



## FLUVANNA COUNTY BOARD OF SUPERVISORS

### REGULAR MEETING AGENDA

Carysbrook Performing Arts Center  
8880 James Madison Hwy, Fork Union, VA 23055

May 18, 2022

Work Session at 5:00pm  
Regular Meeting at 7:00 pm

TAB	AGENDA ITEMS
	<b>A – CALL TO ORDER</b>
	<b>B – PLEDGE OF ALLEGIANCE AND MOMENT OF SILENCE</b>
	<b>C – FLUVANNA PUBLIC UTILITIES PLANNING WORK SESSION</b>
	<b>D – CLOSED MEETING AND DINNER RECESS</b>
	<b>RECESS – DINNER BREAK</b>
	<b>RECONVENE @ 7:00pm</b>
TAB	AGENDA ITEMS
	<b>1 - CALL TO ORDER</b>
	<b>2 - PLEDGE OF ALLEGIANCE AND MOMENT OF SILENCE</b>
	<b>3 – ADOPTION OF AGENDA</b>
	<b>4 – COUNTY ADMINISTRATOR’S REPORT</b>
	<b>5 – PUBLIC COMMENTS #1 (5 minutes each)</b>
	<b>6 – PUBLIC HEARING</b>
A	VDOT Secondary Six Year Plan— Scott Thornton, VDOT Residency Administrator
B	ZMP 22:01 Fluvanna County Board of Supervisors – Douglas Miles, Community Development Director
	<b>7 – ACTION MATTERS</b>
C	Naming of the County-Owned Business Park in Fork Union – Jennifer Schmack, Director of Economic Development
D	Village of Palmyra Sign – Aaron Spitzer, Director of Parks and Recreation
	<b>7A – APPOINTMENTS</b>
E	Board, Commission, and Committee Appointments – Eric Dahl, County Administrator
	<b>8 – PRESENTATIONS (normally not to exceed 10 minutes each)</b>
	<b>9 – CONSENT AGENDA</b>
F	Minutes of May 4, 2022 – Caitlin Solis, Clerk to the Board
G	Union Mills Agricultural/Forestral District Review and Renewal – Jason Overstreet, Senior Planner
H	Accounts Payable Report for April 2022 – Tori Melton, Management Analyst
	<b>10 – UNFINISHED BUSINESS</b>

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TBD

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**11 – NEW BUSINESS**

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TBD

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**12 – PUBLIC COMMENTS #2 (5 minutes each)**

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**13 – CLOSED MEETING**

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TBD

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**14 – ADJOURN**

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County Administrator Review

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*For the Hearing-Impaired – Listening device available in the Board of Supervisors Room upon request. TTY access number is 711 to make arrangements.  
For Persons with Disabilities – If you have special needs, please contact the County Administrator’s Office at 591-1910.*



## **PLEDGE OF ALLEGIANCE**

I pledge allegiance, to the flag,  
of the United States of America,  
and to the Republic for which it stands,  
one nation, under God, indivisible,  
with liberty and justice for all.

## **GENERAL RULES OF ORDER**

1. It shall be the duty of the Chairman to maintain order and decorum at meetings. The Chairman shall speak to points of order in preference to all other members.
2. In maintaining decorum and propriety of conduct, the Chairman shall not be challenged and no debate shall be allowed until after the Chairman declares that order has been restored. In the event the Board wishes to debate the matter of the disorder or the bringing of order; the regular business may be suspended by vote of the Board to discuss the matter.
3. No member or citizen shall be allowed to use defamatory or abusive language directed at any member of the Board or other person, to create excessive noise, or in any way incite persons to use such tactics. The Chair shall be the judge of such breaches, however, the Board may by majority vote of the Board members present and voting to overrule the judgment of the Chair.
4. When a person engages in such breaches, the Chairman shall order the person's removal from the building, or may order the person to stand silent, or may, if necessary, order the person removed from the County property.

## **RULES OF PROCEDURE FOR PUBLIC HEARINGS**

1. PURPOSE
  - The purpose of a public hearing is to receive testimony from the public on certain resolutions, ordinances or amendments prior to taking action.
  - A hearing is not a dialogue or debate. Its express purpose is to receive additional facts, comments and opinion on subject items.
2. SPEAKERS
  - Speakers should approach the lectern so they may be visible and audible to the Board.
  - Each speaker should clearly state his/her name and address.
  - All comments should be directed to the Board.
  - All questions should be directed to the Chairman. Members of the Board are not expected to respond to questions, and response to questions shall be made at the Chairman's discretion.
  - Speakers are encouraged to contact staff regarding unresolved concerns or to receive additional information.
  - Speakers with questions are encouraged to call County staff prior to the public hearing.
  - Speakers should be brief and avoid repetition of previously presented comments.
3. ACTION
  - At the conclusion of the public hearing on each item, the Chairman will close the public hearing.
  - The Board will proceed with its deliberation and will act on or formally postpone action on such item prior to proceeding to other agenda items.
  - Further public comment after the public hearing has been closed generally will not be permitted.

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# **Fluvanna Public Utilities Planning Work Session Documents**





# Utility Master Plan

## Fluvanna County, Virginia

Dewberry Project No.: 50112292

April 2022



PREPARED BY:

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## Chapter 1. Executive Summary

### 1.1 Purpose and Scope

The purpose of this Utility Master Plan (UMP) is to provide the Fluvanna County (County) and its Public Works Department (PWD) with a roadmap for its planning of improvements, upgrades, extensions, and expansions to meet future needs while maintaining cost-effective water and wastewater service to a growing number of County customers. Note that this document is meant for planning purposes only. All demand projections and future projects are based on data available at the time of writing and are subject to change as the County experiences development over the next several decades. The County is not committed to any suggestions provided in this UMP, as all suggestions are subject to change based on actual development. This UMP should be considered a “living document,” subject to change as the planning period advances.

This UMP provides a comprehensive evaluation of the County’s water and wastewater systems within the Zion Crossroads (ZXR), Fork Union Sanitary District (FUSD), and Palmyra Service Areas and identifies the recommended improvements and upgrades projected to be required through the Year 2045. This UMP is based on the best information available and serves primarily as a planning-level roadmap for the County for water and wastewater improvements.

The development of this UMP incorporates the following steps:

1. Collect and review available information on the County’s existing water and wastewater systems.
2. Conduct workshops with representatives from Public Works, Administration, and Planning Departments to gather information and develop concurrence regarding the methodologies used to develop the UMP.
3. Obtain information from Fluvanna County on proposed land use, targeted growth areas, and future population predictions.
4. Develop demand projections through 2045 and distribute the demand projections throughout the ZXR and FUSD Service Areas in areas projected to be developed during several future time steps. Note that data from the calendar year 2019 (January 2019 to December 2019) is used as the baseline year for demand projections, since this time frame is the most recent year that a full set of data is available at the time the population demand projections were developed.
5. Model the water and wastewater systems to identify Capital Improvement Projects (CIPs) needed to accommodate the projected growth within the County.
6. Develop the UMP to summarize project activities, provide costs, recommendations for CIPs, and Renewal and Replacement throughout the planning period.

### 1.2 Existing Water System

Fluvanna County owns and operates several water systems within the County. The largest water system owned by the County serves the FUSD. The County also owns a small water system that serves Pleasant Grove Park and high school in Palmyra.



### 1.2.1 Fork Union Sanitary District Water System

The FUSD water system is owned and operated by Fluvanna County and is supplied by six wells and contains two elevated storage tanks (ESTs). FUSD water system consists of approximately 26 miles of waterlines, ranging in diameter from 4 to 8 inches, and is located within the FUSD Area and Palmyra Area.

As of May 2021, the FUSD water system provided water service to 466 residential and commercial customers as follows:

- Residential customers: 428
- Commercial customers: 38
- Total customers: 466

Water service is provided by the County to meet a daily average demand of approximately 136,000 GPD within the FUSD water system, based on daily consumption data provided by the county. This total does not account for flushing and unmetered water usage within the system.

### 1.2.2 Pleasant Grove Water System

The Pleasant Grove water system is owned and operated by the County and serves Pleasant Grove Park in Palmyra. The system is supplied by a single well and water treatment plant (WTP) and serves all park buildings and fixtures, and the nearby high school.

### 1.2.3 Zion Crossroads Water System

The County recently completed construction of an EST, water booster station, and water main in the ZXR are that will serve as the beginning of a comprehensive water distribution system. Further water main along Richmond Rd. and a pressure reducing valve (PRV) vault are in design.

## 1.3 Existing Wastewater Systems

There is no comprehensive public wastewater service for the ZXR or FUSD Areas, but the County has recently completed construction of a wastewater pump station (WWPS) in the ZXR service area that will form the beginnings of a comprehensive wastewater collection system for ZXR. Several small wastewater treatment plants (WWTPs) serve particular areas in FUSD, such as public schools, but no further system exists. A small public sewer system serves the County government complex in Palmyra and Pleasant Grove Park and consists of gravity sewer, several pump stations, force mains and a WWTP.

## 1.4 Future Demand Projections

Future demand projections in Fluvanna County are evaluated to predict water and wastewater demands and identify system improvements required to meet future needs. Recommended improvements within the planning period (2020-2040) are identified based on land use phasing and the development and geographic distribution of demand projections throughout the ZXR Service Area and FUSD Service Area. These projections are developed utilizing methodologies consistent with the provisions of Fluvanna County's 2040 Comprehensive Plan, Capital Impacts

Study, and input from the County's Public Works, Administration, Economic Development, and Planning Departments.

The proposed projects identified in this UMP are based on these projections and will be periodically adjusted based on actual growth patterns within the ZXR and FUSD service areas. This is particularly true of any project planned for more than 3 years in the future.

## 1.5 System Modeling

Water and wastewater system digital hydraulic models were developed for all of Fluvanna's existing and future public utility systems in order to evaluate system conditions throughout the planning period and to identify improvements required to meet future needs. Bentley WaterGEMS CONNECT Edition is used to model the water systems and Bentley SewerGEMS CONNECT Edition is used to model the wastewater systems.

For water systems, fire flow is applied to the demands to determine storage and flow requirements. For wastewater systems, the Harmon Population Equation is used to generate peak flow multipliers within the model to simulate a peak-hour flow event.

## 1.6 Water System Improvements

A water system analysis, conducted for each water system, evaluates future improvements required for projected future growth through the end of the planning period in 2040.

The water system improvements program involves improvements to the water supply, water storage, and water distribution infrastructure needed to ensure adequate supply and pressures throughout the planning period. The County will construct major infrastructure projects required to provide adequate water supply to a broad geographic area while the private sector constructs waterlines required to provide water service to a site-specific area. Both the Virginia Department of Health (VDH) and County requirements are considered in the development of this plan.

### 1.6.1 Future Demand Projections

The evaluation of the planning period from 2020 to 2040 indicates, the projected demand exceeds the County's current water supply and will not be sufficient to meet future demands through the end of the planning period. Water supply improvements are necessary to account for these future demands and will be satisfied by the construction of the James River Raw Waterline, which will supply raw water to all service areas.

### 1.6.2 Future Water Supply and Storage

The County has an agreement with Louisa County to provide up to a maximum day capacity of 0.4 MGD, and an agreement with the Virginia Department of Corrections (DOC) to provide up to a maximum day capacity of 0.075 MGD. The agreement with Louisa County may be increased to a higher flow tier to provide a maximum day capacity of 2.0 MGD. For future water demand, the James River Raw Waterline (JRWL) will be the primary source of raw water for Fluvanna County. Treatment facilities will need to be upgraded or new facilities constructed to treat the raw water from the JRWL. Under Special Use Permit (SUP) 21-03 a WTP is planned to provide water in a 1.5-mile radius around the Dominion Bremono Power Station. Existing wells will not be necessary

to provide water once the JRWA and WTPs are online; however, they may remain operational to provide additional flow in emergencies.

Additional water storage is required to meet peak daily demands (equalization storage) as well as fire flow requirements (fire flow storage). New ground and ESTs will be required to supply this flow. Refer to **Chapter 6** for a complete list of recommended CIP projects.

## 1.7 Wastewater System Improvements

Wastewater system hydraulic models evaluate the improvements needed for the existing system, and future improvements required for future growth through the end of the planning period in 2040.

The wastewater improvement program involves improvements including upgrades, expansions and extensions to treatment capacity, pump stations, force mains, and gravity interceptor pipes. The County will construct major infrastructure projects required to provide adequate wastewater collection to a broad geographic area while private developers will construct smaller scale infrastructure to support development. Both the VDH and County requirements are considered in the development of this plan.

### 1.7.1 Future Demand Projections

Evaluation of future development conditions in Fluvanna County identifies wastewater system improvements required to meet future needs associated with the projected growth of population and development within ZXR, FUSD, and Palmyra. These future development regions and timeframes were established during workshops held with Fluvanna County staff, to determine where and when these new developments would require wastewater service.

### 1.7.2 Nutrient Allocation Evaluation

The County WWTPs' current and projected nutrient allocations are evaluated to determine the ability of the plants to accept additional future flows. Based on the required offsets calculated, the County may need to implement a reclaimed water distribution system and/or obtain additional nutrient allocation credits from alternate sources in order to expand past the current permitted discharges. See **Chapter 4** for further discussion of nutrient allocation requirements.

### 1.7.3 Wastewater Collection and Treatment

Based on the anticipated developments outlined by the County, several Capital Improvement Program (CIP) projects are identified for each region of the wastewater systems. Throughout the planning period, the system average daily demand (ADD) increases significantly, requiring a major addition to the existing wastewater system infrastructure, including the construction of a WWPSs, force mains, trunk gravity sewer lines, and upgrades to WWTPs. Refer to **Chapter 7** for a complete list of recommended CIP projects.

## 1.8 Implementation

The capital improvement plan envisioned for the County, especially in the northern area (ZXR) is larger than projects undertaken by the County in the past. As the County prepares to grow to the extents projected in this UMP, there could be several implementation challenges with various

natures including political, economic and environmental. It is important to use this report as a “living document” and coordinate the needs of the actual growth with the availability of resources and demands at various stages of the development plan.

- The implementation plan establishes the timing by phase and cost associated with each water and wastewater improvement project needed to meet projected growth during the planning period and improve existing system deficiencies. Descriptions of the proposed water and wastewater system improvements, organized by phase, are provided in Chapters 6 and 7. The description lists the requirements for the improvement and the timing of the improvement. The estimated planning phases indicate the order of when future projects will be required based on the future demand projections. The precise timing of the construction of projects will be growth dependent and based on actual rate of development within the County and available funding.

Table 1-1, Table 1-2, and Table 1-3 provide a summary of the anticipated approximate costs of CIP projects divided by service area. Table 8-4 and Table 8-5 in **Chapter 8** outline the projected water and wastewater system improvements by service area, summarizing the following information:

- Name of system improvement.
- Budgetary cost estimate in 2022 dollars.
- Year of project completion and planning period in which the project is estimated to be needed based on demand estimates. The recommended projects included in this plan are conceptual and are for high-level planning purposes are within 5- and 10-year time frames. When the County is ready to proceed with a specific project, it is recommended that a Preliminary Engineering Report (PER) be completed to evaluate the project in detail and to provide more refined budget cost estimates. The PER will also be required to obtain state regulatory approvals. It should be noted that the planning, permitting, engineering and construction for projects can often take at least 3 to 5 years (actual timeframe dependent on project complexity); therefore, adequate time should be planned for the completion of projects.

All costs presented in this report are for planning purposes only. The County is by no means obligated to the dollar amounts presented. These costs are provided for budgetary and planning purposes only and should be expected to change due to market volatility and shifting project timelines. Actual construction costs should be determined at the time of design and construction of each project. Budgetary costs presented below include engineering, land acquisition, and construction cost.

Table 1-1: Countywide CIP Costs

CIP Project Type	Fiscal Year		
	2022 - 2030	2030 - 2035	2035 - 2045
Water	\$30,876,000	\$8,886,000	\$85,786,000
Wastewater	\$56,772,000	\$42,500,000	\$21,693,000
<b>Grand Total</b>	<b>\$87,648,000</b>	<b>\$51,386,000</b>	<b>\$107,479,000</b>

Table 1-2: FUSD/Palmyra CIP Costs

CIP Project Type	Fiscal Year		
	2022 - 2030	2030 - 2035	2035 - 2045
Water	\$20,310,000	\$8,480,000	\$3,240,000
Wastewater	\$35,241,000	\$0	\$0
<b>Grand Total</b>	<b>\$55,551,000</b>	<b>\$8,480,000</b>	<b>\$3,240,000</b>

Table 1-3: Zion Crossroads CIP Costs

CIP Project Type	Fiscal Year		
	2022 - 2030	2030 - 2035	2035 - 2045
Water	\$10,566,000	\$406,000	\$82,546,000
Wastewater	\$21,531,000	\$42,500,000	\$21,693,000
<b>Grand Total</b>	<b>\$32,097,000</b>	<b>\$42,906,000</b>	<b>\$104,239,000</b>

## 1.9 Summary of Recommendations

- Focus short-term water supply goal on rehabilitation and maximizing the available capacity in the County wells while JRWL process is ongoing (See **Section 4.3.1.1.2**).
- Focus mid-term water supply goal of replacing well-based FUSD system with raw waterline and WTP system serving existing FUSD users and those user areas identified in that 1.5 mile radius around the Bremono Power Station as specifically identified in SUP 21-03; and use existing wells to create emergency supply (See **Section 4.3.1.1**).
- Construct County Owned WTPs in FUSD and Zion Crossroads (See **Section 4.3.1**).
- Develop a PER for the initial DOC WWTP expansion (See **Section 4.3.2.2.1**).
- Add projects identified in the CIP to the County's CIP (See **Chapter 6 and 7**).
- Conduct a PER prior to design for each recommended project.



## Chapter 2. Introduction

This chapter of the UMP provides an introduction and summary of the work performed to complete this UMP.

### 2.1 Purpose

The Fluvanna County PWD provides water and wastewater service to a growing number of water and wastewater customers. Cost efficient, environmentally sound water and wastewater service is a major contributor to the County's quality of life. To ensure a continued high quality of service, while keeping pace with the challenges of a growing community, the County has developed this UMP. The purpose of the UMP is to assist the County with its planning for improvements, upgrades, extensions, and expansions that are required to meet future needs. The UMP addresses the phasing of improvements and upgrades required through the Year 2040.

This UMP is based on the best information available at this time. The UMP serves as a roadmap for the County's PWD. It will need to be updated based on actual development in the County and in response to changes that the County makes to its Comprehensive Plan in the future.

### 2.2 Scope

Preparation of the UMP involves extensive coordination with the Fluvanna County PWD to incorporate available information into the UMP, the information includes existing water and wastewater systems records, design information for planned projects, and methodologies for demand projections and system modeling.

The approach for development of the UMP incorporates the following steps:

1. Collect and review available information on the County's existing water and wastewater systems.
2. Obtain information from Fluvanna County on proposed land use, targeted growth areas, and population projections through the planning period.
3. Develop demand projections through 2040 and distribute the demand projections throughout the ZXR, FUSD, and Palmyra Service Areas in areas projected to be developed during several future time steps. Note that data from January 2019 to December 2019 is used as the baseline year for demand projections, since this time frame is the latest year that complete data is available at the time the population demand projections are developed.
4. Model the water and wastewater systems to identify CIPs that will address existing system deficiencies as well as growth within the County.

Develop the UMP to summarize project activities, provide costs, and recommendations for CIPs throughout the planning period.

Projects that are identified as improvements and upgrades to the County's existing water and wastewater systems are summarized in **Chapter 6** and **Chapter 7**. The implementation plan for

these improvements, outlining cost estimates and implementation schedules for each individual project, is included in **Chapter 8**.

DRAFT

## Chapter 3. Existing System

This chapter of the UMP provides an overview of Fluvanna County's existing water and wastewater systems.

### 3.1 Existing Water System Overview

In this report, the water systems are addressed by their locations within Fluvanna County. These water systems are ZXR, FUSD, and Palmyra.

The ZXR area is on a private well system and are not managed by the County, but the County has recently completed construction of an EST, booster pump station (BPS), and water main in the ZXR service area that will form the beginning of a comprehensive water system for that area. The FUSD, Carysbrook and Palmyra water systems are owned and operated by the County. There is also a large private water system that serves the Lake Monticello community. More detailed information on the existing County's waterlines, water treatment/supply facilities, storage facilities, and pumping facilities are provided in the following sections for each water system.

Demand data given in this chapter for the calendar year of 2019 is based upon well production data from each water system and accounts for flushing and unmetered water usage within the systems as discussed in Section 4.2.1.

#### 3.1.1 Fork Union Sanitary District Water System

The FUSD is located along James Madison Highway corridor and includes parts of Carysbrook, Dixie, Holmhead, Fork Union, Cohasset, Weber City and Bremono Bluff. The system primarily serves residential with some commercial and industrial users. As of May 2021, the FUSD water system provided water service to 466 residential and commercial customers as follows:

- Residential customers: 428
- Commercial customers: 38
- Total customers: 466

Raw water for the FUSD system is supplied through various wells throughout the system, as listed in Table 3-1. Based upon the current data received from the County, the water supply facilities provide for a combined ADD of approximately 136,000 gallons per day (GPD). This total does not account for flushing and unmetered water usage within the system. The yield of each well per month in the system in 2019 is shown in Figure 3-1.

The system consists of approximately 23.7 miles of waterline inside the FUSD boundary ranging from 4" to 8", and an additional 2.5 miles of 6" waterline extending outside the FUSD boundary. FUSD and Carysbrook are connected through a 6" PVC pipeline. Most pipeline within the system was installed from 1969 through 1982 and is primarily PVC pipe. There are six (6) operating well facilities, which provide water supply to the system, two ESTs, two WTPs (WTPs), and six (6) well pump stations. The system operates under one pressure zone with the maximum design flow of 295,000 GPD (Table 3-3). The existing FUSD water infrastructure is shown in Figure 3-3.



Table 3-1: Well Sites in the FUSD Water System (2019)

Well Site	Average Monthly Usage (Gallons)	Average Daily Demand (GPM)
West Bottom	130,000	4,300
Carysbrook*	-	-
Owens	230,000	7,600
Bremo	310,000	10,300
Melton (Emergency Use Only)	50,000	1,600
Morris	2,370,000	77,900
Omohundro	1,480,000	48,700
<b>Total</b>	<b>4,570,000</b>	<b>135,759</b>

\*Carysbrook well currently offline

Table 3-2: Tanks in the FUSD Water System

Tank	Capacity (Gallons)	Tank Type	Overflow Elevation/HGL Setpoint (ft)
Weber City Storage Tank	200,000	Elevated	584
Omohundro Storage Tank	150,000	Elevated	584

Table 3-3: Pumps in the FUSD Water System

Pump	Design Flow (GPM/GPD)	Design Head (ft)	Controlling Tank
West Bottom	15/21,600	175	Omohundro Storage Tank
Carysbrook	75/108,000	300	Omohundro Storage Tank
Owens	15/21,600	150	Omohundro Storage Tank
Bremo	30/43,200	120	Omohundro Storage Tank
Morris	35/50,400	200	Omohundro Storage Tank
Omohundro	35/50,400	150	Omohundro Storage Tank
<b>Total</b>	<b>205/295,200</b>	-	-

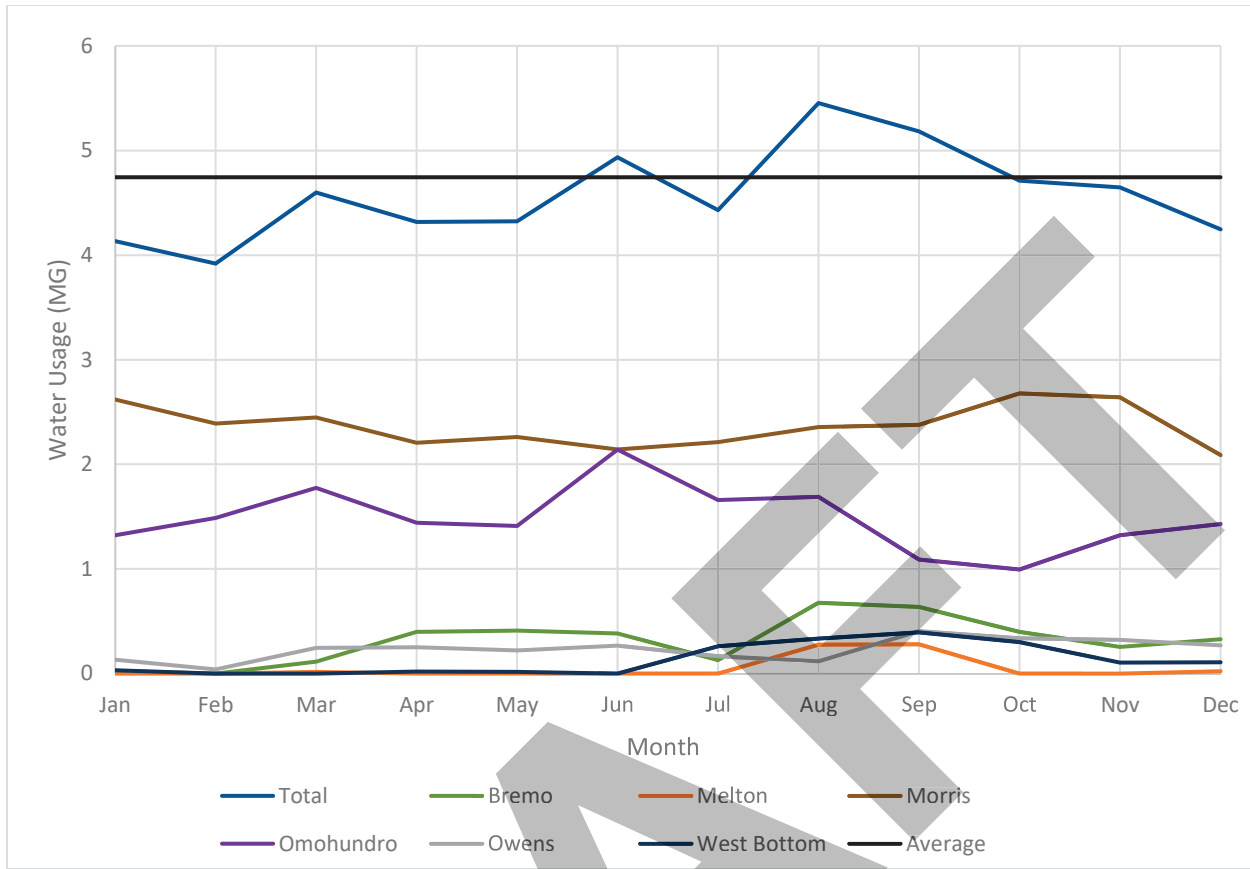


Figure 3-1: FUSD Water Usage (2019)

### 3.1.2 Pleasant Grove Water System

The Pleasant Grove water system operates with one well and pumping station and serves Pleasant Grove Park in Palmyra. This system consists of approximately 7.3 miles of waterline, and primarily consists of 8-inch diameter pipe. The Pleasant Grove water system is not connected to the FUSD water system.

Table 3-4: Well Sites in the Palmyra Water System

Well Site	Monthly Usage (Gallons)	Average Daily Demand (GPM)
Palmyra	1,450,000	50,000

### 3.1.3 Zion Crossroads Water System

A very limited County-owned water distribution system exists within the ZXR area, with a recently constructed 0.5 MG EST and BPS forming the beginnings of a more comprehensive ZXR water system. The EST is located near the intersection of Richmond Road and James Madison Highway. The only WTP in the ZXR area is owned by the DOC is on the site of the Fluvanna Correctional Center for Women. A 12" waterline runs from the EST along Richmond Rd. to the DOC WTP. Another 12" waterline runs south from the tank along James Madison Hwy. Additional

waterline along Richmond Rd. is currently in design, as well as a pressure reducing valve vault at the BPS. The existing ZXR water distribution infrastructure is shown in Figure 3-4.

## 3.2 Existing Wastewater Overview

Within Fluvanna County, there are several WWTPs that serve various regions of the county. Each of the following WWTPs operate independently and serve separate areas/facilities. Fluvanna County Public Schools owns, and the County operates and maintains the Carysbrook WWTP located in Carysbrook, near the bus depot, the Central WWTP located near Fluvanna Middle School. The County owns and operates the Palmyra WWTP located in Palmyra. The Fork Union Military Academy (FUMA) WWTP is located in FUSD and is privately owned and operated by FUMA. The Carysbrook Holdings, LLC WWTP is privately owned and is located in Carysbrook. DOC owns and operates the DOC WWTP, located in the ZXR area.

### 3.2.1 FUSD/Palmyra Area Wastewater System

The FUSD/Palmyra wastewater system is located along the James Madison Highway corridor and includes the Palmyra WWTP, Carysbrook WWTP, Central WWTP, FUMA WWTP (located at FUMA), and Carysbrook Holdings, LLC WWTP (located at tax map #42A14). These systems serve residential, commercial and educational users and are supported by three (3) County-owned sewer pump stations and two (2) privately owned sewer pump station that collect and convey sewage to one of the treatment plants within the region. Table 3-5 shows the average daily loads of the existing sewer systems. Figure 3-2 shows the flows through each of the FUSD/Palmyra WWTPs throughout the calendar year 2019. Note that the privately owned WWTPs are not displayed as detailed flow data was not provided. The existing FUSD and Palmyra wastewater infrastructure is shown in Figure 3-5.

*Table 3-5: FUSD/Palmyra Wastewater Systems Calculated Average Daily Loads (2019)*

Wastewater System	System Average Daily Load (GPD)
Palmyra System	12,800
Central	8,000
Carysbrook	2,200
Fork Union Military Academy	23,000
Carysbrook Holdings, LLC	2,400

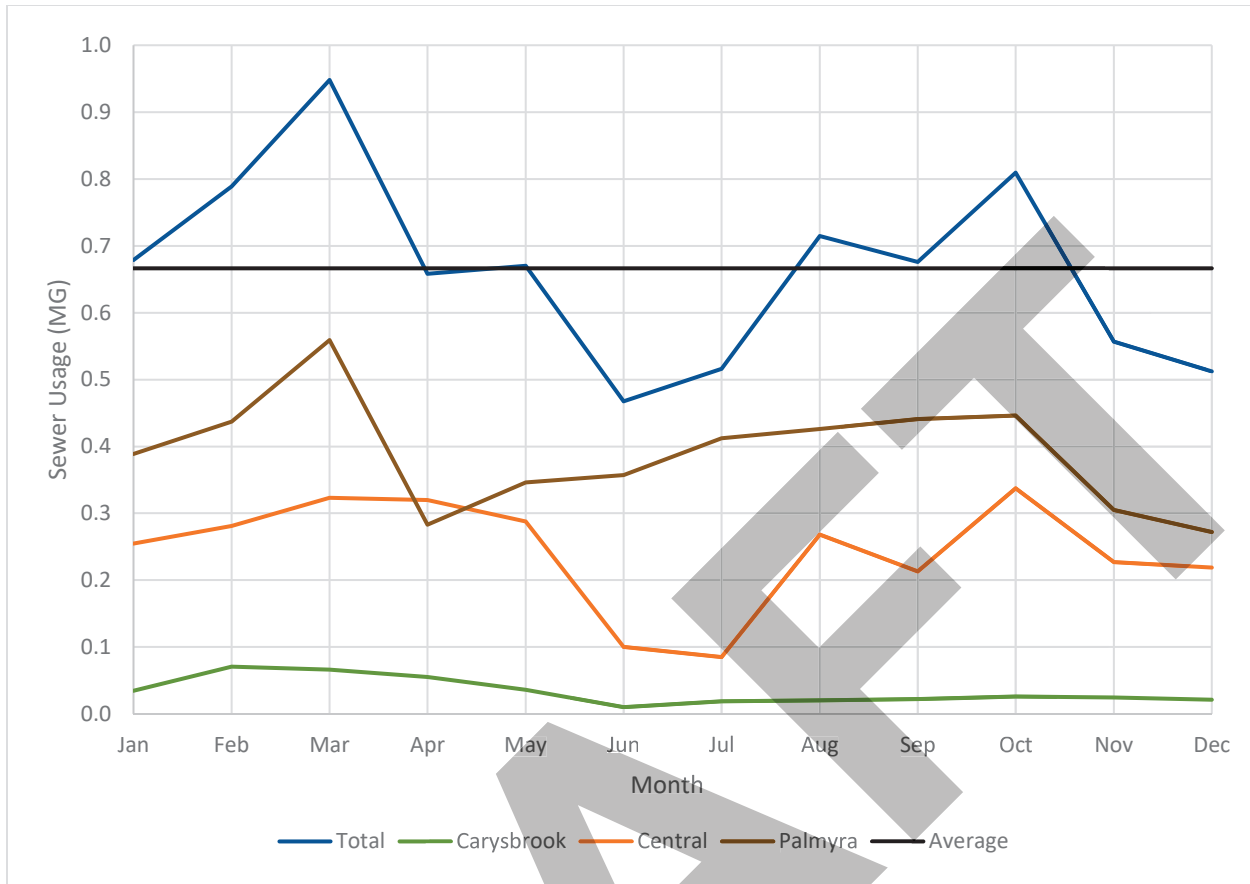
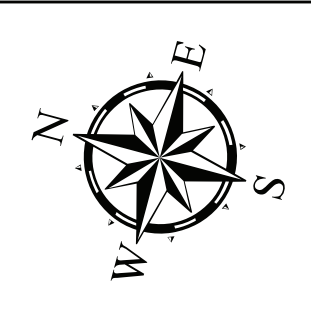
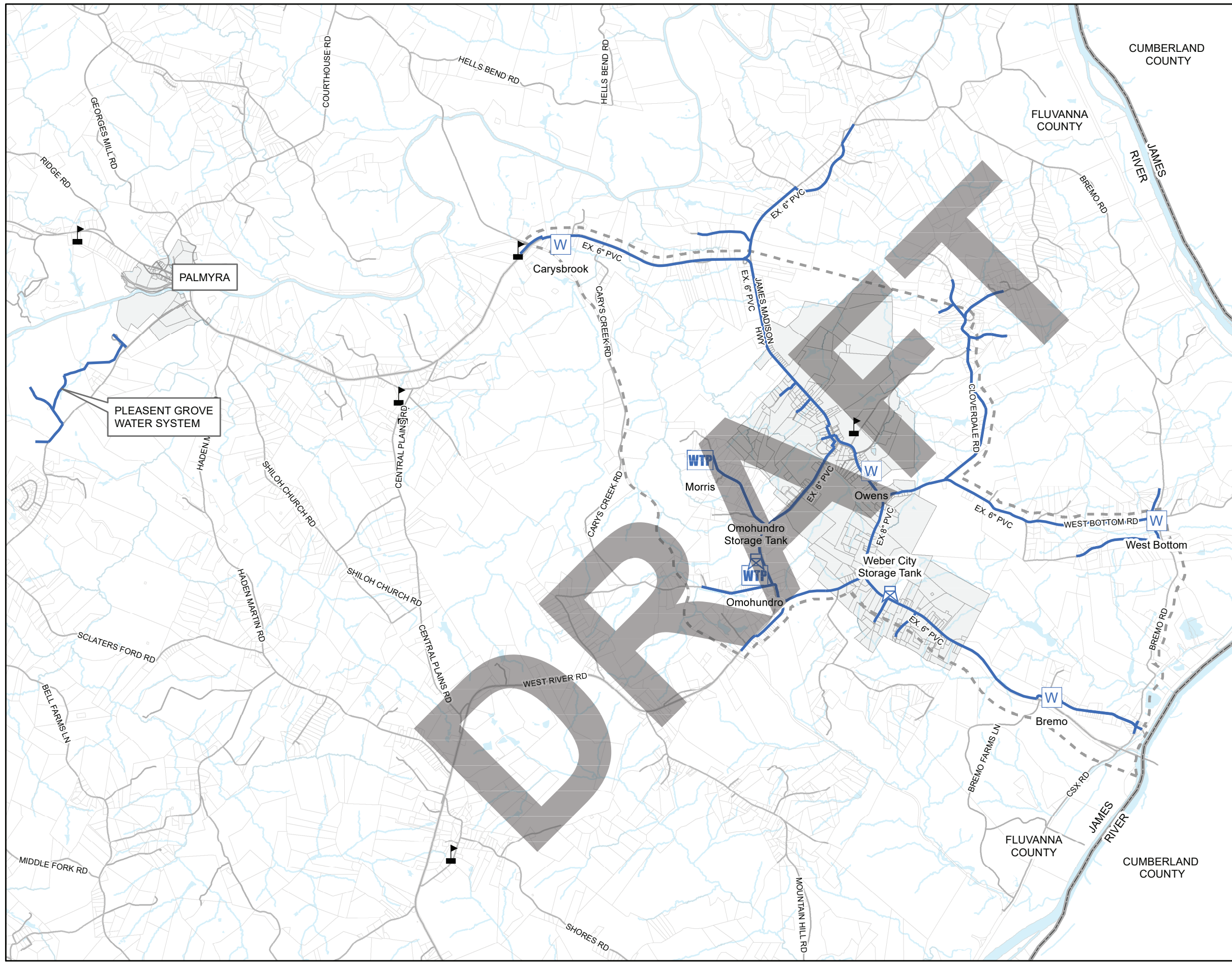


Figure 3-2: FUSD Sewer Usage (2019)











### 3.2.2 Zion Crossroads Wastewater System

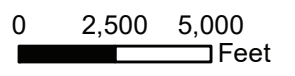
A comprehensive wastewater conveyance and treatment system does not exist for the ZXR area of Fluvanna County. DOC owns and operates the only WWTP in the ZXR area. The plant was constructed in the mid-1990s. The DOC WWTP is on the site of the Fluvanna Correctional Center for Women. There is an existing pump station on-site that pumps flow into the DOC WWTP. Fluvanna County recently constructed a County-owned WWPS on James Madison Highway to convey sewer flow to the DOC WWTP. Fluvanna County has an agreement with the DOC to treat 100,000 gallons of wastewater per day. The existing ZXR wastewater infrastructure is shown in Figure 3-6.



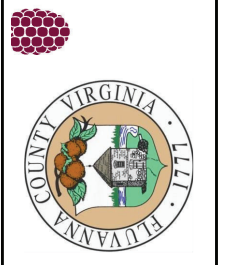


### Legend

-  Existing Water Line
-  Existing Well
-  Existing Water Treatment Plant
-  Existing Elevated Tank
-  School
-  FUSD Boundary
-  County Boundary
-  Community Planning Area
-  Roads
-  Waterbody



**Dewberry**  
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 4805 LAKE BROOK DRIVE, SUITE 200  
 GLEN ALLEN, VIRGINIA 23060  
 PHONE: 804.290.7957  
 FAX: 804.290.7926



<b>FIGURE NO.</b>	<b>3-3</b>	<b>DATE</b>	APR 2022	<b>SCALE</b>	1 in = 5,000 feet
				<b>TITLE</b>	EXISTING FUSD/PALMYRA WATER INFRASTRUCTURE
				<b>PROJECT</b>	UTILITY MASTER PLAN FLUVANNA COUNTY, VA
		<b>PROJ. NO.</b>	50112292		





TITLE EXISTING ZION CROSSROADS WATER INFRASTRUCTURE

UTILITY MASTER PLAN  
FLUVANNA COUNTY, VA

SCALE 1 in = 2,000 feet

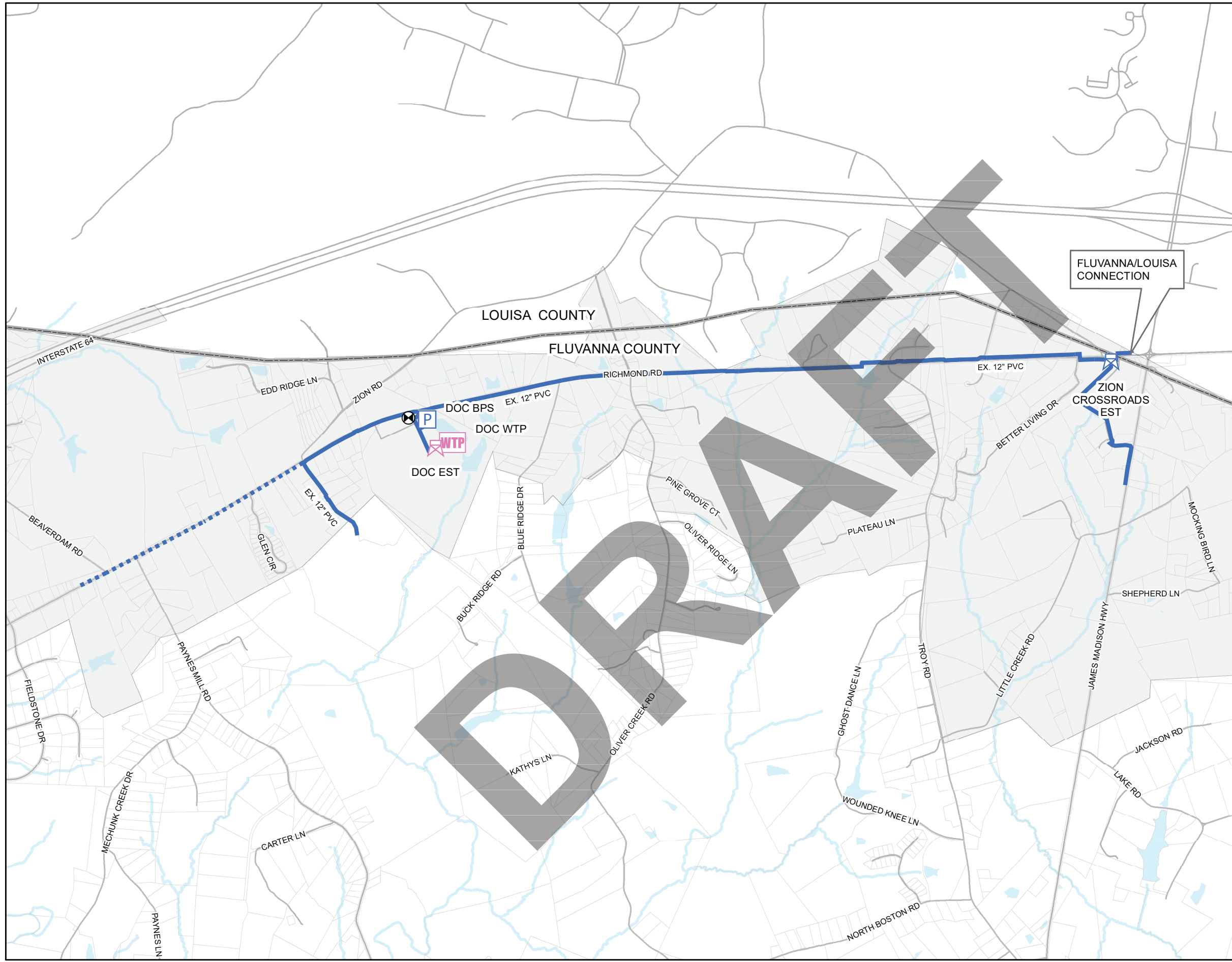
PROJECT

DATE APR 2022













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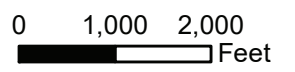
FIGURE NO.

**3-4**



**Legend**

-  Existing Booster Pump Station
-  Existing Elevated Tank
-  PRV
-  Existing Waterline
-  In Design Waterline
-  Private Water Treatment Plant
-  Private Elevated Tank
-  County Boundary
-  Community Planning Area
-  Parcel Boundary
-  Roads
-  Streams







TITLE EXISTING FUSD/PALMYRA  
WASTEWATER INFRASTRUCTURE

PROJECT UTILITY MASTER PLAN  
FLUVANNA COUNTY, VA

SCALE 1 inch = 5,000 feet

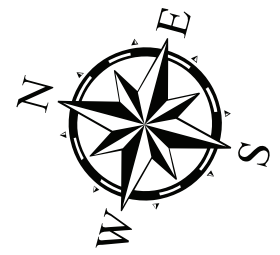
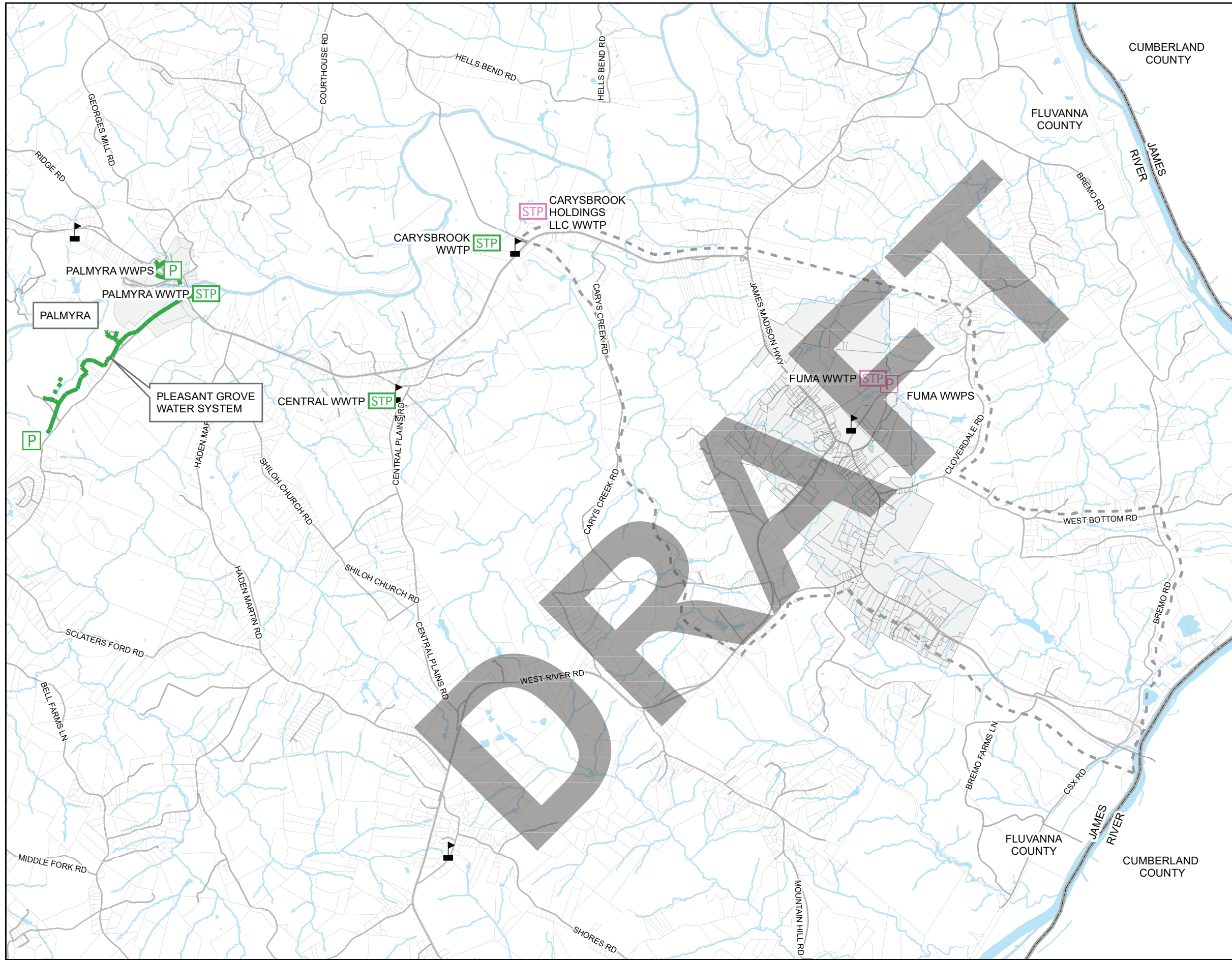
PROJECT

DATE APR 2022

PROJ. NO. 50112292

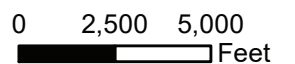
FIGURE NO.

**3-5**



**Legend**

- Existing Sewer Treatment Plant
- Existing Pump Station
- Existing Gravity Sewer
- Existing Force Main
- Private Sewer Treatment Plant
- Private Pump Station
- School
- FUSD Boundary
- County Boundary
- Community Planning Area
- Roads
- Waterbody







TITLE EXISTING ZION CROSSROADS  
WASTEWATER INFRASTRUCTURE

UTILITY MASTER PLAN  
FLUVANNA COUNTY, VA

SCALE 1 inch = 2,000 feet

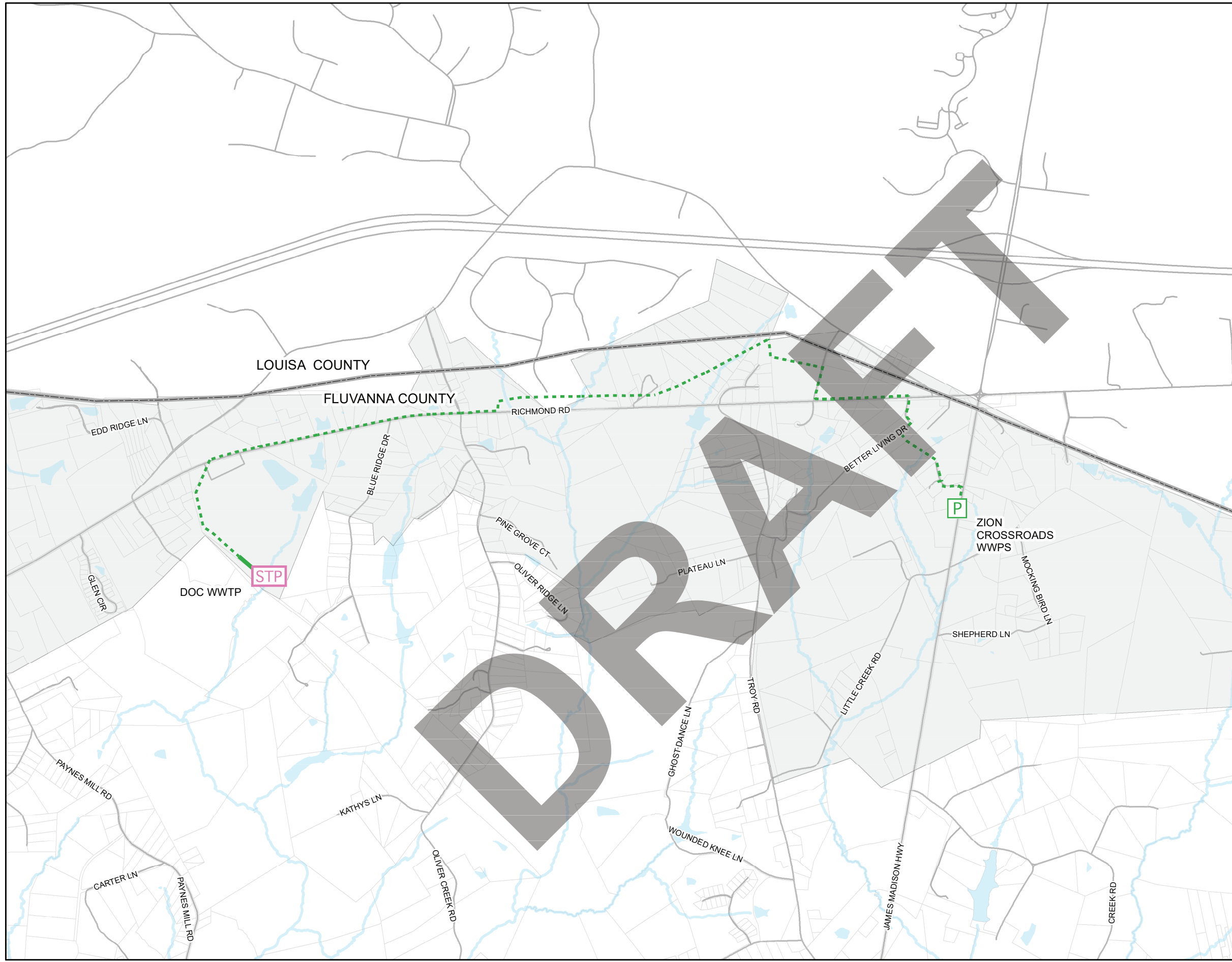
PROJECT

DATE APR 2022

PROJ. NO. 50112292

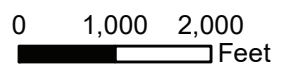
FIGURE NO.

**3-6**



**Legend**

- Existing Pump Station
- Existing Force Main
- Existing Gravity Sewer
- Private Wastewater Treatment Plant
- Zion Crossroads Sewersheds
- County Boundary
- Community Planning Area
- Parcel Boundary
- Roads
- Waterbody





## **Chapter 4. Existing Demand and Future Demand Projections**

Future planned growth in Fluvanna County is evaluated and future demand projections developed to identify water and wastewater system improvements required to meet future needs associated with the projected growth within the ZXR, Fork Union, and Palmyra CPAs.

This UMP addresses future conditions and identifies required water and wastewater system improvements based on the development and geographic distribution of population, and demand projections within the growth areas for the planning period of 2020 through 2040. Note that data from January 2019 to December 2019 is used as the baseline year for demand projections for year 2020, since this time frame is the most recent full data set available at the time the population demand projections are developed. Anticipated demands for developments with plan approval are incorporated into the existing system demands.

Proposed projects are based on future demand projections. The timing of projects will need to be adjusted based on actual growth patterns within the growth areas. This is particularly true of projects more than 3 years in the future.

### **4.1 Existing Conditions**

In order to develop future demand projections, it is important to understand existing water demands, usage, and patterns. Baseline demands are estimated based on water meter data from the existing water customers including residents and commercial/industrial developments. Additional sources of system demand include manual flushing (which is conducted by the County periodically to improve water quality at dead end lines), line breaks, and tank maintenance.

#### **4.1.1 Existing Water Demands**

The estimated usage from metered connections and flushing is compared with water production and supply meter data to determine the amount of non-revenue water (NRW). NRW is the difference between net production and consumption. Sources of NRW include unrecorded flushing activities, water leakage in aging pipes, loose connections, aging meters, unmetered connections, line breaks, tank maintenance, and fire flows. The water model is developed to reflect the production data supplied by the County. Demand projections were created based on the production data, so NRW is not accounted for in the model.

Within Fluvanna County there is one large, private, central water system and several smaller systems. The largest water system serves the Lake Monticello community, where over 40 percent of Fluvanna's population resides. This private water system is owned by Aqua Virginia and draws from the Rivanna River.

Other systems in the County include the FUSD system, the Central Elementary system, the Pleasant Grove system, and privately-owned systems operating in Palmyra and Columbia. All these systems draw from groundwater wells. The County's other residents draw their water from private sources such as wells or springs. All publicly owned systems are included in this report.

#### *4.1.1.1 Existing Zion Crossroads Water System Demand*

A comprehensive water system serving the ZXR area does not exist therefore, no existing water usage data for the area exists.

#### *4.1.1.2 Existing Fork Union Sanitary District Water System Demand*

The FUSD provides water through twenty-six miles of pipe to roughly 435 customers, including residences, small businesses, Bremono Power Station, the Fork Union Military Academy, Carysbrook, and Fluvanna County Middle School. The District's service area includes Bremono Bluff, Fork Union, Thessalonias, Cloverdale, West Bottom, and portions of Carysbrook. In 2007, FUSD enhanced the storage volume and pressure by replacing two ground-level standpipe storage tanks with two ESTs. Despite these improvements, much of the remaining infrastructure in FUSD is aging.

#### *4.1.1.3 Existing Palmyra Water System Demand*

The County owns wells and a water distribution system that serves Pleasant Grove Park and the nearby high school. This system includes service for all municipal buildings and water fixtures in the park. Fluvanna County also owns a well which serves the Courts buildings with domestic water and fire control service. Another existing water system, owned by Aqua Virginia (formerly held by Sydnor), serves the Fluvanna government complex and surrounding areas in Palmyra.

### **4.1.2 Existing Sewer Loadings**

This section of the UMP evaluates the existing sewer flows of each wastewater system. Existing wastewater flows for the ZXR and Central Fluvanna (FUSD and Palmyra) systems are calculated using existing permits and capacity agreements between the County and the DOC. Based on the "Memorandum Agreement for Treatment of Wastewater" between the County and the DOC (October 2013), the County can discharge up to 100,000 GPD to the DOC's wastewater treatment facility (WWTF).

#### *4.1.2.1 Existing Zion Crossroads Sewer Loadings*

The ZXR area does not have a County-owned wastewater collection and treatment system; therefore, no data is available.

#### *4.1.2.2 Existing FUSD and Palmyra Sewer Loadings*

For the Central Fluvanna region, the existing wastewater demand is calculated from the listed average daily flows (ADF) on the Central Fluvanna WWTFs, including the Carysbrook Wastewater Treatment Plant (WWTP), the Central WWTP, the Fork Union Military Academy (FUMA) WWTP and the Palmyra WWTP. The Palmyra area is grouped with the FUSD system due to the low flows in both systems, geographical closeness, and potential for the systems to be connected in the future. These flows are listed in Table 4-1 below.

*Table 4-1: Existing Central/Southern Wastewater Average Daily Flows*

Wastewater treatment Facility	Average Daily Flow (GPD)
Palmyra Area WWTP	12,800
Carysbrook WWTP	2,200
Central WWTP	8,000
Fork Union Military Academy WWTP	23,000
Carysbrook Holdings, LLC WWTP	2,400
<b>Total</b>	<b>48,400</b>

Based on the existing wastewater discharge permits, the total existing wastewater ADF for the FUSD and Palmyra area, include from the Fork Union Military Academy is around 48,400 GPD.

## 4.2 Future Demand Projections

This section summarizes the future water demands for Fluvanna County over the planning period.

### 4.2.1 Water

Demand projections, based on input from Fluvanna County, are calculated for targeted growth areas based on parcel area, using three (3) levels of growth density, in units of equivalent persons per acre. These densities are listed in Table 4-2 below.

*Table 4-2: Growth Densities*

Density	Equivalent Persons Per Acre
High	15
Medium	10
Low	5

After calculating the total number of persons for each growth parcel, the number of persons is multiplied by the industry standard water usage per capita of 100 GPD per capita. This provided the total usage per parcel, in GPD.

Accounting for the changes in the nature and usage (residential, commercial, industrial) of the future customers in Fluvanna County over time, a dynamic approach is taken when applying growth densities to future buildout periods. For the 2022-30 buildout range, a low growth density is used. For the 2030-35 buildout range, a medium growth density is used. For the 2035-45 buildout range, a high growth density is used.

#### 4.2.1.1 Future Water Demand Projections

The following Tables 4-3, 4-4, 4-5 and 4-6 display the calculated demands projections for the ZXR, FUSD, and Palmyra areas of Fluvanna County as well as a table summarizing demand projections for the entire County. Each table includes the existing demands in the region; low, medium, and high projections; and the final calculated demand for each time step. In addition, in the FUSD projections, a static demand of 1 MGD is added in the 2022-30 timeframe as industrial growth is expected in the area in the near future. Based on the final calculated demands for each time step, the required water storage is calculated.

*Table 4-3: Palmyra CPA Water Demand Projections*

Buildout Range (Years)	Density:			Final Calculated Demand (GPD)	Required Storage (Gal)
	Low	Medium	High		
Existing	50,000	50,000	50,000	50,000	25,000
2022-30	73,711	97,422	121,133	73,711	36,856
2030-35	73,711	97,422	121,133	73,711	36,856
2035-45	73,711	97,422	121,133	73,711	36,856
<b>Total</b>	<b>73,711</b>	<b>97,422</b>	<b>121,133</b>	<b>73,711</b>	<b>36,856</b>

*Table 4-4: FUSD CPA Water Demand Projections*

Buildout Range (Years)	Density:			Final Calculated Demand (GPD)	Required Storage (Gal)
	Low	Medium	High		
Existing	135,759	135,759	135,759	135,759	67,879
2022-30	236,822	337,885	438,948	1,236,822	618,411
2030-35	253,337	370,915	488,493	1,269,852	634,926
2035-45	253,337	370,915	488,493	1,269,852	634,926
<b>Total</b>	<b>253,337</b>	<b>370,915</b>	<b>488,493</b>	<b>1,269,852</b>	<b>634,926</b>

*Table 4-5: Zion Crossroads CPA Water Demand Projections*

Buildout Range (Years)	Density:			Final Calculated Demand (GPD)	Required Storage (Gal)
	Low	Medium	High		
2022-30	187,647	375,294	562,941	187,647	93,823
2030-35	406,149	812,297	1,218,446	624,650	312,325
2035-45	994,629	1,989,258	2,983,888	2,390,092	1,195,046
<b>Total</b>	<b>994,629</b>	<b>1,989,258</b>	<b>2,983,888</b>	<b>2,390,092</b>	<b>1,195,046</b>

Table 4-6: Countywide Water Demand Projections

Buildout Range (Years)	Density:			Final Calculated Demand (GPD)	Required Storage (Gal)
	Low	Medium	High		
Existing	185,759	185,759	185,759	185,759	92,879
2022-30	498,180	810,600	1,123,021	498,180	249,090
2030-35	733,196	1,280,634	1,828,071	968,213	484,106
2035-45	1,321,677	2,457,595	3,593,513	2,733,655	1,366,827
<b>Total</b>	<b>1,321,677</b>	<b>2,457,595</b>	<b>3,593,513</b>	<b>2,733,655</b>	<b>1,366,827</b>

#### 4.2.1.2 Maximum Day Water Demand Calculations

Each water system will need to have enough supply to accommodate a maximum day demand (MDD) scenario. The MDD is calculated independently for the ZXR system and the FUSD/ Palmyra system for each planning period time step. The max day factor (MD factor) is defined as the multiplier applied to the ADD to calculate the MDD. The MD factor is high for smaller systems and decreases over time as more demand is added to the system. This is reflected in Table 4-7 and Table 4-8.

Table 4-7: Fork Union and Palmyra Max Day Water Demand Projections

Buildout Range (Years)	ADD (GPD)	MD Factor	MDD (GPD)
Existing	185,759	2.00	371,517
2022-30	310,533	2.00	621,065
2030-35	343,563	2.00	687,125
2035-45	343,563	2.00	687,125
<b>Total</b>	<b>343,563</b>	<b>2.00</b>	<b>687,125</b>

Table 4-8: Zion Crossroads Max Day Water Demand Projections

Buildout Range (Years)	ADD (GPD)	MD Factor	MDD (GPD)
Existing	0	-	0
2022-30	187,647	2.00	375,294
2030-35	624,650	1.75	1,093,138
2035-45	1,608,594	1.50	3,912,891
<b>Total</b>	<b>1,608,594</b>	<b>1.50</b>	<b>3,912,891</b>

## 4.3 Permitting

This section details the permitting requirements for different options for water supply and wastewater treatment in the various areas of Fluvanna County.

### 4.3.1 Water

Based on the County's existing water supply assets and projected future needs, the County will need to augment their water supply with another potable water source. This section describes the proposed alternative sources of water supply and what permitting will be involved for each supply.

### 4.3.1.1 Fork Union and Palmyra Area

This section provides a summary of the potential water treatment alternatives to serve the FUSD and Palmyra.

#### 4.3.1.1.1 Raw Water Supply

Prior to 2010, Fluvanna County held Virginia Water Protection (VWP) Individual Permit Number 04-0805, which allowed for a maximum water withdrawal of 5.7 million gallons per day (MGD). A letter to the Virginia Department of Environmental Quality (DEQ) titled “Minor Modification for Change in Ownership”, dated January 8, 2010, transferred ownership of this withdrawal allocation to James River Water Authority (JRWA). In September of 2014, the JRWA filed a reissuance application (Joint Permit Application (JPA) Number 14-0343), modifying the original individual permit number 04-0805 by proposing a new surface water intake, pump station, and pipeline just south of Columbia, Fluvanna. This application proposed a maximum withdrawal of 6.6 MGD and nullified the Bremo intake site as a viable withdrawal site.

Timmons Group completed a report titled “James River Water Supply Project Supplemental Information Package” (March 2020) outlining the ultimate design capacity of the James River Water Supply (JRWS) Project as well as the permitted capacity of the project to-date. This project would involve the construction of a surface water withdrawal from the James River near Columbia. The purpose of this project is to provide an additional water supply to the James River Water Authority (JRWA, consisting of Fluvanna and Louisa Counties) to accommodate future growth within Fluvanna and Louisa Counties. The design of the intake will allow for a maximum daily withdrawal of 12 MGD, allocating 6 MGD each for Louisa and Fluvanna Counties. An update to permit number 14-0343 described above (November 2015) revised the maximum allowable daily withdrawal into three (3) tiers, which are listed below in Table 4-9.

*Table 4-9: Maximum Withdrawal Tiers (Minor Modification No. 2)*

Tier	Maximum Daily Withdrawal (MGD)	Maximum Monthly Withdrawal (MG)	Maximum Annual Withdrawal (MG)
1	5.73	117.4	1,024.8
2	7.45	152.7	1,354.2
3	8.39	172.0	1,507.9

These withdrawal tiers are based on the ongoing completion of CIPs throughout Fluvanna and Louisa Counties that will extend service to developing regions of the counties. The JRWA will submit identified CIPs and associated schedules of completion to DEQ in order to justify the next withdrawal tier. Descriptions of the areas being served by each tier are described below:

1. **Tier 1** contains the withdrawal limits to meet the justified demands of the service areas of ZXR and Ferncliff in Louisa County and the Fluvanna ZXR Waterworks System in Fluvanna County and the economic development prospects as identified in the application for both Counties. CIPs were submitted to DEQ for review and approval for tier 1 withdrawals prior to January 1, 2018.
2. **Tier 2** contains the withdrawal limits to meet the justified demands of the service areas identified in Tier 1 and the service areas of Shannon Hill, Town of Louisa, Town of Mineral,



Louisa County Water Authority and Lake Anna in Louisa County. CIPs were submitted to DEQ for review and approval to justify tier 2 withdrawals prior to January 1, 2021.

3. **Tier 3** contains the withdrawal limits to meet the justified demands of the service areas identified in Tier 2 and the service areas of Gum Springs in Louisa County and the Fork Union, Columbia and Palmyra Central Water System in Fluvanna County. CIPs are to be submitted to DEQ for review and approval to justify tier 3 withdrawals prior to January 1, 2023.

The Fork Union and Palmyra regions are all listed under Tier 3 and based on the projected demands within these regions in the County and the County's desire to have a redundant water supply in case of well facility failure (low yield or primary maximum contaminant limits (PMCLs) violations), the County may consider applying for a revision to this permit to incorporate these regions into tier 1.

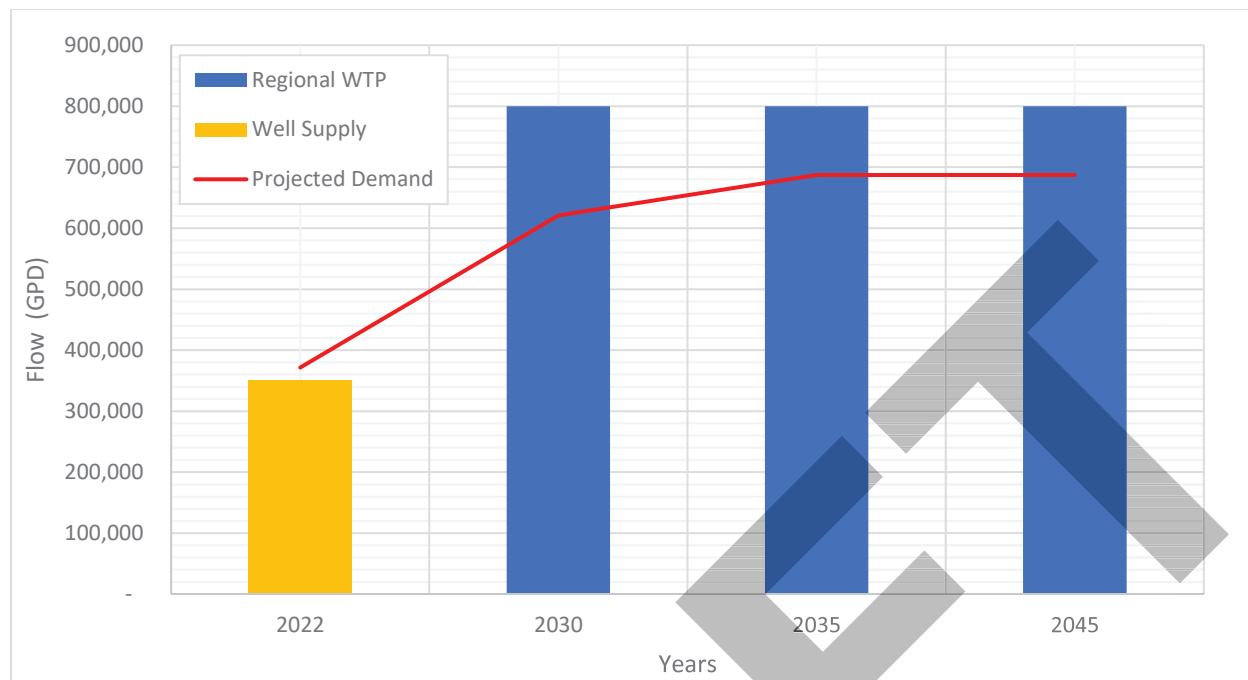
As of July 2021, the permitting process between DEQ, JRWA, the Corps of Engineers (USACE), and the Virginia Department of Historic Resources (DHR) is still ongoing. Prior to the issuance of the construction permit for the JRWS withdrawal project, the County will need to perform a PER, which will identify the location, capacity, and preliminary design of a regional water treatment that will receive raw water from the JRWS project and serve Central Fluvanna as a secondary potable water supply, supplementing their existing well system water supply. Eventually, as DEQ approves larger withdrawals from the JRWS, the WTP can be expanded, allowing for the well facilities to be taken offline. This will reduce the County's risk of being out of compliance with PMCLs and will simplify the operation of the County's central water system.

#### 4.3.1.1.2 Groundwater Supply

Fluvanna's FUSD and Palmyra well systems have a combined capacity of 350,000 GPD. In the past, one of the County's main well facilities, the Carysbrook well, had perchloroethene levels exceeding the PMCL. This well has been offline since 1995, but when it was active, the historical well logs show a yield up to 67,000 GPD. The County has also expressed that they have had gross alpha issues, and that some well facilities may require additional rehabilitation/treatment in order for the County to take advantage of their well system capacity.

Since the County already owns the withdrawal permits for its existing well facilities, the County's short-term water supply goal is recommended to focus on rehabilitating and maximizing the available capacity in their existing well facilities while the JRWS permitting process is still ongoing. A PER will be completed in order to identify the scope of work required to bring all County-owned well facilities online and fully operational, as well as the associated costs for this work.

In order to meet the projected demands for the FUSD and Palmyra area listed in Section 4.2.1.2, the County will require an additional water supply. One option would be to construct a 0.8 MGD WTP in Central Fluvanna, which would be large enough to meet the projected max day demands in Central Fluvanna even with the County's well facilities offline. The Central Fluvanna WTP would be supplied from the JRWS 6 MGD raw water allocation and distribute finished water through an on-site BPS to Central Fluvanna. Figure 4-1 illustrates the available water supply and the projected MDD for the next 20-year planning period in Central Fluvanna.



*Figure 4-1: Water Supply vs. Projected Demand – Palmyra and FUSD*

As shown in Figure 4-1, when the 0.8 MGD WTP is brought online, the various well facilities throughout FUSD will not be necessary to supply water based on the demand projections through the end of the planning period.

According to SUP 21-03, parcels located within 1.5 miles of the Bremono Power Station will be served by a new WTP funded partially by Dominion. This will begin to remove the reliance on the County's existing well-based system.

#### **4.3.1.2 Zion Crossroads Area**

This section provides a summary of the potential water treatment alternatives to serve the ZXR area, including purchasing water from Louisa County or constructing a County-owned WTP in ZXR.

##### **4.3.1.2.1 Water Purchase Agreement**

The County has two standing water purchase agreements with the DOC and Louisa County Water Authority (LCWA). The County is allowed to pull a maximum of 75,000 GPD from the DOC water supply, and a maximum of 2,000,000 GPD from LCWA. The latter agreement is contingent upon the completion of the JRWS withdrawal project. For the purposes of this UMP, it is assumed that Louisa would have access to the raw water supply in the year 2022. This timeline, as well as ZXR water system's ability to sustain the projected level of growth/demand, may need to be reevaluated, as the permitting process between DEQ, JRWA, USACE, and the DHR is still ongoing.

##### **4.3.1.2.2 Water Treatment Options**

One option to meet the projected demands in the ZXR region is for the County to construct their own WTP facility in eastern ZXR, using the raw water supply from JRWS and providing treated



water to the ZXR region. The initial size of the WTP would be 4.0 MGD based on the projected demands in Section 4.2.1.2. The final buildout size of the WTP depends on how much of the JRWS 6.0 MGD allocation is used in Central Fluvanna. This project would require the construction of a 4.0 MGD raw water BPS at Fluvanna County's connection point to the JRWA raw waterline, which terminates in Louisa County just past Grace Johnson Road. A 7-mile stretch of 20" raw waterline would run from the BPS to the new WTP, located in the vicinity of eastern ZXR (the waterline was sized preliminarily based on head loss and velocity constraints; a PER will be completed to evaluate the required size of the raw waterline to the WTP).

Another option is expanding the existing DOC WTP, allowing for the County to potentially increase their allocation. The DOC has a daily withdrawal limit of 0.9 MG but can supplement their supply using water from the JRWS project and the 40 MG of surface water storage available in the on-site lagoon. This would require an additional 3 miles of 20" raw waterline in addition to the facilities listed above to get the raw water supply to the DOC facility. While upgrading the capacity of the DOC WTP is a possibility, the County will have no control over the quality of the treated water and will not be immune to potential rate increases once the agreements between the DOC and the County need to be renewed.

A third option is funding an upgrade to the LCWA water treatment facilities and purchase more than the current allocation. The County will not be immune to rate increases from LCWA and will potentially pay more in the long-term purchasing water from LCWA rather than constructing their own WTP.

It is recommended that Fluvanna County construct their own WTP. The construction of a County-owned WTP would provide several benefits, including but not limited to:

- 1) Protection from rate increases from both the DOC and LCWA
- 2) Autonomy in future planning
- 3) Ability to control finished water quality
- 4) Provides political flexibility and independence to the County

Figure 4-2 illustrates the available water supply and the projected demands for the next 20-year planning period in ZXR.

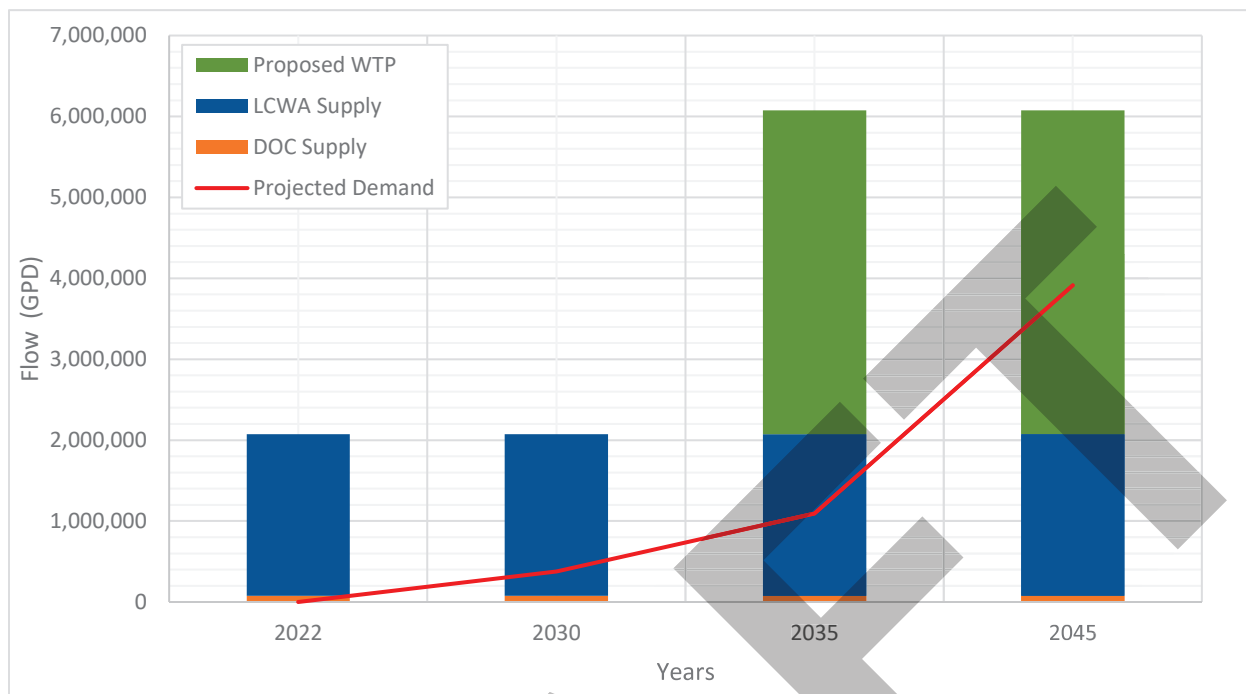


Figure 4-2: Water Supply vs. Projected Demand – Zion Crossroads

#### 4.3.1.3 Water Supply Cost Estimates

Costs to construct a County-owned WTP versus a DOC-owned WTP (or County-owned WTP at the DOC site) are shown in Table 4-10 below. These costs include the treatment plant itself, as well as the costs required to transport water from the Fluvanna County Boundary with Louisa County.

Table 4-10: Raw Water Supply Facility Cost Comparison

Facility	County-Owned WTP	DOC-Owned WTP
<b>4 MGD WBS</b>	\$8,900,000	\$8,900,000
<b>20" Raw Waterline</b>	\$7,176,000	\$13,176,000
<b>4 MGD WTP</b>	\$57,000,000	\$57,000,000
<b>Total</b>	<b>\$73,076,000</b>	<b>\$79,076,000</b>

A new 4 MGD WTP would need to be constructed at the DOC, as the existing DOC WTP was not designed to be expandable. Therefore, the only cost difference between the two options is the cost to extend the raw waterline an additional 3 miles to the DOC site. Since there is no cost benefit to constructing the WTP at the DOC site, there is no apparent fiscal benefit to this alternative.

An approximate breakeven analysis was done comparing the capital cost of constructing the County-owned WTP versus paying for additional water from LCWA, considering different levels of growth in the ZXR Area (demand projections from Table 4-5). Figure 4-3 shows how many

years it would take at each growth level to reach the breakeven point of the cost of constructing the County-owned WTP. The analysis shows a high-density population growth rate will break even in 14 years, a medium density growth rate will break even in 18 years, and a low growth rate will break even in 28 years.

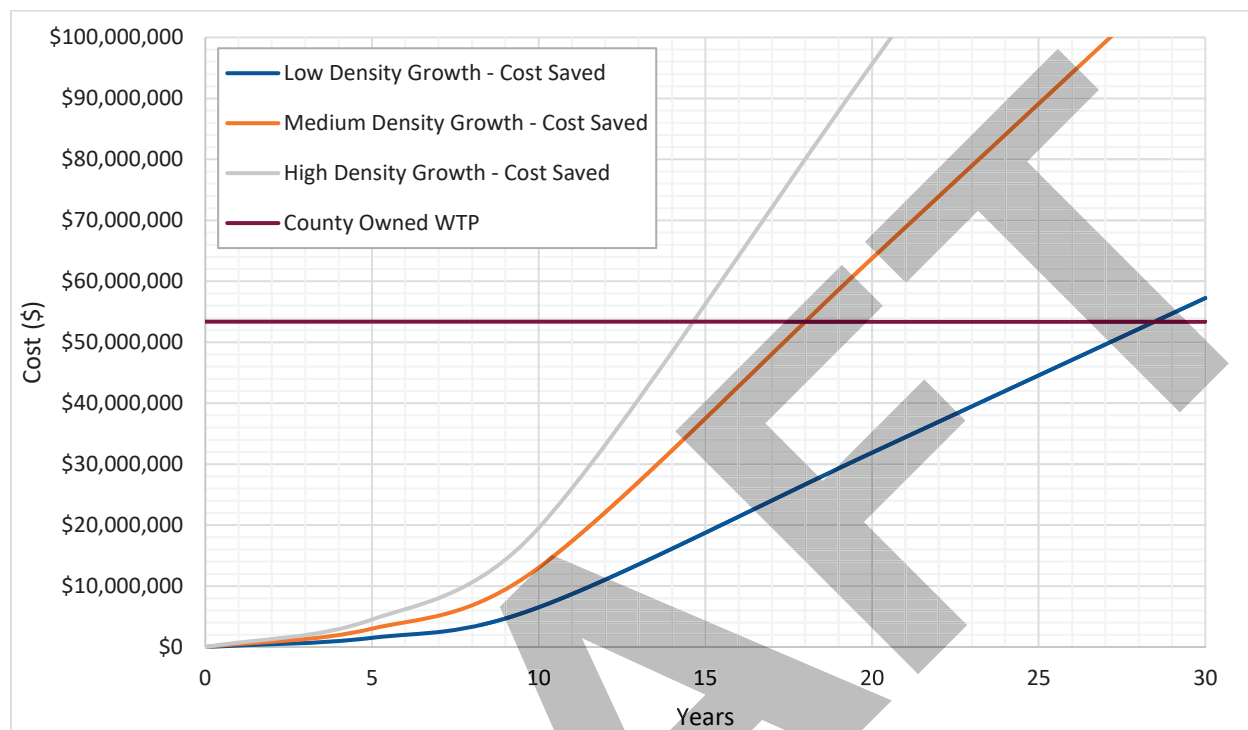


Figure 4-3: County-Owned WTP Breakeven Analysis

## 4.3.2 Wastewater

The County has a standing agreement with DOC to discharge up to 100,000 GPD to the DOC WWTP. Because all the WWTPs within the County discharge into the James basin, it is possible to combine, or “bubble”, the nutrient load allocations permitted for each WWTP. The sections below explore how bubbling permits can be used to serve the ZXR and FUSD/Palmyra regions in the future given the projected growth within the County.

### 4.3.2.1 Fork Union and Palmyra Area

As stated earlier, the Carysbrook WWTP, Central WWTP, and Palmyra Area WWTP are all located in the FUSD/Palmyra area and are County-owned. If the Central and Carysbrook WWTPs are decommissioned, the nutrient load allocations for both the WWTPs can be bubbled to allow for the construction of a single, larger FUSD WWTP. The Palmyra WWTP does not have any allocation to bubble. The nutrient allocation of the Central and Carysbrook WWTPs would allow for construction of a 0.23 MGD WWTP. Due to anticipated industrial development in the area, the County eventually will require approximately 1.0 MGD of treatment capacity, so this route would require additional nutrient load allocation to treat these flows. Should Fluvanna County opt to pursue this path, there are several methods in which the County can obtain additional nutrient allocation:

- Purchase nutrient allocation credit from another municipality.
- Obtain another WWTP with the required nutrient allocation
- Engage in wastewater reuse.

Table 4-11 provides the general permit information for the FUSD/Palmyra WWTPs. Table 4-12 lists the existing flows and allowable total nitrogen (TN) and total phosphorus (TP) discharge loadings for each WWTP. The table also shows the total theoretical flow capacity of the new WWTP, assuming that the new WWTP would be able to treat the influent wastewater to discharge levels of 3.0 mg/L TN and 0.1 mg/L TP.

*Table 4-11 FUSD/Palmyra WWTP Permit Information*

Wastewater Treatment Facility	VPDES Permit Number	Basin	Outfall Location	Flow Tier 1 (MGD)	Flow Tier 2 (MGD)	Flow Tier 3 (MGD)	Ultimate Flow Tier (MGD)
Carysbrook WWTP	VA0082228	James	Rivanna River	0.012	-	-	0.012
Central WWTP	VA0030767	James (Middle)	Raccoon Creek	0.025	0.05	-	0.05
Palmyra WWTP	VA0091146	James	Rivanna River	0.0399	0.1	0.15	0.15
<b>Total</b>				<b>0.131</b>	<b>0.15</b>	<b>0.15</b>	<b>0.21</b>

*Table 4-12 FUSD/Palmyra WWTP Nutrient Load Allocations and Calculations*

Wastewater Treatment Facility	Current ADF (MGD)	TN Discharge Allowance (lb/yr)	TP Discharge Allowance (lb/yr)	Treated Flow TN Conc (mg/L)	Treated Flow TP Conc (mg/L)	Flow Capacity - TN Limit (MGD)	Flow Capacity - TP Limit (MGD)
Carysbrook WWTP	0.0014	684	91	3	0.1	0.07	0.30
Central WWTP	0.011	1,424	190	3	0.1	0.16	0.62
Palmyra WWTP	0.0166	0	0	3	0.1	0.00	0.00
<b>Total</b>	<b>0.029</b>	<b>2,108</b>	<b>281</b>	-	-	<b>0.23</b>	<b>0.92</b>

The central FUSD WWTP would initially be constructed for 0.23 MGD and would be expandable to 1.0 MGD. Based on the locations and sizes of the County-owned parcels, the new WWTP would likely be constructed either centrally in FUSD, near the area where the highest loading is likely to occur or in the Carysbrook area near the Rivanna River outfall. The new WWTP would require roughly 10-15 acres of land and would cost approximately \$45 million when fully expanded. A formal PER will be completed evaluating the location, capacity, cost, and initial design of the new centralized WWTP. The PER will also examine if there are any known impairments at the discharge location into the Rivanna river, which is just north of the existing Carysbrook WWTP.

The total existing design capacity from the Carysbrook, Central, and Palmyra WWTPs is 0.137 MGD, shown in Figure 4-4.

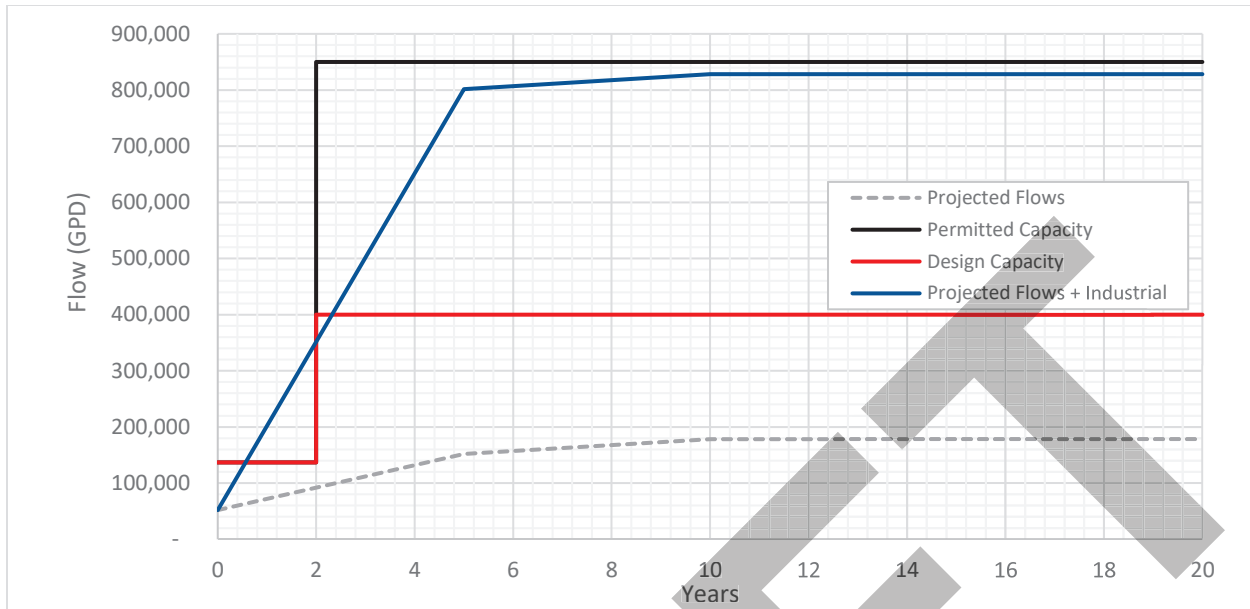


Figure 4-4: Treatment Capacity vs. Projected Flows – FUSD/Palmyra

#### 4.3.2.2 Zion Crossroads Area

This section provides a summary of the potential wastewater treatment alternatives in the ZXR area, including upgrading the DOC WWTP, pumping sewage to Louisa County, and constructing a countywide WWTP.

##### 4.3.2.2.1 DOC WWTP Expansion

The ZXR region is roughly 15 miles away from a regional central WWTP for the Palmyra and FUSD regions; therefore, the most feasible option is to utilize the existing DOC WWTP facility and nutrient load allocation separately from the rest of the County for treatment of the projected flows over the next 20-year planning period. As shown in Table 4-13:, the existing DOC WWTP capacity is 0.3 MGD, but it has the largest TN and TP discharge loadings of all of the other WWTPs combined, as shown in

Table 4-14: If the DOC is willing to transfer ownership of the discharge permit to the County, the County would be able to expand the existing DOC WWTP up to a buildout capacity of 1.87 MGD (assuming treated discharge levels of 3.0 mg/L TN and 0.1 mg/L TP). It is unlikely that the DOC would be willing to partner with the County in order to pay for an expansion of their WWTP, as their wastewater flows are not expected to increase in the future.

Table 4-13: DOC WWTP Permit Information

Wastewater Treatment Facility	VPDES Permit Number	Basin	Outfall Location	Flow Tier 1 (MGD)	Flow Tier 2 (MGD)	Flow Tier 3 (MGD)	Ultimate Flow Tier (MGD)
DOC	VA0023418	James (Middle)	Oliver Creek, Unnamed Tributary	0.3	-	-	0.3

Table 4-14: DOC WWTP Nutrient Load Allocations

Wastewater Treatment Facility	ADF (MGD)	TN Discharge Allowance (lb/yr)	TP Discharge Allowance (lb/yr)	Treated Flow TN Conc (mg/L)	Treated Flow TP Conc (mg/L)	Flow Capacity - TN Limit (MGD)	Flow Capacity - TP Limit (MGD)
DOC	0.17	17,085	2,284	3	0.1	<b>1.87</b>	<b>7.50</b>

As shown in Figure 4-5, the DOC WWTP’s first expansion is to 0.9 MGD, and upgraded to the full 1.87 MGD in 10 years. If this alternative is pursued, a formal PER evaluating the required land, capacity, cost, and initial design of the expanded DOC WWTP is recommended. The PER will also evaluate the ability of the small tributary (Oliver Creek) discharge location to handle the increased flow from the DOC WWTP.

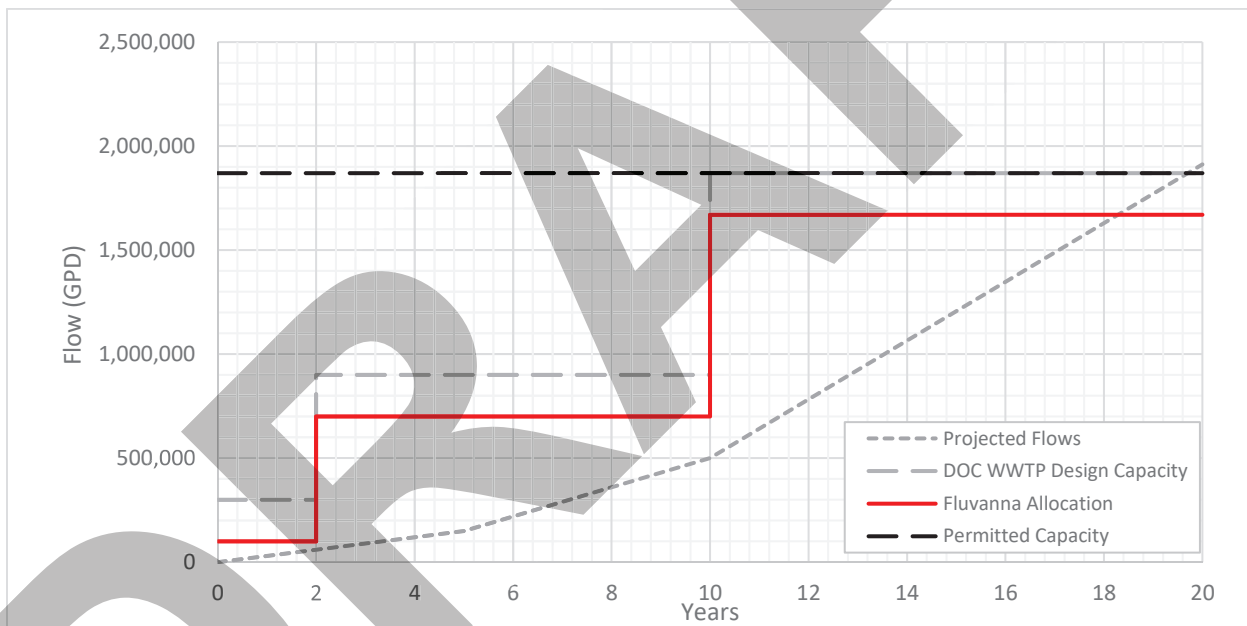


Figure 4-5: Treatment Capacity vs. Projected Flows – Zion Crossroads

#### 4.3.2.2.2 Pump Flow To LCWA

If it is not feasible to expand the DOC WWTP or the DOC is not willing to relinquish their ownership of the discharge permit, a second option is to manifold the force main running from the ZXR WWPS into the Louisa force main north of I-64, and pay LCWA to receive and treat flow at the Louisa ZXR WWTP. This will be an intermediate (not permanent) solution, as LCWA has sized their existing WWTP to account for their own projected growth and may not have additional capacity to accommodate additional flow from Fluvanna County. This option would need to be discussed with all of the relevant stakeholders, including Fluvanna PWD, LCWA, and DOC, to

verify the feasibility of this alternative; and would also likely involve each stakeholder's engineers, advisors, contractors, and other counsel.

#### 4.3.2.3 Countywide Alternative

A final option in lieu of treating the Central Fluvanna and ZXR wastewater flows separately would be to acquire and bubble all of the WWTPs (Carysbrook, Central, Palmyra, and DOC) and construct one single regional WWTP. Similar to the regional FUSD WWTP discussed earlier, this WWTP would still be located centrally in FUSD, and as Table 4-15 illustrates, will have a buildout capacity of 2.87 MGD. This option also has the issue of nutrient load allocation requirements, which only allow for 2.10 MGD, and will require additional allocation in the future, which can be acquired through purchasing nutrient credits, obtaining another WWTP with nutrient credits, or engaging in wastewater reuse.

Table 4-15: Countywide Combined Nutrient Load Allocations

Wastewater Treatment Facility	ADF (MGD)	TN Discharge Allowance (lb/yr)	TP Discharge Allowance (lb/yr)	Treated Flow TN Conc (mg/L)	Treated Flow TP Conc (mg/L)	Flow Capacity - TN Limit (MGD)	Flow Capacity - TP Limit (MGD)
All WWTPs Combined	0.199	19,193	2,565	3	0.1	<b>2.10</b>	<b>8.42</b>

This alternative will require a large initial capital investment, requiring the following:

- Purchase of the DOC WWTP site and discharge permit
- Acquisition of additional nutrient load allocation
- Construction of a new WWPS at the DOC WWTP site, reversing the direction of flow in the force main from east-west to west-east
- Construction of a new force main from the ZXR WWPS south along Route 15 to the new regional WWTP at Carysbrook (roughly 15 miles in length)
- Construction of a new regional 2.87 MGD WWTP

Figure 4-6 provides an illustration of how implementing a regional WWTP is phased, how much permitted capacity is available, and how this capacity compares to the total countywide projected flows.



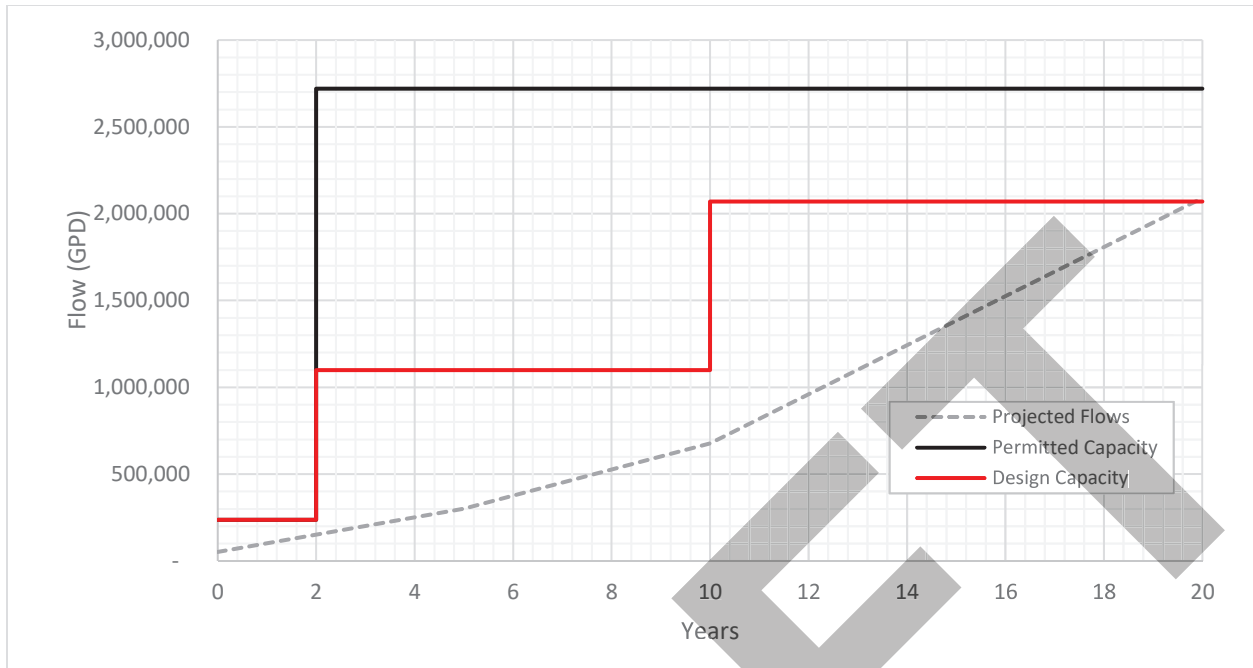


Figure 4-6: Total Treatment Capacity vs. Projected Flows (Zion Crossroads, Palmyra, and FUSD)



## Chapter 5. System Modeling

Fluvanna County's water and wastewater systems are modeled to predict and evaluate system conditions throughout the planning period and identify improvements required to meet future needs. Computer modeling software is used to develop the system models, which are loaded with water and wastewater demand projections that are developed as described in **Chapter 4**. The models are used to evaluate cost-effective, environmentally sensitive improvement scenarios required to address future conditions.

Brief summaries of the water and wastewater system modeling software packages, model development activities, system loading procedures, assumptions, calibration techniques, and modeling scenarios are provided in the following sections.

### 5.1 Water Model

Water system modeling activities are conducted utilizing the Bentley WaterGEMS Water Distribution Modeling Software. WaterGEMS is a hydraulic modeling application for water distribution systems with advanced interoperability, geospatial model building, optimization, and asset management tools. Its hydraulic analysis engine includes the capability to evaluate storage requirements, analyze water quality, approximate available fire flow, and calibrate large distribution networks, making it a useful tool for water system master planning activities.

#### 5.1.1 Model Update

The existing water system model is updated utilizing data from the County's GIS and supplemented using available record drawing information, field verification of above ground features, and approved plans. Elements that are included in the water system model consist of the following:

- Water distribution lines ranging in diameter from 4" to 12"
- Water storage tanks
- BPSs
- Water source connections (Louisa County for ZXR and a WTP for FUSD/Palmyra area)
- Pressure relief valves

Pipe modeling information is based on the updated GIS geodatabase provided by Fluvanna and updated by Dewberry. The GIS data provided by Fluvanna includes lengths and diameters for most of the water pipes, and pipe material for some of the pipes.

Junctions, or nodes, in the model are created at each change in pipe size, change in pipe direction, pipe intersections and any "break" in the GIS pipes, such as valves. Each junction is assigned an elevation in the model based on the 4-foot GIS topography contours provided by the County. These contours are converted to a raster image from which interpolated elevations are extracted and applied to each junction.

### 5.1.2 Model Demand Allocation

Two sets of steady state demands are included in the model to simulate system conditions under both average and maximum day demands. The demands for each service connection are assigned to the nearest node based on geo-coded service address for existing consumers or assumed connection points for future development. A detailed summary of system demands is provided in **Chapters 3 and 4**.

Diurnal demand patterns are incorporated into the model to simulate the hourly fluctuations of water usage throughout an average day and maximum day. American Water Works Association (AWWA) standard diurnal patterns are used for Residential and Commercial demands.

### 5.1.3 Model Assumptions and Evaluation Criteria

System operating parameters that are adjusted as part of this UMP include demands, pipe hydraulic roughness coefficients, pump performance, and interconnections to adjacent municipalities. All existing waterlines are modeled with a Hazen Williams roughness coefficient (C value) of 130. All future waterlines are also modeled with a C value of 130.

The following criteria are used in the water model to design and size waterlines:

- Maximum Velocity: 10.0 ft/s
- Minimum Velocity: 2.0 ft/s
- Maximum Pressure: 80 psi
- Minimum Pressure: 20 psi
- Minimum Pressure (fire flow): 20 psi

### 5.1.4 Model Scenarios

Steady-state and extended period simulations (EPS) are run for each of the time increments (2030, 2035 and 2045) within the planning period. The simulations evaluate required system improvements, to identify, and prioritize CIPs.

Steady-state fire flow analyses are performed to assess each system's ability to respond to a two (2) hour fire event during peak hour system demands, while maintaining the VDH-required minimum system wide pressure of 20 psi. Commercial and residential fire flows are simulated at strategic locations throughout each system to confirm system adequacy. In the ZXR area fire flows are modeled as 2-hour, 1,500 gpm events, as directed by the County. Due to smaller pipe sizes and lower flows, in FUSD and Palmyra fire flows are modeled as 2-hour, 500 gpm events.

Evaluating the adequacy of the system at each time increment through the planning period, the timing of individual CIP requirements is determined. Water modeling results are used to develop the water system improvement program that is described in detail in Chapter 6.

## 5.2 Wastewater Model

Wastewater system modeling activities are conducted utilizing the Bentley SewerGEMS Modeling Software. SewerGEMS is a sanitary modeling package that provides extensive scenario and facility management functionalities that make it a useful tool for analyzing existing and proposed sewer collection systems and their growth over time.

### 5.2.1 Model Update

The existing sewer system model is updated utilizing data from the County's GIS. The following elements are involved in the system model developed for this UMP:

- Gravity sewer lines 8-inches in diameter or greater
- Sanitary sewer pump stations
- Force main piping
- WWTPs
- Manholes

Information from the GIS database is used, where possible, to provide information on pipe lengths, slopes, ground elevations, and invert elevations and to establish continuity throughout the system. For portions of the system where GIS data is not available, invert and ground elevations are taken from record drawings or field surveyed.

### 5.2.2 Model Loading

Peak hour loadings are allocated to the model in order to accurately assess system capacity. In the model, meter readings for each service connection loadings are assigned to the nearest manhole based on geo-coded service address for existing consumers or assumed connection points for future development. A detailed summary of system demands is provided in Chapters 3 and 4.

### 5.2.3 Model Assumptions and Evaluation Criteria

System operating parameters that are adjusted as part of this UMP include demands, pipe hydraulic roughness coefficients, pump performance, and interconnections to adjacent municipalities. All existing gravity sewer mains and force mains are modeled with a Hazen Williams roughness coefficient (C value) of 120 simulate potential degradation of pipes. All future waterlines are modeled with a C value of 130.

The following criteria are used in the sewer model to design and size gravity sewer:

- Maximum Velocity: 10.0 ft/s
- Minimum Velocity: 2.0 ft/s
- Minimum Slope: 0.004 ft/ft

The following criteria are used in the sewer model to design and size force mains:

- Maximum Velocity: 10.0 ft/s
- Minimum Velocity: 2.0 ft/s

### 5.2.4 Model Scenarios

Simulations are performed for each of the time increments (2030, 2035, and 2045) within the planning period. The simulations evaluate required system improvement and identify CIPs.

A peak hour steady state analysis is used to evaluate system capacity during a peak hour event. Peaking factors for each sub-drainage basin are based on average day loading conditions and equivalent population data. To calculate peak hour demands, the Harmon equation is applied to each point load within the model.

Evaluating modeled system flows at each time increment, the timing of individual CIP requirements is determined. These analyses are used to develop the wastewater system improvements that are described in detail in Chapter 7.

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## Chapter 6. Water System Improvements

This chapter of the UMP presents an overview of system improvements that are proposed to provide water service within the County's water service areas through the Year 2040. Fluvanna County constructs projects required to provide adequate water supply to general areas, and the private sector constructs the required water infrastructure to serve their projects.

The water system improvements program involves upgrades and/or expansions to water supply, water storage, and water distribution to ensure adequate supply and system pressures throughout the planning period during a max day demand and fire flow conditions.

An overview of recommended improvements based on modeling results is provided in the following section. The necessity of each project is conditional on the development of the area which it will serve. The years provided for each project are only for guidance purposes, and projects should be prioritized based on the actual development of the areas mentioned in the project descriptions below. The locations of each project are shown on labeled maps in **Appendix 1**. The improvements in the following list are named with regards their system (W-water, SS-sanitary sewer), their geographical location (ZXR-Zion Crossroads, FUSD-Fork Union Sanitary District, PMR-Palmyra), a planning level project number, and their rough year of completion (2025, 2030, 2040).

### 6.1 Fork Union Sanitary District Projects

The following list includes all water system improvements in the FUSD region of the County. **Appendix 1** shows the water project locations on a map of the FUSD/Palmyra region.

#### **WFUSD-0001-2030 (Treatment Plant)**

2.0 MGD WTP is shown along James Madison Hwy. near the intersection with Saylor Ln as a conceptual location. This location was selected in order to collocate the proposed WTP and EST where the largest development in the area is expected. Alternatively, this treatment plant may be located generally in the Carysbrook area. Upon the completion of a formal PER, the precise location of this treatment plant will be determined. This WTP will replace the smaller treatment plants and groundwater wells throughout the FUSD region and will serve the entire area.

#### **WFUSD-0002-2030 (Raw Waterline)**

20,300 LF of 20" raw waterline running from the JRWA raw waterline to the WFUSD-0001-2030 WTP in central FUSD. This waterline will provide all water for the WTP and will allow for the wells to be abandoned.

#### **WFUSD-0003-2030 (Booster Pump Station and Ground Storage Tank)**

2.0 MGD raw water BPS and 1.0 MG GST located at the intersection of Gale Hill Rd. and Route 656. The GST will receive flows from the JRWA RWL and the BPS will pump raw water through the WFUSD-0002-2030 raw waterline to the WFUSD-0001-2025 WTP.

#### **WFUSD-0004-2030 (Water Main)**

10,100 LF of 6" water main running along Bremono Rd. from the intersection at Bremono Bluff Rd. to the intersection with Spring Rd. This water main ties into the existing 6" water mains at both ends. This will serve existing users of well-based system and those identified as within 1.5 miles of the Bremono Power Station site in SUP 21-03.

#### **WFUSD-0005-2035 (Storage Tank)**

0.4 MG EST located at the same site as treatment plant WFUSD-0001-2030. This tank will store potable water from the treatment plant and distribute it throughout the FUSD area. See Figure 6-2 for the hydraulic grade of this tank in relation to the existing Weber City Tank in FUSD.

#### **WFUSD-0006-2035 (Water Main)**

3,300 LF of 8" water main running east along East River Rd. from the intersection with Red Bank Ln. and Gravel Hill Rd. to the intersection with Gravel Hill Rd. and Holmhead Circle. This water main will provide redundancy for the existing water main on Gravel Hill Rd.

#### **WFUSD-0007-2045 (Water Main)**

Upsize 22,800 LF of existing water main from the intersection of W River Rd. through the border of FUSD at Carysbrook to 12" to serve future needs of FUSD. This water main will provide additional capacity for water service to be extended to Palmyra.

## **6.2 Palmyra Projects**

The following list includes all water system improvements in the Palmyra area of the County. **Appendix 1** shows the project locations on a map of the FUSD/Palmyra region.

#### **WPMR-0001-2045 (Water Main)**

25,200 LF of 12" water main that runs north along James Madison Hwy. starting at the end of the existing water main in FUSD that runs along James Madison Hwy. then turns northeast along Thomas Jefferson Pkwy and continuing until Commons Blvd. This water main will allow for water service to be extended to Palmyra and the area along James Madison Hwy.

#### **WPMR-0002-2045 (Water Main)**

1,200 LF of 8" water main branching off to the east from water main WPMR-0001-2045 at the intersection of James Madison Hwy. and Central Plains Rd. and connecting to the middle school.

#### **WPMR-0003-2045 (Water Main)**

1,100 LF of 8" water main continuing along James Madison Hwy. into Palmyra where WPMR-0001-2045 bends along Thomas Jefferson Pkwy. This water main will serve the government complex and surrounding areas in Palmyra.

## **6.3 Zion Crossroads Projects**

The following list includes all water system improvements in the ZXR region of the County. **Appendix 1** shows the project locations on a map of the ZXR region.



**WZXR-0001-2030 (Water Main)**

6,700 LF of 12" water main starting at the end of the existing Route 250 water main near the DOC BPS and extending west along Richmond Rd just past the intersection with Beaverdam Rd. Also included is a PRV located at the DOC BPS. At the time of writing, this water main is under design. This project is partially funded through an agreement with DEQ.

**WZXR-0002-2030 (Booster Pump Station and Storage Tank)**

4 MGD raw water BPS located at the end of the JRWS raw waterline, near border with Louisa County near the intersection of Three Notch Rd. and James Madison Hwy. There is room on the site of the existing Fluvanna EST for this BPS. This booster station will pump raw water from the JRWA Raw Waterline to the DOC WTP. It will be designed to reverse flow in the case of an emergency. Additionally, a 1 MGD ground storage tank will be needed for raw water storage at this location.

**WZXR-0003-2030 (Water Main)**

2,600 LF of 12" water main starting at the intersection of Richmond Rd. and Troy Rd. running south along Troy Rd. until the intersection with Industrial Way. The waterline will later be expanded in WZXR-0005-2035. This water main will serve an area of future development south of Richmond Rd.

**WZXR-0004-2035 (Water Main)**

6,000 LF of 12" water main starting at the southern end of the existing water main along James Madison Hwy. running south then west to Troy Rd. connecting to WZXR-0005-2035. This waterline will serve an area of future development south of Richmond Rd and west of James Madison Hwy. This water main, in conjunction with WZXR-0005-2035 will create a loop to provide redundancy in western ZXR.

**WZXR-0005-2035 (Water Main)**

2,800 LF of 12" water main continuing at the end of WZXR-0004-2035 and running south along Troy Rd. until just south of the intersection with Ghost Dance Ln. where the waterline connects with water main WZXR-0003-2030. This water main, in conjunction with WZXR-0004-2035 will create a loop to provide redundancy in western ZXR.

**WZXR-0006-2045 (Raw Waterline)**

37,400 LF of raw waterline running from the end of the JRWA raw waterline through Louisa County to the ZXR area. This waterline will supply raw water for the future WTP in ZXR.

**WZXR-0007-2045 (Treatment Plant – Alternative 1)**

A 4 MGD treatment facility at the existing DOC facility is required to serve the future development of the ZXR area. If the DOC WTP is upgraded, 15,900 LF of 20" raw waterline must be constructed as an extension of the JRWA RWL.

**WZXR-0008-2045 (Treatment Plant – Alternative 2)**

Rather than significantly upgrading the existing DOC WTP (WZXR-0007-2045) and building a raw waterline along Richmond Rd. to the DOC to transport raw water to the WTP, a WTP may be constructed closer to the Louisa County border, near the existing Fluvanna EST that is closer to the discharge point of the James River Raw Waterline extension. Upon the completion of a formal PER, the precise location of this treatment plant can be determined.

**WZXR-0009-2045 (Water Main)**

15,000 LF of 12" water main installed parallel to the existing 12" water main that runs alongside Richmond Rd. from the existing Fluvanna EST to the DOC. This water main is needed to provide redundancy for the existing 12" water main.

**WZXR-00010-2045 (Booster Pump Station)**

An upgrade to the BPS at the DOC to increase the flow of the DOC BPS to 2 MGD. This upgrade will provide additional flow to serve the new development in the ZXR area.

**WZXR-0011-2045 (Water Main)**

7,200 LF of 12" water main parallel to the water main running from the DOC to Beaverdam Rd. along Richmond Rd. This water main will provide redundancy for the existing 12" water main and will serve to fill the new EST, WZXR-0012-2045.

**WZXR-0012-2045 (Storage Tank)**

1 MG EST located near the intersection of Richmond Rd. and Beaverdam Rd., connected to the Rt 250 water main that is in design and water main WZXR-0011-2045. The tank is placed on a regional high point and will prove water to the western portion of the ZXR area. See Figure 6-1 for the hydraulic grade of this tank in relation to the existing tanks in the ZXR area.

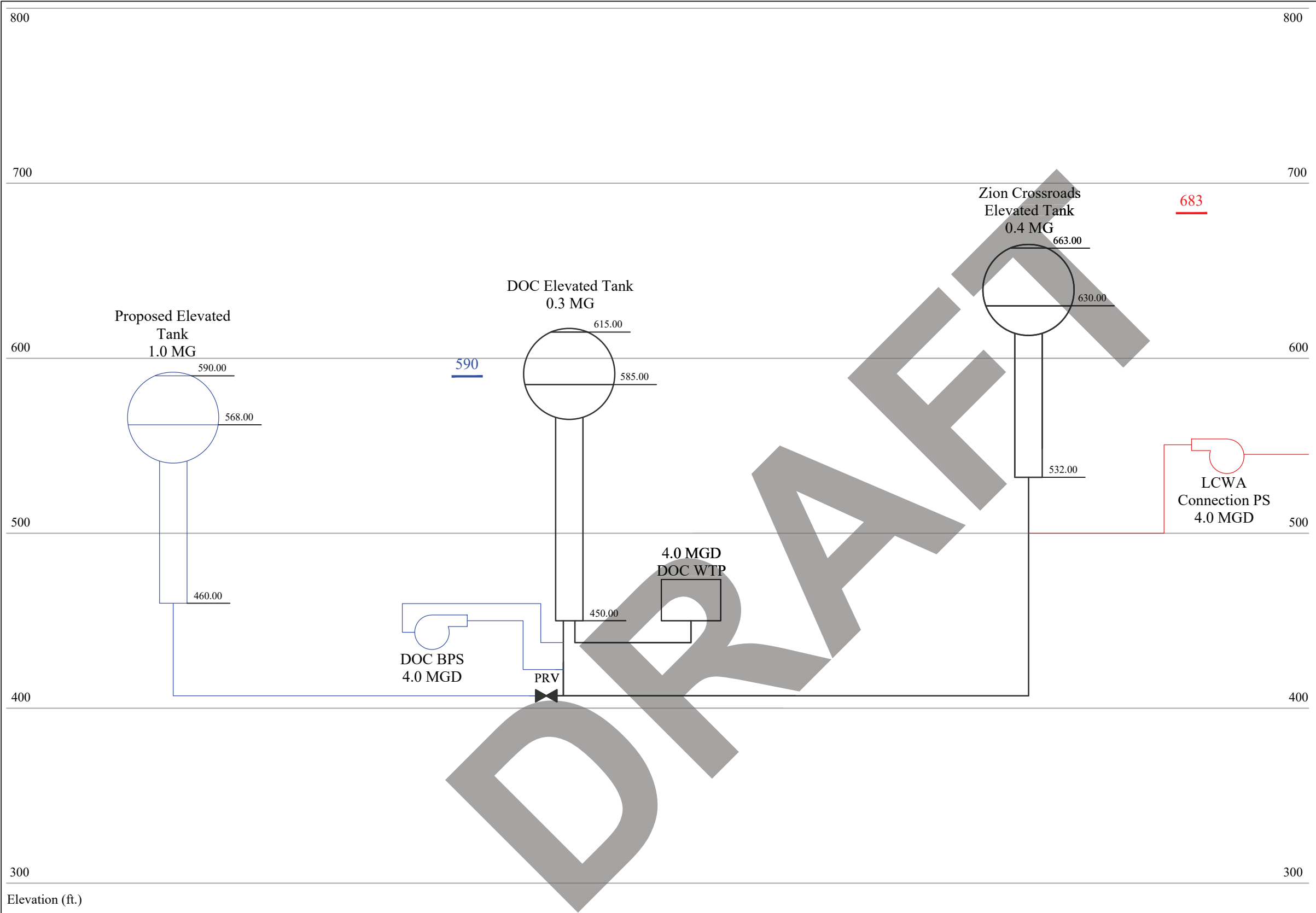
**WZXR-0013-2045 (Water Main)**

4,100 LF of 12" water main running along Beaverdam Rd. from Richmond Rd. to just north of Westview Ln. This water main will serve the area of potential development along Beaverdam Rd.




**WZXR-0014-2045 (Water Main)**

4,300 LF of 12" water main running along Richmond Rd. from the intersection with Beaverdam Rd. to the edge of the parcels of potential development near the western border of the County. This waterline will serve the area of potential development near the western end of the County.





**SYMBOL LEGEND**

-  TREATMENT PLANT
-  ELEVATED TANK WITH OVERFLOW ELEVATION
-  BOOSTER STATION

**COLOR LEGEND**

-  EXISTING
-  0-5 YEARS
-  10-20 YEARS
-  10-20 YEARS

**Dewberry**  
 Dewberry Engineers Inc.  
 4180 INNSLAKE DRIVE  
 GLEN ALLEN, VIRGINIA 23060  
 PHONE: 804.290.7957  
 FAX: 804.290.7928



TITLE ZION CROSSROADS  
 HYDRAULIC GRADE

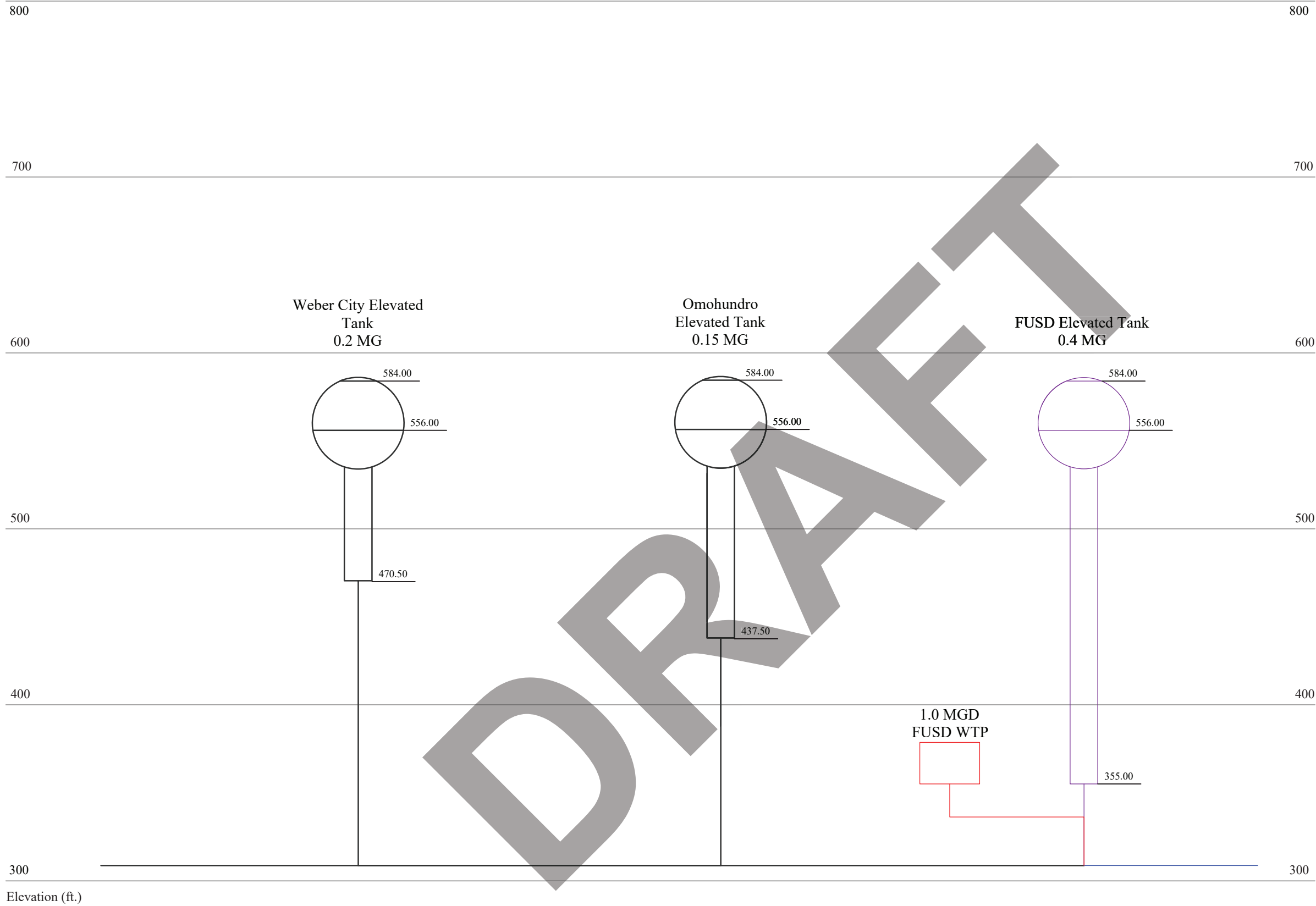
SCALE

DATE APR 2022  
 PROJ. NO. 50112292

FIGURE NO.




**6-1**

PROJECT UTILITY MASTER PLAN  
 FLUVANNA COUNTY, VA



Elevation (ft.)

**SYMBOL LEGEND**

-  TREATMENT PLANT
-  ELEVATED TANK WITH OVERFLOW ELEVATION
-  BOOSTER STATION

**COLOR LEGEND**

-  EXISTING
-  0-5 YEARS
-  10-20 YEARS
-  10-20 YEARS

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FIGURE NO. <b>6-2</b>	DATE APR 2022	TITLE FUSD/PALMYRA HYDRAULIC GRADE
	PROJ. NO. 50112292	PROJECT UTILITY MASTER PLAN FLUVANNA COUNTY, VA
SCALE		



## TECHNICAL MEMORANDUM

**Date:** April 20, 2022

**To:** Fluvanna County Department of Public Works

**From:** Dewberry Engineers Inc.

**Subject:** Fluvanna County Water and Wastewater Facility Condition Assessment

---

### Background

The Fluvanna County Department of Public Works operates several wastewater facilities throughout the Fork Union Sanitation District (FUSD) and Palmyra. Several of these stations are owned by the school system but are operated by the County. Dewberry was tasked to work with County staff to complete a general condition assessment of two (2) water treatment plants, five (5) individual wells, three (3) wastewater treatment plants, and one (1) wastewater pump station, evaluating and prioritizing any deficiencies, and to provide a budget cost estimate for the recommended improvements. The following tasks were completed to develop these budget-level cost estimates:

- Conducted site visits to two (2) water treatment plants (WTP), five (5) individual wells, three (3) wastewater treatment plants (WWTP), and one (1) wastewater pump station (WWPS) to review existing conditions and proposed upgrades;
- Contacted suppliers, manufacturers, and manufacturers' representatives to obtain budget pricing for major equipment components;
- Reviewed contractor pricing and bid information from previous similar projects;
- Prioritized list of improvements and categorized as general maintenance of capital improvements projects (CIP).
- Developed independent budget-level construction cost estimates for each facility.

### Water Facilities Evaluation

The following represents an overview of the condition assessment of each water facility, associated budget cost estimates, and recommended prioritization for each evaluated maintenance/upgrade alternative. Condition assessments were made for each of the following locations:

- Morris Well & WTP
- Omohundro Well & WTP
- Weber City Well (not currently in service)
- Melton Well
- Bremo Well
- West Bottom Well
- Owens Well

### Wastewater Facilities Evaluation

The following represents an overview of the condition assessment of each wastewater facility, associated budget cost estimates, and recommended prioritization for each evaluated maintenance/upgrade alternative. Condition assessments were made for each of the following locations:

- Carysbrook Wastewater Treatment Plant
- Central Wastewater Treatment Plant
- Palmyra Wastewater Treatment Plant
- Palmyra Wastewater Pump Station

---

**TECHNICAL MEMORANDUM**

A description of the severity level for the recommended improvements is as follows:

- High: Potential operational impact; improvements should be completed within 1-2 years.
- Medium: No operational impact; improvements required for ease of operation and maintenance.
- Low: No operational impact; improvements are recommended.

**Asset Management Program**

In addition to the condition assessments performed on each facility, a desktop asset management analysis is performed to highlight areas of potential failure throughout the FUSD water system. This analysis evaluates potential renewal and replacement projects throughout the region with respect to system age, importance, and condition.

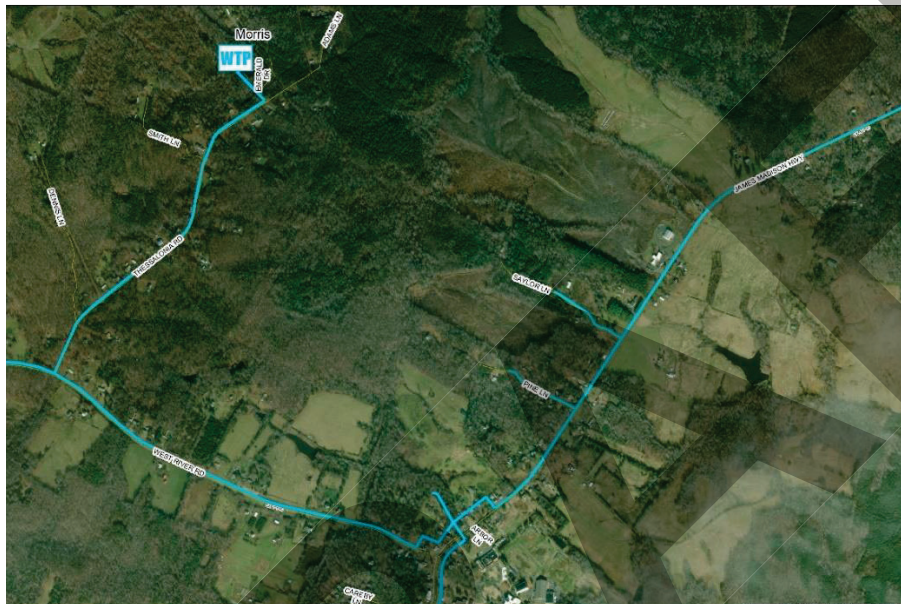
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TECHNICAL MEMORANDUM

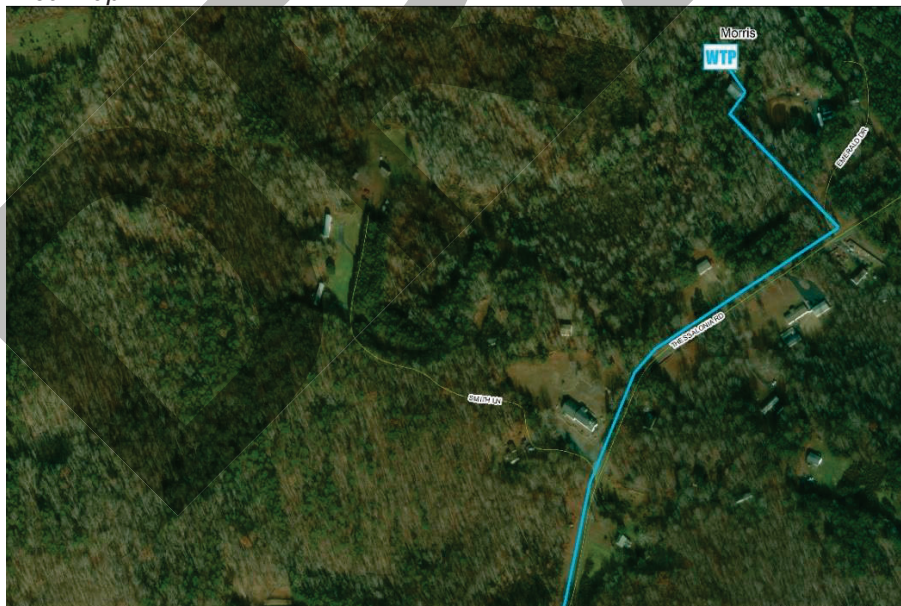
Water Facilities

I. MORRIS WELL & WTP

Facility Address: 41 Emerald Ln, Fork Union, VA 23055  
Start-up Date: 1997  
Facility Type: Water Treatment Plant  
Estimated Repair Costs: \$73,000



Area Map



Location Map



**TECHNICAL MEMORANDUM****Facility Description**

The Morris WTP is located off Thessalonia Rd. This WTP consists of a small well house which contains the well head; a building which houses the booster pumps, chemical injection system, detention tank, filters, and process piping and appurtenances as well as electrical components; a large backwash storage tank; and a lagoon. In addition, an abandoned backwash tank is also present on-site. The pump house has three (3) small chemical pumps for adding chemicals to raw water before the filters and two (2) distribution booster pumps.

**1. No Vent in Well House**

*Description of issue:* The well house does not have a vent for ventilation.  
*Proposed corrective action:* A vent should be added to the well house.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$4,300

**2. Well House Heater**

*Description of issue:* The well house heater is in very poor condition (See Figure 1).  
*Proposed corrective action:* The well house heater should be replaced.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$4,500

**3. Well House Light**

*Description of issue:* The light in the well house is in poor condition.  
*Proposed corrective action:* The light should be replaced.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,500

**4. Backwash Tank Drain**

*Description of issue:* The backwash tank drain does not have a valve, rather it has a PVC end cap (See Figure 2).  
*Proposed corrective action:* A valve should be placed on the backwash tank drain.  
*Priority ranking:* High  
*Estimated Cost to Fix:* \$2,000

**5. Rust on Backwash Tank**

*Description of issue:* Rust is forming on the backwash tank, particularly on the supports (See Figure 3).  
*Proposed corrective action:* Clean the rust off the backwash tank.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$4,800

**6. Backwash Tank Area Grading**

*Description of issue:* The area around the backwash tank is not graded low enough, so water is pooling in certain areas around tanks supports (see Figure 3).  
*Proposed corrective action:* The area arounds the tank should be regraded, or the tank supports should be raised.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$20,500

**TECHNICAL MEMORANDUM**



Figure 1 – Well House Heater



Figure 2 - Backwash Tank Drain



Figure 3 - Backwash Tank Support

**7. Tank Support Form Work**

*Description of issue:* Form work has been left around the backwash tank supports (See Figure 4).

*Proposed corrective action:* The leftover form work should be removed.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$700

**8. Wasp Nests**

*Description of issue:* Wasp nests are present on the pump house walls (See Figure 5).

*Proposed corrective action:* The wasp nest should be safely removed from the walls.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$500

**9. Diesel Storage Tank**

*Description of issue:* The diesel storage tank is a single walled tank and is in poor condition (See Figure 6).

*Proposed corrective action:* The diesel storage tank should be replaced with a double walled tank.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$7,900



Figure 4 - Form Work Around Supports



Figure 5 - Wasp Nests



Figure 6 - Diesel Storage Tank



**TECHNICAL MEMORANDUM****10. Roof Trim**

*Description of issue:* Roof trim is peeling (See Figure 7).  
*Proposed corrective action:* The roof trim should be repaired and repainted.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,500

**11. Roof Shingles**

*Description of issue:* The roof shingles are in fair condition.  
*Proposed corrective action:* The roof shingles should be repaired where needed.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,800

**12. Rust on Doors**

*Description of issue:* The bottoms of the pump house doors are rusting (See Figure 8).  
*Proposed corrective action:* The doors should be cleaned and repainted.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,200

**13. Rusty Fencing**

*Description of issue:* Areas of the fencing around the lagoons has rusted.  
*Proposed corrective action:* The rusty fence segments should be cleaned.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$3,400

**14. Chem Barrel Containment**

*Description of issue:* The chem barrel storage area has no containment structure (See Figure 9).  
*Proposed corrective action:* A containment area should be created for the chem barrel storage.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$2,200



Figure 7 - Roof Trim Peeling

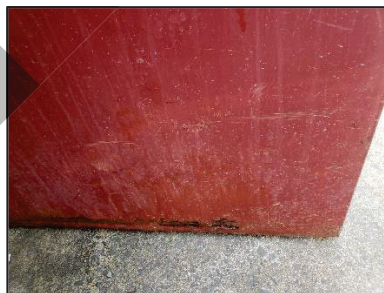


Figure 8 - Door Damage

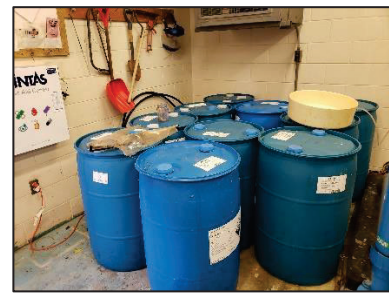


Figure 9 - Chem Barrel Storage

**TECHNICAL MEMORANDUM****15. Chem Pump Shelves**

*Description of issue:* The wooden chem pump shelves are in very poor condition (See Figure 10).

*Proposed corrective action:* A new chem pump shelf should be installed.

*Priority ranking:* High

*Estimated Cost to Fix:* \$2,200

**16. Dirty Floor**

*Description of issue:* The floor is dirty, and paint has chipped.

*Proposed corrective action:* The floor should be cleaned and repainted.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$2,200

**17. Chem System Containment**

*Description of issue:* The chemical system containment area is uncoated (See Figure 11).

*Proposed corrective action:* Coating should be applied to the chem system containment area.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$1000

**18. Tank Feet**

*Description of issue:* The leg feet of all three tanks in the pump house are sitting on the floor with no grout and rusting (See Figure 12).

*Proposed corrective action:* The tank leg feet should be cleaned then raised off the floor with grout.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,300



Figure 10 - Chem Pump Shelf



Figure 11 - Chem System Containment



Figure 12 - Tank Feet

**19. Tank Rust**

*Description of issue:* Two of the three tanks in the pump house have developed significant rust and the manways appear damaged by the rust (See Figure 13).

*Proposed corrective action:* The tanks should be thoroughly cleaned and repainted, and if necessary, the manways should be repaired.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$4,800

## TECHNICAL MEMORANDUM

### 20. Distribution Pump Ventilation

*Description of issue:* The backwash and distribution pumps were hot and do not have enough ventilation.

*Proposed corrective action:* Ventilation for the pumps should be improved.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,200

### 21. Thermostat

*Description of issue:* The thermostat is not attached to the wall and is hanging by the wires (See Figure 14).

*Proposed corrective action:* The thermostat should be attached to the wall.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$700



Figure 13 - Tank Manway Rust

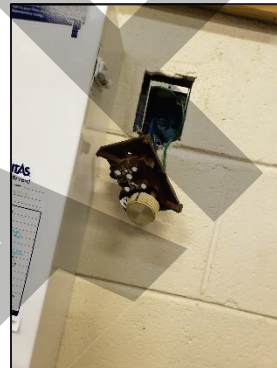


Figure 14 - Thermostat

## WORK COMPLETED UNDER SYDNOR HYDRO CONTRACT

In September 2021, Fluvanna county executed a contract with Sydnor Hydro, Inc. to complete a rehabilitation of the Morris and Omohundro WTP facilities. The following items were identified in the condition assessment as deficiencies in the Morris Well and WTP facility, but have been completed under the Sydnor Hydro, Inc. contract.

### 1. Threaded Sample Taps

*Description of issue:* Sample taps in the well house are threaded (See Figure 15).

*Proposed corrective action:* The threaded sample taps in the well house should be replaced with unthreaded sample taps.

### 2. Well Relief Valve

*Description of issue:* The well relief valve is leaking, and it is not tapped outside (See Figure 16).

*Corrective action:* The well relief valve should be tapped outside of the well house and the leaks should be repaired.

**TECHNICAL MEMORANDUM**

**3. Well House in Very Poor Condition**

*Description of issue:* The entire structure of the well house is in poor condition. Cracks are forming in the walls, and there are large holes that vermin can get through. Wood is rotting (See Figure 17). The well house does not provide sufficient protection for the well piping.

*Corrective action:* The well house should undergo significant repairs or be replaced with a new structure.



Figure 15 – Threaded Sample Tap



Figure 16 – Relief Valve



Figure 17 – Well House

**4. Leaking Pipes in Well House**

*Description of issue:* There are leaking pipes within the well house (See Figure 18).

*Corrective action:* The leaky pipes should be repaired.

**5. Well House Electrical Fixtures**

*Description of issue:* The 120V wire and outlet in the well house are in very poor condition (See Figure 19).

*Corrective action:* The 120V wire and outlet should be replaced.

**6. Well Blow Off**

*Description of issue:* The well blow off does not have a screen on the outlet (See Figure 20).

*Corrective action:* A screen should be put on the well blow off outlet.



**TECHNICAL MEMORANDUM**



Figure 18 – Well House Leaky Piping



Figure 19 – Pump Assembly Piping



Figure 20 - Well House Blow Off

**7. Eyewash Station**

*Description of issue:*

The eyewash station does not work.

*Corrective action:*

The eyewash station should be repaired/replaced

**8. PVC Piping**

*Description of issue:*

Suboptimal PVC piping has been used for most of the pump station piping.

*Corrective action:*

PVC piping should be replaced with ductile iron piping.

**9. Cracked Pipe Flanges**

*Description of issue:*

Many of the PVC pipe flanges are cracked (See Figure 21).

*Corrective action:*

The cracked flanges should be replaced.

**10. Chem Taps**

*Description of issue:*

Chemicals are tapped into the side of water pipes with no tee (See Figure 22).

*Corrective action:*

Chem taps should be re-tapped using the proper tees or tapping saddles.

**11. Leaks**

*Description of issue:*

There are various leaks throughout the pump station, notably in the area around the pipes and near the tanks where a pipe is broken (See Figure 23).

*Corrective action:*

The leaks should be repaired.

**TECHNICAL MEMORANDUM**

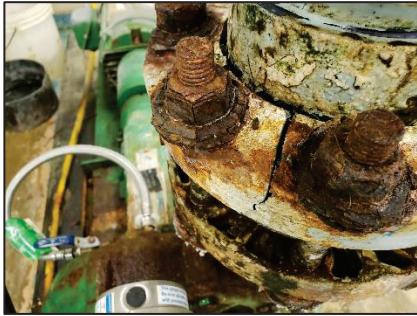


Figure 21 - Cracked Flange



Figure 22 - Chem Taps



Figure 23 - Buckets Where Pipes are Leaking

**12. Broken Pipe**

*Description of issue:*

A pipe is broken and being held together; it is leaking significantly (See Figure 24).

*Corrective action:*

The broken pipe should be replaced.

**13. Rust on Pipes and Fittings**

*Description of issue:*

Rust has formed on pipes, valves, and appurtenances throughout the pump station (See Figure 25).

*Corrective action:*

All areas with rust should be cleaned and repainted.

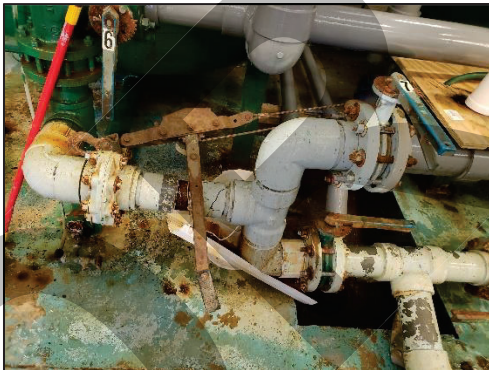


Figure 24 - Broken Pipe



Figure 25 - Rust

**Images of Completed Work**

The following images show the work completed by Sydnor at the time of writing.

TECHNICAL MEMORANDUM





TECHNICAL MEMORANDUM

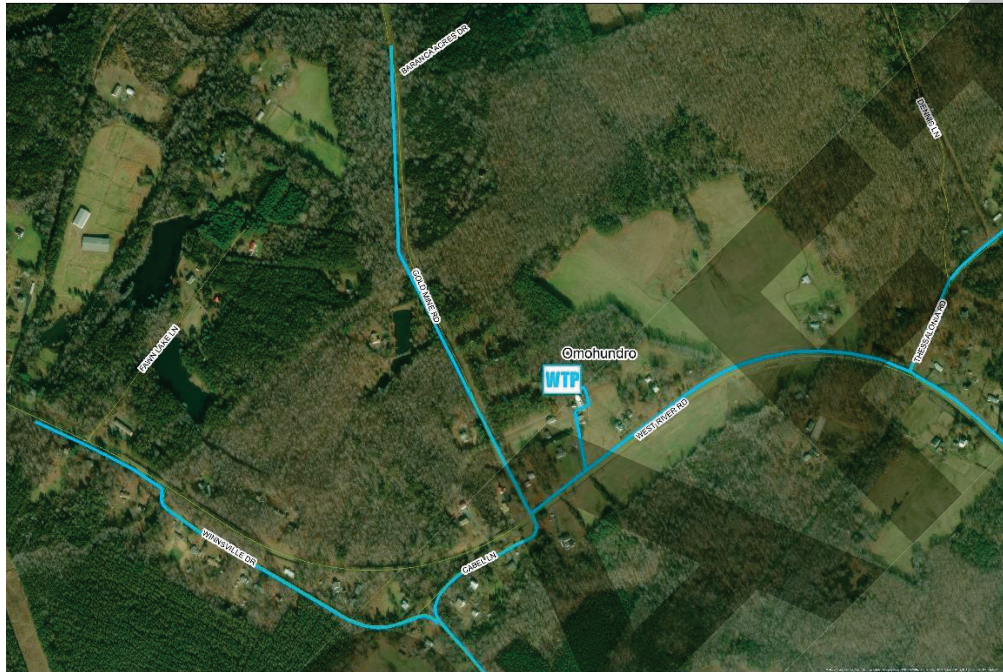




**TECHNICAL MEMORANDUM**

**II. OMOHUNDRO WELL & WTP**

Facility Address: 14349 West River Rd, Breomo Bluff, VA 23022  
Start-up Date: 1996  
Facility Type: Water Treatment Plant and Elevated Storage Tank  
Estimated Repair Costs: \$151,500



Area Map



Location Map

## TECHNICAL MEMORANDUM

### Facility Description

The Omohundro WTP is located off of Gold Mine Rd., near the intersection with W River Rd. This WTP consists of a building which contains all chemical systems, related piping, backwash tank, and electrical fixtures; an elevated storage tank, a small structure housing the well, and several lagoons. The well is in a small enclosure that protects it from the environment from which it pumps water to the building where the treatment process takes place. After treatment water is stored in the on-site Omohundro elevated storage tank. The valve vault is located near the base of the tank.

#### 1. Chem Barrel Containment

*Description of issue:* The chem barrels are stored without any containment structure (See Figure 26).

*Proposed corrective action:* A containment area should be built for the chem barrel storage.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,200

#### 2. Floor Crack

*Description of issue:* There is a large crack on the floor of the pump house (See Figure 27).

*Proposed corrective action:* Repair the cracked floor.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$4,400

#### 3. Chemical Feed Station

*Description of issue:* The chemical feed station is in poor condition. This includes rotting wooden shelves, unsecure pumps, bad tubing, and bad electrical fixtures (See Figure 28).

*Proposed corrective action:* The chemical feed station should be redone with new shelves, new tubing, and new electrical fixtures. The pumps should be secured to the shelves.

*Priority ranking:* High

*Estimated Cost to Fix:* \$15,000

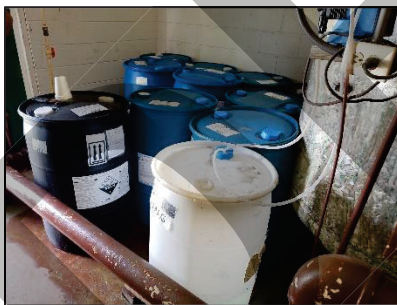


Figure 26 - Chem Barrel Storage

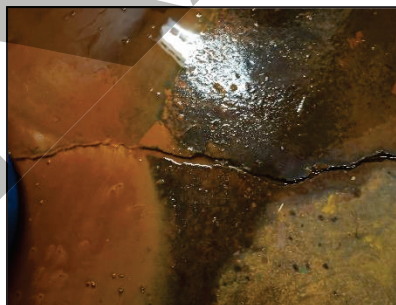


Figure 27 - Floor Crack

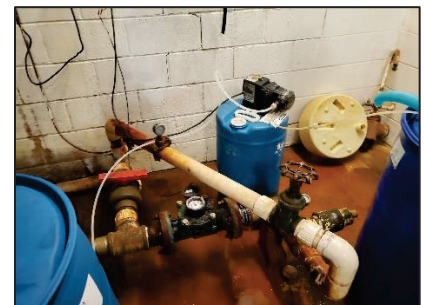


Figure 28 - Chem Feed Station

#### 4. Relief Valve

*Description of issue:* The relief valve in the pump station is not tapped to outside

*Proposed corrective action:* Tap the relief valve to outside the pump station.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$4,400



**TECHNICAL MEMORANDUM****5. Building Interior Lighting**

*Description of issue:* The pump house is not well lit. Several lights are out.  
*Proposed corrective action:* Replace lights. Add more light fixtures if necessary.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$2,900

**6. No Exhaust Fan**

*Description of issue:* There is currently no exhaust fan to provide forced ventilation within the pump house.  
*Proposed corrective action:* An exhaust fan should be placed inside the pump house.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$3,200

**7. Ventilation Louvers**

*Description of issue:* The pump house currently only has one small louver for ventilation (See Figure 30)  
*Proposed corrective action:* More louvers should be added to the pump house to provide effective ventilation.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$2,700

**8. Repair Ceiling**

*Description of issue:* Part of the interior ceiling in the pump house is falling out (See Figure 31).  
*Proposed corrective action:* The pump house ceiling should be repaired.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,400

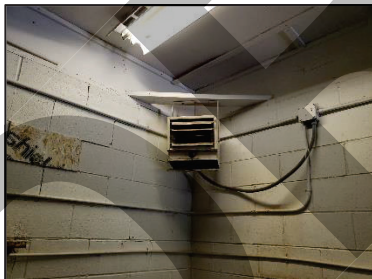


Figure 29 - Damaged Heater



Figure 30 - Small Vent



Figure 31 - Damaged Ceiling

**9. Door Damage**

*Description of issue:* The pump house doors have significant rust at the bottom and on the hinges (See Figure 32).  
*Proposed corrective action:* The doors house should be cleaned, and the hinges replaced.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,700

## TECHNICAL MEMORANDUM

### 10. Dirty Walls

*Description of issue:* The exterior walls of the pump house are dirty and have plant growth on them.

*Proposed corrective action:* The pump house exterior walls should be cleaned.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,800

### 11. Hydro Backwash Tank

*Description of issue:* The hydro backwash tank has rusted, particularly around the supports (See Figure 33).

*Proposed corrective action:* The hydro backwash tank should be cleaned and repainted.

*Priority ranking:* Medium.

*Estimated Cost to Fix:* \$3,200

### 12. Wooden Trim

*Description of issue:* The wooden trim on the exterior of the pump house is rotting and peeling (See Figure 34).

*Proposed corrective action:* The wooden trim should be repaired and repainted.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$2,700

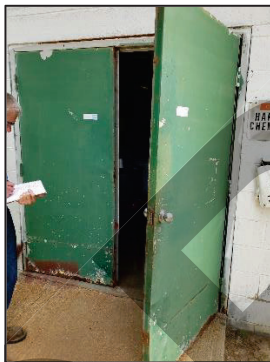


Figure 32 - Rusty Doors



Figure 33 - Rust on Tank

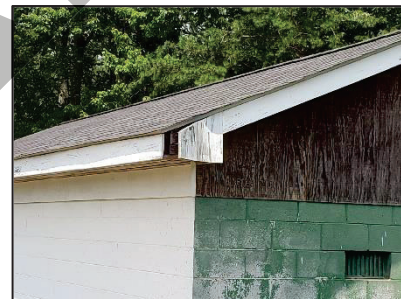


Figure 34 - Trim Damage

### 13. Damaged Blockwork

*Description of issue:* Some exterior blockwork of the pump house is damaged (See Figure 35).

*Proposed corrective action:* The damaged blockwork should be repaired.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,200

### 14. No Electrical Rack Awning

*Description of issue:* The outdoors electrical rack does not have an awning for protection (See Figure 36).

*Proposed corrective action:* An awning should be placed over the electrical rack.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,700

**TECHNICAL MEMORANDUM**

**15. Valve Vault Paint**

*Description of issue:* Paint is chipping on the pipes and valves in the vault, and some rust has formed (See Figure 37)  
*Proposed corrective action:* The pipes and valves in the vault should be cleaned and repainted.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$4,800



Figure 35 – Damaged Blockwork



Figure 36 - Electrical Rack



Figure 37 - Valve Vault

**16. Vault Walls and Floor**

*Description of issue:* The walls and floors in the valve vault are dirty (See Figure 37).  
*Proposed corrective action:* The walls and floors in the valve vault should be cleaned.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$900

**17. Vault Handrails**

*Description of issue:* There are no handrails in or around the valves vault (See Figure 37).  
*Proposed corrective action:* Handrails should be added in and around the vault.  
*Priority ranking:* High  
*Estimated Cost to Fix:* \$2,900

**WORK COMPLETED UNDER SYDNOR HYDRO CONTRACT**

In September 2021, Fluvanna county executed a contract with Sydnor Hydro, Inc. to complete a rehabilitation of the Morris and Omohundro WTP facilities. The following items were identified in the condition assessment as deficiencies in the Omohundro Well and WTP facility, but have been completed under the Sydnor Hydro, Inc. contract.

**1. Dirty Filters**

*Description of issue:* The filter tanks are dirty and in poor condition.  
*Proposed corrective action:* The filter tanks should be cleaned and repainted.

**2. Rusty Pipes**

*Description of issue:* There are rusty pipes throughout the pump house.  
*Proposed corrective action:* The rusty pipes should be cleaned and repainted.

**3. Broken Pressure Gauge**

## TECHNICAL MEMORANDUM

*Description of issue:* One of the pressure gauges on the filter piping is broken (See Figure 38).  
*Proposed corrective action:* The broken pressure gauge should be replaced

### 4. Severe Leak

*Description of issue:* There is a severe leak on the water meter in the pump house (See Figure 39).

*Proposed corrective action:* The leak should be repaired by replace the heavily rusted flanges and pipes around the meter. Recommend replacing the water meter as well.

### 5. No Link Seal

*Description of issue:* There are no link seals on pipes going through walls (See Figure 39).

*Proposed corrective action:* Install link seals on pipes going through walls.



Figure 38 - Broken Pressure Gauge

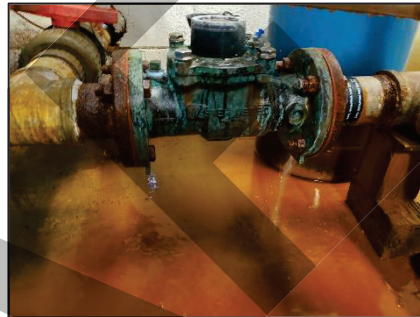


Figure 39 – Severe Leak

### 6. PVC Piping

*Description of issue:* Most of the piping in this facility is aging PVC.

*Proposed corrective action:* All above-ground aging PVC pipe should be replaced with new piping.

### 7. Dirt Mound

*Description of issue:* There is a dirt mound on the back wall of the pump house (See Figure 40).

*Proposed corrective action:* The dirt mound should be cleared.

### 8. Well Pump Brace

*Description of issue:* The well pump is poorly braced (See Figure 41).

*Proposed corrective action:* The well pump should be more effectively braced.

### 9. Well Housing Wood

*Description of issue:* The wood on the well housing has some minor chipping.

*Proposed corrective action:* Damaged pieces of the well housing should be replaced.

### 10. Well Housing Junction Box

*Description of issue:* Wires are loosely hanging in the well housing without any sort of junction box (See Figure 42).

*Proposed corrective action:* The wires in the well housing should be placed in a junction box.



TECHNICAL MEMORANDUM



Figure 40 – Dirt Mount



Figure 41 - Well Pump Bracing



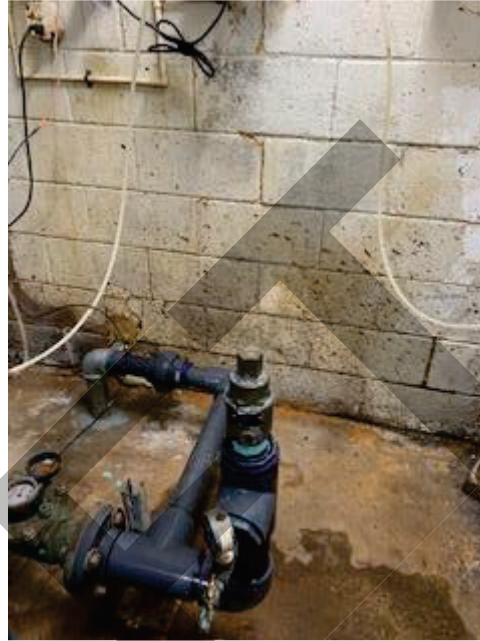
Figure 42 - Loose Wires in Well Housing

**Images of Completed Work**

The following images show the work completed by Sydnor at the time of writing.



TECHNICAL MEMORANDUM





TECHNICAL MEMORANDUM



**TECHNICAL MEMORANDUM**

**III: WEBER CITY WELL (NOT IN SERVICE)**

Facility Address: 2984 James Madison Hwy, Fork Union, VA, 23055  
Start-up Date: 2006  
Facility Type: Well House (Abandoned) and Elevated Storage Tank  
Estimated Repair Costs: \$11,000



Area Map



Location Map



## TECHNICAL MEMORANDUM

### Facility Description

The Weber City well is located on a lot near the intersection of James Madison Hwy. and Bowles Town Ln. This well is not currently in service. It consists of a small well house on the same lot as the Weber City Elevated Storage Tank. The abandoned well head is located just outside of the well house and has been disconnected.

#### 1. Valve Vault Paint

*Description of issue:* Paint is chipping on the pipes and valves in the vault, and some rust has formed (See Figure 43).

*Proposed corrective action:* The pipes and valves in the vault should be cleaned and repainted.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$4,800

#### 2. Vault Walls and Floor

*Description of issue:* The walls and floors in the valve vault are dirty (See Figure 43).

*Proposed corrective action:* The walls and floors in the valve vault should be cleaned.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$900

#### 3. Vault Handrails

*Description of issue:* There are no handrails in or around the valves vault (See Figure 43).

*Proposed corrective action:* Handrails should be added in and around the vault.

*Priority ranking:* High

*Estimated Cost to Fix:* \$2,900

#### 4. Uneven Concrete

*Description of issue:* The concrete of the valve vault is not even (See Figure 44).

*Proposed corrective action:* The valve vault concrete should be regraded.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,400



Figure 43 - Valve Vault

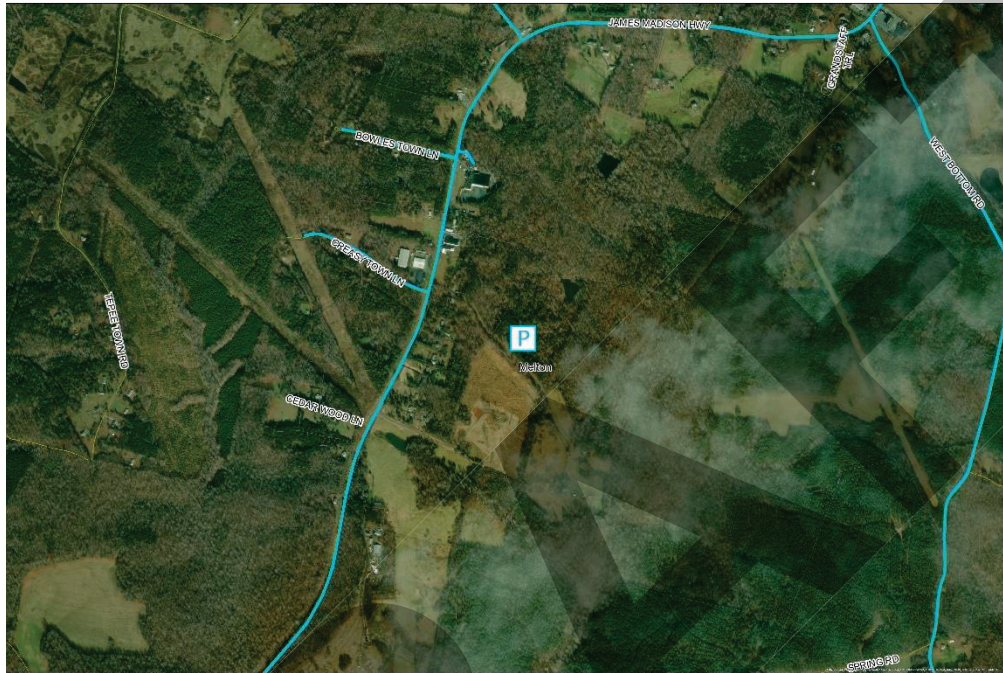


Figure 44 - Valve Vault Exterior

**TECHNICAL MEMORANDUM**

**IV: MELTON WELL**

Facility Address:	Rt 15, Fork Union, VA 23055
Start-up Date:	1982
Facility Type:	Well House
Estimated Repair Costs:	\$67,200



Area Map



Location Map



## TECHNICAL MEMORANDUM

### Facility Description

This site is located in a wooded area off of Rt. 15. The site consists of a pre-build shed housing the well pump, associated piping, and chemical feed system. The electrical boxes are outside the building on an electrical rack. The Melton well is typically only activated by the County under emergency circumstances.

#### 1. Concrete Base Cracks

*Description of issue:* Cracks have begun to form in the concrete base of the well house (See Figure 45).

*Proposed corrective action:* The cracks in the concrete base should be repaired.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,800

#### 2. Rotten Walls

*Description of issue:* The lower walls are rotten in several places (See Figure 46).

*Proposed corrective action:* The rotten panels should be replaced

*Priority ranking:* Low

*Estimated Cost to Fix:* \$32,300

#### 3. Roof Moss Growth

*Description of issue:* Moss is currently growing on the roof (See Figure 47).

*Proposed corrective action:* The roof should be cleared of moss and cleaned.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,800



Figure 45 - Concrete Base Cracks



Figure 46 - Wall Damage

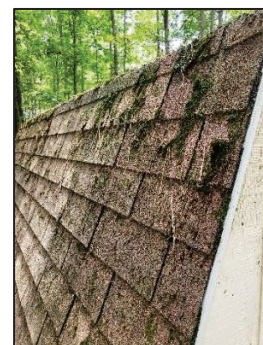


Figure 47 - Moss on Roof

#### 4. No Electrical Rack Awning

*Description of issue:* The outdoors electrical rack does not have an awning for protection (See Figure 48).

*Proposed corrective action:* An awning should be placed over the electrical rack.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$3,500

#### 5. Electrical Box Rust

*Description of issue:* The electronics box has substantial rust formation (See Figure 48).

*Proposed corrective action:* The electrical box should be cleaned and repainted.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,400

**TECHNICAL MEMORANDUM****6. Power Line**

*Description of issue:* The power line is close to trees and branches. Were any trees to fall in a storm the line would likely be damaged (See Figure 49).

*Proposed corrective action:* Trees around the line should be cleared from around the power line or the line should be moved underground.

*Priority ranking:* High

*Estimated Cost to Fix:* \$18,800

**7. No Ventilation Fan**

*Description of issue:* There is currently no fan to provide forced ventilation within the well house.

*Proposed corrective action:* A ventilation fan should be placed inside the pump house.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,700

**8. Minor Leaks**

*Description of issue:* There are minor leaks in the well piping (See Figure 50).

*Proposed corrective action:* The leaks should be repaired.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$3,200



Figure 48 - Electrical Box

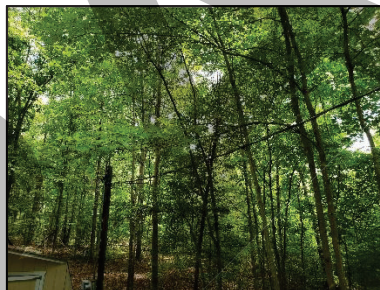


Figure 49 - Power Line

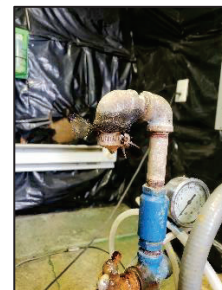


Figure 50 - Leak

**9. Broken Drain Cover**

*Description of issue:* The drain cover is broken (See Figure 51).

*Proposed corrective action:* The drain cover should be replaced.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$700



Figure 51 - Broken Drain Cover



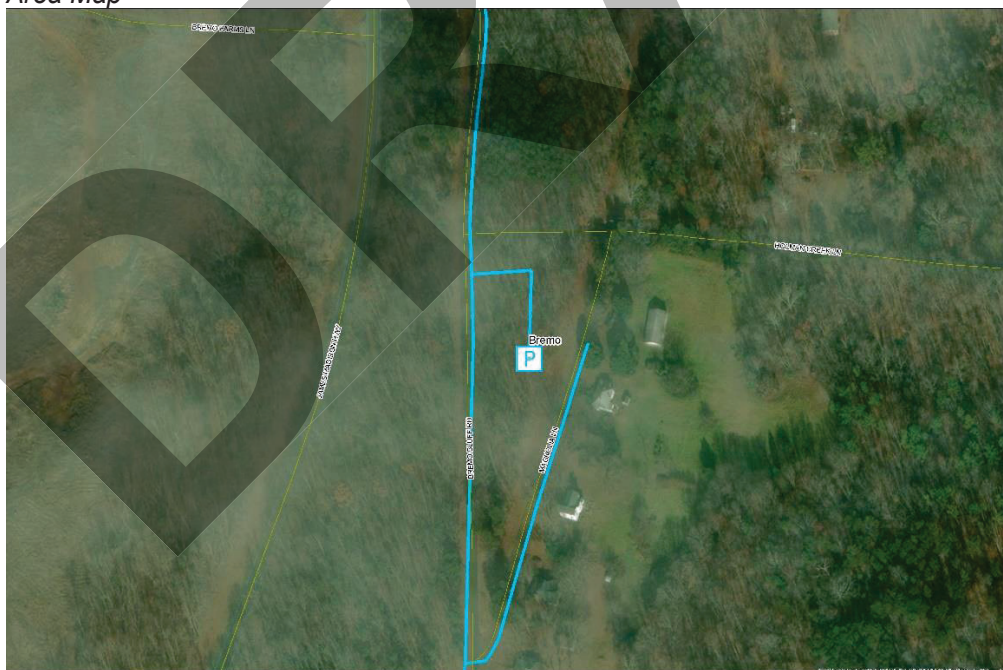
**TECHNICAL MEMORANDUM**

**V: BREMO WELL**

Facility Address: Rt 666, BreMO Bluff, VA 23022  
Start-up Date: 1990  
Facility Type: Well House  
Estimated Repair Costs: \$18,100



*Area Map*



*Location Map*

## TECHNICAL MEMORANDUM

### Facility Description

The Bremono well is located near the intersection of Bremono Bluff Rd. and Magnolia Ln. This site consists of a small blockwork building housing most of the well piping and equipment. The well head is housed in a small, insulated wooden enclosure near the door. The electrical panels are housed in a separate room from the well piping on the side of the building.

#### 1. Roof Trim

*Description of issue:* The roof trim is damaged in several places (See Figure 52).  
*Proposed corrective action:* The damaged roof trim should be replaced.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$2,200

#### 2. Dirty Walls

*Description of issue:* The exterior walls of the well house are dirty and have plant growth on them (See Figure 52).  
*Proposed corrective action:* The well house exterior walls should be cleaned.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,200

#### 3. Tin Roof Rust

*Description of issue:* The tin roof has rusted (See Figure 53).  
*Proposed corrective action:* The rust should be cleaned from the tin roof.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$3,800

#### 4. Blow Off Screen

*Description of issue:* Bees were seen entering the blow off pipe through the screen outside the well house (See Figure 54).  
*Proposed corrective action:* A new, smaller screen should be placed on the blow off.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$700



Figure 52 - Trim Damage



Figure 53 - Tin Roof Rust



Figure 54 - Blow Off

**TECHNICAL MEMORANDUM****5. Rotting Doors**

*Description of issue:* The doors of the well house are rotting (See Figure 55).  
*Proposed corrective action:* The rotting doors should be replaced.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$4,400

**6. Poor Lighting**

*Description of issue:* Lighting is poor inside the well house (See Figure 56).  
*Proposed corrective action:* Another light should be added to the interior of the well house.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$2,400

**7. Taped Louvers**

*Description of issue:* The ventilation louvers in the well house are taped shut (See Figure 57).  
*Proposed corrective action:* The ventilation louvers should be replaced if not functioning correctly.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$1,800



Figure 55 - Rotting Door

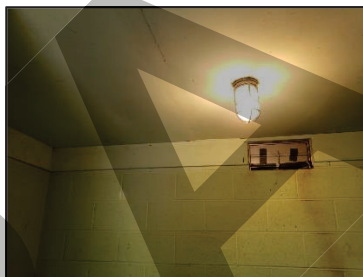


Figure 56 - Lighting

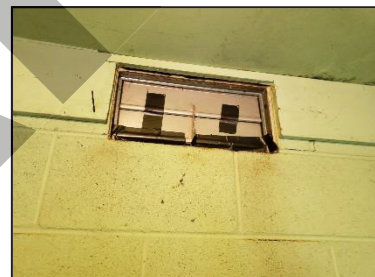


Figure 57 - Louvers

**8. Electrical Box Cover**

*Description of issue:* The electrical box does not have a cover, leaving wiring exposed (See Figure 58).  
*Proposed corrective action:* A cover should be placed over the electrical box.  
*Priority ranking:* High  
*Estimated Cost to Fix:* \$700

**9. Threaded Sample Taps**

*Description of issue:* Sample taps in the well house are threaded.  
*Proposed corrective action:* The threaded sample taps in the well house should be replaced with unthreaded sample taps.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$900



TECHNICAL MEMORANDUM

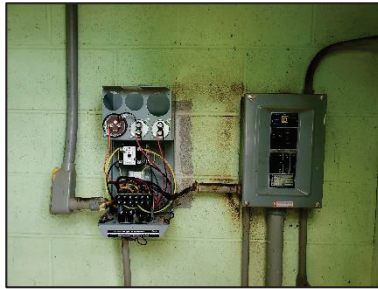


Figure 58 - Electrical Box

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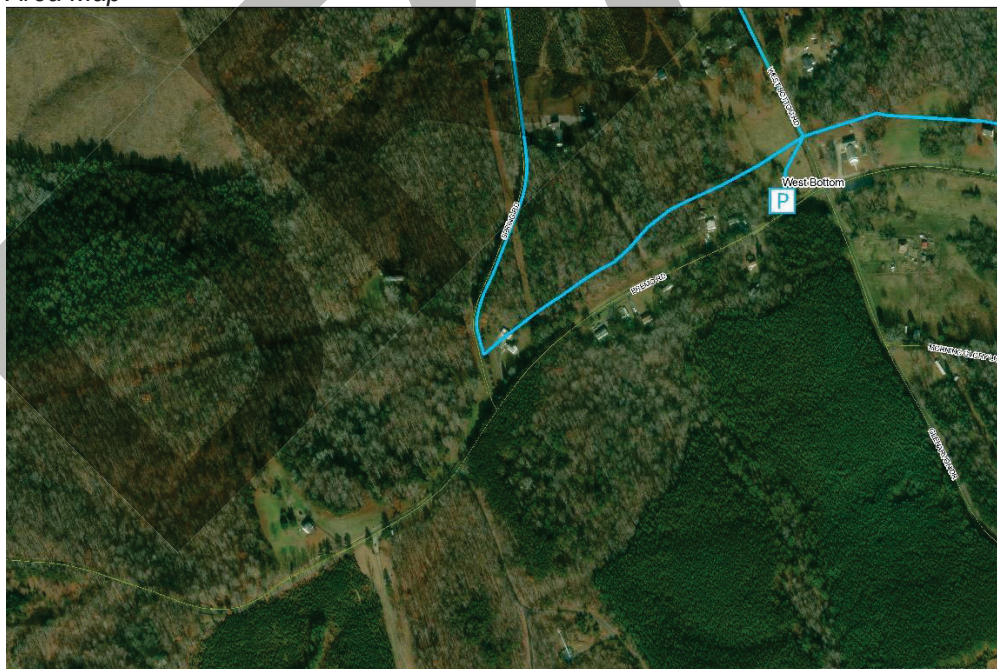
**TECHNICAL MEMORANDUM**

**VI: WEST BOTTOM WELL**

Facility Address: 2622 Bremo Rd, Bremo Bluff, VA 23022  
Start-up Date: 1990  
Facility Type: Well House  
Estimated Repair Costs: \$69,900



*Area Map*



*Location Map*

**TECHNICAL MEMORANDUM****Facility Description**

This well is located in the woods near the intersection of Breomo Rd. and West Bottom Rd. The well house is a prefabricated structure with the well, piping and chemical feed system stored inside. Electrical panels are located on a rack outside the building.

**1. Concrete Base Cracks**

*Description of issue:* Cracks have begun to form in the concrete base of the well house (See Figure 59).

*Proposed corrective action:* The cracks in the concrete base should be repaired.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,800

**2. Rotten Walls**

*Description of issue:* The lower walls are rotten in several (See Figure 59).

*Proposed corrective action:* The rotten panels should be replaced

*Priority ranking:* Low

*Estimated Cost to Fix:* \$32,300

**3. Damaged Roof**

*Description of issue:* The roof is damaged and has moss growth (See Figure 60).

*Proposed corrective action:* The roof should be repaired and cleaned.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,800

**4. Power Line**

*Description of issue:* The power line is close to trees and branches. Were any trees to fall in a storm the line would likely be damaged (See Figure 61).

*Proposed corrective action:* Trees around the line should be cleared from around the power line or the line should be moved underground.

*Priority ranking:* High

*Estimated Cost to Fix:* \$18,800



Figure 59 - Building Damage



Figure 60 - Roof

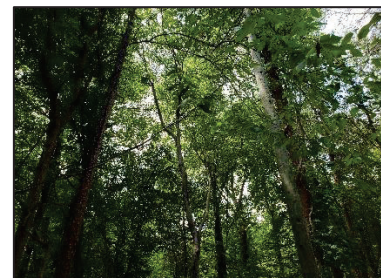


Figure 61 - Power Line

**5. Concrete Slab Sinking Down**

*Description of issue:* The concrete slab base on the well house is sinking down.

*Proposed corrective action:*

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$8,700



## TECHNICAL MEMORANDUM

### 6. No Electrical Rack Awning

*Description of issue:* The outdoors electrical rack does not have an awning for protection (See Figure 62).

*Proposed corrective action:* An awning should be placed over the electrical rack.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$1,300

### 7. No Ventilation Fan

*Description of issue:* There is currently no fan to provide forced ventilation within the well house.

*Proposed corrective action:* A ventilation fan should be placed inside the pump house.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,700

### 8. Rotten Shelves

*Description of issue:* The shelves inside the well house are rotting and in danger of falling (See Figure 63).

*Proposed corrective action:* Replace the rotten shelves.

*Priority ranking:* High

*Estimated Cost to Fix:* \$900

### 9. Poor Lighting

*Description of issue:* Lighting is poor inside the well house.

*Proposed corrective action:* Another light should be added to the interior of the well house.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$700

### 10. Threaded Sample Taps

*Description of issue:* Sample taps in the well house are threaded.

*Proposed corrective action:* The threaded sample taps in the well house should be replaced with unthreaded sample taps.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$900



Figure 62 - Electrical Box



Figure 63 - Rotten Shelf

**TECHNICAL MEMORANDUM**

**VII: OWENS WELL**

Facility Address: 4308 James Madison Hwy, Fork Union, VA 23055  
Start-up Date: 1990  
Facility Type: Well House  
Estimated Repair Costs: \$21,100



Area Map



Location Map



**TECHNICAL MEMORANDUM****Pump Station Description**

This well is located near a shopping center on James Madison Hwy. between West Bottom Rd. and Academy Rd. The well house is a prefabricated structure with the well pump, piping, electrical equipment and chemical feed system stored inside.

**1. Tree Branches**

*Description of issue:* Branches from a nearby tree are hitting the side of the well house (See Figure 64).

*Proposed corrective action:* The tree should be trimmed so that the branches do not hit the well house.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,200

**2. Slab Heaving**

*Description of issue:* The concrete slab base of the well house is heaving.

*Proposed corrective action:*

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$8,700

**3. Roof Shingles**

*Description of issue:* The roof shingles are peeling (See Figure 65).

*Proposed corrective action:* Replace the roof shingles.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$2,400

**4. Blow Off Screen**

*Description of issue:* The blow off currently does not have a screen, allowing insect/animal access (See Figure 66).

*Proposed corrective action:* The blow off should be screened with mesh wire.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$700

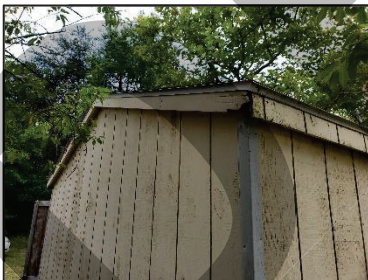


Figure 64 - Tree Branches



Figure 65 - Roof Shingle Peeling



Figure 66 - Blow Off

**5. Wall Paneling**

*Description of issue:* The wall paneling is rotting near the bottom and there is damage to the panels (See Figure 67).

*Proposed corrective action:* The damaged wall panels should be replaced.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$900

**TECHNICAL MEMORANDUM****6. No Ventilation Fan**

*Description of issue:* There is currently no fan to provide forced ventilation within the well house.  
*Proposed corrective action:* A ventilation fan should be placed inside the pump house.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$2,700

**7. Rotten Shelves**

*Description of issue:* The shelves inside the well house are rotting and in danger of falling (See Figure 68).  
*Proposed corrective action:* Replace the rotten shelves.  
*Priority ranking:* High  
*Estimated Cost to Fix:* \$900

**8. Electrical Box Cover**

*Description of issue:* The electrical box does not have a cover, leaving wiring exposed.  
*Proposed corrective action:* A cover should be placed over the electrical box (See Figure 69).  
*Priority ranking:* High  
*Estimated Cost to Fix:* \$1,800



Figure 67 - Wall Damage



Figure 68 - Rotten Shelf



Figure 69 - Electrical Box

**9. Loose Wiring**

*Description of issue:* There is loose wiring in the well house (See Figure 70).  
*Proposed corrective action:* The loose wiring should be placed into a junction box to protect it.  
*Priority ranking:* High  
*Estimated Cost to Fix:* \$900

**10. Threaded Sample Taps**

*Description of issue:* Sample taps in the well house are threaded (See Figure 71).  
*Proposed corrective action:* The threaded sample taps in the well house should be replaced with unthreaded sample taps.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$900

TECHNICAL MEMORANDUM



Figure 70 - Loose Wiring



Figure 71 - Threaded Sample Tap

DRAFT



**TECHNICAL MEMORANDUM**

**Wastewater Facilities**

**I. CARYSBROOK WWTP**

Facility Address: 131 Carysbrook Rd, Fork Union, VA 23055  
Start-up Date: 2012  
Station Type: Wastewater Treatment Plant  
Estimated Repair Costs: \$54,500



*Area Map*



*Location Map*



## TECHNICAL MEMORANDUM

### Treatment Plant Description

The Carysbrook Wastewater Treatment plant is owned by Fluvanna County Public Schools and operated by Fluvanna County Department of Public Works. The facility is located near the bus depot behind Carysbrook Elementary School. This facility utilizes a Contech Magellan system.

#### 1. Bolt Down Tops

*Description of issue:* The vault tops are not bolted down and several vaults were open. This could cause a tripping hazard (See Figure 72).

*Proposed corrective action:* The vault tops should be bolted down.

*Priority ranking:* High

*Estimated Cost to Fix:* \$2,400

#### 2. Damaged Fence

*Description of issue:* The fence surrounding the plant is damaged in one corner (See Figure 73).

*Proposed corrective action:* The damaged fence should be replaced (See next item).

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$2,400

#### 3. Higher Fences

*Description of issue:* The fencing surrounding the plant appears to be 6' tall and does not have barbed wire (See Figure 74).

*Proposed corrective action:* Fencing should be heightened to 8' and barbed wire should be added on top.

*Priority ranking:* High

*Estimated Cost to Fix:* \$19,800



Figure 72 – Vault Tops



Figure 73 – Fence Damage

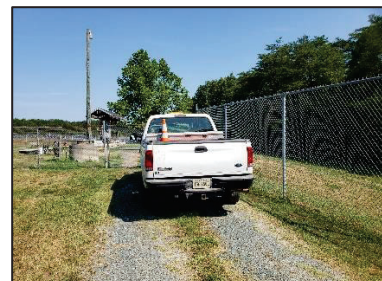


Figure 74 - Fences

#### 4. Backfill Under Slab

*Description of issue:* The area under the slab housing the blowers is improperly backfilled (See Figure 75).

*Proposed corrective action:* The slab should be securely backfilled.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$2,300

**TECHNICAL MEMORANDUM****5. Damaged Top**

*Description of issue:* One of the vault tops has sustained some damage (See Figure 76).  
*Proposed corrective action:* The broken top should be replaced.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$1,200

**6. Effluent Grating**

*Description of issue:* The grating over the effluent pump station is in poor condition. (See Figure 77).  
*Proposed corrective action:* The grating should be removed, and the area should be backfilled with 3' of sand and a precast manhole should be installed.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$20,800



Figure 75 - Slab



Figure 76 - Damaged Top



Figure 77 - Effluent Grating

**7. UV System Grating**

*Description of issue:* The UV system does not have any grating over it and is a potential fall hazard (See Figure 78).  
*Proposed corrective action:* Grating should be placed over the UV system.  
*Priority ranking:* High  
*Estimated Cost to Fix:* \$2,200

**8. Junction Boxes**

*Description of issue:* Several junction boxes have become weathered and rusty (See Figure 79).  
*Proposed corrective action:* Junction boxes should be replaced with NEMA 4X rated enclosures.  
*Priority ranking:* Low  
*Estimated Cost to Fix:* \$3,400

TECHNICAL MEMORANDUM



Figure 78 - UV System



Figure 79 - Rusty Junction Box

DRAFT



**TECHNICAL MEMORANDUM**

**II. CENTRAL WWTP**

Facility Address: 3301 Central Plains Rd, Palmyra, VA 22963  
Start-up Date: 1999  
Station Type: Wastewater Treatment Plant  
Estimated Repair Costs: \$104,300



*Area Map*



*Location Map*



## TECHNICAL MEMORANDUM

### Treatment Plant Description

The Central Wastewater Treatment Plant is located off Central Plains Rd. behind the Fluvanna Middle School. The WWTP is owned by Fluvanna County Public Schools and operated by Fluvanna County Department of Public Works.

#### 1. Chem Barrel Containment

*Description of issue:* Several chemical barrels were being stored on the grassy area within the plant (See Figure 80).

*Proposed corrective action:* A containment area should be built for the chem barrel storage.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$3,400

#### 2. Rusty, Damaged, and Missing Grating

*Description of issue:* Grating in some areas of the facility has rusted or been damaged (See Figure 81). Grating is missing in some locations.

*Proposed corrective action:* Grating should be replaced (Recoating and new grating for this station is already in the works).

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$9,500

#### 3. Shrubs on Fence

*Description of issue:* Plants have grown along the fencing (See Figure 82).

*Proposed corrective action:* The plants on the fencing should be removed.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,400



Figure 80 - Chem Barrels



Figure 81 - Grating Issues



Figure 82 - Foliage on Fence

#### 4. Fence Gap

*Description of issue:* There is a gap between the bottom of the fence and the ground large enough for animals to get through (See Figure 83).

*Proposed corrective action:* The bottom of the fence should be lowered to remove the gap.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$5,000

**TECHNICAL MEMORANDUM**

**5. Blower and Enclosure**

*Description of issue:* One blower enclosure is in very poor condition and appears to be unstable (See Figure 84). The blower also appeared to be near the end of its useful life.

*Proposed corrective action:* The blower housing should be replaced. A new blower is recommended as well.

*Priority ranking:* High

*Estimated Cost to Fix:* \$11,800

**6. Heaters**

*Description of issue:* Five (5) of the six (6) heaters in the plant are inoperable (See Figure 85).

*Proposed corrective action:* The inoperable heaters should be replaced. The working heater should be replaced if needed.

*Priority ranking:* High

*Estimated Cost to Fix:* \$71,400



Figure 83 - Fence Gap



Figure 84 - Blower and Housing



Figure 85 - Broken Heater

**7. Shed Roof**

*Description of issue:* The shed roof is in poor condition and has damaged shingles (See Figure 86).

*Proposed corrective action:* The shed roof should be replaced.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,800



Figure 86 - Damaged Roof



**TECHNICAL MEMORANDUM**

**III: PALMYRA AREA WWTP**

Facility Address: 12964 James Madison Hwy, Palmyra, VA 22963  
Start-up Date: 2007  
Station Type: Wastewater Treatment Plant  
Estimated Repair Costs: \$35,200



*Area Map*



*Location Map*

## TECHNICAL MEMORANDUM

### Facility Description

The Palmyra Wastewater Treatment plant is owned and operated by the Fluvanna County Department of Public Works. It is located off James Madison Hwy. near the intersection with Thomas Jefferson Pkwy. The WWTP is rated for 40,000 gallons per day with an outfall in the Rivanna River.

#### 1. Rusted Pipe

*Description of issue:* There is a heavily rusted pipe on the air line (See Figure 87).

*Proposed corrective action:* The pipe should be replaced.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$1,300

#### 2. Backup Generator Rust

*Description of issue:* The backup generator and fuel tank have lightly rusted (See Figure 88).

*Proposed corrective action:* The backup generator and tank should be recoated.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$2,200

#### 3. Shed

*Description of issue:* The storage shed is in very poor condition. The walls are damaged, and the roof has partially collapsed (See Figure 89).

*Proposed corrective action:* The shed should be demolished.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$9,500



Figure 87 - Rusted Pipe

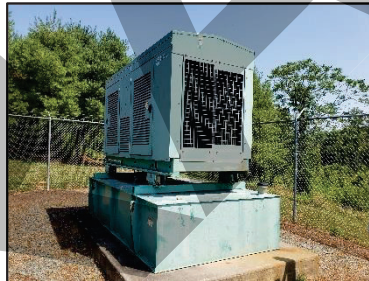


Figure 88 - Generator



Figure 89 - Shed

#### 4. Junction Boxes and Conduits

*Description of issue:* The junction boxes and conduits near the valve vault are in poor condition (See Figure 90).

*Proposed corrective action:* The junction boxes and conduits should be replaced with NEMA 4X enclosures to properly protect the wiring.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$1,900

#### 5. Valve Vault Piping

*Description of issue:* The piping and valves in the valve vault are dirty and rusted (See Figure 91).

*Proposed corrective action:* The pipes and valves in the valve vault should be cleaned and recoated.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$5,800



**TECHNICAL MEMORANDUM****6. Air Release Valves**

*Description of issue:* The air release valves are heavily rusted (See Figure 92).  
*Proposed corrective action:* The rusted air relief valves should be replaced up to the header.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$9,500



Figure 90 - Junction Boxes



Figure 91 - Valve Vault



Figure 92 - Air Release Valve

**7. Chem Barrel Containment**

*Description of issue:* The chemical barrels are not stored in any type of containment structure (See Figure 93).  
*Proposed corrective action:* A containment area should be constructed for the chemical barrels.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$2,800

**8. Effluent Level Sensor**

*Description of issue:* The plant effluent does not have an ultrasonic level sensor (See Figure 94).  
*Proposed corrective action:* An ultrasonic level sensor should be installed at the plant effluent.  
*Priority ranking:* Medium  
*Estimated Cost to Fix:* \$2,200

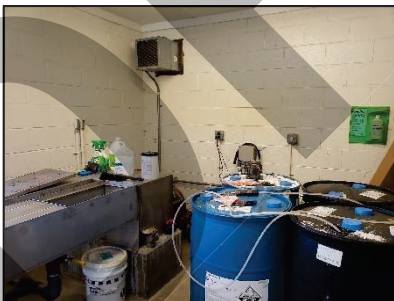


Figure 93 - Chem Barrels



Figure 94 - Effluent

**TECHNICAL MEMORANDUM**

**IV: PALMYRA SEWAGE PUMP STATION #1**

Facility Address: 13444 James Madison Hwy, Palmyra, VA 22963  
Start-up Date: 2007  
Station Type: Wastewater Pump Station  
Estimated Repair Costs: \$51,700



Area Map



Location Map



## TECHNICAL MEMORANDUM

### Pump Station Description

The Palmyra wastewater pump station consists of electrical fixtures under an awning and a generator housed within a fence near the road, and a concrete wet well and valve vault downhill. The wet well houses 2 submersible wet-pit pumps.

#### 1. Generator Rust

*Description of issue:* The generator has minor rust (See Figure 95).

*Proposed corrective action:* The generator should be recoated.

*Priority ranking:* Low

*Estimated Cost to Fix:* \$2,200

#### 2. Junction Boxes

*Description of issue:* The junction boxes in the flood plain are not watertight (See Figure 96).

*Proposed corrective action:* The junction boxes should be replaced with NEMA6 watertight enclosures to protect from flooding.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$1,900

#### 3. Vent Location

*Description of issue:* The wet well vent is too close to the electrical fixtures (See Figure 97).

*Proposed corrective action:* The wet well vent should be rerouted away from the electrical fixtures, outside the fence.

*Priority ranking:* Medium

*Estimated Cost to Fix:* \$8,700



Figure 95 - Generator



Figure 96 - Junction Boxes



Figure 97 - Vent

#### 4. Bypass Connection

*Description of issue:* There is not bypass connection for this pump station, necessitating full shutdown for work to be done.

*Proposed corrective action:* A bypass pump connection should be installed

*Priority ranking:* High

*Estimated Cost to Fix:* \$38,900

## TECHNICAL MEMORANDUM

### Water Facilities Budget Cost Estimates

Budgetary level cost estimates were developed for the improvements recommended for each water facility as shown in the table below.

#### Water Facilities Budgetary Cost Estimates Summary

Facility No.	Name	Low Priority Costs	Medium Priority Costs	High Priority Costs	Total Estimated Cost
1	Morris Well & WTP	\$42,700	\$28,100	\$2,200	\$73,000
2	Omohundro Well & WTP	\$94,600	\$35,200	\$21,700	\$151,500
3	Weber City Well	\$5,700	\$2,400	\$2,900	\$11,000
4	Melton Well	\$36,600	\$11,800	\$18,800	\$67,200
5	Bremo Well	\$15,600	\$1,800	\$700	\$18,100
6	West Bottom Well	\$37,500	\$12,700	\$19,700	\$69,900
7	Owens Well	\$6,100	\$11,400	\$3,600	\$21,100
<b>Total Costs</b>		<b>\$238,800</b>	<b>\$103,400</b>	<b>\$69,600</b>	<b>\$411,800</b>

### Wastewater Facilities Budget Cost Estimates

Budgetary level cost estimates were developed for the improvements recommended for each wastewater facility as shown in the table below.

#### Wastewater Facilities Budgetary Cost Estimates Summary

Facility No.	Name	Low Priority Costs	Medium Priority Costs	High Priority Costs	Total Estimated Cost
1	Carysbrook WWTP	\$6,900	\$23,200	\$24,400	\$54,500
2	Central WWTP	\$3,200	\$17,900	\$83,200	\$104,300
3	Palmyra WWTP	\$9,900	\$25,300	\$0	\$35,200
4	Palmyra WWPS	\$2,200	\$10,600	\$38,900	\$51,700
<b>Total Costs</b>		<b>\$22,200</b>	<b>\$77,000</b>	<b>\$146,500</b>	<b>\$245,700</b>

### Condition Assessment Conclusions and Recommendations

Based on the results of this analysis, significant effort will be required to recondition the County's water and wastewater facilities. In order to assist in prioritizing upgrades and in order to spread the costs over a longer period, the facility improvements are categorized based on criticality of the deficiencies of each facility. Generally, higher priority was given to facilities that were older and/or had safety, reliability, or operational issues. Additionally, the facility service area was given consideration in the prioritization.



## TECHNICAL MEMORANDUM

### Asset Management Program

These improvements are intended to guide the County through the planning period with a proactive and balanced approach to combat aging infrastructure. In order to evaluate each renewal and replacement (R&R) project in greater detail, more data collection and analysis is needed.

#### Objective

Fluvanna County desires to identify and prioritize condition assessment, and renewal and replacement efforts in water distribution system. As part of the County's Water System Desktop Evaluation, a plan of action was developed to recommend long term, ongoing system rehabilitation and maintenance activities. The plan includes projects to meet immediate needs as well as a future rehabilitation strategy. The plan also presents a mechanism for the County to regularly update their current and future rehabilitation priorities. Regular system evaluation will help the County to continuously reinvest in their assets and help to provide the level of service that meets customer expectations and regulatory requirements. The purpose of this section is to describe the approach that were used to set priorities for Water system condition assessment and rehabilitation as it was applied to the County's water service area.

To identify the immediate R&R needs and establish a framework for continuing future rehabilitation strategy, the distribution system was evaluated based on condition (Likelihood of Failure - LoF) and criticality (Consequence of Failure - CoF). The primary purpose of this prioritization is to assign suitable levels of resources to inspect, maintain and rehabilitate parts of the distribution system. Simultaneous investigation and rehabilitation of the distribution system is cost-prohibitive for most utilities. A suitable use of finite resources is to focus immediate rehabilitation on areas of the system with higher priorities and to monitor areas that are lower priority. In addition to this short-term plan, it is important to create a long-term rehabilitation strategy that can be updated regularly and leads to a phased rehabilitation for the system components. The primary goal of the long-term rehabilitation strategy is to be proactive in identifying potential problems and addressing them before any adverse impacts are caused.

Dewberry established a Business Risk Exposure (Risk) matrix to quantify risk by utilizing Consequence of Failure (CoF) and Likelihood of Failure (LoF) models and determined a prioritized list of critical infrastructure. Ultimately this list of assets and scoring criteria can be used as a decision support system.

#### Methodology

With the input from county utilities staff, we developed categories, subcategories, and weighting criteria for both LoF and CoF factors in order to determine the risk associated with each asset. This approach was designed to review risk assessment methodologies, criticality model design as it relates to LoF and CoF under the EPA's Effective Utility Management Framework. Various categories were prioritized for the criticality model input, for both LoF and CoF. Each category was assigned a weighting percentage (CW) based on their relative importance with all category weights equaling 100%. The categories were broken down into criteria and each criterion was assigned its own weight (W). Finally, each criterion was further broken down into sub-criteria and various scores (S) was applied to each sub-criterion based on the likelihood or consequence of failure. The final Criteria scoring was then calculated as  $CW \times W \times S$ . The total maximum score that was assigned to any one asset is 1,000.

Tables 1 through 3 describe the development of LoF & CoF Models in detail.

**TECHNICAL MEMORANDUM**
*Table 1: Likelihood of Failure*

Likelihood of Failure (LoF) Model							
Category	Category Weight (CW)	Criteria	Criteria Weight (W)	Criteria Breakdown	Score (S)	Criteria Score (CW x W x S)	Max Category Score
Asset Attributes	60	Material	50%	Polyvinyl Chloride	4	120	240
				Ductile Iron Pipe	8	240	
		Age/Remaining Useful Life	50%	Age between 81 and 100% remaining useful life	2	60	300
				Age between 61 and 80% remaining useful life	4	120	
				Age between 41 and 60% remaining useful life	6	180	
				Age between 21 and 40% remaining useful life	8	240	
				Age less than 20% remaining useful life	10	300	
Known Hotspots	40	Operational Parameters	100%	Operating Pressures 90-150 psi	8	320	400
				Operating Pressures 40-90 psi	4	160	
				Operating Pressures < 40 psi	2	80	
				Operating Pressures > 150 psi and/or Flow Velocity > 6 ft./s	10	400	
						Total Max LoF Score	940

*Table 2: Scoring Criteria*

Score by Criteria	
Score	Description
2	Negligible
4	Unlikely
6	Possible
8	Likely
10	Very Likely

## TECHNICAL MEMORANDUM

*Table 3: Consequence of Failure*

Consequence of Failure (CoF) Model							
Category	Category Weight (CW)	Criteria	Criteria Weight (W)	Criteria Breakdown	Score (S)	Criteria Score (CW x W x S)	Max Category Score
Economic	35	Pipe Diameter	100%	≤ 6-inch	1	35	350
				8 to 10-inch (Includes 8- and 10-inch pipes)	2	70	
				12 to 20-inch (Includes 12, 16- and 20-inch pipes)	4	140	
				24 to 36-Inch (Includes 24, 30- and 36-inch pipes)	8	280	
				>40 Inch (Includes anything > 42-inch pipes)	10	350	
Transportation	20	Transportation Impact/ Cover Conditions	100%	>25' from any road	2	40	200
				Within 25' of any road (local, subdivision)	4	80	
				Within 26' to 100' of a railroad, planned railroad track station, bridge, or major road (US, CR, SR, Interstates)	7	140	
				Crosses or within 25' of any major road (US, CR, SR, identified City Road or Interstates), railroad, planned railroad track, or bridge.	10	200	
LoS	20	Level of Service Impact	100%	Operating Pressures > 85 psi	4	80	200
				Operating Pressures between 40-85 psi with a minimal impact on fire protection	2	40	
				Operating Pressures < 40 psi with significant effect on fire protection	10	200	
Infrastructure	25	Critical Infrastructure	100%	Proximity (0-100 ft.) to Tier 4 Critical Facilities (Churches)	1	25	250
				Proximity (0-100 ft.) to Tier 3 Critical Facilities (Schools)	4	100	
				Proximity (0-100 ft.) to Tier 2 Critical Facilities (Military Installations)	7	175	
				Proximity (0-100 ft.) to Tier 1 Critical Facilities (Emergency Response, Medical)	10	250	
						Total Max CoF Score	1000

## TECHNICAL MEMORANDUM

### Prioritization Based on LoF and CoF Scores

The combination of LoF and CoF scores determines the priorities for repair or replacement of system assets. This will provide the County with a plan for focusing the limited available resources and funding on the most immediate needs. The results are summarized in the recommended course of action in Table 4 which is a matrix showing the recommended course of action for each water system component.

*Table 4: Risk Matrix*

Priority		Criticality			
		1-3	4-6	7-8	9-10
Condition	9-10	Mid Priority Program Rehab	High Priority Program Rehab	Highest Priority Immediate Action	Highest Priority Immediate Action
	7-8	Low Priority	Frequent Condition Evaluation	Frequent Condition Evaluation	Highest Priority Immediate Action
	4-6	Low Priority	Regular Monitoring	Frequent Condition Evaluation	Frequent Condition Evaluation
	1-3	Low Priority	Regular Monitoring	Regular Monitoring	Regular Monitoring

### Significance

Current challenges in prioritizing assets can be addressed by identifying LoF & CoF factors that contribute to evaluating risk. Baselined Infrastructure GIS data, and existing Asset Management databases were used to develop a scalable business intelligence (BI) solution in ArcGIS i.e. a sustainable Risk based criticality model to prioritize assets. This BI solution automates the LoF & CoF scores assigned to the assets based on the set criteria defined by the county stakeholders. The Risk score is a combination of LoF and CoF scores that determines priorities for repairing or replacing the assets. The final output from the risk model identifies the immediate, short-term and long-term piping improvements for water pipes based on the prioritized Risk, which is a transformational improvement in the way utilities are managing their assets today. The following figures present the results for LoF, CoF and Risk across the waterlines.



# Fluvanna County - Waterline LoF

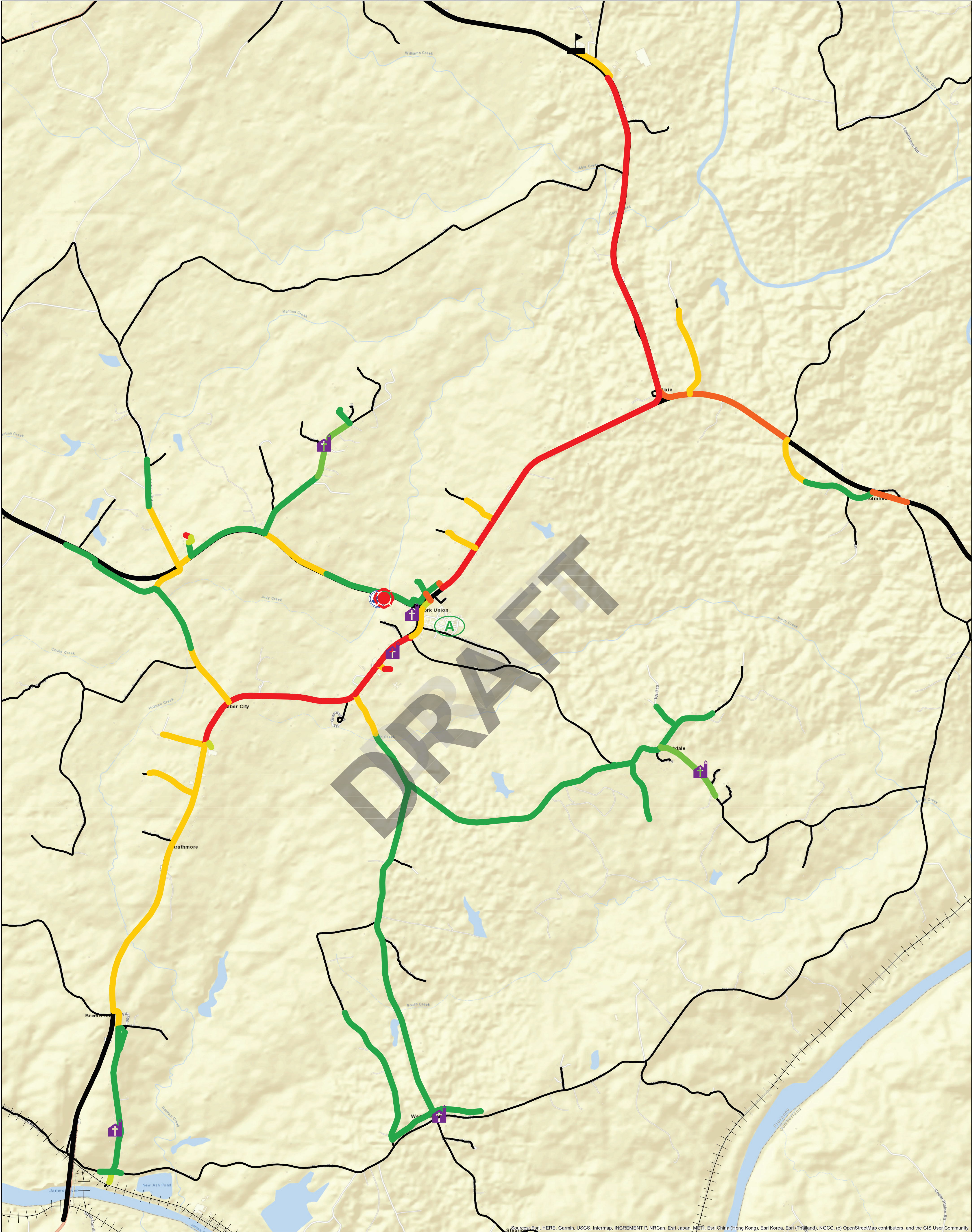


Waterlines	Buildings	Transportation
320	Ambulance	Major roads
400	Church	Minor roads
560	Military Academy	Railroads
640	School	
	Fire Station	

Fluvanna County's Likelihood of Failure (LoF) was calculated using waterline properties of pipe remaining useful life, material, and operating pressures.



# Fluvanna County - Waterline CoF

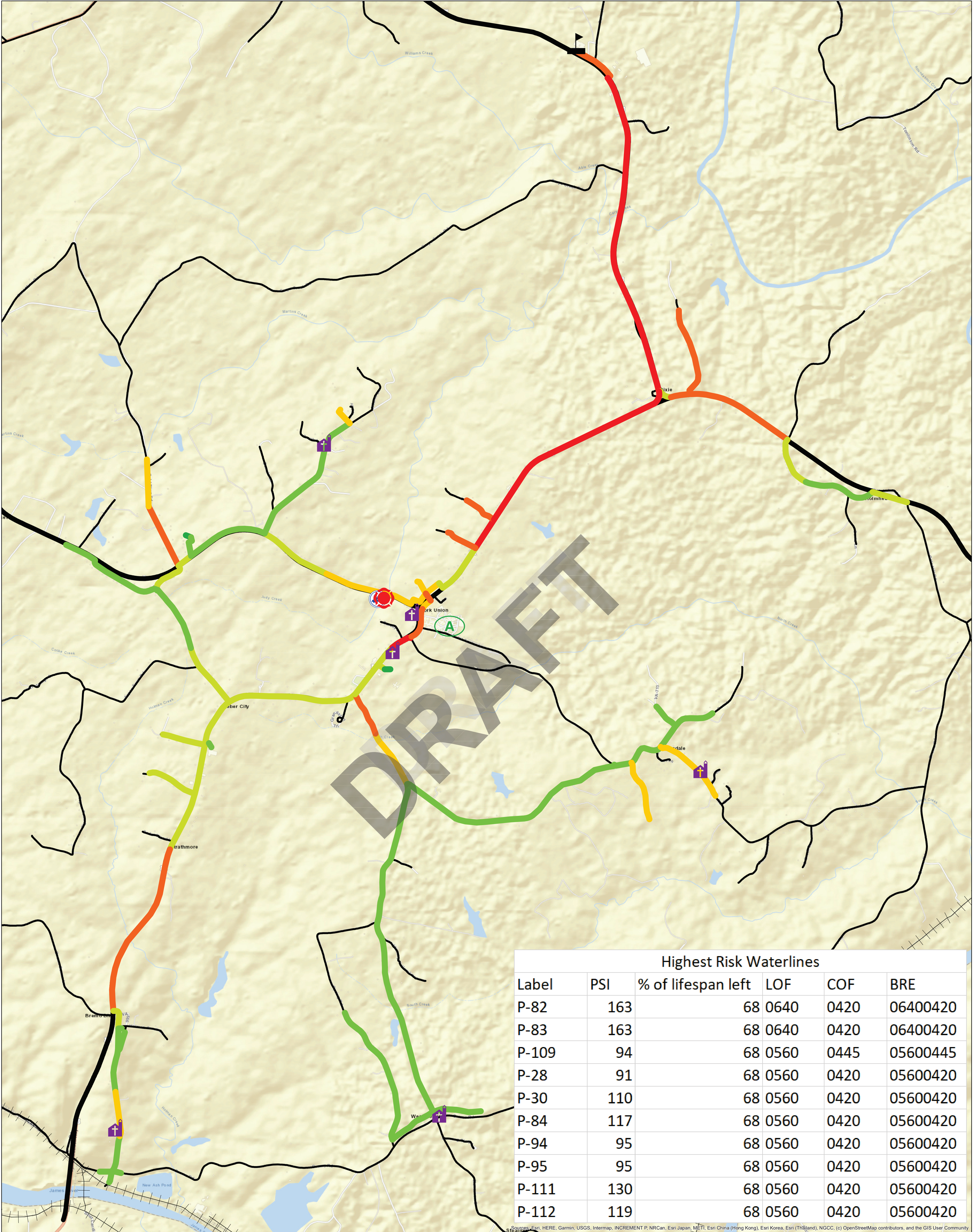


Waterlines	Buildings	Transportation
<span style="color: green;">█</span> 155 - 195	Ambulance	<span style="color: black;">█</span> Major roads
<span style="color: lightgreen;">█</span> 200 - 245	Church	<span style="color: black;">—</span> Minor roads
<span style="color: yellowgreen;">█</span> 250 - 295	Military Academy	<span style="color: black;">+++</span> Railroads
<span style="color: yellow;">█</span> 300 - 345	School	
<span style="color: orange;">█</span> 350 - 395	Fire Station	
<span style="color: red;">█</span> 400 - 445		

Fluvanna County's Consequence of Failure (CoF) was calculated using waterline properties of pipe diameter and operating pressures, proximity to critical building infrastructure (ambulance, military academies, schools, and fire stations), and transportation infrastructure.



# Fluvanna County - Waterline BRE



<p><b>Waterlines</b></p> <ul style="list-style-type: none"> <li><span style="color: green;">—</span> 03200430</li> <li><span style="color: lightgreen;">—</span> 03200435 - 04000260</li> <li><span style="color: yellow;">—</span> 04000265 - 04000445</li> <li><span style="color: orange;">—</span> 04000450 - 05600260</li> <li><span style="color: red;">—</span> 05600265 - 05600415</li> <li><span style="color: darkred;">—</span> 05600420 - 06400420</li> </ul>	<p><b>Buildings</b></p> <ul style="list-style-type: none"> <li> Ambulance</li> <li> Church</li> <li> Military Academy</li> <li> School</li> <li> Fire Station</li> </ul>	<p><b>Transportation</b></p> <ul style="list-style-type: none"> <li> Major roads</li> <li> Minor roads</li> <li> Railroads</li> </ul>
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Fluvanna County's Business Risk Exposure (BRE) is represented as the contatnation of the LoF and CoF scores. The top ten pipes for failure are represented in red. Note that there is a small section on Route 15 near Careby Ln. that is within these ranges.



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**TECHNICAL MEMORANDUM**

Embracing this path of enhanced asset management could yield system-wide improvements that reduce or eliminate data silos and streamline operations and maintenance. Ultimately making legacy information accessible and turning intelligence into actionable insights for decision-making.

**Conclusion**

Above analysis for criticality modeling and BI solution development can be achieved while harnessing existing data and legacy institutional knowledge. This scalable BI solution can be applied to any linear infrastructure asset such as water, wastewater, reclaimed water, storm water, and oil and natural gas systems for informed decision making. This solution provides necessary BI in making informed asset management decisions based on current conditions and available infrastructure data. This streamlined approach allows to leverage existing data repositories to support and improve linear infrastructure Asset Management, ultimately providing a plan to focus the limited available resources and funding on the most immediate needs.

**DRAFT**





PROJECT NO. 50112291

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# BILLING RATE AND CAPACITY FEE ANALYSIS

Fluvanna County, Virginia

APRIL 2022



**Dewberry**<sup>®</sup>

**SUBMITTED BY**

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## 1. Introduction

Dewberry conducted a rate analysis for Fluvanna County (County) to estimate revised rates that will be necessary to generate adequate revenue for payment of related new debt service and operational cost associated with each option identified in the Water and Sewer Master Plan. The following was included in this analysis:

1. Development of a rate model using existing user information, current rate structure(s).
2. Work with the County to establish desired rate proportioning (i.e. flat, descending, acceptable minimum user rates etc.), short lived assets, desired reserves and levels of acceptable risk associated with forecasting of new users.
3. Utilize CIP and R&R improvements recommended for implementation to develop debt service estimates, and additional associated operational cost.
4. Utilizing the rate model, derive new water and sewer rates for each feasible near-term build-out option.

## 2. Future Revenue from Current Customers

Using the 2020 fiscal year consumption report provided by Fluvanna County, the future revenue for the current customers was calculated. The customers were first broken down between water and sewer customers. Each customer's average monthly billed usage was calculated from a year of consumption data. These averages were then organized by intervals of 3000 gallons per month in order to consolidate data and simulate actual annual revenue. This model was calibrated and confirmed that the calculated annual revenue matched the current revenue produced by rates. The table of existing customers within the binned intervals is attached. The future billing rate structure was entered into the rate model to predict future annual revenue by existing customers. A comparison of the existing rates used to produce the base model and the approved rate increase used to predict the annual revenue is shown below.

Table 2.1 Rate Comparison

RATE COMPARISON				
	WATER BASE CHARGE	WATER USAGE FEE PER 1000 GALLONS	SEWER BASE CHARGE	SEWER USAGE FEE PER 1000 GALLONS
Current	\$21.00	\$11.00	\$11.00	\$7.65
Approved Increases	\$21.42	\$11.22	\$35.00	\$17.65

A 6% rate increase every 5 years was built into the model during the net revenue calculations. The table below shows the annual revenue for each 5-year interval.



Table 2.2 Net Revenue Calculations

NET REVENUE CALCULATIONS			
PHASE	WATER ANNUAL REVENUE	SEWER ANNUAL REVENUE	TOTAL ANNUAL REVENUE
Year 1-5	\$278,602.73	\$ 55,047.66	\$ 333,650.39
Year 6-10	\$295,318.89	\$ 58,350.52	\$ 353,669.42
Year 11-15	\$313,038.03	\$ 61,851.55	\$ 374,889.58
Year 16-20	\$331,820.31	\$ 65,562.65	\$ 397,382.96
Year 21-25	\$351,729.53	\$ 69,496.40	\$ 421,225.93
Year 26-30	\$372,833.30	\$ 73,666.19	\$ 446,499.49
Year 31-35	\$395,203.30	\$ 78,086.16	\$ 473,289.46

### 3. Source Capacity

Demand projections developed in the Master Plan that were used to determine capital improvement needs were also used for the rate analysis. The table below shows the source capacity used in all further calculations for each phase.

Table 3.1 Source Capacity

SOURCE CAPACITY	
PHASE YEARS	SOURCE CAPACITY (GPD)
Year 0-5	152,170
Year 5-10	350,528
Year 10-20	442,183

### 4. Availability Fees

A starting value for the water availability fee was calculated via a ratio and comparison to the Town of Louisa's water and sewer rates. Comparatively, Fluvanna's proposed water rate is 2.04 times higher than Louisa's, so this ratio was then applied to the water availability fee resulting in Fluvanna's preliminary availability fee of \$10,710. The water availability fee was then adjusted minutely in order to negate any debt from the Master Plan Capital Project Loans for the Water System after the application of County Subsidies. In all further calculations, an availability fee of \$10,710 was used per equivalent metering unit (EMU) for water. One EMU is equivalent to a residential customer. The increase in equivalent EMUs by meter size is shown in the next section.

This same method was used to determine a preliminary sewer availability fee with the ratio being 2.13. Fluvanna's preliminary sewer availability fee was estimated to be \$14,377. This value was again minutely adjusted to offset the Master Plan Capital Improvement Loans for the Wastewater System. These availability fees also have a 6% increase applied every 5 years for the duration of the rate analysis. In all further calculations, an availability fee of \$14,400 was used per EMU for sewer.

Table 4.1 Availability Fees

AVAILABILITY FEES	
UTILITY	PRICE PER EMU
Water	\$10,710
Sewer	\$14,400

### 5. Future Connections – Meter Sizes

The source capacity for each phase was divided by the estimated meter usage per EMU - 250 gallons per day. This value was used to obtain the maximum number of EMU’s that could be connected during each phase. When predicting the connections for each phase, this maximum allowable connection value was not exceeded. The maximum EMU connections for the total buildout is 1769 connections. Using the demand projections, the total number of each meter size was estimated for each phase. The estimations of meter connections for each phase is shown in the table below.

Table 5.1 EMU Connections by Phase

EMU CONNECTIONS BY PHASE		
PHASE	MAXIMUM EMU CONNECTIONS	EMU CONNECTIONS PREDICTED
Year 0-5	429	410
Year 5-10	1269	970
Year 10-20	1769	1757

The estimations for each phase were then divided by the length of the phase in order to determine how many connections per year would be required. Based on the meter size predicted, this value was then multiplied by a capital EMU ratio factor. This ratio is based on estimated usage of the source capacity for each meter size. These factors are listed in the below table.

Table 5.2 Capital EMU Ratio

CAPITAL EMU RATIO	
METER SIZE	RATIO FACTOR
5/8 x 3/4	1
1	2
1-1/2	5
2	8
3	16
4	25

## 6. County Subsidy Consideration

Using the calculated availability fees, county subsidy for each phase were determined to offset the debt incurred over the cumulative 35 years. The minimum values for these subsidies result in no cumulative debt, reasonable rates, and relatively high availability fees for new connections. These values can increase, but cannot decrease without increasing rates, increasing availability fees, or without an additional funding source. Below summarizes the subsidy amounts for each year used in the rate model.

Table 6.1 Subsidy by Year and Utility

SUBSIDY BY YEAR AND UTILITY			
YEAR	WATER PROJECTS SUBSIDY	SEWER PROJECTS SUBSIDY	TOTAL SUBSIDY
1	\$2,750,000	\$5,550,000	\$8,300,000
2	\$2,750,000	\$5,500,000	\$8,250,000
3	\$2,750,000	\$5,500,000	\$8,250,000
4	\$2,750,000	\$5,400,000	\$8,150,000
5	\$2,750,000	\$5,300,000	\$8,050,000
6	\$2,750,000	\$2,000,000	\$4,750,000
7	\$2,750,000	\$2,000,000	\$4,750,000
8	\$2,750,000	\$2,000,000	\$4,750,000
9	\$2,750,000	\$2,000,000	\$4,750,000
10	\$2,750,000	\$2,000,000	\$4,750,000
11	\$2,750,000	\$1,500,000	\$4,250,000
12	\$2,750,000	\$1,250,000	\$4,000,000
13	\$2,750,000	\$1,250,000	\$4,000,000
14	\$2,750,000	\$1,250,000	\$4,000,000
15	\$2,750,000	\$1,250,000	\$4,000,000
16	\$2,750,000		\$2,750,000
17	\$2,750,000		\$2,750,000
18	\$2,750,000		\$2,750,000
19	\$2,500,000		\$2,500,000
20	\$2,500,000		\$2,500,000



## 7. Costs – Operating

Operating costs were confirmed with the current operation and maintenance (O&M) costs and source costs of the water system and wastewater system. A 1.5% inflation rate over the 35 years of the model was applied to determine the overall annual O&M costs incurred.

## 8. Annual Loan Payment

The annual loan payments were calculated by taking the total capital costs for each phase and subtracting the total county subsidy for that phase. The approximate annual payments were determined using a 6% interest rate over a 20-year term. The loan payments every year are listed in the table below. The graphic also shows how these loan payments accumulate over time.

Table 8.1 Calculated Loan Amount and Payments

CALCULATED LOAN AMOUNT AND PAYMENTS			
LOAN	LOAN AMOUNT	YEARS OWNED	ANNUAL PAYMENT
Loan 1 – Water	\$17,876,000	1-20	\$1,558,511
Loan 2 – Water	\$67,036,000	14-34	\$5,844,504
Asset Loan – Water	\$590,900	1-20	\$51,518
Loan 3 - Sewer	\$26,520,000	1-20	\$2,312,124
Loan 4 – Sewer	\$34,500,000	9-29	\$3,007,867
Loan 5 - Sewer	\$19,193,000	14-34	\$1,673,333
Asset Loan - Sewer	\$245,700	1-20	\$21,422

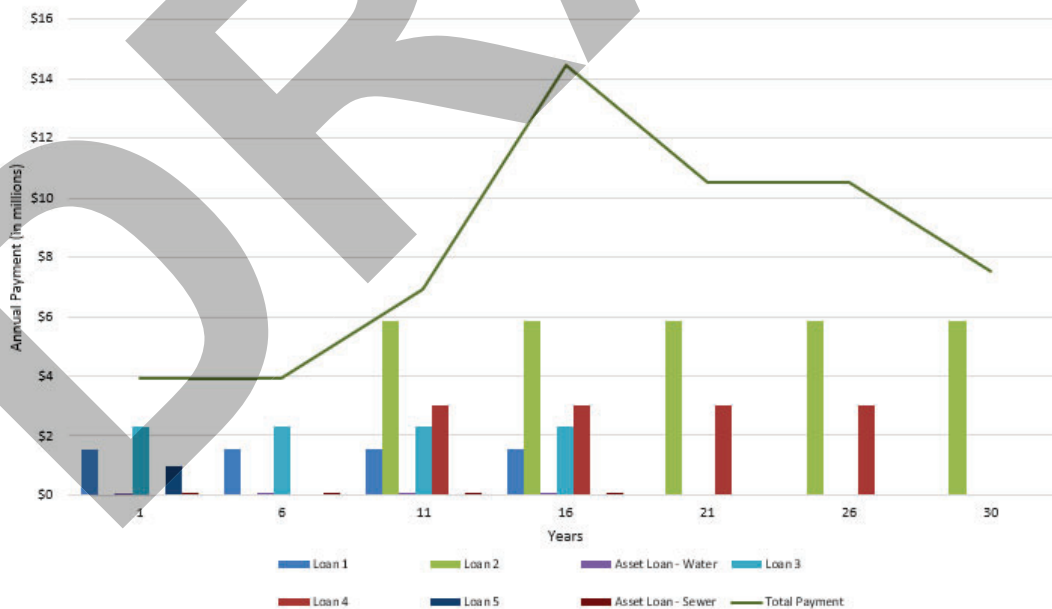


Figure 8.1 Annual Loan Payments Over Time

### 9. Net Revenue Calculations (Asset Management Plan Loans, Master Plan Capital Loans, etc.)

Net revenue was tabulated for both water and sewer individually and then cumulatively. These calculations are based on all previous calculations mentioned above.

The costs of the Master Plan Capital Projects Loan payments are anticipated to be paid off predominately by the availability fees collected every year as well as the county subsidy, although in the highest loan payment years cumulative profit (reserve fund) is used to offset this balance. The asset management capital project costs are entirely covered by the estimated revenue from rates of current customers. These loans were applied during years 1-34 of the projections.

The cost of O&M and source cost is offset by the base service fee income and the usage fee for each utility. The overall net revenue is the total of the capital revenue and the operating revenue. A running cumulative total for the projected years was maintained as a surplus, although some individual years are a deficit due to the high loan payments required for the large capital investments needed.

The attached tables show the net revenues and cumulative net totals for water only, sewer only, and water and sewer cumulatively.

### 10. Availability Fees and Rates – No Subsidy

Approximate rates and availability fees were determined if no subsidies would be applied to these capital improvement projects. The method to determine these rates and fees are the same as above, with the exception of calculating subsidies to offset debt. For simplicity, the base service fee was left at the approved future rate as it was determined to only minorly offset the other calculated values. The table below displays the approximate fees and rates associated with this funding scenario.

Table 10.1 Fees and Rates – No Subsidy

FEES AND RATES – NO SUBSIDY			
UTILITY	PRICE PER EMU	BASE SERVICE FEE	BLOCK RATE (PER 1000 GALLONS)
Water	\$13,500	\$21.42	\$35.00
Sewer	\$90,000	\$35.00	\$120.00

Range (*1000)		Avg Use	# Cust - Water Residential	# Cust - Sewer Residential	# Cust - Water Commercial	# Cust - Sewer Commercial	Commercial Monthly Usage	Residential Monthly Usage	Total Monthly Usage	Monthly Bill Water	Monthly Bill Sewer	Total Bill	Annual Revenue
0	3	1500	196	12	23	12	52,500	312,000	364,500	\$ 4,599.00	\$ 515.40	\$ 5,114.40	\$ 61,372.80
3	6	4500	138	3	10	3	58,500	634,500	693,000	\$ 7,178.00	\$ 266.55	\$ 7,444.55	\$ 89,334.60
6	9	7500	38	1	4		30,000	292,500	322,500	\$ 3,423.00	\$ 67.38	\$ 3,490.38	\$ 41,884.50
9	12	10500	11		1		10,500	115,500	126,000	\$ 1,374.00	\$ -	\$ 1,374.00	\$ 16,488.00
12	15	13500	1		1		13,500	13,500	27,000	\$ 295.00	\$ -	\$ 295.00	\$ 3,540.00
15	18	16500	2				0	33,000	33,000	\$ 361.00	\$ -	\$ 361.00	\$ 4,332.00
18	21	19500	1	1			0	39,000	39,000	\$ 213.50	\$ 159.18	\$ 372.68	\$ 4,472.10
21	24	22500					0	0	0	\$ -	\$ -	\$ -	\$ -
24	27	25500					0	0	0	\$ -	\$ -	\$ -	\$ -
27	30	28500	1				0	28,500	28,500	\$ 312.50	\$ -	\$ 312.50	\$ 3,750.00
30	33	31500	1				0	31,500	31,500	\$ 345.50	\$ -	\$ 345.50	\$ 4,146.00
33	36	34500				1	34,500	0	34,500	\$ -	\$ 273.93	\$ 273.93	\$ 3,287.10
36	39	37500					0	0	0	\$ -	\$ -	\$ -	\$ -
39	42	40500					0	0	0	\$ -	\$ -	\$ -	\$ -
42	45	43500					0	0	0	\$ -	\$ -	\$ -	\$ -
45	48	46500					0	0	0	\$ -	\$ -	\$ -	\$ -
48	51	49500					0	0	0	\$ -	\$ -	\$ -	\$ -
51	54	52500					0	0	0	\$ -	\$ -	\$ -	\$ -
54	57	55500					0	0	0	\$ -	\$ -	\$ -	\$ -
57	60	58500	1				0	58,500	58,500	\$ 642.50	\$ -	\$ 642.50	\$ 7,710.00
60	63	61500					0	0	0	\$ -	\$ -	\$ -	\$ -
63	66	64500					0	0	0	\$ -	\$ -	\$ -	\$ -
66	69	67500				1	67,500	0	67,500	\$ -	\$ 526.38	\$ 526.38	\$ 6,316.50
69	72	70500					0	0	0	\$ -	\$ -	\$ -	\$ -
							0	0	0	\$ -	\$ -	\$ -	\$ -
177	180	178000	1				0	178,000	178,000	\$ 1,957.00	\$ -	\$ 1,957.00	\$ 23,484.00
180	183	181000					0	0	0	\$ -	\$ -	\$ -	\$ -
183	186	184500					0	0	0	\$ -	\$ -	\$ -	\$ -
186	189	187500			1		187,500	0	187,500	\$ 2,061.50	\$ -	\$ 2,061.50	\$ 24,738.00
<b>Subtotals:</b>			391	17	40	17	454,500	1,736,500	2,191,000	\$ 22,762.50	\$ 1,808.80	\$ 24,571.30	\$ 294,855.60



Zion Crossroads W&S Project - Water Revenue Projections												
Year/Users/Usage				Capital Expenses & Income				Operating Expenses & Income			Totals	
Year	New EMUs	Total EMUs	Annual Usage	Total Loans	Customer Based Revenue	County Subsidy	Net Capital Revenue	Operation/ Source Costs	Customer Based Revenue	Net Operating Revenue	Net Water Revenue	Cumulative Net Total
1	82	82	18834000	-\$1,594,413.74	\$1,160,102.73	\$2,750,000.00	\$2,312,409	-\$178,251.00	\$208,159.56	\$29,908.56	\$2,342,318	\$2,342,318
2	82	164	37668000	-\$1,594,413.74	\$1,160,102.73	\$2,750,000.00	\$2,312,409	-\$249,924.00	\$416,319.12	\$166,395.12	\$2,478,804	\$4,821,122
3	82	246	56502000	-\$1,594,413.74	\$1,160,102.73	\$2,750,000.00	\$2,312,409	-\$355,794.75	\$624,478.68	\$268,683.93	\$2,581,093	\$7,402,215
4	82	328	75336000	-\$1,594,413.74	\$1,160,102.73	\$2,750,000.00	\$2,312,409	-\$461,699.76	\$832,638.24	\$370,938.48	\$2,683,347	\$10,085,562
5	82	410	94170000	-\$1,594,413.74	\$1,160,102.73	\$2,750,000.00	\$2,312,409	-\$567,639.53	\$1,103,245.67	\$535,606.14	\$2,848,015	\$12,933,577
6	109	519	112128000	-\$1,594,413.74	\$1,499,318.89	\$2,750,000.00	\$2,650,425	-\$671,205.60	\$1,318,763.43	\$647,557.83	\$3,297,983	\$16,231,560
7	109	628	130086000	-\$1,594,413.74	\$1,499,318.89	\$2,750,000.00	\$2,650,425	-\$774,807.49	\$1,534,281.18	\$759,473.70	\$3,409,899	\$19,641,459
8	109	737	148044000	-\$1,594,413.74	\$1,499,318.89	\$2,750,000.00	\$2,650,425	-\$878,445.74	\$1,749,798.94	\$871,353.21	\$3,521,778	\$23,163,237
9	109	846	166002000	-\$1,594,413.74	\$1,499,318.89	\$2,750,000.00	\$2,650,425	-\$982,120.89	\$1,965,316.70	\$983,195.81	\$3,633,621	\$26,796,858
10	109	955	183960000	-\$1,594,413.74	\$1,499,318.89	\$2,750,000.00	\$2,650,425	-\$1,085,833.50	\$2,311,684.53	\$1,225,851.03	\$3,876,276	\$30,673,135
11	72	1027	198998000	-\$1,594,413.74	\$1,164,438.03	\$2,750,000.00	\$2,316,856	-\$1,171,115.12	\$2,498,432.38	\$1,327,317.25	\$3,644,174	\$34,317,308
12	72	1099	214036000	-\$1,594,413.74	\$1,087,038.03	\$2,750,000.00	\$2,239,744	-\$1,256,435.34	\$2,685,180.22	\$1,428,744.88	\$3,668,489	\$37,985,797
13	72	1171	229074000	-\$1,594,413.74	\$1,087,038.03	\$2,750,000.00	\$2,239,744	-\$1,341,794.73	\$2,871,928.07	\$1,530,133.35	\$3,769,878	\$41,755,675
14	72	1243	244112000	-\$7,438,917.70	\$1,087,038.03	\$2,750,000.00	-\$3,604,760	-\$1,427,193.87	\$3,058,675.92	\$1,631,482.05	-\$1,973,278	\$39,782,397
15	72	1315	259150000	-\$7,438,917.70	\$1,087,038.03	\$2,750,000.00	-\$3,604,760	-\$1,512,633.36	\$3,440,149.19	\$1,927,515.83	-\$1,677,244	\$38,105,153
16	97	1412	281196000	-\$7,438,917.70	\$1,374,570.31	\$2,750,000.00	-\$3,318,227	-\$1,636,657.81	\$3,730,351.72	\$2,093,693.91	-\$1,224,533	\$36,880,620
17	97	1509	303242000	-\$7,438,917.70	\$1,374,570.31	\$2,750,000.00	-\$3,318,227	-\$1,760,723.83	\$4,020,554.25	\$2,259,830.42	-\$1,058,397	\$35,822,223
18	97	1606	325288000	-\$7,438,917.70	\$1,374,570.31	\$2,750,000.00	-\$3,318,227	-\$1,884,832.05	\$4,310,756.78	\$2,425,924.73	-\$892,303	\$34,929,920
19	97	1703	347334000	-\$7,438,917.70	\$1,105,820.31	\$2,500,000.00	-\$3,835,977	-\$1,970,439.10	\$4,508,709.50	\$2,538,270.41	-\$1,297,707	\$33,632,213
20	97	1800	369380000	-\$7,438,917.70	\$1,019,820.31	\$2,500,000.00	-\$3,921,657	-\$2,048,059.61	\$4,968,690.12	\$2,920,630.51	-\$1,001,027	\$32,631,186
21	0	1800	369380000	-\$5,844,503.96	\$351,729.53	\$0.00	-\$5,492,774	-\$2,051,045.25	\$4,968,690.12	\$2,917,644.87	-\$2,575,130	\$30,056,057
22	0	1800	369380000	-\$5,844,503.96	\$351,729.53	\$0.00	-\$5,492,774	-\$2,054,075.67	\$4,968,690.12	\$2,914,614.45	-\$2,578,160	\$27,477,897
23	0	1800	369380000	-\$5,844,503.96	\$351,729.53	\$0.00	-\$5,492,774	-\$2,057,151.55	\$4,968,690.12	\$2,911,538.57	-\$2,581,236	\$24,896,661
24	0	1800	369380000	-\$5,844,503.96	\$351,729.53	\$0.00	-\$5,492,774	-\$2,060,273.57	\$4,968,690.12	\$2,908,416.55	-\$2,584,358	\$22,312,303
25	0	1800	369380000	-\$5,844,503.96	\$351,729.53	\$0.00	-\$5,492,774	-\$2,063,442.42	\$5,266,811.53	\$3,203,369.11	-\$2,289,405	\$20,022,898
26	0	1800	369380000	-\$5,844,503.96	\$372,833.30	\$0.00	-\$5,471,671	-\$2,066,658.80	\$5,266,811.53	\$3,200,152.73	-\$2,271,518	\$17,751,380
27	0	1800	369380000	-\$5,844,503.96	\$372,833.30	\$0.00	-\$5,471,671	-\$2,069,923.43	\$5,266,811.53	\$3,196,888.10	-\$2,274,783	\$15,476,597
28	0	1800	369380000	-\$5,844,503.96	\$372,833.30	\$0.00	-\$5,471,671	-\$2,073,237.03	\$5,266,811.53	\$3,193,574.50	-\$2,278,096	\$13,198,501
29	0	1800	369380000	-\$5,844,503.96	\$372,833.30	\$0.00	-\$5,471,671	-\$2,076,600.33	\$5,266,811.53	\$3,190,211.20	-\$2,281,459	\$10,917,042
30	0	1800	369380000	-\$5,844,503.96	\$372,833.30	\$0.00	-\$5,471,671	-\$2,080,014.08	\$5,582,820.22	\$3,502,806.14	-\$1,968,865	\$8,948,177
31	0	1800	369380000	-\$5,844,503.96	\$395,203.30	\$0.00	-\$5,449,301	-\$2,083,479.03	\$5,582,820.22	\$3,499,341.19	-\$1,949,959	\$6,998,218
32	0	1800	369380000	-\$5,844,503.96	\$395,203.30	\$0.00	-\$5,449,301	-\$2,086,995.96	\$5,582,820.22	\$3,495,824.26	-\$1,953,476	\$5,044,741
33	0	1800	369380000	-\$5,844,503.96	\$395,203.30	\$0.00	-\$5,449,301	-\$2,090,565.65	\$5,582,820.22	\$3,492,254.57	-\$1,957,046	\$3,087,695
34	0	1800	369380000	-\$5,844,503.96	\$395,203.30	\$0.00	-\$5,449,301	-\$2,094,188.88	\$5,582,820.22	\$3,488,631.34	-\$1,960,669	\$1,127,026
35	0	1800	369380000	0	\$395,203.30	\$0.00	\$395,203	-\$2,097,866.46	\$5,917,789.43	\$3,819,922.98	\$4,215,126	\$5,342,152
<b>Net Cumulative 35-Year Projected Water Revenues</b>											<b>\$5,342,152.16</b>	

Zion Crossroads W&S Project - Sewer Revenue Projections													
Year/Users/Usage				Capital Expenses & Income				Operating Expenses & Income				Totals	
Year	New EMUs	Total EMUs	Annual Usage	Total Loans	Customer Based Revenue	County Subsidy	Net Capital Revenue	Operation/ Source Costs	Customer Based Revenue	Net Operating Revenue	Net Sewer Revenue	Cumulative Net Total	
1	82	82	18834000	-\$2,333,555.70	\$1,235,847.66	\$5,550,000.00	\$4,452,292	-\$163,251.00	\$406,044.90	\$242,793.90	\$4,695,086	\$4,695,086	
2	82	164	37668000	-\$2,333,555.70	\$1,235,847.66	\$5,500,000.00	\$4,402,292	-\$193,527.00	\$812,089.80	\$618,562.80	\$5,020,855	\$9,715,941	
3	82	246	56502000	-\$2,333,555.70	\$1,235,847.66	\$5,500,000.00	\$4,402,292	-\$223,833.38	\$1,218,134.70	\$994,301.33	\$5,396,593	\$15,112,534	
4	82	328	75336000	-\$2,333,555.70	\$1,235,847.66	\$5,400,000.00	\$4,302,292	-\$254,170.58	\$1,624,179.60	\$1,370,009.02	\$5,672,301	\$20,784,835	
5	82	410	94170000	-\$2,333,555.70	\$1,235,847.66	\$5,300,000.00	\$4,202,292	-\$284,539.08	\$2,152,037.97	\$1,867,498.89	\$6,069,791	\$26,854,626	
6	109	519	112128000	-\$2,333,555.70	\$1,671,150.52	\$2,000,000.00	\$1,337,595	-\$314,282.34	\$2,558,109.34	\$2,243,827.00	\$3,581,422	\$30,436,048	
7	109	628	130086000	-\$2,333,555.70	\$1,671,150.52	\$2,000,000.00	\$1,337,595	-\$344,057.84	\$2,964,180.71	\$2,620,122.87	\$3,957,718	\$34,393,765	
8	109	737	148044000	-\$2,333,555.70	\$1,671,150.52	\$2,000,000.00	\$1,337,595	-\$373,866.06	\$3,370,252.09	\$2,996,386.02	\$4,333,981	\$38,727,746	
9	109	846	166002000	-\$5,341,422.91	\$1,671,150.52	\$2,000,000.00	-\$1,670,272	-\$403,707.50	\$3,776,323.46	\$3,372,615.96	\$1,702,344	\$40,430,090	
10	109	955	183960000	-\$5,341,422.91	\$1,671,150.52	\$2,000,000.00	-\$1,670,272	-\$433,582.65	\$4,433,338.52	\$3,999,755.87	\$2,329,483	\$42,759,573	
11	72	1027	198998000	-\$5,341,422.91	\$1,098,651.55	\$1,500,000.00	-\$2,742,771	-\$458,455.01	\$4,794,510.19	\$4,336,055.18	\$1,593,284	\$44,352,857	
12	72	1099	214036000	-\$5,341,422.91	\$1,098,651.55	\$1,250,000.00	-\$2,992,771	-\$483,362.11	\$5,155,681.86	\$4,672,319.75	\$1,679,548	\$46,032,405	
13	72	1171	229074000	-\$5,341,422.91	\$1,098,651.55	\$1,250,000.00	-\$2,992,771	-\$508,304.45	\$5,516,853.53	\$5,008,549.07	\$2,015,778	\$48,048,183	
14	72	1243	244112000	-\$7,014,756.11	\$1,098,651.55	\$1,250,000.00	-\$4,666,105	-\$533,282.58	\$5,878,025.20	\$5,344,742.62	\$678,638	\$48,726,821	
15	72	1315	259150000	-\$7,014,756.11	\$1,098,651.55	\$1,250,000.00	-\$4,666,105	-\$558,297.02	\$6,613,548.68	\$6,055,251.66	\$1,389,147	\$50,115,968	
16	97	1412	281196000	-\$7,014,756.11	\$1,102,362.65	\$0.00	-\$5,912,393	-\$593,860.33	\$7,179,117.75	\$6,585,257.42	\$672,864	\$50,788,832	
17	97	1509	303242000	-\$7,014,756.11	\$1,102,362.65	\$0.00	-\$5,912,393	-\$629,461.05	\$7,744,686.83	\$7,115,225.78	\$1,202,832	\$51,991,665	
18	97	1606	325288000	-\$7,014,756.11	\$1,102,362.65	\$0.00	-\$5,912,393	-\$665,099.74	\$8,310,255.90	\$7,645,156.15	\$1,732,763	\$53,724,427	
19	97	1703	347334000	-\$7,014,756.11	\$1,102,362.65	\$0.00	-\$5,912,393	-\$690,264.99	\$8,693,097.87	\$8,002,832.88	\$2,090,439	\$55,814,867	
20	97	1800	369380000	-\$7,014,756.11	\$987,162.65	\$0.00	-\$6,027,593	-\$713,279.35	\$9,581,636.94	\$8,868,357.58	\$2,840,764	\$58,655,631	
21	0	1800	369380000	-\$4,681,200.42	\$69,496.40	\$0.00	-\$4,611,704	-\$715,966.43	\$9,581,636.94	\$8,865,670.51	\$4,253,966	\$62,909,597	
22	0	1800	369380000	-\$4,681,200.42	\$69,496.40	\$0.00	-\$4,611,704	-\$718,693.81	\$9,581,636.94	\$8,862,943.13	\$4,251,239	\$67,160,836	
23	0	1800	369380000	-\$4,681,200.42	\$69,496.40	\$0.00	-\$4,611,704	-\$721,462.10	\$9,581,636.94	\$8,860,174.84	\$4,248,471	\$71,409,307	
24	0	1800	369380000	-\$4,681,200.42	\$69,496.40	\$0.00	-\$4,611,704	-\$724,271.92	\$9,581,636.94	\$8,857,365.02	\$4,245,661	\$75,654,968	
25	0	1800	369380000	-\$4,681,200.42	\$69,496.40	\$0.00	-\$4,611,704	-\$727,123.88	\$10,156,535.15	\$9,429,411.27	\$4,817,707	\$80,472,675	
26	0	1800	369380000	-\$8,852,371.18	\$73,666.19	\$0.00	-\$8,778,705	-\$730,018.62	\$10,156,535.15	\$9,426,516.53	\$647,812	\$81,120,487	
27	0	1800	369380000	-\$8,852,371.18	\$73,666.19	\$0.00	-\$8,778,705	-\$732,956.79	\$10,156,535.15	\$9,423,578.36	\$644,873	\$81,765,360	
28	0	1800	369380000	-\$8,852,371.18	\$73,666.19	\$0.00	-\$8,778,705	-\$735,939.02	\$10,156,535.15	\$9,420,596.13	\$641,891	\$82,407,251	
29	0	1800	369380000	-\$8,852,371.18	\$73,666.19	\$0.00	-\$8,778,705	-\$738,965.99	\$10,156,535.15	\$9,417,569.16	\$638,864	\$83,046,116	
30	0	1800	369380000	-\$5,844,503.96	\$73,666.19	\$0.00	-\$5,770,838	-\$742,038.37	\$10,765,927.26	\$10,023,888.89	\$4,253,051	\$87,299,167	
31	0	1800	369380000	-\$1,673,333.20	\$78,086.16	\$0.00	-\$1,595,247	-\$745,156.83	\$10,765,927.26	\$10,020,770.43	\$8,425,523	\$95,724,690	
32	0	1800	369380000	-\$1,673,333.20	\$78,086.16	\$0.00	-\$1,595,247	-\$748,322.07	\$10,765,927.26	\$10,017,605.19	\$8,422,358	\$104,147,048	
33	0	1800	369380000	-\$1,673,333.20	\$78,086.16	\$0.00	-\$1,595,247	-\$751,534.78	\$10,765,927.26	\$10,014,392.48	\$8,419,145	\$112,566,194	
34	0	1800	369380000	-\$1,673,333.20	\$78,086.16	\$0.00	-\$1,595,247	-\$754,795.69	\$10,765,927.26	\$10,011,131.57	\$8,415,885	\$120,982,078	
35	0	1800	369380000	\$0.00	\$78,086.16	\$0.00	\$78,086	-\$758,105.51	\$11,411,882.90	\$10,653,777.39	\$10,731,864	\$131,713,942	
<b>Net Cumulative 35-Year Projected Sewer Revenues</b>											<b>\$131,713,942</b>		





**FLUVANNA COUNTY BOARD OF SUPERVISORS  
AGENDA ITEM STAFF REPORT**

TAB A

<b>MEETING DATE:</b>	May 18, 2022				
<b>AGENDA TITLE:</b>	VDOT Secondary Six Year Plan				
<b>MOTION(s):</b>	<b>I move to accept the Resolution for the VDOT Secondary Six-Year Plan (2022/23 through 2027/28) and VDOT Construction Priority List (2022/23) as required by sections 33.1-23 and 33.1-23.4 of the 1950 Code of Virginia.</b>				
<b>STRATEGIC INITIATIVE?</b>	Yes	No	<b>If yes, list initiative(s):</b>		
		XX			
<b>AGENDA CATEGORY:</b>	Public Hearing	Action Matter	Presentation	Consent Agenda	Other
	XX				
<b>STAFF CONTACT(S):</b>	Eric Dahl, County Administrator				
<b>PRESENTER(S):</b>	Scott Thornton, VDOT Residency Administrator				
<b>RECOMMENDATION:</b>	Approve				
<b>TIMING:</b>	Normal				
<b>DISCUSSION:</b>	Deletions, additions, or changes to VDOT proposed work.				
<b>FISCAL IMPACT:</b>	None.				
<b>POLICY IMPACT:</b>	In compliance with state code.				
<b>LEGISLATIVE HISTORY:</b>	Recurring plan as required of State Code of Virginia				
<b>ENCLOSURES:</b>	<ul style="list-style-type: none"> <li>• VDOT Six Year Plan Public Hearing Advertisement</li> <li>• 2023 VDOT SSYP Draft Plan</li> <li>• Resolution for adoption of the Six Year Plan in accordance with Sections 33.1-23 and 33.1-23.4 of the 1950 State Code of Virginia</li> </ul>				
<b>REVIEWS COMPLETED:</b>	Legal	Finance	Purchasing	HR	Other
					X



Secondary System  
 Fluvanna County  
 Construction Program  
 Estimated Allocations

Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	Total
TeleFee	\$80,299	\$80,299	\$80,299	\$80,299	\$80,299	\$80,299	\$481,794
District Grant Unpaved	\$17,878	\$11,268	\$11,268	\$11,394	\$11,394	\$11,394	\$74,596
<b>Total</b>	<b>\$98,177</b>	<b>\$91,567</b>	<b>\$91,567</b>	<b>\$91,693</b>	<b>\$91,693</b>	<b>\$91,693</b>	<b>\$556,390</b>

Board Approval Date:

**DRAFT**

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Resident Engineer

Date

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County Administrator

Date



**DRAFT**

District: Culpeper  
 County: Fluvanna County  
 Board Approval Date:

**SECONDARY SYSTEM CONSTRUCTION PROGRAM (in dollars)**

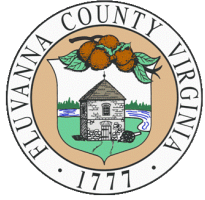
2022-23 through 2027-28

Route	Road Name	Estimated Cost	Previous Funding	Additional Funding Required	PROJECTED FISCAL YEAR ALLOCATIONS						Balance to complete	Traffic Count
					2022-23	2023-24	2024-25	2025-26	2026-27	2027-28		
PPMS ID 111739 Accomplishment Type of Funds Type of Project Priority #	Project # Description FROM TO Length		SSYP Funding Other Funding Total									Scope of Work FHWA # Comments
Rt.0600 111739 RAAP CONTRACT  SECONDARY - ONE HEARING DESIGN 0001.00	SOUTH BOSTON ROAD 0600-032-611, C-501 RTE 600/618 INTERSECTION IMPROVEMENTS 0.20 MI. S. ROUTE 618 0.11 MI. N. ROUTE 618 0.31	PE \$950,000 RW \$1,069,000 CON \$1,953,000  <b>Total \$3,972,000</b>	<b>\$3,444,866</b>	<b>\$527,134</b>	<b>\$80,299</b>	<b>\$18,699</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	6600 / 2600 VPD 2020  TELEFEE FUNDS  \$828,141 RECEIVED IN SMART SCALE FUNDING
Rt.0677 113735 SF / HIRED EQUIP.  S NO PLAN,SECONDARY 0002.00	OLD FORK LANE 0677-032-P14, N-501 RTE 677 - RURAL RUSTIC RD (SURFACE TREAT NON-HARDSURFACE RD) END STATE MAINTENANCE ROUTE 640 0.60	PE \$5,000 RW \$0 CON \$180,000  <b>Total \$185,000</b>	<b>\$12,465</b>	<b>\$172,535</b>	<b>\$17,878</b>	<b>\$47,868</b>	<b>\$66,567</b>	<b>\$40,222</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	60 VPD 05/04/2020  DISTRICT GRANT UNPAVED FUNDS >50 VPD / TELEFEE FUNDS  RURAL RUSTIC RESOLUTION NEEDED
Rt.9999 T21516 SF / HIRED EQUIP.  S NO PLAN,SECONDARY 9999.99	9999-032-613, N-501 DISTRICT GRANT FUTURE UNPAVED ROAD FUNDS  VARIOUS LOCATIONS IN COUNTY	PE \$0 RW \$0 CON \$25,205  <b>Total \$25,205</b>	<b>\$0</b>	<b>\$25,205</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,417</b>	<b>\$11,394</b>	<b>\$11,394</b>	<b>\$0</b>	DISTRICT GRANT UNPAVED FUNDS >50 VPD
Rt.4005 99931   9999.99	1204005 COUNTYWIDE ENGINEERING & SURVEY  VARIOUS LOCATIONS IN COUNTY	PE \$0 RW \$0 CON \$43,835  <b>Total \$43,835</b>	<b>\$43,835</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	TELEFEE FUNDS  MINOR SURVEY & PRELIMINARY ENGINEERING FOR BUDGET ITEMS AND INCIDENTAL TYPE WORK.
Rt.4007 99703   9999.99	1204007 COUNTYWIDE TRAFFIC SERVICES  VARIOUS LOCATIONS IN COUNTY	PE \$0 RW \$0 CON \$313,015  <b>Total \$313,015</b>	<b>\$53,363</b>	<b>\$259,652</b>	<b>\$0</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$49,054</b>	<b>\$80,299</b>	<b>\$80,299</b>	<b>\$0</b>	TELEFEE FUNDS  TRAFFIC SERVICES INCLUDE SECONDARY SPEED ZONES, SPEED STUDIES, OTHER NEW SECONDARY SIGNS









**BOARD OF SUPERVISORS**

County of Fluvanna  
Palmyra, Virginia

**RESOLUTION No. 09-2022**

**A RESOLUTION TO APPROVE VDOT SECONDARY SIX-YEAR PLAN  
(2022/23 through 2027/28) and  
VDOT CONSTRUCTION PRIORITY LIST (2022/23)**

At a regular monthly meeting of the Fluvanna County Board of Supervisors held at 7:00 p.m. on Wednesday, May 18, 2022 in Palmyra, Virginia, the following action was taken:

**WHEREAS**, Sections 33.2-331 of the 1950 Code of Virginia as amended, provides the opportunity for each county to work with the Virginia Department of Transportation in developing a Secondary Six-Year Road Plan; and

**WHEREAS**, this Board had previously agreed to assist in the preparation of this Plan, in accordance with the Virginia Department of Transportation policies and procedures, and participated in a public hearing on the proposed Plan (2022/23 through 2027/28) as well as the Construction Priority List (2022/23) on May 18, 2022 after duly advertised so that all citizens of the County had the opportunity to participate in said hearing and to make comments and recommendations concerning the proposed Plan and Priority List; and

**WHEREAS**, Scott Thornton, Residency Administrator, Virginia Department of Transportation - Louisa Residency, appeared before the Board and recommended approval of the Six-Year Plan for Secondary Roads (2022/23 through 2027/28) AND Construction Priority List (2022/23) for Fluvanna County.

**NOW, THEREFORE, BE IT RESOLVED** that since said Plan appears to be in the best interest of the Secondary Road System in Fluvanna County and of the citizens residing on the Secondary System, said Secondary Six-Year Plan (2022/23 through 2027/28) and Construction Priority List (2022/23) are hereby approved as presented at the public hearing.

**THE FOREGOING RESOLUTION WAS DULY AND REGULARLY ADOPTED** by the Fluvanna County Board of Supervisors at a meeting of the Board held on the 18<sup>th</sup> day of May 2022.

	AYE	NAY	ABSTAIN	ABSENT	MOTION	SECOND
Mozell H. Booker, Fork Union District						
Patricia B. Eager, Palmyra District						
Anthony P. O'Brien, Rivanna District						
John M. Sheridan, Columbia District						
Chris Fairchild, Cunningham District						

Adopted this 18<sup>th</sup> day of May, 2022  
by the Fluvanna County Board of Supervisors

ATTEST:

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John M. Sheridan, Chair  
Fluvanna County  
Board of Supervisors





**PUBLIC HEARING**  
**Fluvanna County Board of Supervisors**  
**Wednesday, May 18, 2022, at 7:00 p.m.**

The Virginia Department of Transportation and the Board of Supervisors of Fluvanna County, in accordance with Section 33.2-331 of the Code of Virginia, will conduct a joint Public Hearing at the Carysbrook Performing Arts Center, 8880 James Madison Hwy, Fork Union, Virginia, at 7:00 p.m. on Wednesday, May 18, 2022. The purpose of this Public Hearing is to receive public comment on the proposed Secondary Six-Year Plan for Fiscal Years 2022/23 through 2027/28 in Fluvanna County, and on the Secondary System Construction Budget for Fiscal Year 2022/23. Copies of the proposed Plan and Budget may be reviewed at the Louisa Residency Office of the Virginia Department of Transportation, located at 3709 Davis Highway, Louisa, or at the Fluvanna County Administrator's Office located at 132 Main Street, Palmyra, Virginia.

All projects in the Secondary Six-Year Plan that are eligible for federal funds will be included in the Statewide Transportation Improvement Program (STIP), which documents how Virginia will obligate federal transportation funds.

Persons requiring special assistance to attend and participate in this hearing should contact the Virginia Department of Transportation at 829-7616. Persons wishing to speak at this public hearing should contact the Fluvanna County Administrator's Office at 434-591-1910.

**1/4 page size 5" x 6"**  
**All text copied from Word Doc**  
**Runs: 5/5 & 5/12, 2022 Fluvanna Review**  
**Proof#1**





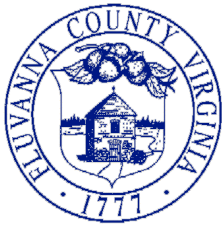
**FLUVANNA COUNTY BOARD OF SUPERVISORS  
AGENDA ITEM STAFF REPORT**

**TAB B**

<b>MEETING DATE:</b>	May 18, 2022				
<b>AGENDA TITLE:</b>	ZMP 22:01 Fluvanna County Board of Supervisors				
<b>MOTION:</b>	I move that the Board of Supervisors [Approve / deny / defer] ZMP 22:01 a request to conditionally rezone from A-1, Agricultural, General to the I-1, Industrial, Limited Zoning District of 33.8 acres of Tax Maps 51 Section A Parcels 130, 138 and 139 with the proffers dated April 7, 2022.				
<b>STRATEGIC INITIATIVE?</b>	Yes	No	<b>If yes, list initiative(s):</b>	N/A	
		<b>X</b>			
<b>AGENDA CATEGORY:</b>	Public Hearing	Action Matter	Presentation	Consent Agenda	Other
	<b>X</b>				
<b>STAFF CONTACT(S):</b>	Douglas Miles, Community Development Director				
<b>PRESENTER(S):</b>	Douglas Miles, Community Development Director				
<b>RECOMMENDATION:</b>	At its meeting on April 12, 2022 the Planning Commission recommended approval of ZMP 22:01 with the proffered conditions dated April 7, 2022 (4-0); Vice Chair Murray-Key moved to recommend Approval and Mr. Johnson seconded. AYES: Bibb, Johnson, Murray-Key and Zimmer. Mr. Lagomarsino was absent serving in Albemarle County.				
<b>TIMING:</b>	Normal Planning review process				
<b>REQUESTED ACTION:</b>	<b>ZMP 22:01 Fluvanna County Board of Supervisors</b> – A request to conditionally rezone from A-1, Agricultural, General to the I-1, Industrial, Limited Zoning District of 33.8 acres of Tax Maps 51 Section A Parcels 130, 138 and 139. The subject properties are located behind 5725 James Madison Highway (Route 15) and they are in the Fork Union Community Planning Area and in the Fork Union Election District.				
<b>FISCAL IMPACT:</b>	Industrial distribution center and office / warehouse potential taxation				
<b>POLICY IMPACT:</b>	Regarding ZMP 22:01, the Board of Supervisors may: <ul style="list-style-type: none"> <li>• Approve this rezoning request with the proffered conditions;</li> <li>• Deny this rezoning request;</li> <li>• Defer this rezoning request and make a final decision within 90 days.</li> </ul>				
<b>LEGISLATIVE HISTORY:</b>	Review of a proposed Zoning Map Amendment in accordance with Chapter 22, Article 17 of the Fluvanna County Code Zoning Ordinance: Conditional Rezoning Application was received on February 28, 2022 with the April 7, 2022 proffers. Planning Commission reviewed the conditional rezoning request on April 12, 2022.				
<b>ENCLOSURES:</b>	Fluvanna County Board of Supervisors Staff Report				
<b>REVIEWS COMPLETED:</b>	Legal	Finance	Purchasing	HR	Other
					<b>X</b>







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# COUNTY OF FLUVANNA

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## BOARD OF SUPERVISORS STAFF REPORT

**To:** Fluvanna County Board of Supervisors  
**Request:** Rezoning request from A-1 to I-1

**From:** Douglas Miles, AICP, CZA  
**District:** Fork Union Election District

**General Information:** This A-1, General Agricultural to I-1, Limited Industrial conditional rezoning request will be heard by the Board of Supervisors, on Wednesday, May 18, 2022 at 7:00 pm at the Carysbrook Performing Arts Center.

**Applicant:** Fluvanna Board of Supervisors / Eric Dahl, County Administrator

**Requested Action:** **ZMP 22:01 Fluvanna County Board of Supervisors** – A request to conditionally rezone from A-1, Agricultural, General to the I-1, Industrial, Limited Zoning District of 33.8 acres of Tax Maps 51 Section A Parcels 130, 138 and 139. The subject properties are located behind 5725 James Madison Highway (Route 15) and they are in the Fork Union Community Planning Area and in the Fork Union Election District.

**Existing Zoning:** A-1, General Agricultural Zoning District

**Proposed Zoning:** I-1, Limited Industrial Zoning District

**Existing Land Use:** Vacant

**Planning Area:** Fork Union Community Planning Area

**Comprehensive Plan:**

The 2015 Comprehensive Plan, in the Economic Development Chapter, states that Community Planning Areas need to effectively balance land use, transportation, and economic development in a holistic approach instead of viewing them as individual issues that could negatively impact Fluvanna County. However, by concentrating industrial development off primary transportation corridors, such as Route 15 and then by providing additional critical infrastructure such as water and sewer, the county can direct commercial and industrial uses into designated planning areas.

**Site Infrastructure:**

Fluvanna County water is available using the existing 6 inch water main line located along Route 15 that is approximately 115 feet north of the Fluvanna Community Center entrance on Route 15. Generally fire flow requirements are 2000 gallons per minute (gpm) for two (2) hours for light industrial uses with a minimum pressure of 20 psi. The maximum size water storage tank required to meet the fire flow demand is 240,000 gallons based upon the 2000 GPM fire flow demand over two hours.

Public sewer is not currently available to the Fork Union Commerce Park properties and the County could consider new treatment options (pocket plant vs. treatment plant) to be designed to accommodate flow from the entire commerce park over an on-site septic system and that could require about 6 acres. The exact type of wastewater treatment option is unknown at this time and it will require more information to determine all the permit discharge limits as defined by DEQ.

### **Transportation Planning:**

The Fork Union Commerce Park's site access point is James Madison Highway (US Route 15) and is classified by the Virginia Department of Transportation (VDOT) as a Minor Arterial Road with access to Interstate 64 being approximately 17 miles north along US Route 15 to the Zion Crossroads Area. A Traffic Impact Study (TIS) was completed back on November 1, 2021 by Engineering & Planning Resources (EPR) of Charlottesville at the request of Fluvanna County.

The Fork Union Commerce Park will include approximately 550,000 square feet of industrial and business park uses and is assumed for this traffic impact study to be fully occupied by 2030.

The TIS indicated that there will be minimal impact to the proposed entrance of the commerce park and the following transportation improvements will be required and which may necessitate additional right-of-way acquisition and that will also require review and approval by VDOT:

*a northbound left-turn lane with 200 feet of storage with a 200 foot taper and then also the extension of the existing southbound Right-turn lane to 200 feet of storage with a 200 foot taper.*

Turn lane warrant analyses were performed for the US Route 15 and site entrance intersection based upon the 2030 build traffic volumes and the VDOT Roadway Design Manual taking into account for future tractor-trailer traffic for the shipping and receiving office / warehouse uses.

### **Proffered Conditions:**

The purpose of the I-1, Limited Industrial District is to permit certain light industrial uses. The limitations are imposed to protect and foster adjacent residential property and while permitting certain light industries to locate near a labor supply and in this case within the Fork Union area.

The following permitted by right land uses shall be excluded from the subject properties under I-1 Zoning Section 22-11-2.1:

Commercial Uses: Self-storage facilities and Car washes.  
Industrial Uses: Solid waste collection facilities.

The following permitted by special use permit land uses shall be excluded from the subject properties under I-1 Zoning Section 22-11-2.2:

Commercial Uses: Amusements, commercial and Manufactured home sales, and Shooting ranges, outdoors.

Industrial Uses: Solid waste material recovery facilities.

**Conclusion:**

This zoning map amendment (ZMP) request is generally consistent with the stated intent of the Comprehensive Plan found within the Economic Development chapter by concentrating the new office / industrial development off primary transportation corridors, such as Route 15. Also, by providing the additional critical infrastructure such as water and sewer, the county can direct new commercial and industrial uses into designated planning areas like the Fork Union Community Planning Area. The Statement of Proffers letter ensures that some of the more intensive land uses will not be permitted on this site and further enhances those uses Fluvanna County desires to be located within the Fork Union Commerce Park to provide growth and economic development.

**Planning Commission Hearing:**

The Planning Commission conducted a Public Hearing on April 12, 2022 and there were no public speakers for or against the County's conditional rezoning from A-1 to I-1 request. The Planning Commissioners, particularly Mr. Johnson, they felt that the Fork Union area, it needed economic development and growth and it ended up being his last Planning Commission meeting. They recommended Approval along with the proffered conditions to the Board of Supervisors.

**Suggested Motion:**

I move that the Board of Supervisors [Approves / denies / defers] ZMP 22:01, a request to amend the Fluvanna County Zoning Map to conditionally rezone from A-1, Agricultural, General to the I-1, Industrial, Limited Zoning District with respect to approximately 33.8 +/- acres of Tax Maps 51 Section A Parcels 130, 138 and 139 along with the proffered conditions dated April 7, 2022.

**Attachments:**

Rezoning Application and Statement of Proffers letter  
 Adjacent Property Owner letter and Rezoning case map  
 EPR Traffic Impact Study (TIS) Report – November 2021  
 Draper Aden Associates Master Plan Report – January 2022





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# COUNTY OF FLUVANNA

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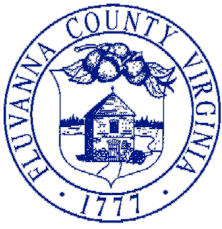
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## MEMORANDUM

**Date:** April 1, 2022  
**From:** Valencia Porter  
**To:** Douglas Miles  
**Subject:** APO Memo Complete

Please be advised the attached letter went out to the attached list of Adjacent Property Owners for the April 12, 2022 Planning Commission meeting.



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# COUNTY OF FLUVANNA

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## PUBLIC HEARING NOTICE

**May 3, 2022**

**RE: ZMP 22:01 Fluvanna County Board of Supervisors / Fork Union Commerce Park Rezoning**

This is to notify you that the Fluvanna County Board of Supervisors will hold a public hearing on:

**Meeting:** Board of Supervisors Public Hearing

**Date:** **Wednesday, May 18, 2022 at 7:00 pm**

**Location:** Carysbrook Performing Arts Center  
8880 James Madison Highway Fork Union, VA 23055

**ZMP 22:01 Fluvanna County Board of Supervisors** – A request to conditionally rezone from A-1, Agricultural, General to the I-1, Industrial, Limited Zoning District of 33.8 +/- acres of Tax Maps 51 Section A Parcels 130, 138 and 139. The subject properties are generally located behind 5725 James Madison Highway (Route 15) and they are in the Fork Union Community Planning Area and in the Fork Union Election District.

Please be advised that you can attend the meeting in person, join the meeting via Zoom or by a phone call where you will have an opportunity to provide any Public comments. Instructions for participation in the Public Hearing will be available on the County's website along with the Meeting Agenda and Staff Report.

You can also contact the Fluvanna County Planning & Community Development Department, 8:00 am – 5:00 pm, Monday through Friday. If you have any questions regarding the application or the public hearing, please contact me at 434.591.1910 or at [dmiles@fluvannacounty.org](mailto:dmiles@fluvannacounty.org) or contact Eric Dahl, County Administrator at [edahl@fluvannacounty.org](mailto:edahl@fluvannacounty.org) with further questions.

Sincerely,

*Douglas Miles*

Douglas Miles, AICP, CZA  
Community Development Director











# COUNTY OF FLUVANNA

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132 Main Street  
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## Statement of Proffers

Pursuant to Section 15.2-2296 of the Code of Virginia and Section 22-17-9 of the Fluvanna County Zoning Ordinance, Eric M. Dahl, County Administrator, does hereby proffer, as the Representative for the subject properties (the "Property") respectively, which are the subject parcels of this conditional rezoning request, that the development of the Property shall be in strict accordance with the following conditions set forth in this submission:

I present this statement of proffers for Fluvanna County Tax Maps 51 (A) Parcels 130, 138 and 139:

1. The following permitted by right land uses shall be excluded from the Property under I-1 Zoning Section 22-11-2.1:

Commercial Uses: Self-storage facilities, and Car washes

Industrial Uses: Solid waste collection facilities

2. The following permitted by special use permit land uses shall be excluded from the Property under I-1 Zoning Section 22-11-2.2:

Commercial Uses: Amusements, commercial, and Manufactured home sales, and Shooting ranges, outdoor

Industrial Uses: Solid waste material recovery facilities

I hereby acknowledge as the Representative that the Conditional Rezoning of the Property gives rise to the need for these conditions.



County Administrator

4/7/22

Date

I, Caitlin Solis, a Notary for the State of Virginia, Fluvanna County, do verify that the foregoing instrument was signed before me this 7 day of April 2022.



Caitlin Solis  
Print Notary Public Name



06/30/2024  
My Commission Expires





COMMONWEALTH OF VIRGINIA  
COUNTY OF FLUVANNA  
Application for Rezoning

**Owner of Record:** County of Fluvanna **Applicant of Record:** same  
Address: Post Office Box 540 Palmyra, VA 22963 Address: same  
Phone: 434.591.1910 Fax: 434.591.1913 Phone: same Fax: same  
Email: \_\_\_\_\_ Email: \_\_\_\_\_

**Representative:** Eric M. Dahl, County Administrator  
Address: Post Office Box 540 Palmyra, VA 22963  
Phone: 434.591.1910 Fax: 434.591.1913  
Email: edahl@fluvannacounty.org

**Note:** If applicant is anyone other than the owner of record, written authorization by the owner designating the applicant as the authorized agent for all matters concerning the request shall be filed with this application.

If property is in an Agricultural Forestal District, or Conservation Easement, please list information here:  
N/A

**Tax Map and Parcel(s)** 51 (A) 130, 138 and 139  
**Acreage** 33.8 acres **Current Zoning** A-1

**Is parcel in Land Use Valuation Program?**  No  Yes

**Location of Parcel:** behind 5725 JM Highway (Route 15)

**Deed Book and Page:** N/A

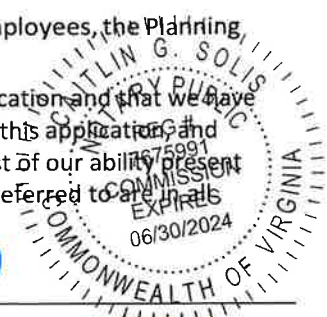
If any Deed Restrictions, please attach a copy

**Requested Zoning** I-1 **Proposed Use of Property** expansion of Fork Union Commerce Park / industrial uses

**Affidavit to Accompany Petition for Rezoning**

By signing this application, the undersigned owner/applicant authorizes entry onto the property by County Employees, the Planning Commission, and the Board of Supervisors during the normal discharge of their duties in regard to this request.

I/We, being duly sworn, depose and say that we are Owner/Contract Owner of the property involved in this application and that we have familiarized ourselves with the rules and regulations of the Zoning Ordinance with respect to preparing and filing this application, and that the foregoing statements and answers herein contained and the information on the attached map to the best of our ability present the argument on behalf of the application herewith requested and that the statements and information above referred to are true and correct to the best of our knowledge.



Date: 7/28/22 Signature of Owner/Applicant: E Dahl  
Subscribed and sworn to before me this 28 day of February, 20 22 Register # 7675991  
My commission expires: 06/30/2024 Notary Public: Caitlin Sob

**All plats must be folded prior to submission to the Planning Department for review. Rolled plats will not be accepted.**

Office Use Only	
Date Received: <u>03/01/2022</u>	Pre-Application Meeting: _____ PH Sign Deposit Received: <u>Waived</u> Application #: <u>ZMP 22 : 01</u>
\$1,000 fee paid: <u>Waived</u>	Mailing Costs: \$20.00 per Adjacent Property Owner after first 15, Certified. Paid: _____
Proffer or Master Plan Amendment: <u>\$750.00 plus mailing costs. Paid:</u>	
Election District: <u>Fork Union</u>	Planning Area: <u>Fork Union</u>
Public Hearings	
Planning Commission	Board of Supervisors
Advertisement Dates: _____	Advertisement Dates: _____
APO Notification: _____	APO Notification: _____
Date of Hearing: _____	Date of Hearing: _____
Decision: _____	Decision: _____

MEMORANDUM

TO: ERIC DAHL	FROM: BILL WUENSCH, P.E., PTOE; WEI HE
ORGANIZATION: FLUVANNA COUNTY	DATE: NOVEMBER 1ST, 2021
PHONE NUMBER: 434-591-1900 X 1053	SENDER'S REFERENCE NUMBER:
RE: FORK UNION BUSINESS PARK TRAFFIC IMPACT STUDY	YOUR REFERENCE NUMBER:
<input type="checkbox"/> URGENT <input checked="" type="checkbox"/> FOR YOUR USE <input type="checkbox"/> PLEASE COMMENT <input type="checkbox"/> PLEASE REPLY <input type="checkbox"/> PLEASE RECYCLE	

## Project Overview

This memorandum summarizes the traffic impact for the proposed Fork Union Business Park to be located along Route 15 north of the Town of Fork Union in Fluvanna County, Virginia. Access to the site will be provided at the current Fluvanna Community Center entrance along Route 15. **Figure 1** illustrates the project location, vicinity, and study intersections. **Figure 2** illustrates the conceptual site plan.

As illustrated in Figure 1, the study intersections include:

1. Route 15 and Route 6 (West River Road),
2. Route 15 and Route 6 (East River Road) analyzed as three intersections, and
3. Route 15 and the site entrance.

The proposed Fork Union Business Park will include approximately 550,000 square feet of light industrial/business park uses and it is assumed that it will be fully occupied by 2030.

Included within this study are the traffic count data, traffic volume projections, traffic operations analyses, turn lane warrant analyses, crash analyses, and a summary of the findings and conclusions. The VDOT Scoping Form, outlining the agreed upon assumptions for this study is included in **Appendix A**.

## Traffic Volumes

### **2021 Existing Traffic Volumes**

Traffic counts were conducted at the study intersections on Thursday, September 30th, 2021 from 7-9 AM and 4-6 PM. The traffic count reports are attached in **Appendix B**.

To address possible changes in traffic patterns due to COVID, the traffic counts conducted in September along Route 15 were compared to peak hour volumes calculated from 2019 VDOT Traffic Data. The result of this comparison indicates that the existing morning and afternoon peak hour traffic volumes along Route 15 are 87% and 112% of the peak hour volumes from 2019 VDOT Traffic Data during the morning and afternoon peak hours, respectively. Understanding that traffic volumes can vary by as much as 15% per day and that the peak hour traffic volumes calculated based on the VDOT AADTs and K factor are for THE peak hour (in this case the PM peak) no adjustments were made to the traffic volumes to address COVID.

Traffic counts were conducted at the two intersections where Route 15 and Route 6 (East River Road) meet along Route 6 but not at the northern intersection. The volumes at the north intersection were calculated based on the east and west traffic counts.

Traffic counts were not conducted at the intersection of Route 15 and the site entrance. These volumes were calculated based on the traffic counts at Route 15 with Route 6 north and south of the site. The traffic volumes entering and exiting the site were estimated based on the trip generation for the existing land uses and distributed based on existing traffic patterns. The existing land uses include a 11,500 square foot community center and a 8,800 square foot fire department. **Table 1** summarizes the trips generated per the *ITE Trip Generation Manual 10th Edition*. The existing site trip distribution and assignment are provided in **Appendix C**.

**Table 1 Existing Community Center and Fire Department Trip Generation**

Land Use	LU Code	Unit	Weekday	AM			PM		
				Total	In	Out	Total	In	Out
Community Center	495	11.5ksf	331	20	13	7	27	12	15
Fire Department*	575	8.8ksf	66	4	3	1	4	1	3
<b>Total</b>		<b>20.3ksf</b>	<b>397</b>	<b>24</b>	<b>16</b>	<b>8</b>	<b>31</b>	<b>13</b>	<b>18</b>

\*Since weekday and AM trip generation was not available in *ITE Trip Generation Manual* for Fire Department, the following assumptions were used in the trip generation:

1. Fire Department has the same total in AM and PM.
2. Inbound and outbound trips of Fire Department reverse in AM and PM.
3. The ratio of weekday trips versus AM trips is the same for Community Center and Fire Department.

The resulting traffic volumes based on the methodology previously described are illustrated in **Figure 3**.

### 2030 No Build Traffic Volumes

The 2021 existing traffic volumes were increased by an annual compounded growth rate of 0.5062% based on VDOT traffic data. The resulting 2030 no build traffic volumes are illustrated in **Figure 4**.

### Trip Generation

The proposed Fork Union Business Park will include approximately 550,000 square feet of light industrial/business park uses and is expected to be fully occupied by 2030. The *ITE Trip Generation Manual 10th Edition* was used to estimate the trips generated by the proposed Fork Union Business Park. **Table 2** summarizes the land use descriptions, ITE land use code, size, and anticipated trips.

**Table 2 Site Trip Generation**

Land Use	LU Code	Unit	Weekday	AM			PM		
				Total	In	Out	Total	In	Out
Industrial Park	130	550ksf	1854	220	178	42	220	46	174

As indicated in Table 2, the proposed Fork Union Business Park will generate 220 morning and 220 afternoon peak hour trips.

### Site Trip Distribution and Assignment

The site trip distribution percentages were assumed to be 70% heading south in the morning and 70% heading north in the afternoon (70% arriving from the north in the morning and 70% leaving to the north in the afternoon) and are illustrated in **Figure 5**.

The estimated site trips shown in Table 2 were assigned to the roadway network per the above distribution percentages and the resulting site trip assignment is illustrated in **Figure 6**.

### 2030 Build Traffic Volumes

The site trips shown in Figure 6 were added to the 2030 no build traffic volumes shown in Figure 4 resulting in the 2030 build traffic volumes illustrated in **Figure 7**.



## Traffic Operations Analyses

Traffic operations analyses were completed using Synchro/SimTraffic 11.0, a computer-based traffic operations model that replicates procedures from the *Highway Capacity Manual (HCM)*. The average vehicle delays (in seconds) for the intersection overall and for each turning movement, as well as the Level of Service (LOS) on a scale of A (best) to F (worst) as defined in the *HCM* are reported in Synchro, and the maximum queue lengths (in feet) for each turning movement are reported in SimTraffic. Both the Synchro and SimTraffic analyses were performed based on the latest *VDOT Traffic Operations and Safety Analysis Manual (TOSAM)*.

### 2021 Existing Conditions Analysis

The 2021 existing conditions analysis is based on the current intersection configuration, existing traffic control, 2021 existing traffic volumes, and the current *VDOT TOSAM* guidance. The Synchro HCM reports are provided in **Appendix D** and the SimTraffic queue reports in **Appendix E**. **Table 3** summarizes the 2021 existing delays, levels of service, and maximum queue lengths.

**Table 3 2021 Existing Delays, Levels of Service, and Queues**

Approach	Movement	Effective Storage	Existing AM			Existing PM		
			LOS	Delay (s.)	Maximum Queue (ft.)	LOS	Delay (s.)	Maximum Queue (ft.)
<b>1. Route 15/Route 6 (West River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
W River Road EB	EBL/T/R	-	B	10.7	65	B	11.7	68
Private Entrance WB	WBL/T/R	-	B	10.2	29	A	0.0	0
Route 15 NB*	NBL/T/R	-	A	7.6	26	A	7.8	34
Route 15 SB*	SBL/T/R	-	A	7.6	2	A	0.0	0
<b>2. Route 15/Route 6 West (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 6 WB	WBL/R	"325"	B	10.8	60	B	11.4	67
Route 15 NB	NBT/R	-	A	0.0	0	A	0.0	0
Route 15 SB*	SBL/T	"335"	A	0.0	0	A	0.0	0
<b>3. Route 15/Route 6 East (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 6 EB*	EBL/T	"360"	A	7.9	17	A	7.4	9
Route 6 WB	WBT/R	-	A	0.0	0	A	0.0	0
Route 15 SB	SBL/R	"300"	A	9.4	71	A	9.6	63
<b>4. Route 15/Route 6 North (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 15 WB	WBL/R	"300"	A	9.6	60	A	9.2	61
Route 15 NB	NBT/R	"335"	A	0.0	0	A	0.0	0
Route 15 SB*	SBL/T	-	A	7.8	62	A	7.7	54
<b>5. Route 15/Site Entrance</b> <span style="float:right"><i>Unsignalized</i></span>								
Entrance EB	EBL/R	-	B	10.2	22	B	10.4	26
Route 15 NB*	NBL/T	-	A	7.5	25	A	7.7	12
Route 15 SB	SBT	-	A	0.0	0	A	0.0	0
	SBR	110	A	0.0	0	A	0.0	0

"100": Distance to next intersection

\* Results were reported for the major movements (left turn movements) when there is a shared left/through lane at unsignalized intersections.

As shown in Table 3, all movements at the study intersections currently operate at LOS B or better and the queuing analysis results indicate that all queues are minimal.

### 2030 No Build Conditions Analysis

The 2030 no build conditions Synchro models are based on the current intersection configuration, existing traffic control, 2030 no build traffic volumes, and the current *VDOT TOSAM* guidance. The Synchro HCM reports are provided in **Appendix F** and the SimTraffic queue reports in **Appendix G**. **Table 4** summarizes the 2030 no build delays, levels of service, and maximum queue lengths.

**Table 4 2030 No Build Delays, Levels of Service, and Queues**

Approach	Movement	Effective Storage	2030 No Build AM			2030 No Build PM		
			LOS	Delay (s.)	Maximum Queue (ft.)	LOS	Delay (s.)	Maximum Queue (ft.)
<b>1. Route 15/Route 6 (West River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
W River Road EB	EBL/T/R	-	B	10.8	66	B	11.9	70
Private Entrance WB	WBL/T/R	-	B	10.3	26	A	0.0	0
Route 15 NB*	NBL/T/R	-	A	7.6	36	A	7.8	42
Route 15 SB*	SBL/T/R	-	A	7.6	2	A	0.0	0
<b>2. Route 15/Route 6 West (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 6 WB	WBL/R	"325"	B	10.8	62	B	11.5	69
Route 15 NB	NBT/R	-	A	0.0	0	A	0.0	0
Route 15 SB*	SBL/T	"335"	A	0.0	0	A	0.0	0
<b>3. Route 15/Route 6 East (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 6 EB*	EBL/T	"360"	A	7.9	11	A	7.4	6
Route 6 WB	WBT/R	-	A	0.0	0	A	0.0	0
Route 15 SB	SBL/R	"300"	A	9.5	64	A	9.7	62
<b>4. Route 15/Route 6 North (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 15 WB	WBL/R	"300"	A	9.6	68	A	9.2	64
Route 15 NB	NBT/R	"335"	A	0.0	0	A	0.0	0
Route 15 SB*	SBL/T	-	A	7.8	43	A	7.7	54
<b>5. Route 15/Site Entrance</b> <span style="float:right"><i>Unsignalized</i></span>								
Entrance EB	EBL/R	-	B	10.2	22	B	10.6	29
Route 15 NB*	NBL/T	-	A	7.5	20	A	7.7	12
Route 15 SB	SBT	-	A	0.0	0	A	0.0	0
	SBR	110	A	0.0	0	A	0.0	0

"100": Distance to next intersection

\* Results were reported for the major movements (left turn movements) when there is a shared left/through lane at unsignalized intersections.

As shown in Table 4, all movements at the study intersections will operate at LOS B or better and the queuing analysis results indicate all queues will be minimal.

### 2030 Build Conditions Analysis

Turn lane warrant analyses were performed for the Route 15 and site entrance intersection based on the 2030 build traffic volumes and *VDOT Roadway Design Manual*. The turn lane warrant forms are included in **Appendix H** and the results are summarized in **Table 5**.

**Table 5 Turn Lane Warrant Analysis Summary**

	2030 Build AM	2030 Build PM
Route 15 Northbound Left Turn	Warranted	Not Warranted
Route 15 Southbound Right Turn	Warranted	Not Warranted

The results in Table 5 indicate that both a northbound left turn lane and southbound right turn lane are warranted and that both lanes should provide 200 feet of storage and a 200 foot taper.

The 2030 build conditions Synchro models are based on the current intersection configuration with the above warranted turn lanes, existing traffic control, 2030 build traffic volumes, and the current *VDOT TOSAM* guidance. The Synchro HCM reports are provided in **Appendix I** and the SimTraffic queue reports in **Appendix J**. **Table 6** summarizes the 2030 build delays, levels of service, and maximum queue lengths.

**Table 6 2030 Build Delays, Levels of Service, and Queues**

Approach	Movement	Effective Storage	2030 Build AM			2030 Build PM		
			LOS	Delay (s.)	Maximum Queue (ft.)	LOS	Delay (s.)	Maximum Queue (ft.)
<b>1. Route 15/Route 6 (West River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
W River Road EB	EBL/T/R	-	B	11.8	74	B	13.1	78
Private Entrance WB	WBL/T/R	-	B	10.9	26	A	0.0	0
Route 15 NB*	NBL/T/R	-	A	7.6	43	A	8.0	51
Route 15 SB*	SBL/T/R	-	A	7.7	3	A	0.0	0
<b>2. Route 15/Route 6 West (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 6 WB	WBL/R	"325"	B	12.4	83	B	13.0	80
Route 15 NB	NBT/R	-	A	0.0	0	A	0.0	0
Route 15 SB*	SBL/T	"335"	A	0.0	0	A	0.0	0
<b>3. Route 15/Route 6 East (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 6 EB*	EBL/T	"360"	A	8.0	5	A	7.4	3
Route 6 WB	WBT/R	-	A	0.0	0	A	0.0	0
Route 15 SB	SBL/R	"300"	A	9.8	70	A	9.9	67
<b>4. Route 15/Route 6 North (East River Road)</b> <span style="float:right"><i>Unsignalized</i></span>								
Route 15 WB	WBL/R	"300"	A	9.7	59	A	9.8	60
Route 15 NB	NBT/R	"335"	A	0.0	0	A	0.0	0
Route 15 SB*	SBL/T	-	A	7.8	63	A	7.9	70
<b>5. Route 15/Site Entrance</b> <span style="float:right"><i>Unsignalized</i></span>								
Entrance EB	EBL/R	-	B	10.8	71	C	15.7	120
Route 15 NB	NBL	300	A	8.1	59	A	8.0	40
	NBT	-	A	0.0	0	A	0.0	0
Route 15 SB	SBT	-	A	0.0	0	A	0.0	0
	SBR	300	A	0.0	0	A	0.0	0

"100": Distance to next intersection

\* Results were reported for the major movements (left turn movements) when there is a shared left/through lane at unsignalized intersections.

As shown in Table 6, all movements at the study intersections will operate at LOS C or better and the queuing analysis results indicate that all queues will be minimal.

## Crash Analyses

Crash analyses were performed at the study intersections using VDOT Crash Data and is summarized in **Appendix K**. At the three intersections of Route 15 and Route 6 (East River Road), there were eight crashes in the most recent eight year period analyzed. Four of the crashes were angle, three were fixed object related, and one crash was a rear end.

At the Route 15 and Route 6 (West River Road) intersection, there were six crashes in the most recent eight year period. Four crashes were fixed object related and two crashes were rear end.

At the Route 15 and site entrance intersection, there were three crashes in the most recent eight year period analyzed. Two crashes were animal related and one crash was a rear end.

Based on the above crash data and analysis, the crash history does not indicate any safety concerns at the study intersections.



## Findings and Recommendations

**Based on the analyses summarized in this memorandum, the principal findings are as follows:**

- The proposed Fork Union Business Park will generate 220 morning and 220 afternoon peak hour trips.
- All movements at the study intersections currently operate at LOS B or better and queues are minimal. These conditions are expected to continue in 2030 without the addition of the Fork Union Business Park.
- With the addition of the Fork Union Business Park all movements at the study intersections operate at LOS C or better with minimal queues.
- **The impact of the proposed Fork Union Business Park on the study intersections will be minimal.**
- At the Route 15 and site entrance intersection, a northbound left turn lane (200 feet of storage and a 200 foot taper) and a southbound right turn lane (200 feet of storage and a 200 foot taper) will be warranted.
- Based on the crash history over the most recent eight year period there are no safety concerns at the study intersections.

**Based on the above findings, construction of a 200 foot northbound left turn lane with a 200 foot taper is recommended along with extension of the existing southbound right turn lane to 200 feet of storage with a 200 foot taper.**

Note that the analysis results for the site access road were based on retaining one site egress lane consisting of a shared right and left turn lane. However, it is advisable to consider potential benefits of having two egress lanes. Two lanes may be beneficial in the case that higher truck trips are present and actual future queueing for the egress movements are higher than predicted with this analysis. Two egress lanes could also be beneficial to the fire department / EMS usage to decrease the potential for site egress delays.

**End of Memorandum**

## Appendices

Appendix A VDOT Scoping Form

Appendix B Traffic Count Reports

Appendix C Existing Land Use Trip Distribution and Assignment

Appendix D Existing HCM Reports

Appendix E Existing SimTraffic Queue Reports

Appendix F 2030 No Build HCM Reports

Appendix G 2030 No Build SimTraffic Queue Reports

Appendix H Turn Lane Warrant Forms

Appendix I 2030 Build HCM Reports

Appendix J 2030 Build SimTraffic Queue Reports

Appendix K Crash Analyses Graphics



## PRE-SCOPE OF WORK MEETING FORM

### Information on the Project Traffic Impact Analysis Base Assumptions

The applicant is responsible for entering the relevant information and submitting the form to VDOT and the locality no less than three (3) business days prior to the meeting. If a form is not received by this deadline, the scope of work meeting may be postponed.

Contact Information			
Consultant Name: Tele: E-mail:	Bill Wuensch, P.E., PTOE, EPR, PC 8046477700 w.wuensch@epr-pc.com		
Developer/Owner Name: Tele: E-mail:	Bryan Rothamel Economic Development Coordinator Fluvanna County brothamel@fluvannacounty.org (434) 591-1900 x1053		
Project Information			
Project Name:	Fork Union Business Park	Locality/County:	Fluvanna
Project Location: (Attach regional and site specific location map)	North of Route 6 along Route 15 (north of Fork Union area)		
Submission Type	Comp Plan <input type="checkbox"/>	Rezoning <input checked="" type="checkbox"/>	Site Plan <input type="checkbox"/> Subd Plat <input type="checkbox"/>
Project Description: (Including details on the land use, acreage, phasing, access location, etc. Attach additional sheet if necessary)	County Industrial Park - 539.65ksf. Access will be directly from Route 15. See attached concept.		
Proposed Use(s): (Check all that apply; attach additional pages as necessary)	Residential <input type="checkbox"/>	Commercial <input type="checkbox"/>	Mixed Use <input type="checkbox"/> Other <input checked="" type="checkbox"/>

It is important for the applicant to provide sufficient information to county and VDOT staff so that questions regarding geographic scope, alternate methodology, or other issues can be answered at the scoping meeting.



	<b>Residential Uses(s)</b> Number of Units: _____ ITE LU Code(s): _____  <b>Commercial Use(s)</b> ITE LU Code(s): _____ _____ _____ Square Ft or Other Variable: _____	_____ _____ _____ <b>Other Use(s)</b> ITE LU Code(s): 130 Light Industrial Park Independent Variable(s): GFA 550 ksf _____		
<b>Total Peak Hour Trip Projection:</b>	Less than 100 <input type="checkbox"/>	100 – 499 <input checked="" type="checkbox"/>	500 – 999 <input type="checkbox"/>	1,000 or more <input type="checkbox"/>
<b>Traffic Impact Analysis Assumptions</b>				
<b>Study Period</b>	Existing Year: 2021	Build-out Year: 2030	Design Year: 2030	
<b>Study Area Boundaries</b> (Attach map)	North: Route 6/Route 15 (East River Road)		South: Route 6/Route 15 (West River Road) intersection in Fork Union	
	East: Site		West: Site	
<b>External Factors That Could Affect Project</b> (Planned road improvements, other nearby developments)	None known.			
<b>Consistency With Comprehensive Plan</b> (Land use, transportation plan)	Yes			
<b>Available Traffic Data</b> (Historical, forecasts)	VDOT historical data			
<b>Trip Distribution</b> (Attach sketch)	Road Name: Route 15 Directional by peak hour: AM: 70% arrive from the north, 30% arrive from the south, 30% depart to the north, 70% depart to the south PM: 30% arrive from the north, 70% arrive from the south, 70% depart to the north, 30% depart to the south		Road Name: Rt 6 intersection in Fork Union - per TMC	
	Road Name:		Road Name:	
<b>Annual Vehicle Trip</b>		<b>Peak Period for Study</b> (check all that apply)	<input checked="" type="checkbox"/> AM <input checked="" type="checkbox"/> PM <input type="checkbox"/> SAT	

It is important for the applicant to provide sufficient information to county and VDOT staff so that questions regarding geographic scope, alternate methodology, or other issues can be answered at the scoping meeting.

Growth Rate:	0.5062% (SPS factor)	Peak Hour of the Generator	
Study Intersections and/or Road Segments (Attach additional sheets as necessary)	1.Route 15 at site entrance	6.	
	2.Route 15 at Route 6 (Fork Union)	7.	
	3.Route 15 at West RIVER Road	8.	
	4.	9.	
	5.	10.	
Trip Adjustment Factors	Internal allowance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reduction: ____% trips	Pass-by allowance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reduction: % trips	
Software Methodology	<input checked="" type="checkbox"/> Synchro <input type="checkbox"/> HCS (v.2000/+) <input checked="" type="checkbox"/> aaSIDRA <input type="checkbox"/> CORSIM <input checked="" type="checkbox"/> Other simtraffic for queuing (average of 10 runs - following TOSAM)		
Traffic Signal Proposed or Affected (Analysis software to be used, progression speed, cycle length)	None proposed or existing.		
Improvement(s) Assumed or to be Considered	Turn lanes at site, site egress geometry.		
Background Traffic Studies Considered	None known		
Plan Submission	<input type="checkbox"/> Master Development Plan (MDP) <input type="checkbox"/> Generalized Development Plan (GDP) <input type="checkbox"/> Preliminary/Sketch Plan <input checked="" type="checkbox"/> Other Plan type (Final Site, Subd. Plan)		
Additional Issues to be Addressed	<input checked="" type="checkbox"/> Queuing analysis <input type="checkbox"/> Actuation/Coordination <input type="checkbox"/> Weaving analysis <input type="checkbox"/> Merge analysis <input type="checkbox"/> Bike/Ped Accommodations <input checked="" type="checkbox"/> Intersection(s) <input type="checkbox"/> TDM Measures <input checked="" type="checkbox"/> Other Access Configuration		

## NOTES on ASSUMPTIONS:

Analysis will be per the VDOT TOSAM, and scoping document.

Trip Gen is 220 in both the AM and PM, and 1819 Daily ( LU 130).

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Applicant or Consultant

It is important for the applicant to provide sufficient information to county and VDOT staff so that questions regarding geographic scope, alternate methodology, or other issues can be answered at the scoping meeting.

# MASTER PLAN REPORT FORK UNION COMMERCE PARK

Fluvanna County, Virginia



January 2022

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## Contact Information

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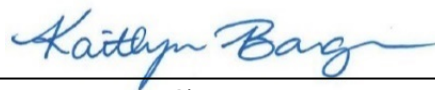


Draper Aden  
Associates



**3<sup>RD</sup> PARTY REVIEW**

This Report has been subjected to technical and quality reviews by:



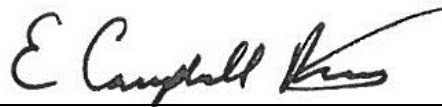
01/27/22

---

Name: Kaitlyn Barger, EIT  
Engineer

Signature

Date



01/27/22

---

Name: E. Campbell Bolton, PE  
Project Manager

Signature

Date



01/27/22

---

Name: Carolyn A. Howard, PE  
Quality Reviewer

Signature

Date

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## **APPENDIX (refer to separate document)**

- A. TOPOGRAPHIC SURVEY AND COMPILED BOUNDARY, DRAPER ADEN ASSOCIATES, APRIL 13, 2021
- B. PRELIMINARY JURISDICTIONAL DETERMINATION REQUEST, DRAPER ADEN ASSOCIATES, JUNE 3, 2021
- C. PRELIMINARY GEOTECHNICAL ENGINEERING REPORT, DRAPER ADEN ASSOCIATES, SEPTEMBER 1, 2021
- D. PHASE 1 ENVIRONMENTAL ASSESSMENT REPORT, DRAPER ADEN ASSOCIATES, JUNE 1, 2021
- E. THREATENED AND ENDANGERED SPECIES REVIEW DRAPER ADEN ASSOCIATES, JANUARY 18, 2022
- F. CULTURAL RESOURCES ASSESSMENT, DRAPER ADEN ASSOCIATES, JUNE 1, 2021
- G. TRAFFIC IMPACT STUDY, ENGINEERING & PLANNING RESOURCES, NOVEMBER 1, 2021
- H. FORK UNION COMMERCE PARK ORDER OF MAGNITUDE ESTIMATE OF PROBABLE COSTS, DRAPER ADEN ASSOCIATES, JANUARY 18, 2022



## 1.0 GENERAL SITE INFORMATION

### 1.1 Location and Access

The Fluvanna County Economic Development Authority owns five parcels located at 5725 James Madison in Fork Union, Virginia. These parcels are known as the Fork Union Commerce Park. The Fluvanna County Parks and Recreation Community Center and Fork Union Fire Department are located on the southeast portion of the site, directly adjacent to James Madison Highway. The Fork Union Military Academy is located to the south and the Town of Dixie is located to the North. Refer to Figure 1: Vicinity Map.

The site's primary access point is James Madison Highway (US Route 15) utilizing the Community Center's existing access drive. James Madison Highway is classified by the Virginia Department of Transportation (VDOT) as a Minor Arterial road. Access to Interstate 64 is approximately 17 miles to the northwest along US Route 15.

The Commerce Park currently consists of five parcels; refer to Figure 3 and Table 1. The lots will likely be subdivided as the park develops. The proposed master plan divides the development into four phases. Each phase includes graded pad site(s) and a potential building layout. Refer to Section 4 of the report.

Key Site Information	
<b>Total Area</b>	132.66 Acres
<b>Available Area</b>	132.66 Acres
<b>Largest Contiguous Area</b>	17.8 Acres
<b>Total Developable Area</b>	40.72 Acres
<b>Existing Zoning</b>	I-1/A-1
<b>4 Lane</b>	Route 11
<b>Interstate</b>	I-81/ 3.2 mi
<b>Water</b>	6-inch in Route 15
<b>Sewer</b>	Septic
<b>Natural Gas</b>	Columbia Gas
<b>Power</b>	Dominion Energy
<b>Telecom</b>	Firefly broadband

*Table 1: Existing Parcels*

Parcel ID	Acres	Status
51-A-129	10.000	Partially developed
51-A-130	8.763	Undeveloped
51-A-129A	86.641	Undeveloped
51-A-139	10.000	Undeveloped
51-A-138	17.252	Undeveloped
<b>Total Acreage</b>	<b>132.656</b>	

## 1.2 Zoning

Parcels 51-A-129 and 51-A-129A are classified as Industrial, Limited, I-1 per Fluvanna County's Geographical Mapping (GIS). Parcels 51-A-130, 51-A-138, and 51-A-139 are classified as Agricultural, General, A-1 per Fluvanna County's GIS. Parcels 51-A-130, 51-A-138, and 51-A-139 are proposed to be rezoned in the near future. The adjacent properties are classified as Agricultural, General, A-1 per Fluvanna County's GIS. Refer to Figure 2: Zoning Map.

## **2.0 EXISTING CONDITIONS**

### **2.1 Topography**

The site has slopes that range between 5% and 33%. Refer to Figure 3: Existing Conditions and Appendix A for the Topographic Survey and Compiled Boundary. The highpoint is located through the middle of the site. The developable area is divided by existing perennial and intermittent streams to the north and south, where shown on Figure 3. The majority of the drainage from the site is tributary to Judy Creek, which is adjacent to the west property boundary.

### **2.2 Waters of the U.S.**

There are 21 delineated streams (including seeps), and 12 wetlands, fringes, and vernal pools that were identified within the Preliminary Jurisdictional Determination Request (Appendix B), where shown on Figure 4. Refer to Appendix B for additional information.

### **2.3 FEMA Regulatory Floodplains**

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) define the regulatory base flood elevation and area encumbered by flooding from the one-percent annual chance (a.k.a. 100-year) storm event along streams and riverine systems. The property is not encumbered by a FEMA regulatory floodplain. Refer to Figure 5.

### **2.4 Geotechnical Exploration and Evaluation**

A Preliminary Geotechnical Engineering Report was completed by Draper Aden Associates on September 1, 2021; refer to Appendix C. There were 7 borings completed throughout the site. In general, 6-inches of topsoil was observed across the site. Proposed slopes are recommended to be a maximum of 3:1 due to the stability of the existing soils. A design-phase Geotechnical Exploration is recommended once a prospective industry provides detailed design information for the buildings.



## **2.5 Phase 1 Environmental Site Assessment (ESA)**

A Phase 1 Environmental Assessment Report was completed by Draper Aden Associates on June 1, 2021; refer to Appendix D. One recognized environmental condition was found based on documentation of the site. However, it was determined based on the information available that it does not pose a current risk to the environment or human health.

## **2.6 Threatened and Endangered (T&E) Species Review**

Four federally listed species, were identified as potentially present within the project area, including the James Spiny mussel, Atlantic Pigtoe, Yellow Lance, and Northern Long Eared bat (NLEB). Direct consultation with USFWS is recommended for the James Spiny mussel to determine if a habitat or species survey may be warranted. A site-specific species survey may support elimination of the time-of-year-restriction (TOYR). Consultation with USFWS is recommended for the NLEB once site development plans are in place including tree clearing activities.

An additional species were also identified on the state threatened and endangered lists as potentially present within the project area, including the Loggerhead Shrike and Migrant Loggerhead Shrike, Little Brown and Tri-colored bats, and Green Floater and Brook Floater. Direct consultation with VDGIF is recommended prior to construction. A site-specific species survey may support elimination of the TOYR.

The complete Threatened and Endangered Species Review report can be found in Appendix E.

## **2.7 Cultural Resources Assessment**

A Cultural Resource Assessment of the site was completed by Draper Aden Associates on June 1, 2021. Two resources, the Fluvanna Community Center and an onsite cemetery, were identified on site. Refer to Figure 3 for the location of the cemetery. Once a prospective industry is identified, survey efforts can be conducted to eliminate disturbance archaeological resource areas identified in the Cultural Resources Report. The complete Cultural Resource Assessment can be found in Appendix F.

## 3.0 INFRASTRUCTURE

### 3.1 Water

This section describes the design criteria, projected demands, and hydraulic calculations to supply water to the Fork Union Commerce Park. All water will be provided through a connection to the existing Fluvanna County 6-inch water main along Highway 15. The connection will be at the entrance of the Fork Union site located approximately 115 feet north of the intersection of Highway 15 and the entrance to the Fluvanna Community Center.

#### 3.1.1 Design Criteria

Fluvanna County water and sewer standards are in the process of being updated and were not available at the time this study was prepared, thus standards for an adjacent locality, Louisa County were used instead along with Virginia Department of Health (VDH) Waterworks Regulations (Virginia Administrative Code Title 12, Agency 5, Chapter 590). The key guidelines are summarized below:

- Average daily demand (ADD) is calculated based on the proposed development acreage and land use
- Maximum daily demands (MDD) are 1.7 times the ADD.
- Peak hourly demands (PHD) are 4.0 times the ADD.
- Fire flow is 2,000 GPM for 2 hours for Light Industrial.
- Minimum pressure is 20 psi based on the greater of PHD or MDD plus fire flow.

#### 3.1.2 Demand Projections

Anticipated water demands were calculated for Options 1 and 2 based on the design criteria outlined in Section 3.1.1. Projected water demands for Options 1 and 2 are presented in the following tables.

**Table 3-1. Projected Water Demands Based on Developable Acreage**

Option	Land Use	Acreage	Domestic Water Demand Allocations per Developable Acre (gpd/acre)*	Fire Flow Demand (gpm)*	ADD (GPD)	ADD (GPM)	MDD (GPM)**	PHD (GPM)***
1	Light Industrial	38.7	500		19,350	13.4	22.8	53.6
2	Light Industrial	34	500		17,000	11.8	20.1	47.2
	Fire Flow			2,000				

\*Per Louisa County Water Authority Standards

\*\*MDD are 1.7 times the ADD

\*\*\*PHD are 4.0 times the ADD

The following tables show the resulting cumulative system demands for Options 1 and 2.

**Table 3-2. Cumulative Demands**

Item	Demand (gpm)	
	Option 1	Option 2
ADD	13.4	11.8
MDD	22.8	20.1
MDD + Fire Flow	2,022.8	2020.1
PHD	53.6	47.2

### 3.1.3 Existing Water System

Water service for the Fork Union Commerce Park is provided by a 6-inch water main that runs along Highway 15. The County performed a fire flow test on the hydrant near the entrance to the Fluvanna Community Center on April 7, 2011. The results are summarized below in Table 3-3.



**Table 3-3. Fire Flow Test Results**

Static Pressure at Test Hydrant	85 PSI
Residual Pressure at Test Hydrant	39 PSI
Pitot Pressure During Flow	8 PSI
Test Flow	816 GPM
Orifice Diameter of Flow Hydrant	2.5 in
Coefficient of Discharge	0.7
Desired Pressure at Test Hydrant	20 PSI
Flow Available at 20 PSI	979.80 GPM

The hydrant test showed an available fire flow of 979.80 GPM at the minimum pressure of 20 PSI. A hydraulic model was not available for the County, so it was not possible to evaluate impacts at this site on the rest of the County water system.

Required fire flow for the site was determined from the Louisa County Water and Sewer Utility Standards as indicated in Table 3-1 and summarized below:

- Minimum fire flow demand is 2,000 GPM, however, if 2,000 gallons per minute is not possible, a minimum of 500 GPM may be considered on a case-by-case basis

#### 3.1.4 Sizing Water Mains for Domestic and Fire Flows

The maximum water main size is limited to the size of the tie-in main in Highway 15, which is 6 inches. Water mains are sized based on the greater of MDD plus fire flow or PHD. Per the results of the hydrant test, the existing 6-inch water main can meet domestic demands but cannot meet fire flow demands. This fire flow deficiency can be mitigated if the new water treatment plant is located within the Industrial Park. The water treatment plant will likely be capable of meeting the fire flow requirements within the Industrial Park. Another option to meet the fire flow requirement is on-site storage. The maximum size water storage tank required to meet the fire flow demand is 240,000 gallons based on the 2,000 GPM fire flow demand over a period of 2 hours, however the size may vary depending on actual required fire flow. Due to limited knowledge on the future use of the site, the fire flow requirements should be re-evaluated to determine whether the existing 6-inch water main can meet the requirements and if on-site storage is required. Based on potential site layouts,

the site will require approximately 2,600 linear feet of water main. All pipes are assumed to be 6 inches.

It is noted that the demands calculated in this analysis are based on generic light industrial use. Actual water usage varies significantly by the type of industrial use. Once a potential industry has been identified for this site, these results should be verified based on anticipated demand for that industry.

## **3.2 Wastewater**

This section describes the design criteria to determine sewer design flows, collection, and treatment for Options 1 and 2.

### **3.2.1 Design Criteria**

Fluvanna County water and sewer standards are in the process of being updated and were not available at the time this study was prepared, thus standards for an adjacent locality, Louisa County were used instead along with Virginia Department of Environmental Quality Sewage Collection and Treatment Regulations. Key design criteria and assumptions are summarized below:

- Flows for Light Industrial zoning is 500 GPD/Acre.
- Average daily flows (ADF) are shown in Table 3-4. Peaking factor is assumed to be 4 times the ADF per Louisa County Standards.

### **3.2.2 Flow Projections**

Anticipated wastewater demands were calculated for Options 1 and 2 based on the design criteria outlined in Section 3.2.1. Projected wastewater demands for Options 1 and 2 are presented in Table 3-4.

**Table 3-4. Projected Sewer ADF Based on Developable Acreage**

<b>Option</b>	<b>Land Use Description</b>	<b>Acreage</b>	<b>Flow gpd/acre*</b>	<b>Flow duration (hours)</b>	<b>ADF (GPD)</b>	<b>ADF (GPM)</b>	<b>Peak Flow (GPM)**</b>
<b>1</b>	Light Industrial	38.7	500	24	19,350.0	13.4	53.6
<b>2</b>	Light Industrial	34	500	24	17,000.0	11.8	47.2

\*Per Louisa County Water Authority Standards

\*\*Peak Flow is 4 times the ADF

### 3.2.3 Treatment Options

Public sewer in the vicinity of the Fork Union site is not available, therefore, there are two options for providing sewer for the site. Option 1 consists of an on-site septic system, which includes both individual septic systems for each lot and a mass septic system for the entire Industrial Park. Option 2 consists of a package wastewater treatment plant.

#### Option 1 – On-site septic system

Option 1 consists of two sub options, with Option 1a being individual septic systems for each lot and Option 1b being one large septic system for the entire site. On-site septic systems are designed based on the ADF for the type and size of the facility and peak flows are handled by the septic tanks and pumps.

Option 1a consists of individual septic systems for each proposed lot. The ADF of 17,000-19,350 gpd shown in Table 3-4 was divided among the five individual lots, resulting in an ADF of 3,400-3,930 gpd for each lot. According to soil percolation calculation requirements, this flow would require approximately 2 acres per lot to accommodate the drainfield and septic tanks. This size requirement assumes no pretreatment of the waste. Further evaluation of the soils will be required to determine their suitability for on-site septic systems.

Option 1b consists of a mass septic system for the entire Industrial Park. The ADF of 17,000-19,350 gpd shown in Table 3-4 can be accommodated with a single drainfield of approximately 6 acres, including a primary drainfield, reserve drainfield, and septic tanks. Six acres is the minimum space required based off soil percolation requirements. It is assumed there would be no pretreatment of



the waste. This scenario would require a licensed Class I operator to be available but would not require them to be on-site daily.

### **Option 2 - Package Wastewater Treatment Plant**

Option 2 consists of a package Wastewater Treatment Plant (WWTP) designed to accommodate flow from the entire Industrial Park. The exact type of WWTP is unknown at this time and will require more information including the actual use of the park to determine WWTP permit discharge limits, defined by DEQ. Judy Creek, which runs along the Northwestern edge of the site, is likely a feasible discharge point for the treatment plant. Adequate space is available on the site for a package WWTP, adjacent to and within a portion of Pad D; refer to Figure 7.

Pros and cons for each option are presented below.

#### **Individual Lot On-site septic system**

Pros: Cost-effective, easy to install and operate

Cons: Limited by soil conditions

#### **Mass On-site septic system**

Pros: Only one drainfield, cost-effective and easy to install

Cons: Requires a licensed operator, limited by soil conditions

#### **Package WWTP**

Pros: Can handle all flows and is scalable if flows increase

Cons: Expensive to construct, operate and maintain, requires a licensed operator

### **3.3 Electric, Gas, and Fiber**

The site is within Dominion Energy service territory. Locality and/or landowner should contact power provider prior to formally engaging a prospect and/or prospective industry to validate the availability of power to the site.

The site is within the Columbia Gas of Virginia Territory. Locality and/or landowner should contact the gas company provider prior to formally engaging a prospect and/or prospective industry to validate the availability of power to the site.

The site is located within Firefly broadband coverage networks. Locality and/or landowner should contact fiber provider prior to formally engaging a prospect and/or prospective industry to validate the availability of fiber to the site.

### **3.4 Roads**

A Traffic Impact Study was performed by Engineering & Planning Resources on November 1, 2021. Refer to the Appendix G for the Traffic Impact Study. Based on traffic study, there will be minimal impact to the existing entrance with the construction of the Commerce park, and the following improvements at the intersection of Route 15 will be required with the development of the site, which may necessitate additional right-of-way acquisition and will require review and approval by VDOT. Refer to Figure 6.

1. A northbound left-turn lanes with 200 feet of storage with a 200-foot taper
2. Extension of the existing southbound right-turn lane to 200 feet of storage with a 200-foot taper

## 4.0 CONCEPT DEVELOPMENT PLANS

### 4.1 Phasing

Figures 7 through 11 provide an overall potential build-out scenario for the undeveloped parcels within Fork Union Commerce Park, including building size, parking, and site circulation. This concept development plan is provided as a tool for Fluvanna County and prospects to visualize the park's potential. The pad areas shown were optimized to minimize impacts to the water of the U.S. and provide a roughly balanced earthwork per construction phase, except for phase 4, which requires imported fill.

Four phase approach to the development of the park is recommended. Refer to the table below for the breakdown of each phase.

1. Phase 1: Construction of an 1770-foot access road with a 5-foot sidewalk on one side from the Community Center and a 6-inch water main parallel to the road, and mass grading of Pad A and B (Figure 8)
2. Phase 2: Mass grading of Pad C, south of the main access road (Figure 9)
3. Phase 3: Construction of an 805-foot extension of the access road with a 5-foot sidewalk, and 6-inch water main parallel to the road, and mass grading of Pad D (Figure 10)
4. Phase 4: Construction of the phase 4 access road and parallel 6-inch water main with a loop connection to the Fluvanna County Burn Building, and mass grading of Pad E (Figure 11)

*Table 4: Building Pad Areas*

<b>Phase / Pad</b>	<b>1/A</b>	<b>1 / B</b>	<b>2/ C</b>	<b>3 / D</b>	<b>4 / E</b>
<b>Building Pad Area (acres)</b>	11.3	1.3	6.3	17.8	4

The cost and grading for the sites were evaluated per each phase. Refer to Section 5 of this report. It is recommended that Phase 1 be constructed first. Following construction of the initial access road, the remaining phases can be constructed, as market and prospect activity necessitate.

It is assumed that any required stormwater management measures will be incorporated within the footprint of the grading pad. Stormwater management requirements could be met by either above ground measures, underground measures, or a combination of both. Once a prospect and design

criteria are obtained, each site will need to be further evaluated to determine the total stormwater management requirements.

If an onsite septic system is required for each site, then the system will also need to be incorporated into the area of the pad site due to the steep tie in grades and existing steep slopes.

## **4.2 Potential Community Assets**

The Commerce Park can also be developed to provide amenities for the community and the region. The adjacent community center offers parking that could serve as a trailhead for an approximately 2-mile recreational trail system that would start with the sidewalk along the proposed road and then branch off into natural surface trails along the existing streams circling back to the community center. The trail system along with educational signage describing the surrounding wetlands, stream, and forest could provide additional benefit to the county. Additionally, the areas along the streams could also be planned for use as a public or private disc golf course with minimal disruption to the natural environment.



## 5.0 ORDER OF MAGNITUDE OPINIONS OF PROBABLE PROJECT COSTS

The order of magnitude opinion of probable project costs (OOM estimates) per phase were developed based on the topographic survey and a conceptual grading plan for each pad site and the access roads. A summary of the OOM estimates is provided in Table 5, and the detailed estimated are included in Appendix H.

1. Phase 1: Construction of an 1770-foot access road with a 5-foot sidewalk on one side from the Community Center and a 6-inch water main parallel to the road, and mass grading of Pad A and B (Figure 8)
2. Phase 2: Mass grading of Pad C, south of the main access road (Figure 9)
3. Phase 3: Construction of an 805-foot road with a 5-foot sidewalk and 6-inch water main parallel extension to Pad D, and mass grading of Pad D (Figure 10)
4. Phase 4: Construction of the phase 4 access road and parallel 6-inch water main with a loop connection to the Fluvanna County Burn Building, and mass grading of Pad E (Figure 11)

*Table 5: OOM Estimates Per Phase*

<b>Phase / Pad</b>	<b>1/A &amp; B</b>	<b>2 / C</b>	<b>3 / D</b>	<b>4 / E</b>
<b>OOM Estimate</b>	\$2,900,000	\$1,100,000	\$3,400,000	\$1,300,000

The OOM estimates of probable project costs are based on the following assumptions.

- A. Construction of the access roads, water main extensions, and pad site mass grading and related erosion and sediment controls and stormwater management facilities are included.
- B. Related professional service fees for additional geotechnical services and design and permitting are included.
- C. Site development, including parking and access drives, and associated utilities for each pad site are not included.
- D. Permit fees are excluded.
- E. Wastewater system improvements are not included.
- F. Electric, gas, telecommunications, and fiber service improvements are not included.

- G. Construction engineering inspection costs are not included, since cost vary based on funding sources.

The OOM estimate for the US Route 15 widening is approximately \$450,000, based on information available to date, and does not include right-of-way acquisition, if required. Additional survey and property research is required to verify the estimate.

The OOM estimate for a package Wastewater Treatment Plant (WWTP) is \$500,000.

## 5.1 Funding Options

VDOT Economic Development Access Program can provide \$500,000 plus up to \$150,000 with a match for the design and construction of the road. The following is an excerpt from the Resolution of the Commonwealth Transportation Board dated December 7, 2016 describing one of the terms for the funding. Additional information can be found here: <https://www.virginiadot.org/business/local-assistance-access-programs.asp>

Not more than \$500,000 of unmatched economic development access funds may be allocated in any fiscal year for use in any county, city or town which receives highway maintenance payments under Section 33.2-319, of the Code. A town whose streets are maintained under either Section 33.2-339 or 33.2-340, of the Code, shall be considered as part of the county in which it is located. The maximum eligibility of unmatched funds shall be limited to 20% of the capital outlay of the designated eligible establishments and certain investment by the locality in the land and/or the building on the site occupied by the designated eligible establishment. The unmatched eligibility may be supplemented with additional economic development access funds, in which case the supplemental access funds shall not be more than \$150,000, to be matched dollar-for-dollar from funds other than those administered by this Board. Such supplemental funds shall be considered only if the total estimated cost of eligible items for the economic development access improvement exceeds \$500,000.

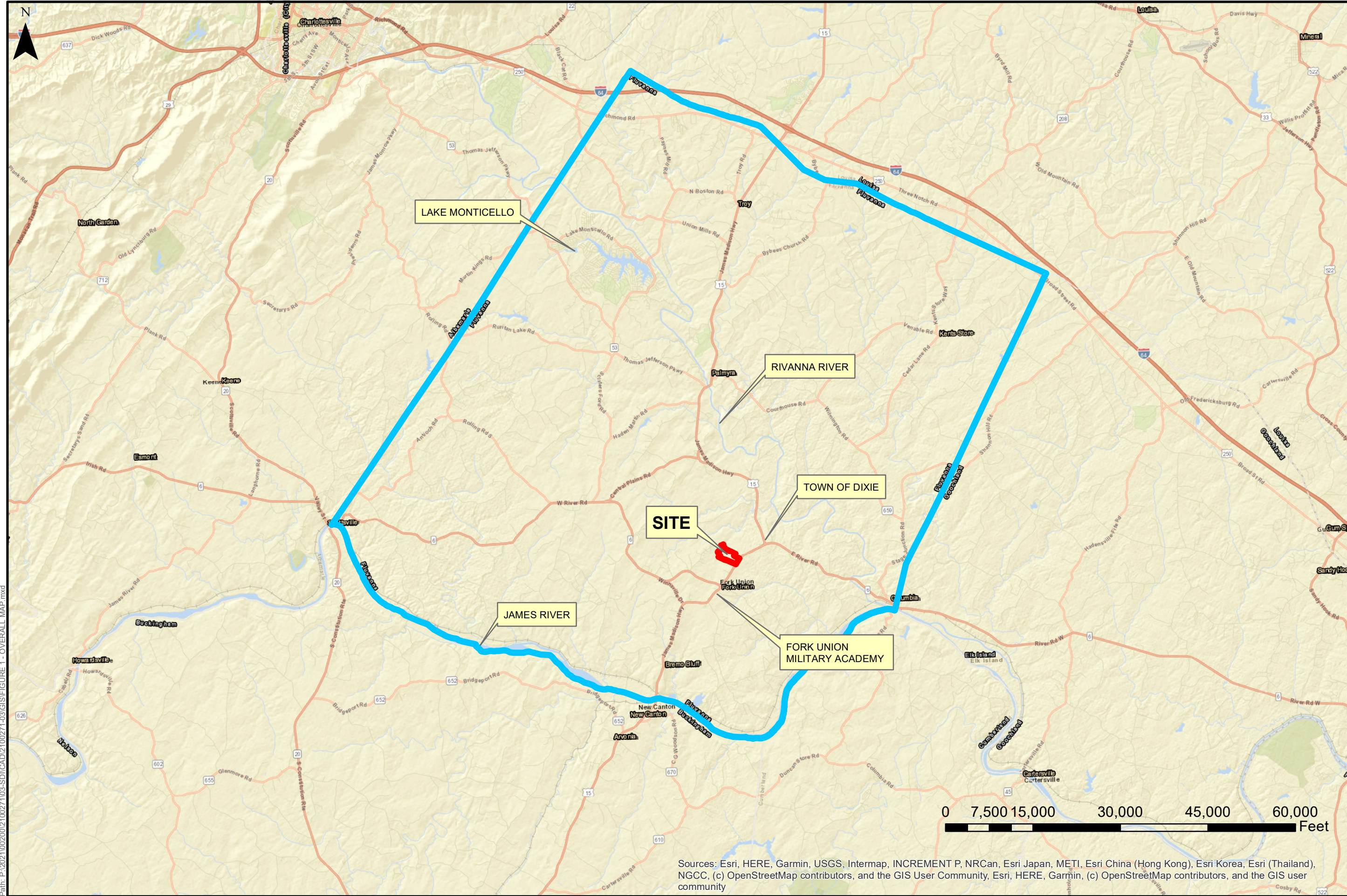
GoVirginia funding is available for site development, including development of infrastructure and mass grading to reduce the time to build for potential prospects. GoVirginia funding requires 'meaningful, ongoing' regional collaboration, including joint marketing and/or financial contribution, and the park is designated as a "regionally significant" site. The location of Fork Union Commerce Park is not favorable towards meeting the definition of "regionally significant."

The U.S. Economic Development Administration (EDA) Planning and Local Technical Assistance Program is a rolling grant opportunity. Additional information can be found here: [https://eda.gov/files/programs/eda-programs/FY21-23-Planning-and-LTA-NOFO\\_FINAL.pdf](https://eda.gov/files/programs/eda-programs/FY21-23-Planning-and-LTA-NOFO_FINAL.pdf)

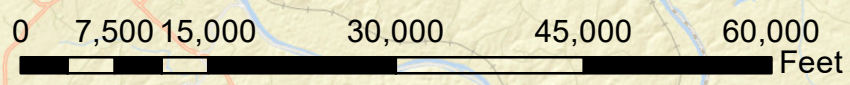
## 6.0 DATA REFERENCES

<b>Data Layers</b>	<b>Source Description</b>
Site Boundary	<i>Draper Aden Associates Survey (2021)</i>
Parcels	<i>Draper Aden Associates Survey (2021)</i>
Zoning	<i>Fluvanna County GIS</i>
County & Town Boundary	<i>Fluvanna County GIS</i>
Wetlands	<i>Environmental Site Assessment by Kirkland Environmental (2021)</i>
Floodplains	<i>FEMA Firmette (12/2020)</i>
Topographic Survey	<i>Draper Aden Associates Survey (2021)</i>
Roads	<i>VDOT 2014 Approved Functional Classification Map</i>
Rails	<i>N/A</i>
Waterbodies	<i>Draper Aden Associates Survey (2021)</i>
Aerial	<i>2017 Virginia Geographic Information Network (VGIN)</i>





Path: P:\2021\002000\210027103-SD\CAD\210027103-GIS\FIGURE 1 - OVERALL MAP.mxd



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

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 Hampton Roads, VA  
 Virginia Beach, VA

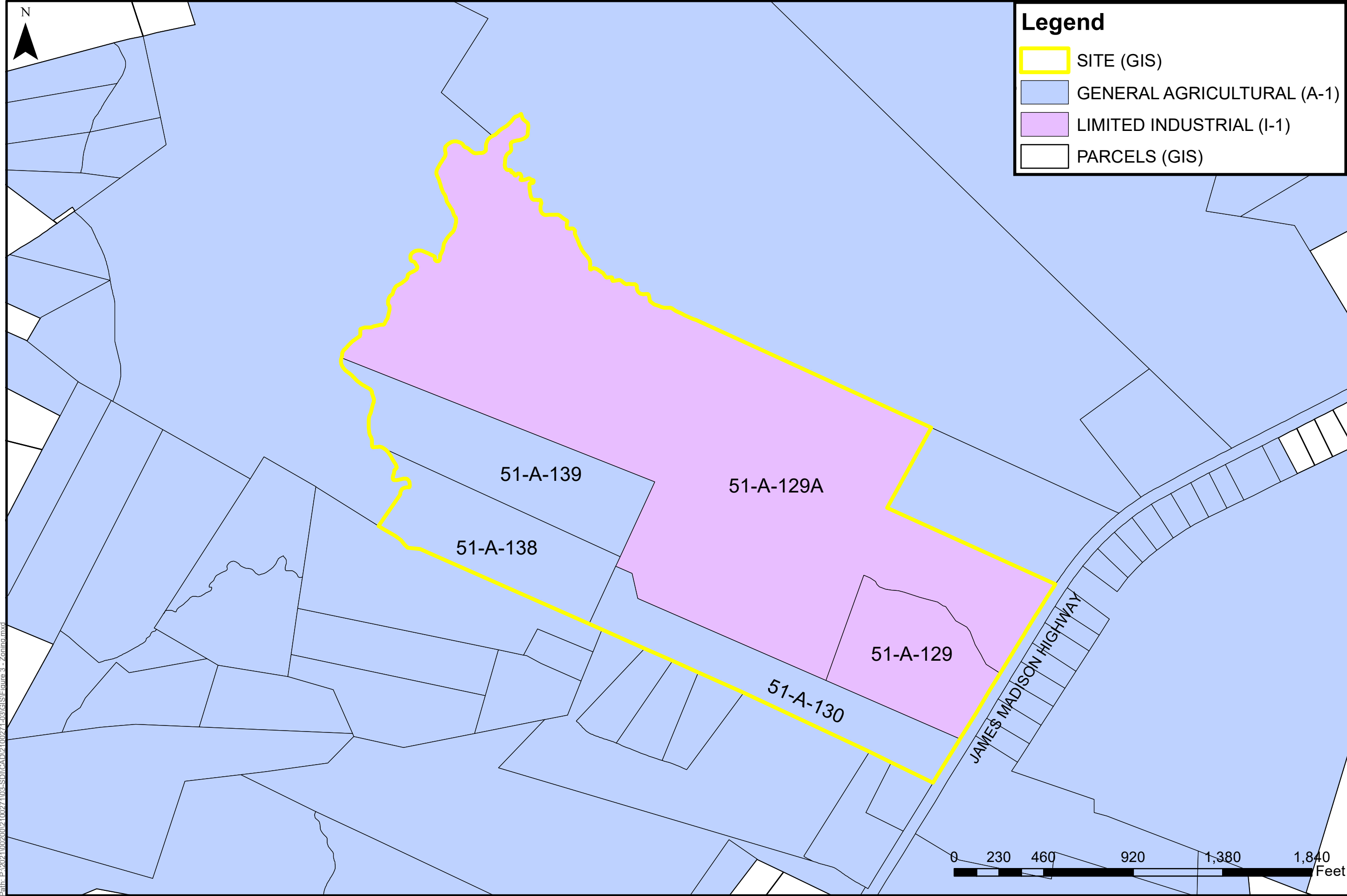
**VICINITY MAP**  
 FORK UNION COMMERCE PARK  
 FLUVANNA COUNTY, VIRGINIA

DESIGNED: DAA  
 DRAWN: KMB  
 CHECKED: CAH  
 DATE: 1/18/2022

SCALE: 1" = 10,000'  
 PROJECT: 2100271

**FIGURE**  
**1**





**Legend**

- SITE (GIS)
- GENERAL AGRICULTURAL (A-1)
- LIMITED INDUSTRIAL (I-1)
- PARCELS (GIS)

Path: P:\2021\002001\210027103-SD\CAD\2100271-03\GIS\Figure 3 - Zoning.mxd

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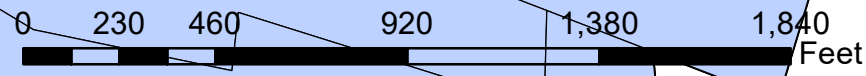
Richmond, VA  
 Blacksburg, VA  
 Hampton Roads, VA  
 Raleigh, NC  
 Fayetteville, NC  
 Northern Virginia  
 Virginia Beach, VA

**ZONING MAP**  
 FORK UNION COMMERCE PARK  
 FLUVANNA COUNTY, VIRGINIA

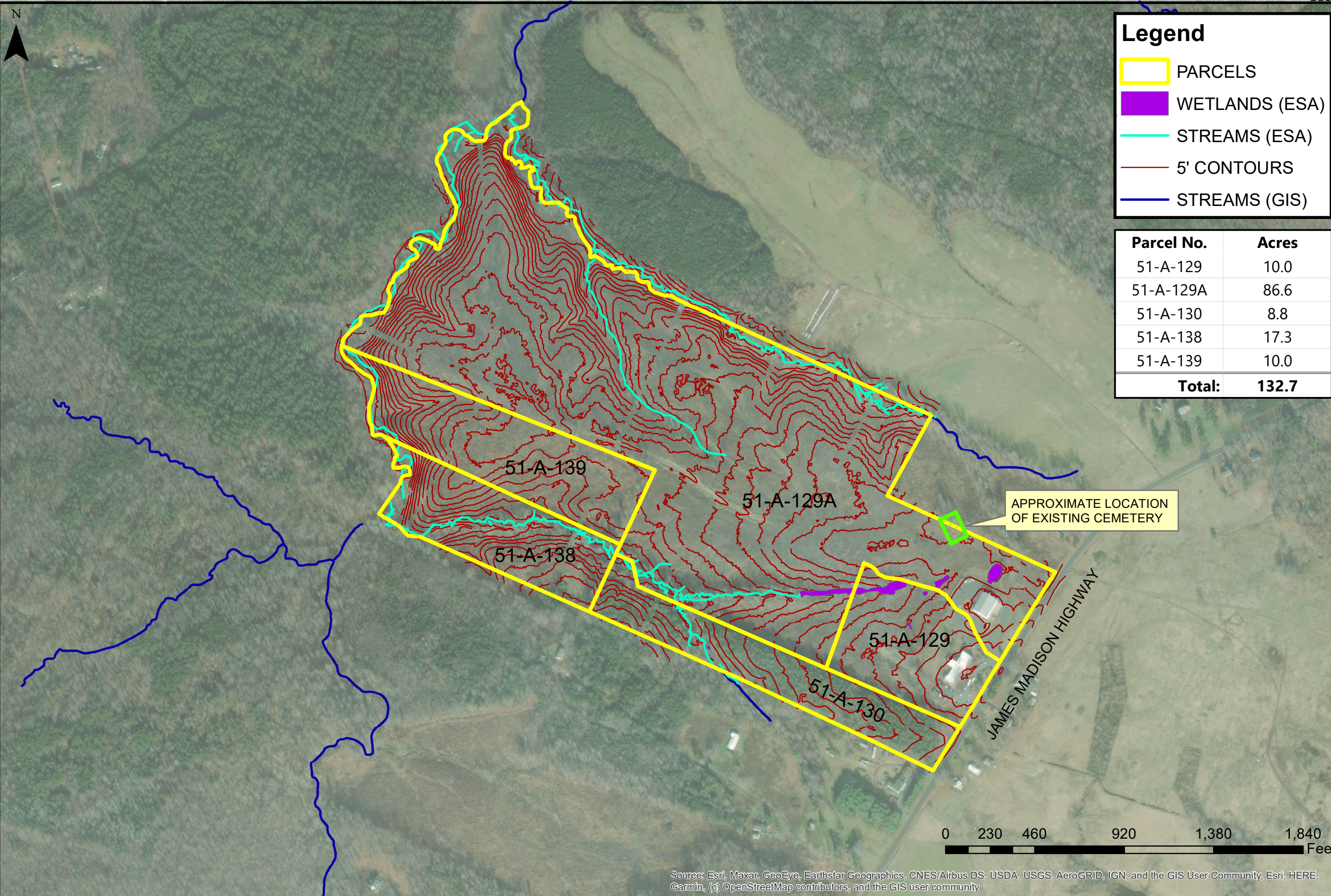
DESIGNED: DAA  
 DRAWN: KMB  
 CHECKED: CAH  
 DATE: 1/18/2022

SCALE: 1" = 300'  
 PROJECT: 2100271

**FIGURE**  
**2**







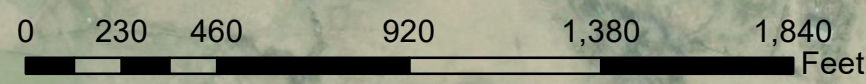
### Legend

- PARCELS
- WETLANDS (ESA)
- STREAMS (ESA)
- 5' CONTOURS
- STREAMS (GIS)

Parcel No.	Acres
51-A-129	10.0
51-A-129A	86.6
51-A-130	8.8
51-A-138	17.3
51-A-139	10.0
<b>Total:</b>	<b>132.7</b>

APPROXIMATE LOCATION OF EXISTING CEMETERY

JAMES MADISON HIGHWAY



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Path: P:\2021\002200\210027103-SD\FIGURE 2 - Existing Site Map.mxd

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 Virginia Beach, VA  
 Richmond, VA  
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 Hampton Roads, VA

**EXISTING CONDITIONS**  
 FORK UNION COMMERCE PARK  
 FLUVANNA COUNTY, VIRGINIA

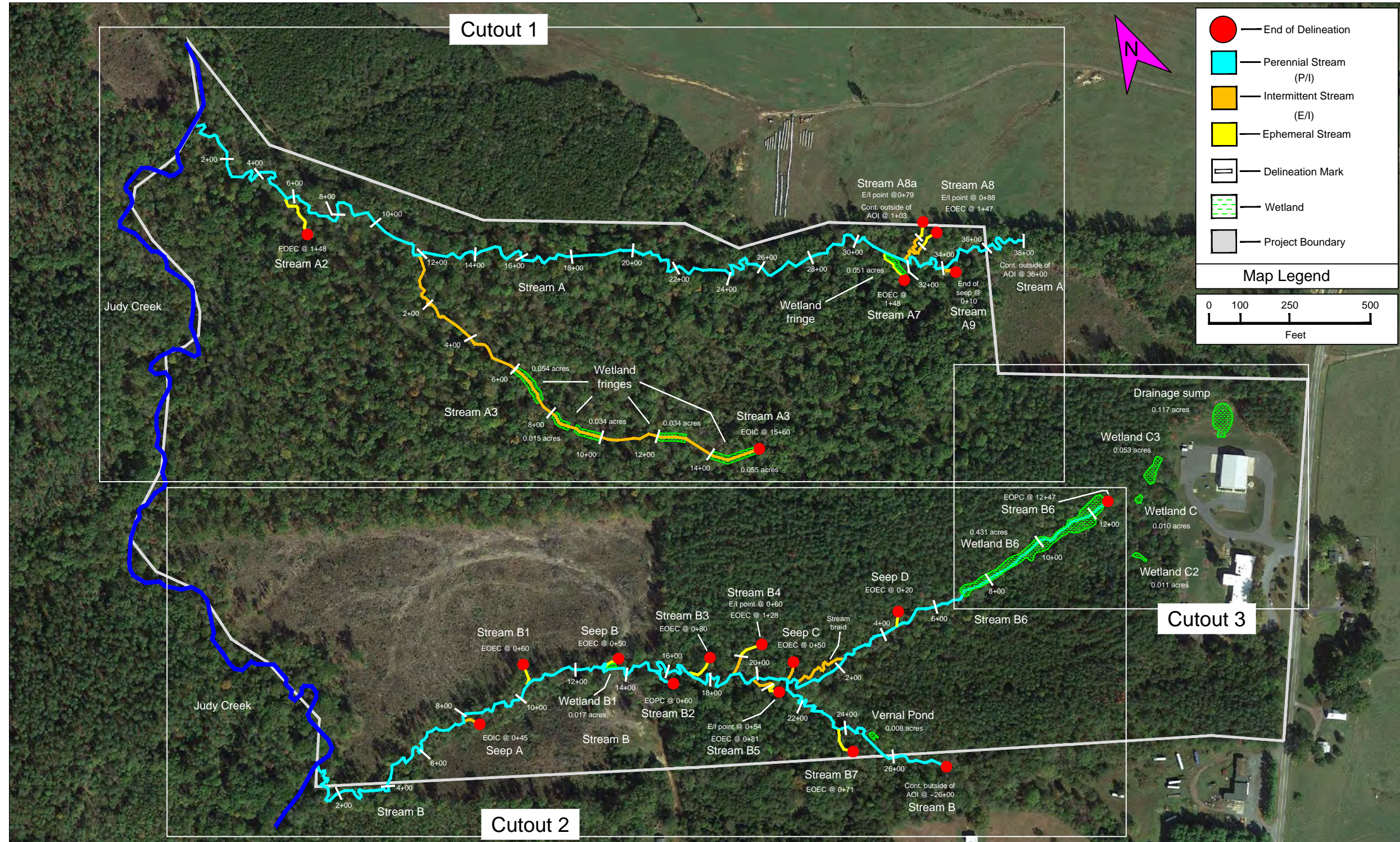
DESIGNED: DAA  
 DRAWN: KMB  
 CHECKED: CAH  
 DATE: 1/18/2022

SCALE: 1" = 300'  
 PROJECT: 2100271

**FIGURE**  
**3**



FIGURE 5



### Fork Union PJD Overview Map

Showing all cutout maps & positions of delineated streams and wetlands.

Surveyed by Ed Kirk, Colin Huber, & Elmer Plumley 03/23/21 & 03/25/21

Mapping by Colin Huber

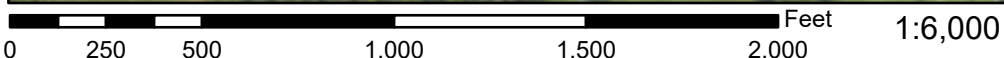




# National Flood Hazard Layer FIRMMette



78°15'38"W 37°46'49"N



78°15'1"W 37°46'21"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend BOS2022-05-18 p.181/306

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

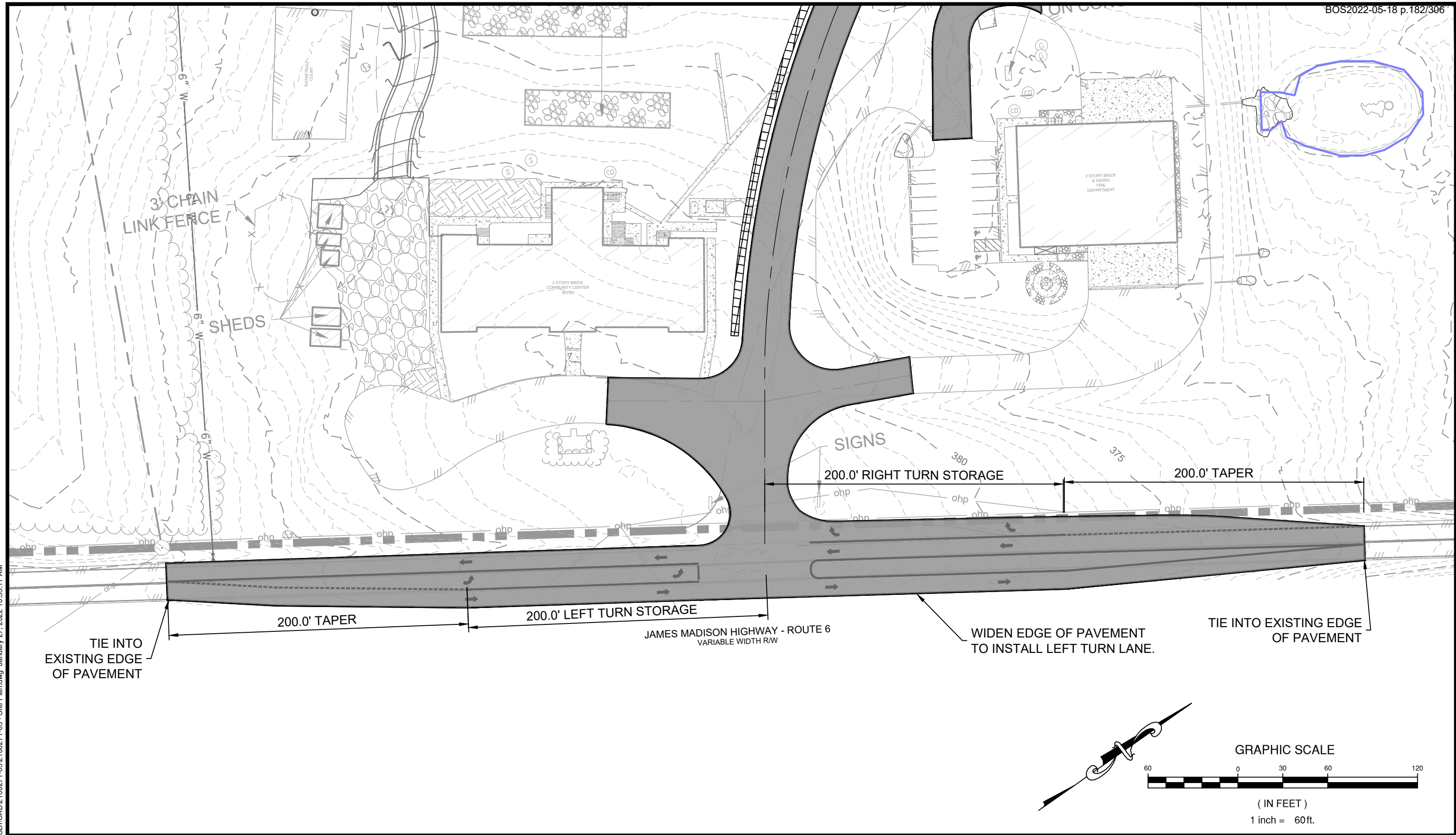
- |                                    |   |
|------------------------------------|---|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i><br>With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i><br>Regulatory Floodway  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i><br>Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i><br>Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i><br>Area with Flood Risk due to Levee <i>Zone D</i> |
| <b>OTHER AREAS</b>                 | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i><br>Effective LOMRs<br>Area of Undetermined Flood Hazard <i>Zone D</i>  |
| <b>GENERAL STRUCTURES</b>          | Channel, Culvert, or Storm Sewer<br>Levee, Dike, or Floodwall   |
| <b>OTHER FEATURES</b>              | 20.2 Cross Sections with 1% Annual Chance<br>17.5 Water Surface Elevation<br>Coastal Transect<br>Base Flood Elevation Line (BFE)<br>Limit of Study<br>Jurisdiction Boundary<br>Coastal Transect Baseline<br>Profile Baseline<br>Hydrographic Feature  |
| <b>MAP PANELS</b>                  | Digital Data Available<br>No Digital Data Available<br>Unmapped   |
- 
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **6/9/2021 at 3:47 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





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Raleigh, NC  
 Fayetteville, NC  
 Northern Virginia  
 Virginia Beach, VA

DESIGNED KMB  
 DRAWN MJR  
 CHECKED CAH  
 DATE 1/27/2022

US ROUTE 15 ROAD IMPROVEMENTS LAYOUT  
 FORK UNION COMMERCE PARK  
 FLUVANNA VIRGINIA

SCALE: 1" = 60'  
 PROJECT: 2100271-03

FIGURE  
 6



GRAPHIC SCALE

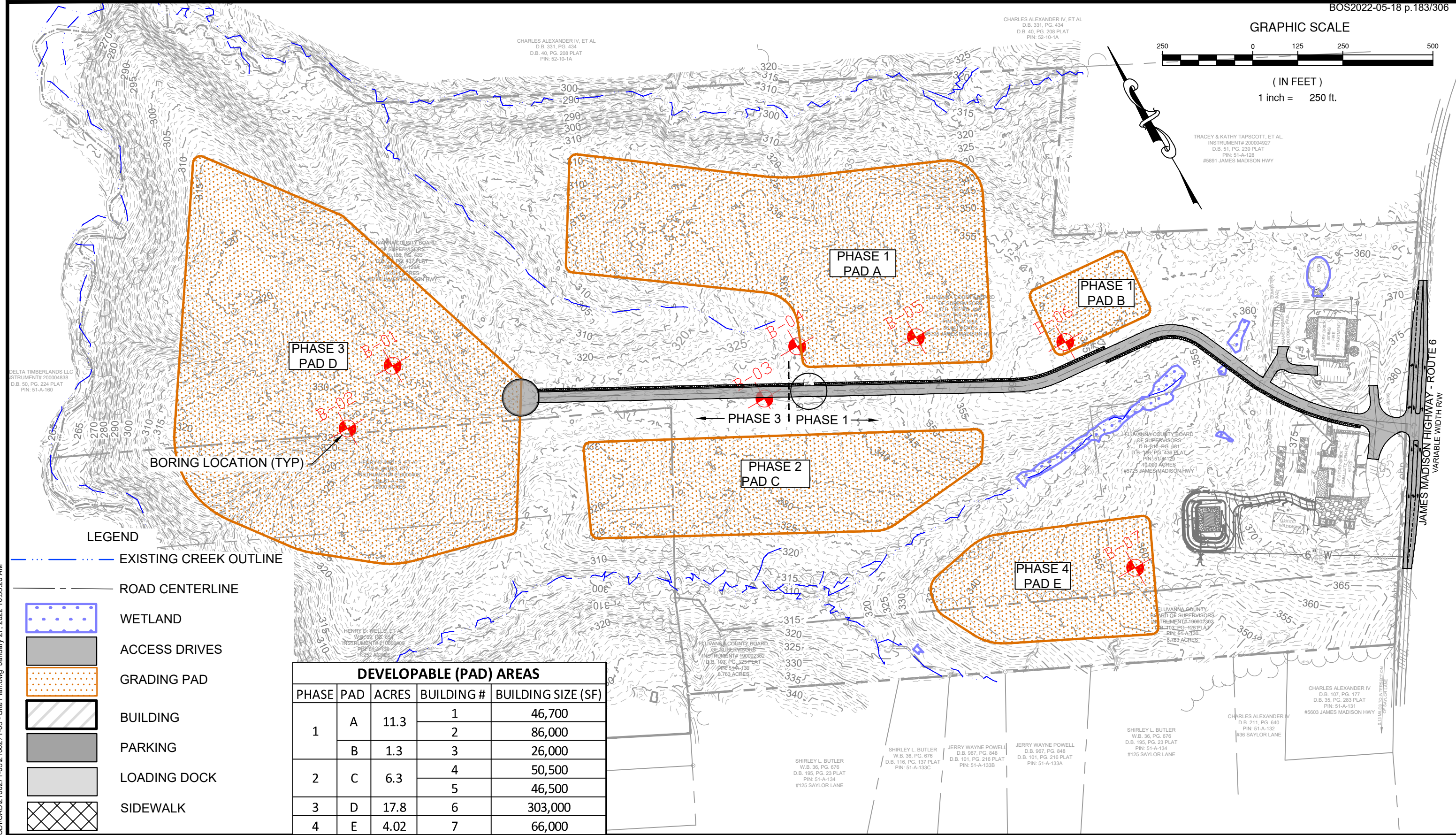


(IN FEET)  
1 inch = 250 ft.

TRACEY & KATHY TAPSCOTT, ET AL  
INSTRUMENT# 200004927  
D.B. 51, PG. 238 PLAT  
PIN: 51-A-128  
#5891 JAMES MADISON HWY

CHARLES ALEXANDER IV, ET AL  
D.B. 331, PG. 434  
D.B. 40, PG. 208 PLAT  
PIN: 52-10-1A

CHARLES ALEXANDER IV, ET AL  
D.B. 331, PG. 434  
D.B. 40, PG. 208 PLAT  
PIN: 52-10-1A



DEVELOPABLE (PAD) AREAS				
PHASE	PAD	ACRES	BUILDING #	BUILDING SIZE (SF)
1	A	11.3	1	46,700
	B	1.3	3	26,000
2	C	6.3	4	50,500
3	D	17.8	5	46,500
			6	303,000
4	E	4.02	7	66,000

LEGEND

- EXISTING CREEK OUTLINE
- ROAD CENTERLINE
- WETLAND
- ACCESS DRIVES
- GRADING PAD
- BUILDING
- PARKING
- LOADING DOCK
- SIDEWALK

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Raleigh, NC Fayetteville, NC  
Northern Virginia Virginia Beach, VA

DESIGNED KMB  
DRAWN MJR  
CHECKED CAH  
DATE 1/27/2022

OVERALL PAD CONCEPTS  
FORK UNION COMMERCE PARK  
FLUVANNA VIRGINIA

SCALE: 1" = 250'  
PROJECT: 2100271-03

FIGURE  
7

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GRAPHIC SCALE



( IN FEET )  
1 inch = 250 ft.

TRACEY & KATHY TAPSCOTT, ET AL  
INSTRUMENT# 200004927  
D.B. 51, PG. 239 PLAT  
PIN: 51-A-128  
#5891 JAMES MADISON HWY

CHARLES ALEXANDER IV, ET AL  
D.B. 331, PG. 434  
D.B. 40, PG. 208 PLAT  
PIN: 52-10-1A

CHARLES ALEXANDER IV, ET AL  
D.B. 331, PG. 434  
D.B. 40, PG. 208 PLAT  
PIN: 52-10-1A

FLUVANNA COUNTY BOARD  
OF SUPERVISORS  
D.B. 186, PG. 430  
D.B. 271, PG. 437 PLAT  
PIN: 51-A-129A  
#5725 JAMES MADISON HWY

DELTA TIMBERLANDS LLC  
INSTRUMENT# 200004838  
D.B. 50, PG. 224 PLAT  
PIN: 51-A-160

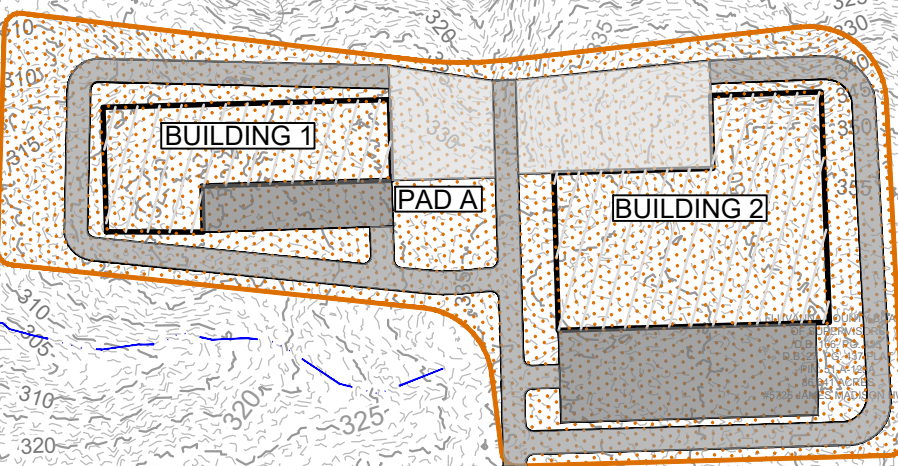
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LEGEND

- EXISTING CREEK OUTLINE
- ROAD CENTERLINE
- WETLAND
- ACCESS DRIVES
- GRADING PAD
- BUILDING
- PARKING
- LOADING DOCK
- SIDEWALK

DEVELOPABLE (PAD) AREAS				
PHASE	PAD	ACRES	BUILDING #	BUILDING SIZE (SF)
1	A	11.3	1	46,700
	B	1.3	3	86,000
2	C	6.3	4	50,500
			5	46,500
3	D	17.8	6	303,000
4	E	4.02	7	66,000

1815 LF 30' ACCESS DRIVE  
WITH A 5' SIDEWALK



JAMES MADISON HIGHWAY - ROUTE 6  
VARIABLE WIDTH RW

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Fayetteville, NC  
Northern Virginia  
Virginia Beach, VA

DESIGNED KMB  
DRAWN MJR  
CHECKED CAH  
DATE 1/27/2022

PHASE 1 CONCEPT PLAN  
FORK UNION COMMERCE PARK  
FLUVANNA VIRGINIA

SCALE: 1" = 250'  
PROJECT: 2100271-03

FIGURE  
8



GRAPHIC SCALE



( IN FEET )  
1 inch = 250 ft.

TRACEY & KATHY TAPSCOTT, ET AL.  
INSTRUMENT# 200004927  
D.B. 51, PG. 239 PLAT  
PIN: 51-A-128  
#5891 JAMES MADISON HWY

CHARLES ALEXANDER IV, ET AL.  
D.B. 331, PG. 434  
D.B. 40, PG. 208 PLAT  
PIN: 52-10-1A

CHARLES ALEXANDER IV, ET AL.  
D.B. 331, PG. 434  
D.B. 40, PG. 208 PLAT  
PIN: 52-10-1A

FLUVANNA COUNTY BOARD OF SUPERVISORS  
D.B. 188, PG. 483  
D.B. 211, PG. 437 PLAT  
PIN: 51-A-129A  
86.64 ACRES  
#9725 JAMES MADISON HWY

HENRY D. WELLS, ET AL.  
D.B. 81, PG. 677  
INSTRUMENT# 210004048  
PIN: 81-A-189  
10,000 ACRES

HENRY D. WELLS, ET AL.  
D.B. 81, PG. 677  
INSTRUMENT# 210004048  
PIN: 81-A-189  
10,000 ACRES

FLUVANNA COUNTY BOARD OF SUPERVISORS  
D.B. 814, PG. 681  
D.B. 165, PG. 436 PLAT  
PIN: 51-A-125  
10,000 ACRES  
#8725 JAMES MADISON HWY

FLUVANNA COUNTY BOARD OF SUPERVISORS  
INSTRUMENT# 190002302  
D.B. 103, PG. 125 PLAT  
PIN: 51-A-130  
8,783 ACRES

CHARLES ALEXANDER IV  
D.B. 107, PG. 177  
D.B. 35, PG. 283 PLAT  
PIN: 51-A-131  
#5603 JAMES MADISON HWY

CHARLES ALEXANDER IV  
D.B. 211, PG. 640  
D.B. 195, PG. 23 PLAT  
PIN: 51-A-132  
#38 SAYLOR LANE

SHIRLEY L. BUTLER  
W.B. 36, PG. 676  
D.B. 116, PG. 137 PLAT  
PIN: 51-A-134  
#125 SAYLOR LANE

SHIRLEY L. BUTLER  
W.B. 36, PG. 676  
D.B. 116, PG. 137 PLAT  
PIN: 51-A-133C

JERRY WAYNE POWELL  
D.B. 967, PG. 848  
D.B. 101, PG. 216 PLAT  
PIN: 51-A-133B

JERRY WAYNE POWELL  
D.B. 967, PG. 848  
D.B. 101, PG. 216 PLAT  
PIN: 51-A-133A

SHIRLEY L. BUTLER  
W.B. 36, PG. 676  
D.B. 195, PG. 23 PLAT  
PIN: 51-A-134  
#125 SAYLOR LANE

DEVELOPABLE (PAD) AREAS				
PHASE	PAD	ACRES	BUILDING #	BUILDING SIZE (SF)
1	A	11.3	1	46,700
	B	1.3	3	26,000
2	C	6.3	4	50,500
			5	46,500
3	D	17.8	6	303,000
4	E	4.02	7	66,000

**LEGEND**

- EXISTING CREEK OUTLINE
- ROAD CENTERLINE
- WETLAND
- ACCESS DRIVES
- GRADING PAD
- BUILDING
- PARKING
- LOADING DOCK
- SIDEWALK

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Hampton Roads, VA

Raleigh, NC  
Fayetteville, NC  
Virginia Beach, VA

DESIGNED KMB  
DRAWN MJR  
CHECKED CAH  
DATE 1/27/2022

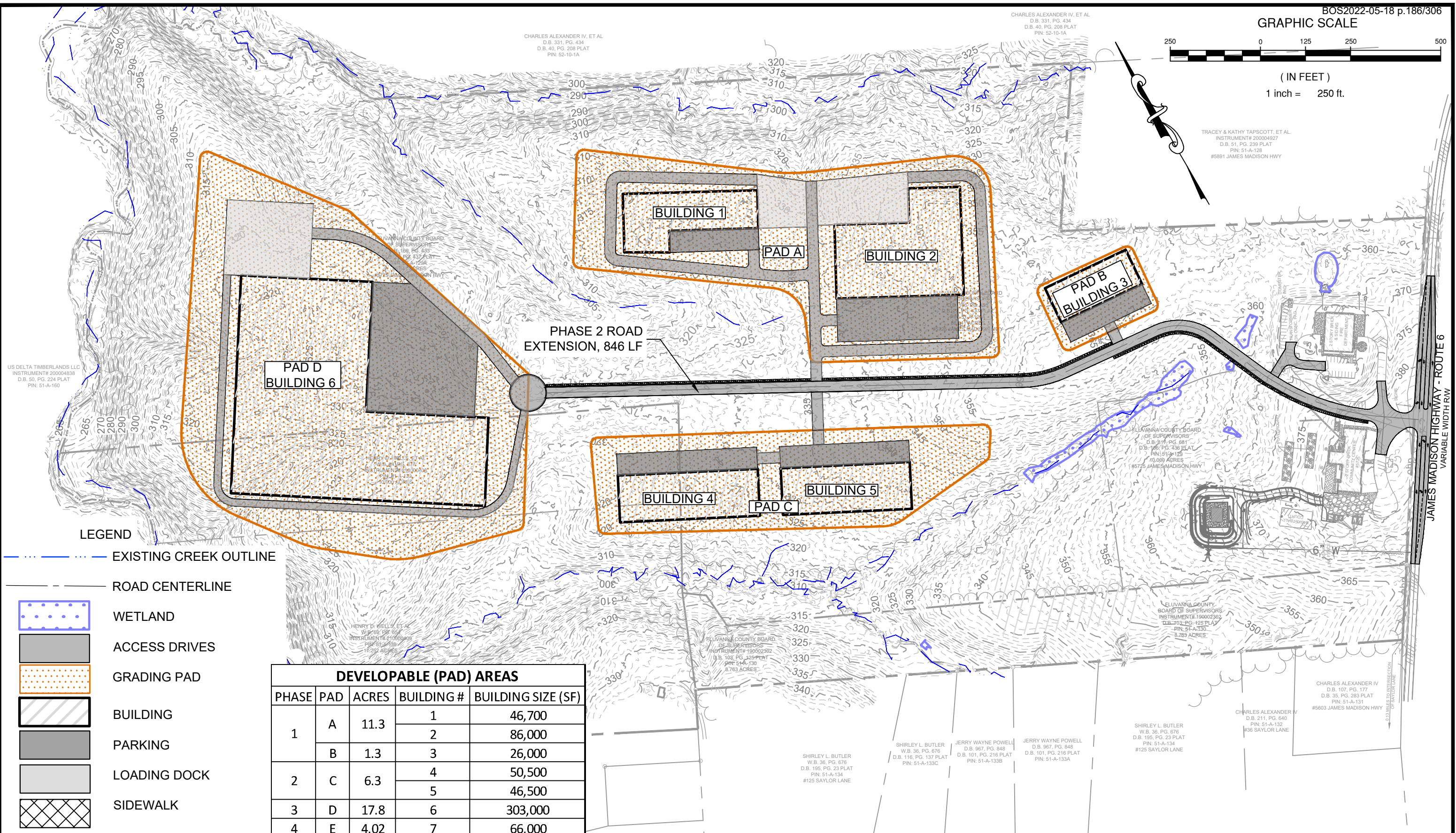
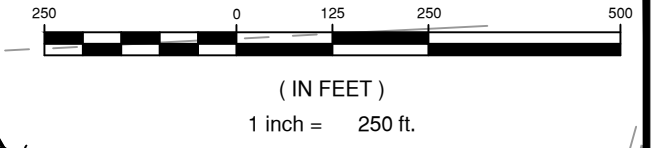
PHASE 2 CONCEPT PLAN  
FORK UNION COMMERCE PARK  
FLUVANNA VIRGINIA

SCALE: 1" = 250'  
PROJECT: 2100271-03

FIGURE  
9

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**LEGEND**

- EXISTING CREEK OUTLINE
- ROAD CENTERLINE
- WETLAND
- ACCESS DRIVES
- GRADING PAD
- BUILDING
- PARKING
- LOADING DOCK
- SIDEWALK

DEVELOPABLE (PAD) AREAS				
PHASE	PAD	ACRES	BUILDING #	BUILDING SIZE (SF)
1	A	11.3	1	46,700
	B		3	26,000
2	C	6.3	4	50,500
			5	46,500
3	D	17.8	6	303,000
4	E	4.02	7	66,000

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 Fayetteville, NC  
 Northern Virginia  
 Virginia Beach, VA

DESIGNED KMB  
 DRAWN MJR  
 CHECKED CAH  
 DATE 1/27/2022

**PHASE 3 CONCEPT PLAN**  
**FORK UNION COMMERCE PARK**  
 FLUVANNA VIRGINIA

SCALE: 1" = 250'  
 PROJECT: 2100271-03

FIGURE  
**10**

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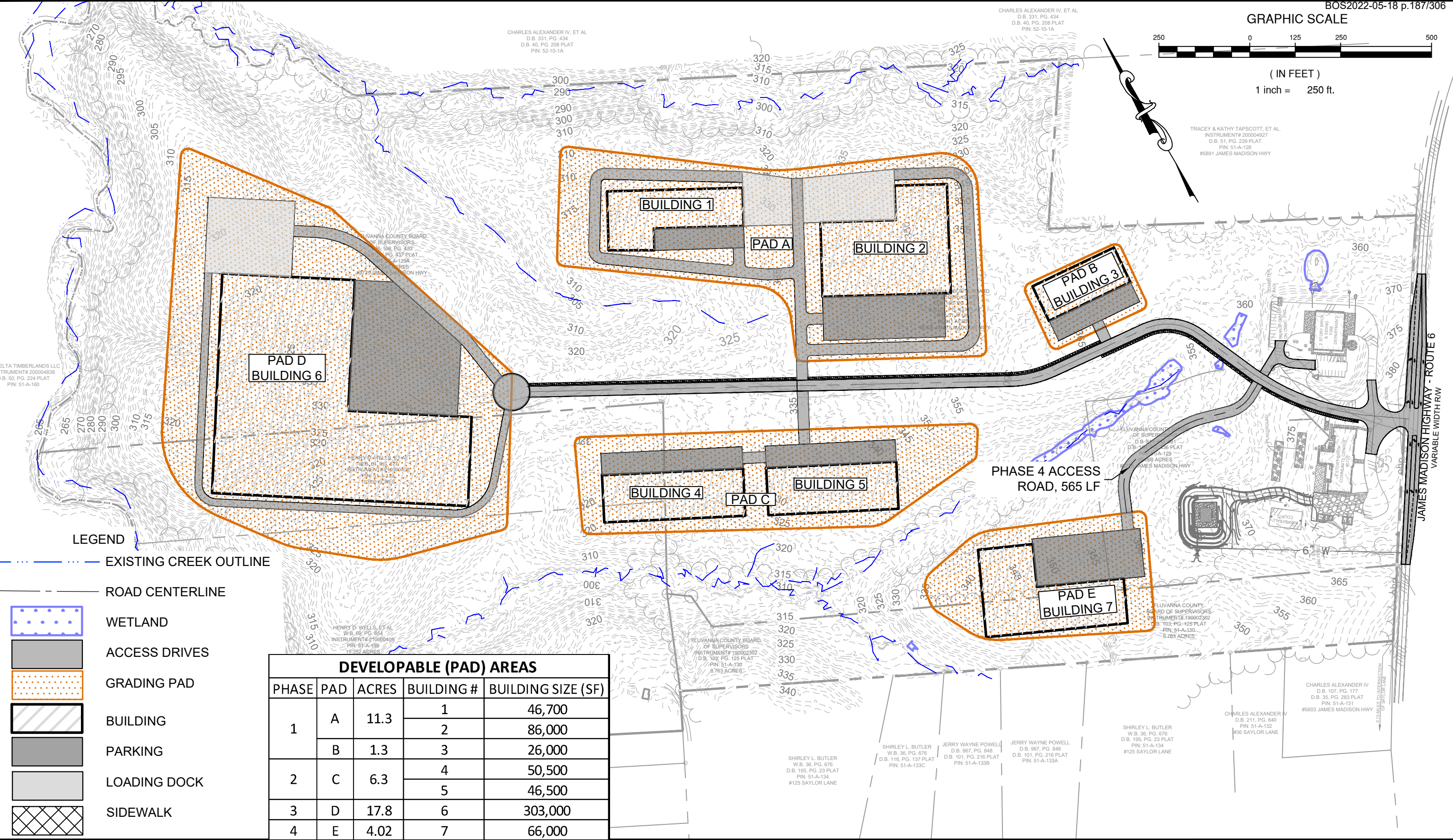


GRAPHIC SCALE



( IN FEET )  
1 inch = 250 ft.

TRACEY & KATHY TAPSCOTT, ET AL.  
INSTRUMENT# 200004927  
D.B. 51, PG. 239 PLAT  
PIN: 51-A-128  
#5891 JAMES MADISON HWY



LEGEND

- EXISTING CREEK OUTLINE
- ROAD CENTERLINE
- WETLAND
- ACCESS DRIVES
- GRADING PAD
- BUILDING
- PARKING
- LOADING DOCK
- SIDEWALK

DEVELOPABLE (PAD) AREAS				
PHASE	PAD	ACRES	BUILDING #	BUILDING SIZE (SF)
1	A	11.3	1	46,700
	B		3	26,000
2	C	6.3	4	50,500
			5	46,500
3	D	17.8	6	303,000
4	E	4.02	7	66,000

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Blacksburg, VA  
Hampton Roads, VA

Raleigh, NC  
Fayetteville, NC  
Virginia Beach, VA

DESIGNED KMB  
DRAWN MJR  
CHECKED CAH  
DATE 1/27/2022

PHASE 4 CONCEPT PLAN  
FORK UNION COMMERCE PARK  
FLUVANNA VIRGINIA

SCALE: 1" = 250'  
PROJECT: 2100271-03

FIGURE  
11

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**FLUVANNA COUNTY BOARD OF SUPERVISORS  
AGENDA ITEM STAFF REPORT**

**TAB C**

<b>MEETING DATE:</b>	May 18, 2022				
<b>AGENDA TITLE:</b>	Naming of the County-Owned Business Park in Fork Union				
<b>MOTION(s):</b>	<b>I move the Board of Supervisors approve and designate the official name for the County-owned business park in Fork Union as the:</b> <b>1. Fork Union Commerce Park</b> <b>2. Fork Union Business Park</b> <b>3. Fork Union Industrial Park</b> <b>4. Other: _____</b>				
<b>STRATEGIC INITIATIVE?</b>	Yes	No	<b>If yes, list initiative(s):</b>	S3	
	X				
<b>AGENDA CATEGORY:</b>	Public Hearing	Action Matter	Presentation	Consent Agenda	Other
		X			
<b>STAFF CONTACT(S):</b>	Jennifer Schmack, Director of Economic Development and Eric Dahl, County Administrator				
<b>PRESENTER(S):</b>	Jennifer Schmack, Director of Economic Development and Eric Dahl, County Administrator				
<b>RECOMMENDATION:</b>	Approve				
<b>TIMING:</b>	Routine				
<b>DISCUSSION:</b>	As the County moves forward with the completion of the rezoning of the remaining parcels for the County-owned business park in Fork Union, it is beneficial to have an approved name designation as the County markets the property more for interested businesses. The County-owned parcels that make up the business park are 51-A-129, 51-A-130, 51-A-129A, 51-A-139 and 51-A-138.				
<b>FISCAL IMPACT:</b>	None				
<b>POLICY IMPACT:</b>	None				
<b>LEGISLATIVE HISTORY:</b>	None				
<b>ENCLOSURES:</b>	None				
<b>REVIEWS COMPLETED:</b>	Legal	Finance	Purchasing	HR	Other
	X				X



**FLUVANNA COUNTY BOARD OF SUPERVISORS  
AGENDA ITEM STAFF REPORT**

**TAB D**

<b>MEETING DATE:</b>	May 18, 2022				
<b>AGENDA TITLE:</b>	Village of Palmyra Sign				
<b>MOTION(s):</b>	<p><b>Motion #1:</b> I move the Board of Supervisors approve a budget transfer of up to \$2,000 from the FY22 BOS contingency budget to the FY22 Parks and Recreation budget to install a new Village of Palmyra sign along Route 15.</p> <p><b>Motion #2:</b> I move the Board of Supervisors approve the Village of Palmyra sign # (1 or 2).</p>				
<b>STRATEGIC INITIATIVE?</b>	Yes	No	<b>If yes, list initiative(s):</b>		
		X			
<b>AGENDA CATEGORY:</b>	Public Hearing	Action Matter	Presentation	Consent Agenda	Other
		X			
<b>STAFF CONTACT(S):</b>	Aaron Spitzer, Director of Parks and Recreation Jennifer Schmack, Economic Development Director				
<b>PRESENTER(S):</b>	Aaron Spitzer, Director of Parks and Recreation				
<b>RECOMMENDATION:</b>	Approve				
<b>TIMING:</b>	Routine				
<b>DISCUSSION:</b>	<p>PARC (Palmyra Area Revitalization Committee), a former committee that was started through BOS direction in 2018, first started on development and implementation of this sign before their committee came to an end in 2020. Since then, EDTAC (Economic Development and Tourism Advisory Council) has taken over the project to see it come to a conclusion. This sign will help advertise and promote patrons of Fluvanna on how to get to the Village of Palmyra off of Route 15.</p> <p>I am asking for up to \$2,000 to be able to complete the job. I currently have a quote of \$1590.10 that I received from Graphic Garage on April 15, 2022. The reason I ask for some extra funds from the quote is in case of any price increases that have happened from the time of the quote to the ordering of the sign. Any funds that are approved and not used will be returned to the BOS contingency budget.</p> <p>The sign installation is being proposed to be located on the County-Owned land behind the parking lot of the County Administration Building and Courthouse. This sign would be visible from vehicles travelling in both directions of Route 15. This sign installation will help to better direct and draw patrons into the Village of Palmyra. Many patrons have said that they don't know where it is and this will give the Village visibility.</p>				
<b>FISCAL IMPACT:</b>	This action would decrease the FY22 BOS Contingency budget by an amount not-to-exceed \$2,000 and would increase the FY22 Parks and Recreation the same not-to-exceed \$2,000.				



<b>POLICY IMPACT:</b>	None				
<b>LEGISLATIVE HISTORY:</b>	None				
<b>ENCLOSURES:</b>	Presentation				
<b>REVIEWS COMPLETED:</b>	Legal	Finance	Purchasing	HR	Other
		X			X



# **NEW COUNTY SIGN: VILLAGE OF PALMYRA**

**Aaron Spitzer**

**Director of Parks and Recreation**

*A great place to live, learn, work, and play!*



# HISTORY and UP to DATE INFORMATION

- **This project was first brought to the county's attention during a BOS directed committee called PARC (Palmyra Area Revitalization Committee) that was from 2018 - 2020. This committee's recommendation for the sign is labeled "Sign 1" in the following slides.**
- **After PARC ended, EDTAC (Economic Development and Tourism Advisory Council) took over the project in 2022 to finalize it. EDTAC has some suggested changes to "Sign 1" so their revision sign will be labeled "Sign 2".**
- **These two committees' feel that there is a definite need for this sign as they hear so often where is the Village of Palmyra. This sign will help to promote a Historic District of Fluvanna as well as assist the local shops with drawing in business that otherwise would not come in the area.**
- **Our Economic Development Office has been working with the "Village" businesses since February 2022 and is in support of this sign to help promote area business.**
- **There has been no monies previously budgeted for this sign. With approval of a not to exceed \$2,000 BOS contingency budget transfer, this project could be completed. Any monies not spent on implementation of the sign will be returned to the BOS contingency budget.**



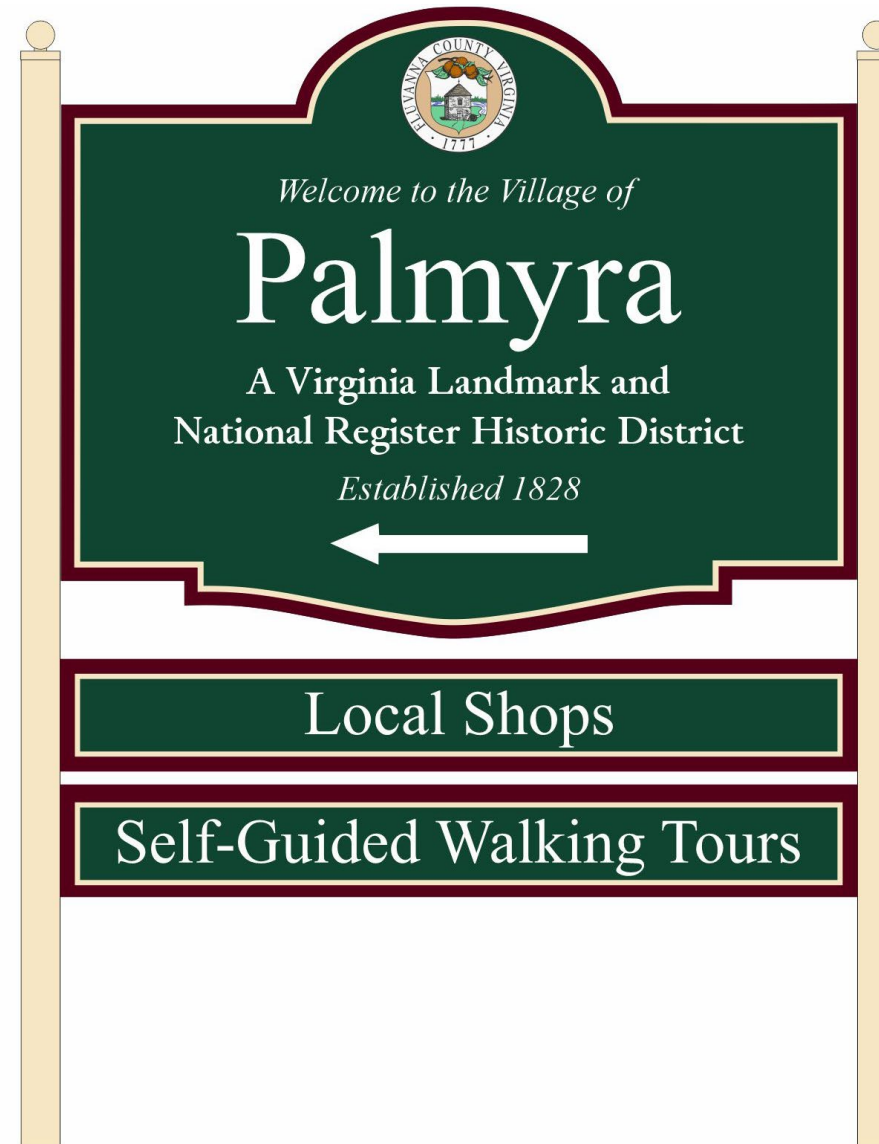
## REQUEST BEING MADE FOR COMPLETION

- Below is the quote I received from Graphic Garage for the project on April 15, 2022. The request (\$2,000) is higher than the quote below (\$1,590.10) due to the possibility of mark-up on materials since the time of the quote to ordering of the sign.
- **Quote sent on April 15, 2022.**
  - (1) 48in x 60in x 3/4in sign = \$670.60
  - (2) 8.5in x 60in x 1/2in sign = \$280.00
  - (2) PT posts = \$84.00
  - (2) PVC sleeves = \$90.00
  - (2) PVC round finial caps = \$28.50
  - Mounting hardware = \$117.00
  - Installation = \$320.00
  - **Total for sign and installation - \$1590.10**

# LOCATION OF PROPOSED VILLAGE OF PALMYRA SIGN

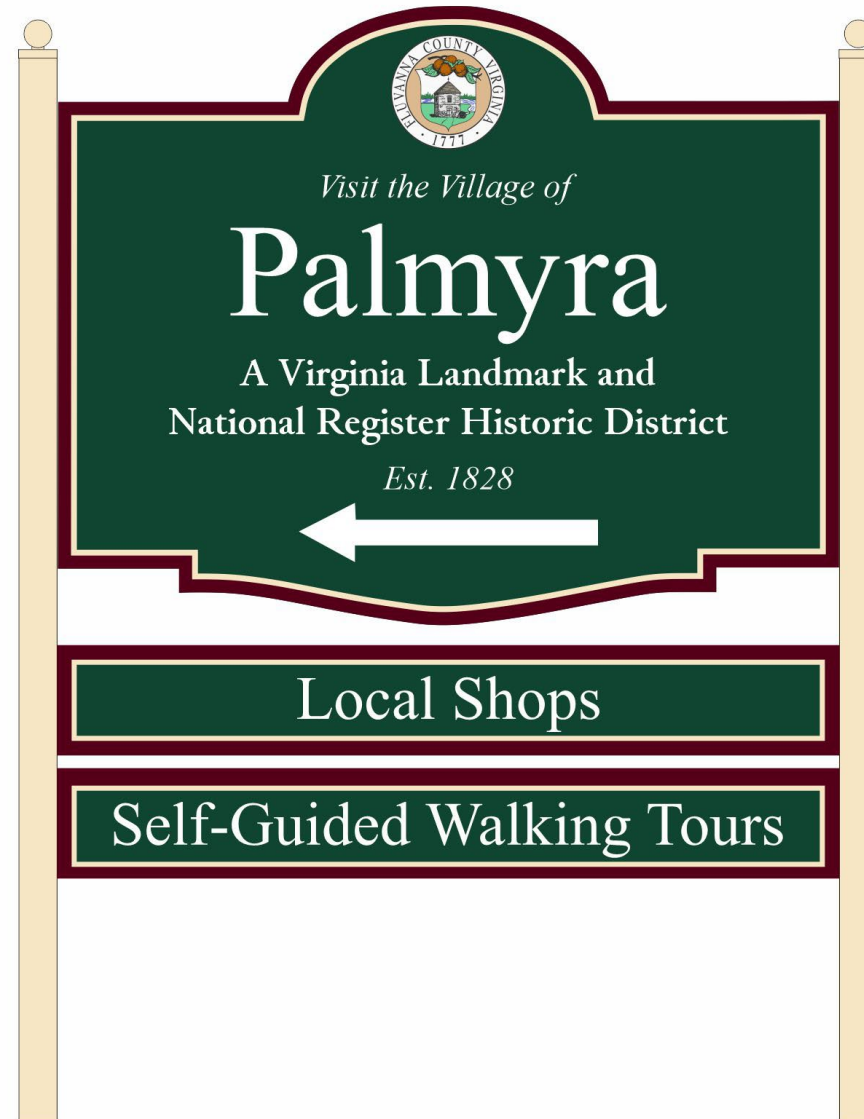


# PARC SIGN RECOMMENDATION: "SIGN 1"

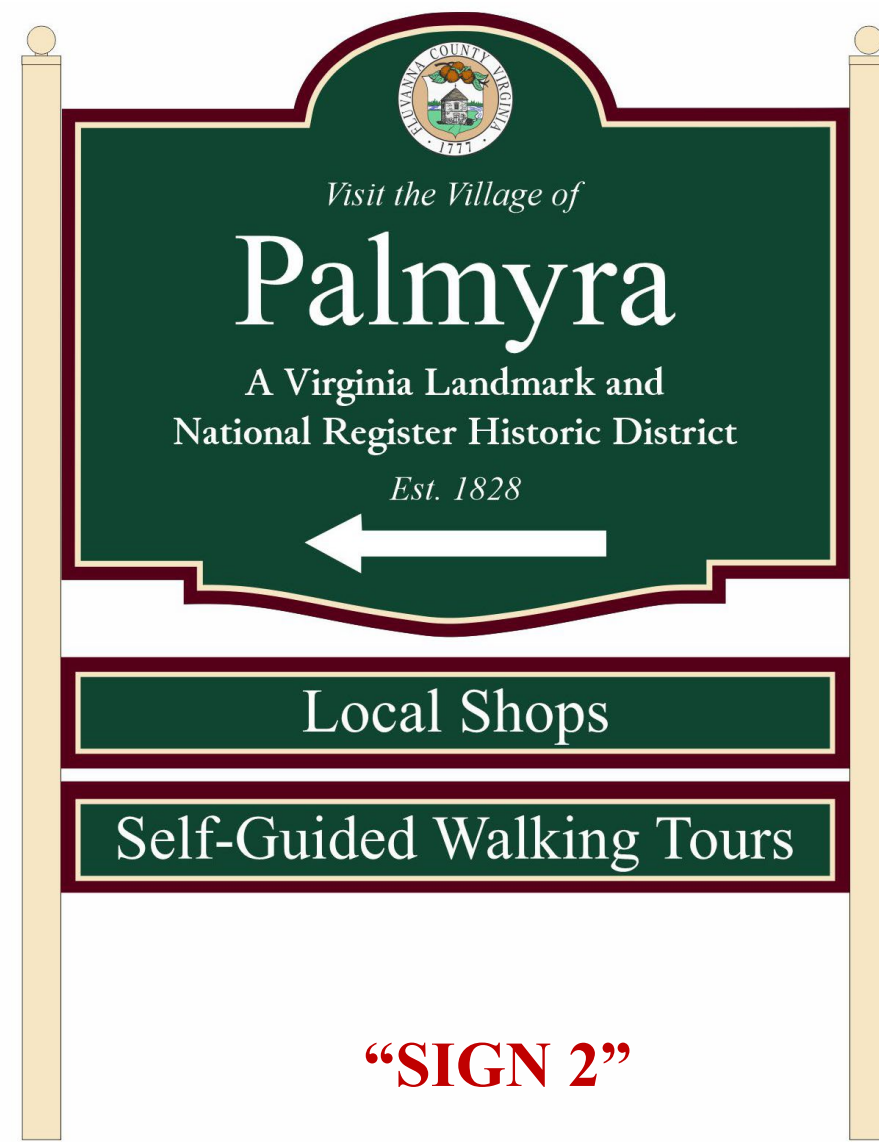
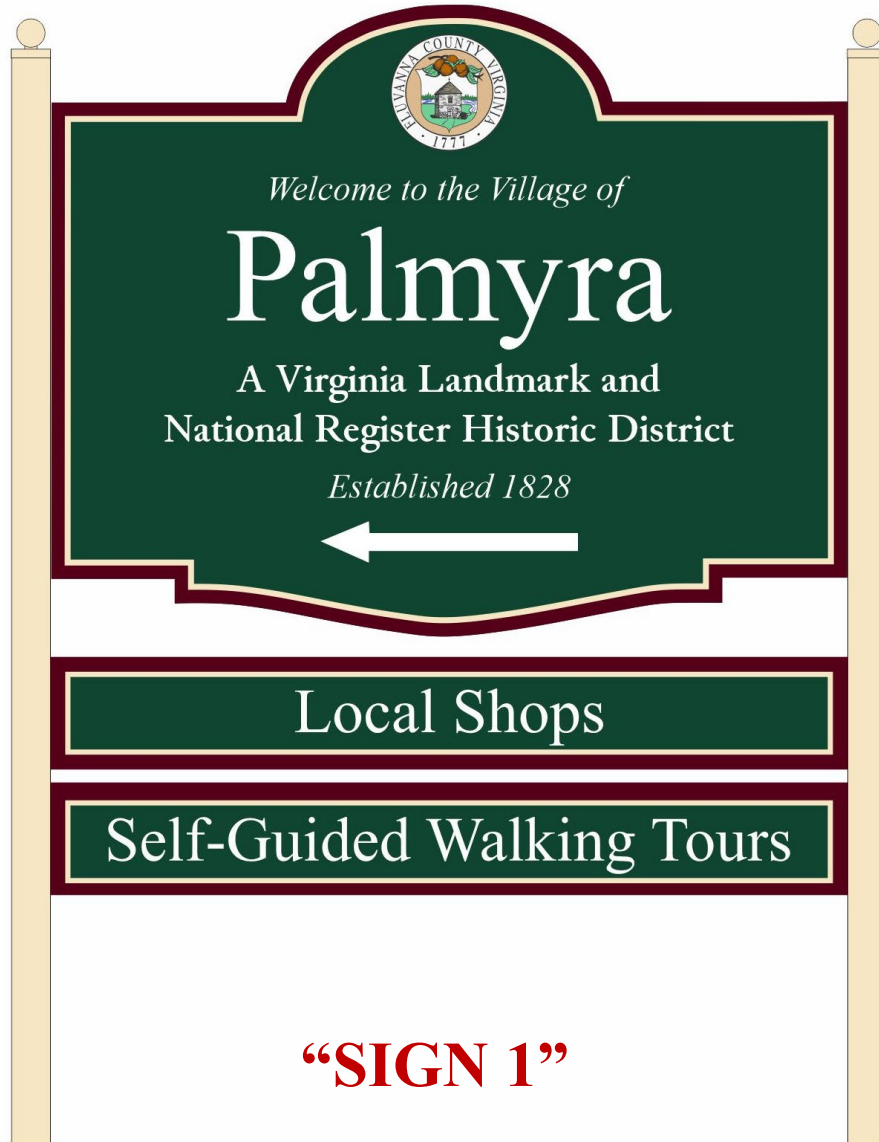




# EDTAC SIGN RECOMMENDATIONS: "SIGN 2"



# SIDE BY SIDE VIEW OF THE PROPOSED SIGNS



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# QUESTIONS?



**FLUVANNA COUNTY BOARD OF SUPERVISORS**  
**BCC APPOINTMENTS STAFF REPORT**

**TAB E**

<b>MEETING DATE:</b>	May 18, 2022		
<b>AGENDA TITLE:</b>	Board, Commission, and Committee Appointments		
<b>MOTION:</b>	<b>I move the Board of Supervisors approve the following Board, Commission, or Committee appointment(s):</b>		
<b>Board/Commission/Committee</b>	<b>Appointees</b>	<b>Begins Term</b>	<b>Ends Term</b>
Agricultural-Forestal District Advisory Council – Landowner	Andrew Pullen (I) Tim Hodge	7/1/2022	6/30/2026
Agricultural-Forestal District Advisory Council – Landowner	Andrew Pullen (I) Tim Hodge	7/1/2022	6/30/2026
Finance Board - Citizen Representative	Rudy Garcia (I) Tim Hodge Nelson Cook Jr Gene Ott	7/1/2022	6/30/2026
Library Board of Trustees – At-Large	Barbara Goshorn (I) Sherron Haley (I) Sandra Patterson Charles Haden Thomas Parrish	7/1/2022	6/30/2026
Library Board of Trustees – At-Large	Barbara Goshorn (I) Sherron Haley (I) Sandra Patterson Charles Haden Thomas Parrish	7/1/2022	6/30/2026
Library Board of Trustees – At-Large	Barbara Goshorn (I) Sherron Haley (I) Sandra Patterson Charles Haden Thomas Parrish	7/1/2022	6/30/2026
Planning Commission – Columbia	Ed Zimmer (I) Peter von Keyserling	7/1/2022	6/30/2026
Planning Commission – Fork Union District	David M. Goad	5/18/2022	6/30/2025

Planning Commission – Fork Union District	Geri Russell	5/18/2022	6/30/2025
Planning Commission – Rivanna	Gequetta Murray-Key (I)	7/1/2022	6/30/2026

### BCC VACANCIES AND APPLICANTS

BCC Vacancies	Applicants	Appt	District	Current BCC Appointments / Other Notes
Agricultural-Forestal District Advisory Council – Landowner	Andrew Pullen	Reappt	Columbia	Incumbent seeking reappointment. Term beginning July 1, 2022 and ending June 30, 2026.
Agricultural-Forestal District Advisory Council – Landowner	Tim Hodge	Appt	Palmyra	Term beginning July 1, 2022 and ending June 30, 2026.
Finance Board - Citizen Representative	Rudy Garcia	Reappt	Fork Union	Incumbent seeking reappointment. Term beginning July 1, 2022 and ending June 30, 2026.
Finance Board - Citizen Representative	Tim Hodge	Appt	Palmyra	Term beginning July 1, 2022 and ending June 30, 2026.
Finance Board - Citizen Representative	Nelson Cook Jr	Appt	Columbia	Term beginning July 1, 2022 and ending June 30, 2026.
Finance Board - Citizen Representative	Gene Ott	Appt	Cunningham	Term beginning July 1, 2022 and ending June 30, 2026.
Library Board of Trustees – At-Large	Barbara Goshorn	Reappt	Columbia	Incumbent seeking reappointment. Term beginning July 1, 2022 and ending June 30, 2026
Library Board of Trustees – At-Large	Sherron Haley	Reappt	Columbia	Incumbent seeking reappointment. Term beginning July 1, 2022 and ending June 30, 2026.
Library Board of Trustees – At-Large	Sandra Patterson	Appt	Columbia	Term beginning July 1, 2022 and ending June 30, 2026. Also serving on the Social Services Board, and Parks and Rec Advisory Board.
Library Board of Trustees – At-Large	Charles Haden Thomas Parrish	Appt	Palmyra	Term beginning July 1, 2022 and ending June 30, 2026. Also serving on Fluvanna County Historic Preservation Advisory Group.
Planning Commission – Columbia	Ed Zimmer	Reappt	Columbia	Incumbent seeking reappointment. Term beginning July 1, 2022 and ending June 30, 2026. Also serving on Board of Zoning Appeals
Planning Commission – Columbia	Peter Von Keyserling	Appt	Columbia	Term beginning July 1, 2022 and ending June 30, 2026. Also serving on Board of Zoning Appeals.
Planning Commission – Fork Union District	David M. Goad	Appt	Fork Union	Unexpired Term to begin immediately and end June 30, 2025.

Planning Commission – Fork Union District	Geri Russell	Appt	Fork Union	Unexpired Term to begin immediately and end June 30, 2025.
Planning Commission – Rivanna	Gequetta Murray-Key	Reappt	Rivanna	Incumbent seeking reappointment. Term beginning July 1, 2022 and ending June 30, 2026.
<b>DISCUSSION:</b>	<ul style="list-style-type: none"> <li>- Agricultural-Forestal District Advisory Council – Landowner – Two positions with terms beginning July 1, 2022 and ending June 30, 2026.</li> <li>- Finance Board - Citizen Representative – One position with term beginning July 1, 2022 and ending June 30, 2026.</li> <li>- Library Board of Trustees – At-Large – Three at-large positions available with terms beginning July 1, 2022 and ending June 30, 2026</li> <li>- Planning Commission – Columbia – One position with term beginning July 1, 2022 and ending June 30, 2026.</li> <li>- Planning Commission – Fork Union District – Unexpired Term (previously held by Lewis Johnson who resigned April 30, 2022) began July 1, 2021 and ends June 30, 2025.</li> <li>- Planning Commission – Rivanna – One position with term beginning July 1, 2022 and ending June 30, 2026.</li> </ul>			
<b>ENCLOSURES:</b>	Candidate Applications			







# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Applicants are considered as vacancies occur and your application will be kept on file for three years.

Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services. Before completing the application, please review the membership requirements for the Board, Commission, or Committee for which you are interested. Applicants who do not meet membership requirements will not be put forward for consideration.

Name: <h2 style="margin: 0;">Andrew Pullen</h2>	Election: <input checked="" type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provide dates of education and experience. You may also provide a resume/CV.): Graduated from Fluvanna County High School in 2004, Liberty University - Bachelors in Fire Administration, Graduate of the Virginia Fire Officers Academy Career fireman for 17 years; volunteer for 20 years in Fluvanna	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Previously on Ag and Forestal Committee Serving second term on Fluvanna County School Board Fluvanna County School Board Ag and Forestal Committee	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): Volunteer fire/ems for 20 years, currently serve as Fire Chief in Kents Store Member of Byrd Chapel Methodist Church Fluvanna County School Board, second term	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: Id like to continue to serve on the Ag and Forestal committee, as a landowner whos property is in land use, as a supporter of ag and forestal districts, a supporter of conservation easements and to protect the rural nature of Fluvanna County, especially in the areas designated as rural preservation areas.	

**Fluvanna County Board, Committee, and Commission Attendance Policy**

(Approved June 17, 2015)

1. BCC members shall attend at least two-thirds of all scheduled meetings in each calendar year while serving.
2. The Chairperson of the board, commission, or committee shall notify the Clerk to the Board of Supervisors of any absences exceeding this policy.
3. The Clerk shall report these findings to the Board of Supervisors, typically in closed session.
4. Appointees who do not meet the attendance requirement without a valid reason(s) may be deemed to have rendered an implied resignation of that appointment.
5. The Board may choose to accept the resignation and appoint another person to fill the appointed position. The Board may also override the implied resignation and extend the appointment, if extenuating circumstances so dictate.
6. This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
X	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)		Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board		Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council		Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
	Economic Development Authority (EDA)		Library Board of Trustees		
	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)		Parks & Recreation Advisory Board (RAB)		

**Submit by email ([clerk@fluvannacounty.org](mailto:clerk@fluvannacounty.org)) or mail to:**

**County of Fluvanna, Attention: Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963**

By signing below you are indicating that you have read and understand the Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.

In accordance with Virginia Code §2.2-3705.1, by submitting this application, it is presumed that you are providing your personal contact information to be used for communicating with the County, and unless otherwise indicated by you, your personal contact information will not be shared publicly.

Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>Andrew Pullen</b>		Date <b>4-30-2022</b>	
Mailing Address (including City, State, & ZIP) <b>1837 Perkins Road, Kents Store, VA 23084</b>		Physical Address (if different)	
Years Lived in Fluvanna <b>35</b>	Phone # [REDACTED]	Alternate Phone #	Email Address [REDACTED]

**Office Use Only**

Application Received On:	<b>4-30-2022</b>	Application Received By:	<b>Leontyne Peck</b>
Acknowledgement Sent:	<b>5-2-2022</b>		
Renewal Date:		Remarks:	
Renewal Date:			
Renewal Date:			
Renewal Date:			





# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Applicants are considered as vacancies occur and your application will be kept on file for three years.

Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services. Before completing the application, please review the membership requirements for the Board, Commission, or Committee for which you are interested. Applicants who do not meet membership requirements will not be put forward for consideration.

Name: <b>Timothy Hodge</b>	Election <input type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union <input checked="" type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provide dates of education and experience. You may also provide a resume/CV.): Security Architect, Guinness Partnership UK, Nov 2013 to Nov 2015 ISC2 Membership Director, Northwest UK, International Information System Security Certification Consortium, Sep 2010 to Nov 2015 Board of Directors, IT Director, Security Printing and Systems UK Limited, Sep 2005 to Nov 2013 Chief of Communications Operations, United Air Force, Sep 1985 to Sep 2005	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Board of Directors, Security Printing and Systems UK Limited Membership Director for Northwest UK Chapter of ISC2	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): River Oaks and Village Oaks Neighborhood Group	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: I have spent my life in service to the United States and care deeply about the community and organizations that I am associated with. I have a proven track record of bringing people together to achieve the greater good.	

### **Fluvanna County Board, Committee, and Commission Attendance Policy**

(Approved June 17, 2015)

- BCC members shall attend at least two-thirds of all scheduled meetings in each calendar year while serving.
- The Chairperson of the board, commission, or committee shall notify the Clerk to the Board of Supervisors of any absences exceeding this policy.
- The Clerk shall report these findings to the Board of Supervisors, typically in closed session.
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- The Board may choose to accept the resignation and appoint another person to fill the appointed position. The Board may also override the implied resignation and extend the appointment, if extenuating circumstances so dictate.
- This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
X	Agricultural/Forestral District Advisory Committee	X	Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)	X	Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board		Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council		Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
	Economic Development Authority (EDA)		Library Board of Trustees		
	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)		Parks & Recreation Advisory Board (RAB)		

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In accordance with Virginia Code §2.2-3705.1, by submitting this application, it is presumed that you are providing your personal contact information to be used for communicating with the County, and unless otherwise indicated by you, your personal contact information will not be shared publicly.

Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>Timothy M. Hodge (from file)</b>		Date <b>4-15-2022</b>	
Mailing Address (including City, State, & ZIP) <b>264 Manor Blvd Palmyra, Va 22963</b>		Physical Address (if different)	
Years Lived in Fluvanna	Phone #	Alternate Phone #	Email Address

**Office Use Only**

Application Received On:	<b>4-15-2022</b>	Application Received By:	
Acknowledgement Sent:		Caitlin Solis	
Renewal Date:		Remarks:	
Renewal Date:			
Renewal Date:			
Renewal Date:			

## Timothy Hodge

### PROFILE:

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**A confident and experienced IT Leader, CISSP certified with a strong business and commercial focus with a proven track record of delivering world class "risk based cost effective" risk management & technical solutions.**

- Experience providing risk management and controls remediation on critical national infrastructure projects such as ID card and passport systems for central government customers
- Strong awareness of current technical threats and potential mitigations.
- Experience delivering security solutions and assurance on large programmes (£300m+) and projects (up to £1M), including hardware, secure applications development and security appliance configuration.
- Experienced people manager - leading, managing, mentoring and motivating people across a business of 500+ employees by influencing and motivating, from team level to board level.
- Unique blend of IT, security, commercial, legal and business skills, and experience.
- Experience controlling a £10m budget and track record of delivering under budget
- Managing large teams – in excess of 50 permanent/contract IT professionals including Software Developers, Database Administrators, IT Support, Helpdesk, Security, and Mgmt Info Systems.

### February 2018 to Present:

### IT Technician

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- Drafted RFP for Major Telephone System upgrade, Lead and project managed installation of entire project; improved communications capabilities and provided county with pandemic ready solution
- Driving force behind positive pay implementation enabled secure banking for the county
- Leading EFT finance implementation eliminating checks, speeding and securing transactions
- Worked with IT Director to modernize entire county infrastructure over last 4 years

### Nov 2015 to February 2018:

### Retirement / Sabbatical

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Time taken away from career to return to US and care for mother with terminal illness

### Nov 2013 to Nov 2015:

### Security Architect

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The Guinness Partnership is a public sector social housing charity providing affordable housing to low income families across the United Kingdom. As the UK's fourth largest provider of affordable housing across the country, a myriad of systems are required to maintain all aspects of operations from financial collections, to sensitive systems containing police reports and convictions on some tenants in transition status. Guinness therefore required connections into several government agencies to include benefits agencies, housing agencies, police and courts systems including civil and criminal.

- Sole security authority for a business with over 700 sites and 5,000 personnel.
- Developed the Information Security Management operations and programmes for entire business
- Developed and designed new systems architects with security and availability as cornerstone
- Developed mobile working solution architecture to allow secure mobile access for housing officers, maintenance personnel, and managers while away from main office complexes
- Delivering presentations and reports on Information Security performance, metrics, and Key Performance Indicators (KPIs) to deliver to the Board of Directors.
- Preparation of Risk Management documentation and reports for customers in order to demonstrate that appropriate remediation measures are in place, including HMG IS1, IS2, and SOX controls.
- Writing contract inclusions to address security and IT for suppliers; Business relationship management

### Sep 2005 to Nov 2013:

### Head of Information Security / IT Director

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3M (Security Printing and Systems) is a major UK security printing and systems company delivering a broad range of secure documents and systems to the UK Government and Private sector. In 2008, the company expanded into the international secure printing and systems market raising total turnover in excess of £123m. Reporting directly to the MD, I have a broad set of responsibilities, some of which are outlined below.



- Strategic planning of the Information Security Management function and programmes
- Maintaining assurance of the highest levels of security across all new and existing business IT systems
- As a Board member, responsible for delivering presentations and reports on Information Security performance, metrics, and Key Performance Indicators (KPIs) at board meetings.
- Writing contract inclusions to address security and IT for suppliers; Business relationship management
- Leading / directing a large team (Project/Programme Management and delivery, Application Development and delivery, Infrastructure Support, Procurement and Change Management)
- Chairing company Information Security Management Forum and participating in customer Information Security Working Group meetings on a monthly basis
- Data Protection Act focal point within the business; liaison between customers, ICO, and business

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**Sep 1985 to Sep 2005: United States Air Force – Comsec and Communications Specialist**

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20 year career as a communications and COMSEC specialist in the United States Air Force. 10 years working mainstream Air Force Communications and Nuclear facilities, last 10 years spent working Intelligence and NSA special programmes and systems

- Directly supervises 28 personnel in five distinct career fields
- Manages and operates over \$5 Million in network assets
- Represents organisational leadership on all communications issues with suppliers, distributors and customers
- Liaises with Operational and Logistics Managers to provide time-sensitive information to U.S. national leadership, and a worldwide customer base of over 100,000 personnel
- Personally recognized as best in communications and computer systems field
  - Air Intelligence Agency's top communicator for three consecutive years (1995-1997)...An Agency First!
  - 1998 and 1999 awarded Superior Senior Intelligence Communicator award for European theatre
  - 2000 Air Intelligence Agency's top manager for Communications and Computers Systems
- 1998-2003 recipient of Major General McClelland and Chief Master Sergeant Swindell Awards for Air Intelligence Agency's Best Communications Organisation

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**WORK HISTORY:**

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**Guinness Partnership, Oldham.**

December 2005 – Current                      Head of Information Security / IT Director

**3M (Security Printing and Systems), Oldham.**

December 2005 – Current                      Head of Information Security / IT Director

August 2005 – December 2005              Information System Security Officer

**United States Air Force, various UK bases.**

April 1995 – August 2005                      Chief, Communication Operations / Cryptographic Custodian

January 1990 – April 1995                      Non-Commissioned Officer in Charge, Record Communications Branch

September 1985 – January 1990              Information Systems Operator and Communication Security Custodian.

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**QUALIFICATIONS / EDUCATION:**

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**(ISC)2 – International Information Systems Security Certification Consortium**

Certified Information Systems Security Professional (CISSP)

**APMG International**

Prince II Registered Practitioner

**University of Maryland, Maryland, USA**

Information Systems Management (3.8 GPA).



# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

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Name: <b>Rudy L. Garcia</b>	Election <input type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input checked="" type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience. You may also provide a resume/CV.): <b>See Resume</b>	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: <b>See Resume</b>	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): <b>See Resume</b>	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: I have been serving the county in some capacity since 2012. I currently am Treasurer of the Chamber of Commerce. Continuing to serve on the Economic Development Authority and as the Citizen Representative to the County Finance Board would be a natural extension that would better allow the Chamber and the EDA to serve their joint constituents.	

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(Approved June 17, 2015)

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**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee	X	Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)		Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board		Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council	X	Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
X	Economic Development Authority (EDA)		Library Board of Trustees		
	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)		Parks & Recreation Advisory Board (RAB)		

**Submit by email ([clerk@fluvannacounty.org](mailto:clerk@fluvannacounty.org)) or mail to:**

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Applicant's Signature <i>(Typing name below serves as digital signature)</i>		Date <b>4-18-2022</b>	
Mailing Address (including City, State, & ZIP) <b>802 Rivanna Woods Drive</b>		Physical Address (if different)	
Years Lived in Fluvanna <b>21</b>	Phone # [REDACTED]	Alternate Phone # [REDACTED]	Email Address [REDACTED]
Office Use Only			
Application Received On:	<b>4-18-22</b>	Application Received By: <b>Leontyne Peck</b>	
Acknowledgement Sent:	<b>4-19-22</b>		
Renewal Date:		Remarks:	
Renewal Date:			
Renewal Date:			
Renewal Date:			





**GLOBAL VIEW CAPITAL®**  
A D V I S O R S

*Global View Capital Advisors is a global network of financial service professionals servicing thousands of clients with innovative solutions in an unpredictable world.*



### **Rudy Garcia**

Executive Director  
802 Rivanna Woods Dr  
Fork Union VA 23055  
Office: 804-323-3032 x 101  
Fax: 804-767-1844  
Cell: 850-776-9209  
E-mail: [rgarcia@gvcaponline.com](mailto:rgarcia@gvcaponline.com)  
Web: [gvcaponline.com](http://gvcaponline.com)

*At Global View Capital Advisors, our mission is to help design, grow, and protect the personal economies of families from all over the world.*

#### **BIOGRAPHY**

Rudy has a diverse background of over 30 years of coaching and financial consultation experience that he relies on to work with clients on their personal and business retirement plans.

Rudy grew up in south Florida and spent 18 years living in Key West before joining the US Army and spending the next 22 years serving the country in various assignments in multiple locations across the US, Europe and North Africa. It was while he was in the Army that Rudy fell in love with learning and education and developed a passion for serving others.

He has over 25 years of adult education experience, having served as a trainer educator in the U.S. Army and the Federal Emergency Management Agency. He brings over 26 years of Managerial experience in both the military and federal government, culminating his military career as the Deputy Commandant for the US Army's Quartermaster School's NCO Academy where he oversaw curriculum development and delivery of over 23 courses to over 3000 students annually. Rudy also has experience as a High School French and Spanish Teacher at Fork Union Military Academy. Because of his experience with the Army, FEMA and his own

Master's Program, Rudy is quite familiar and comfortable with distance learning as a delivery medium for training and education classes.

The passion he brings about educating others is built into the way he conducts business. Whether he is meeting with a business owner and providing an evaluation of an employer sponsored retirement plan or with a family discussing the paths they can take to move closer to their ultimate retirement goals, Rudy makes each experience an educational event.

Because of his many years of experience in adult education it was a natural outgrowth for him to adapt those skills to serving the business community; as a result he has been conducting live educational seminars for business owners for the past several years. These skills serve well in the employer sponsored retirement plan arena as he brings his experience to bear on the employee educational plans that are so essential to each plan participant achieving their goals.

Rudy's desire to serve others also manifests itself in his community involvement. He has been involved in service organizations since 1980 when he was the Lion Tamer for the Ft Bliss Lions Club in El Paso, Texas. While stationed in Tunisia in the mid 1990's he was the treasurer for the US Government Employees Recreation

Association and the President of the Tunis American Softball Association. He continued his community service throughout his military career and is still serving his community today as a Board Member for multiple non-profits and trade associations as well as a member of the Rotary Club of Fluvanna County.

Rudy is married to Catherine, who is currently teaching Freshman English at Fork Union Military Academy, and more significantly, is a Retired Command Sergeant Major with 24 years of service in the Criminal Investigation Command of the US Army. Rudy has two children, Edward and Georgia and three grandchildren, Noah, Gabriel and Hannah.

### QUALIFICATIONS

Chartered Retirement Plans Specialist<sup>SM</sup>

Professional Plan Consultant<sup>TM</sup>

Accredited Domestic Partnership Advisor<sup>SM</sup>

Owner Rivanna Woods Financial Tax Services

Owner Global View Capital Advisors

### MEMBERSHIP ORGANIZATIONS

Director Fluvanna County Economic Development Authority 2018-Present

Member Economic Development and Tourism Advisory Council 2014-2018

Director and President- Prevent Child Abuse Virginia- 2012-Present

Rotary Club of Fluvanna County 2011-Present

Director Fluvanna Chamber of Commerce 2013- Present

Director Retail Merchants Association 2010-Present

Director Youth Life Foundation Richmond 2012-2016

Fluvanna Leadership Development Program Steering Committee 2012-Present

Fluvanna County Finance Board- 2014-Present

Director and Treasurer Goochland Chamber of Commerce- 2007-2013

### BUSINESS PHILOSOPHY

My philosophy is relatively simple. I have adopted the filter of the Rotary Four Way Test into all of my business dealings:

First: Is it the Truth

Second: Is it fair to all concerned?

Third: Will it build good will and better friendship?

Fourth: Will it be beneficial to all concerned?

I also adhere to the ROTARIAN CODE OF CONDUCT

So As a Rotarian, I will:

1. Act with integrity and high ethical standards in my personal and professional life
2. Deal fairly with others and treat them and their occupations with respect
3. Use my professional skills through Rotary to mentor young people, help those with special needs, and improve people's quality of life in my community and in the world
4. Avoid behavior that reflects adversely on Rotary or other Rotarians

I have found that by following these two "Golden Rules" I am able to deal honestly and fairly with not only my clients, but also everyone I happen to meet during the course of a day.



# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Name: <b>Gene Ott</b>		Election <input type="checkbox"/> Columbia <input checked="" type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other		
Mailing Address (including City, State, & ZIP) 212 VILLAGE BLVD PALMYRA VA 22963		Physical Address (if different)		
Years Lived in Fluvanna <b>25</b>	Cell Phone – preferred?	Home Phone – preferred?	Email	
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience.): See resume				
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Board Of Supervisors 2004 -2010, Chairman 2010; CPMT; Audit Committee; Emergency Service Director; County Finance Board; Transportation Safety Commission; Palmyra Wastewater Committee; Piedmont Work Force Council; Thomas Jefferson Planning Economic Development Committee; Water Committee				
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): LOMA Finance Committee, Vice Chairman 1999-2003; Fluvanna Habitat For Humanity Board, five years; Fluvanna Calvary Chapel building committee and accountant; Contracting and supervising operations for Country Creek Way for acceptance into the VDOT road system as directed by the Fluvanna BOS; Coaching junior varsity football at the Covenant School.				
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: Contribute to the operations of the county and use my experience wisely.				
<p><b>Applicants are considered as vacancies occur and your application will be kept on file for three years.</b></p> <p>Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.</p> <p><b>Submit by email (<a href="mailto:clerk@fluvannacounty.org">clerk@fluvannacounty.org</a>) or mail to:</b>  <b>Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963</b></p> <p><i>By signing below you are indicating that you have read and understand the attached Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.</i></p>				
Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>Gene F. Ott (From file)</b>			Date <b>May 10, 2020</b>	



**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES ON WHICH YOU WISH TO SERVE.**

X	Board, Commission, Committee
	Agricultural/Forestral District Advisory Committee
	Board of Equalization (BOE)
X	Board of Zoning Appeals (BZA)
X	Building Code of Appeals Board
	Central Virginia Regional Jail (CVRJ) Authority
	Columbia Task Force (CARE)
X	Community Policy & Management Team (CPMT)
	Economic Development Authority (EDA)
	Economic Develop. & Tourism Advisory Council (EDTAC)
X	Family Assessment and Planning Team (FAPT)
X	Finance Board
	Fluvanna Partnership for Aging Committee (FPA)
	Fork Union Sanitary District (FUSD) Advisory Committee
	James River Water Authority (JRWA)
	JAUNT Board

X	Board, Commission, Committee (cont.)
	Jefferson Area Board of Aging (JABA) Advisory Council
	Jefferson Area Board of Aging (JABA) Board of Directors
X	Library Board of Trustees
	Monticello Area Community Action Agency (MACAA)
	Palmyra Area Revitalization Committee (PARC)
	Parks & Recreation Advisory Board (RAB)
	Piedmont Virginia Community College (PVCC) Board
X	Planning Commission
	Region Ten Community Services Board
	Rivanna River Basin Commission
X	Social Services Board
	Thomas Jefferson Planning District Commission (TJPDC)
	Thomas Jefferson Water Resources Protection Foundation
	Youth Advisory Council (YAC)
	OTHER:

**Fluvanna County Board, Committee, and Commission Attendance Policy**

(Approved June 17, 2015)

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5. The Board may choose to accept the resignation and appoint another person to fill the appointed position. The Board may also override the implied resignation and extend the appointment, if extenuating circumstances so dictate.
6. This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

Office Use Only		
Application Received On:	May 10, 2020	Application Received By: Caitlin Solis
Acknowledgement Sent:	May 11, 2020	
Renewal Date:		Remarks:
Renewal Date:		
Renewal Date:		
Renewal Date:		

Gene F. Ott  
243 Country Creek Way  
Palmyra, Virginia 22963  
[REDACTED]

### ACCOMPLISHMENTS

**Elected twice as Fluvanna County Supervisor (Rivanna District)...** Taught Accounting Information Systems (COMM 410) at University of Virginia, McIntire School of Commerce; taught accounting as a graduate assistant at Penn State, and then six semesters of Accounting and Economics at Tidewater and Craven Community Colleges... Chief Financial Officer (CFO) Fork Union Military Academy, coached football, wrestling, baseball... Held a series of demanding **leadership** roles from being Battalion Commander of my Penn State NROTC unit to achieving the rank of Captain, Supply Corps, U S Navy, with my final duty as the Deputy Commander of Defense Distribution Region East, the largest wholesale depot in the Department of Defense where I managed an organization of over 3800 people... **Innovator** Changed the shipment of member's personal property leaving Iceland from commercial ship to space available government air saving over two million dollars a year and providing much faster and safer delivery for our military personnel... **Accountable and responsible** supply officer at four major Navy commands and received seven personal and 20 total decorations... Western Pacific Data Systems **Project manager and software demonstrator** for two successful U S Air Force contract bids. Office manager and clerk for local organization using quick books and performing all office functions for two years.

### PERSONAL STRENGTHS

Friendly personality... accounting, financial management, and logistics expertise... leadership/management skills... persuasive and entertaining public speaker and lecturer... sincere and encouraging listener... computer expertise... moral courage... ability to develop/execute programs/procedures based on management's policies and regulations.

### EDUCATION

Master of Science, Accounting, Penn State University.  
Bachelor of Science, Accounting, Penn State University.  
Naval War College, Newport, RI, Senior Course.  
Various Navy business courses accumulating over two years classroom time.

### EMPLOYMENT

**From January 2004 to 2010**, I was an elected official of the people of Fluvanna County as Fluvanna County Supervisor (Rivanna District). Was part of the six member governing body of the county. Produced budgets, set tax rates, set and administer zoning and other county

regulations. Served on a four year term with about 40 hours work per month... Also worked as office manager/bookkeeper for nonprofit company from March 2006 to November 2007.

*From September 1999 to September 2002, first taught, counseled, and coached middle school cadets at Fork Union Military Academy. From December 2000 was the Chief Financial Officer (CFO) of the Academy. Produced and presented budget and financial statements to the Academy President and Board of Trustees. Managed over 100 employees in all the services activities of the Academy.*

**From January 1993 to May 1997** worked for Western Pacific Data Systems-La Jolla on the Government On-Line Data (GOLD) Logistics Software as a Project Manager and Senior Logistics Analyst. I performed on-site reviews of procedures and processes, prepared design studies, briefed management, conducted training, and assisted during initial installation of GOLD at customer sites. My clients included McDonnell Douglas Aircraft, Rockwell International, Lockheed Martin, Westinghouse, Pemco Aeroplex, the Malaysian Air Force, and the US Air Force.

**From July 1967 - September 1991** was on active duty as a commissioned officer in the United States Navy attaining the rank of **Captain, Supply Corps, U.S. Navy** in 1988.

**From March 1989 to September 1991** was a Senior Executive as the Deputy Commander, Defense Distribution Region East (DDRE) and Defense Depot Mechanicsburg, PA. DDRE was largest DOD wholesale depot with six million issues annually. Worldwide wholesale support of all commodity classes. Implemented the largest distribution center and the automated Integrated Material Complex (IMC) for the Department of Defense. Managed over 3800 employees at various remote locations. Managed base facilities including housing administration, dining areas, golf course, and a complete range of recreational facilities. Used automated accounting systems to monitor and manage financial as well as operational business cycle goals and objectives.

**From July 1967 to March 1989** worked in a progression of operational positions in material management, inventory control, transportation, financial management, payroll, and retail support areas. Served in-country Vietnam. Always responsible for employee discipline and morale. Have extensive experience in using automated payroll, inventory, and general accounting systems.





# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Name: <b>Nelson H Cook Jr</b>		Election <input checked="" type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union	
		District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other	
Mailing Address (including City, State, & ZIP) 5056 Venable Road Kents Store, VA 23084		Physical Address (if different)	
Years Lived in Fluvanna 1 Month	Cell Phone – preferred? [REDACTED]	Home Phone – preferred?	Email [REDACTED]
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience.): Currently director of preconstruction for construction company in Richmond Past chief estimator in Seattle, WA (2010 to 2020) Past US Navy SeaBee (1992 to 1997)			
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Chairman of Junior Builders Exchange (Rochester, NY) 2006 to 2008			
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): Deacon Board Chairman, Puyallup Community Baptist Church (2015 to 2019)			
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: We are new to the county and I would like to serve our new community.			
<p><b>Applicants are considered as vacancies occur and your application will be kept on file for three years.</b></p> <p>Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.</p> <p><b>Submit by email (<a href="mailto:clerk@fluvannacounty.org">clerk@fluvannacounty.org</a>) or mail to:</b>  <b>Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963</b></p> <p><b>By signing below you are indicating that you have read and understand the attached Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.</b></p>			
Applicant's Signature <i>(Typing name below serves as digital signature)</i>		Date <b>8/28/2020</b>	

**PLEASE INDICATE BELOW ANY BOARDS, COMMISSIONS, OR COMMITTEES ON WHICH YOU WISH TO SERVE.**

<b>X</b>	<b>Board, Commission, Committee</b>
	Agricultural/Forestral District Advisory Committee
	Audit Committee
	Board of Equalization (BOE)
X	Board of Zoning Appeals (BZA)
X	Building Code of Appeals Board
	Central Virginia Regional Jail (CVRJ) Authority
X	Columbia Task Force (CARE)
	Community Policy & Management Team (CPMT)
	Economic Development Authority (EDA)
	Economic Develop. & Tourism Advisory Council (EDTAC)
	Family Assessment and Planning Team (FAPT)
X	Finance Board
	Fluvanna Partnership for Aging Committee
	Fork Union Sanitary District (FUSD) Advisory Committee
	James River Water Authority (JRWA)
	JAUNT Board

<b>X</b>	<b>Board, Commission, Committee (cont.)</b>
	Jefferson Area Board of Aging (JABA) Advisory Council
	Jefferson Area Board of Aging (JABA) Board of Directors
	Library Board of Trustees
	Monticello Area Community Action Agency (MACAA)
	Palmyra Area Revitalization Committee (PARC)
X	Parks & Recreation Advisory Board
	Piedmont Virginia Community College (PVCC) Board
	Planning Commission
	Region Ten Community Services Board
	Rivanna River Basin Commission
	Social Services Board
	Thomas Jefferson Planning District Commission (TJPDC)
	Thomas Jefferson Water Resources Protection Foundation
	Youth Advisory Council (YAC)
	OTHER:

**Fluvanna County Board, Committee, and Commission Attendance Policy**

(Approved June 17, 2015)

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6. This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

<b>Office Use Only</b>		
Application Received On:		Application Received By:
Acknowledgement Sent:		
Renewal Date:		Remarks:
Renewal Date:		
Renewal Date:		
Renewal Date:		

## NELSON H COOK JR, LEED AP, ASSOC DBIA

### PROFESSIONAL PROFILE

My experience has covered many delivery methods as well as project types. I have been responsible for management oversight as well as hands-on for all phases of a construction project estimate. Including coordinating estimators, subcontractors, and material vendors. I have a proven track record of ensuring estimates are completed on schedule and with accuracy.

- Excellent client facing skills to confirm goals are met and relationships maintained.
- Capable of effectively reviewing estimates for pricing, risks and take-offs.
- Diligent communication and coordination skills to allow for a total team “buy-in” approach during the preconstruction process.
- Exceptional ability in bid package development to reduce risk and provide complete analysis.
- Proven design management and leadership skills to safeguard all stakeholder’s needs.
- Skilled at assessing current training and processes to ensure continuous improvement of personnel and procedures.
- Ability to analyze subcontractor and supplier proposals for thorough and complete project approach.
- Demonstrated leadership in both the preconstruction process and business wide.

### PROFESSIONAL ACHIEVEMENTS

- Preconstruction Director leading team of 6 handling the preconstruction process for revenue greater than 300 million per year.
- Instituted project hand-off to ensure operations has complete and detailed information helping to ensure project goals are met.
- Established a historical cost data capture system to better predict project costs during client interactions and cost studies.
- Lead Estimator for progressive design build at International Arrivals Facility. Project measures over 500,000 sqft with a budget in excess of \$500,000,000.
- Awarded quarterly “Best Purchasing Process” for region while purchasing 16 trade packages with a value in excess of \$75,000,000.
- Standardized model-based take-off organization to allow for efficient evaluation of design changes allowing for quicker response and ability to better manage design decision process.
- Developed basis of design template for multi-family fixtures and finishes to allow for communicating level of quality to both subcontractors and client.
- Awarded 4.4 million in contracts from Aug ’13 to Aug ’14, an increase of over 200% from previous year.
- Built and maintained database thus reducing time expended for 2D take off by over 50%.
- Lead estimator for 135 million dollars negotiated GMP multifamily high rise.
- Lead estimator for reroofing project more than 900,000 sqft for major aerospace manufacturing company.
- Lead estimator for 14 million dollar negotiated GMP multifamily concrete/wood multifamily mid-rise construction.
- Standardized subcontractor “table sheets” to reduce tabulation and evaluation errors. Reduction was approximately 20%.



- SKILLS**
- Proficient in Sage 300 “Timberline” estimating software
  - Associate DBIA
  - LEED Accredited Professional
  - Highly skilled in digital take-off software including On-Screen Takeoff and PlanSwift
  - Administrator for Assemble Systems (model-based takeoff)
  - Proficient user of Autodesk BIM 360

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**WORK HISTORY**

**DIRECTOR OF PRECONSTRUCTION, BREEDEN CONSTRUCTION, RICHMOND VA**

July 2020 - Present

**CHIEF ESTIMATOR, KATERRA/UEB BUILDERS, SEATTLE WA**

October 2018 – July 2020

**SENIOR ESTIMATOR, CLARK CONSTRUCTION GROUP, SEATTLE WA**

September 2015 – October 2018

**LEAD ESTIMATOR, ALUTIIQ LLC, TACOMA WA**

August 2013 – September 2015

**SENIOR ESTIMATOR, PCL CONSTRUCTION, BELLEVUE, WA**

January 2012 – August 2013

**SENIOR ESTIMATOR, ABSHER CONSTRUCTION, PUYALLUP, WA**

October 2010 – January 2012

**CHIEF ESTIMATOR, LECHASE CONSTRUCTION SERVICES LLC, ROCHESTER, NY**

January 1999 - October 2010

**PROJECT MANAGER / ESTIMATOR, ALLIED BUILDERS INC, BROCKPORT, NY**

January 1996 - January 1999

**ESTIMATOR, THE BELL CORPORATION, ROCHESTER, NY**

January 1992 - January 1996

**BUILDER, UNITED STATES NAVY, VARIOUS LOCATIONS**

January 1987 - January 1992

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**EDUCATION**

**UNITED STATES NAVY “A” SCHOOL**

Graduated technical school with a 3.8 evaluation and 3<sup>rd</sup> in a class of 60.

**NORTH TONAWANDA HIGH SCHOOL**

High school diploma

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**REFERENCES**

**AVAILABLE UPON REQUEST**



# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Applicants are considered as vacancies occur and your application will be kept on file for three years.

Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services. Before completing the application, please review the membership requirements for the Board, Commission, or Committee for which you are interested. Applicants who do not meet membership requirements will not be put forward for consideration.

Name: <b>Barbara Wright Goshorn</b>	Election <input checked="" type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience. You may also provide a resume/CV.): BA from Duke University JD from UVA	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Social Services Board Library Board	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates):	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: Libraries are an essential resource for any population. Given the distance to the nearest city, a good local library is needed to provide those living in Fluvanna with materials for education and entertainment. Over the years the library has provided services for those job hunting as well as those pursuing online education.	

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(Approved June 17, 2015)

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6. This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**



X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)		Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board		Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council		Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
	Economic Development Authority (EDA)	X	Library Board of Trustees		
	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)		Parks & Recreation Advisory Board (RAB)		

**Submit by email ([clerk@fluvannacounty.org](mailto:clerk@fluvannacounty.org)) or mail to:**

**County of Fluvanna, Attention: Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963**

By signing below you are indicating that you have read and understand the Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.

In accordance with Virginia Code §2.2-3705.1, by submitting this application, it is presumed that you are providing your personal contact information to be used for communicating with the County, and unless otherwise indicated by you, your personal contact information will not be shared publicly.

Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>Barbara Wright Goshorn</b>		Date <b>04-04-22</b>	
Mailing Address (including City, State, & ZIP) <b>257 Plain Dealing Road, Palmyra, VA 22963</b>		Physical Address (if different)	
Years Lived in Fluvanna <b>44</b>	Phone # 	Alternate Phone #	Email Address 

**Office Use Only**

Application Received On:	<b>04-04-22</b>	Application Received By:	<b>Leontyne Peck</b>
Acknowledgement Sent:	<b>04-04-22</b>	Remarks:	
Renewal Date:			
Renewal Date:			
Renewal Date:			





# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Applicants are considered as vacancies occur and your application will be kept on file for three years.

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Name: <b>Charles Haden Thomas Parrish</b>	Election <input type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union District: <input checked="" type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience. You may also provide a resume/CV.): <b>Resume Attached</b>	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: <b>Parks and Recreation Advisory Board (RAB) - Youth Representative - 2012-2014</b> <b>Comprehensive Plan - Fluvanna County Historic Preservation Advisory Group - 2022- Present</b>	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): <b>Resume Attached</b>	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: <b>See Attached</b>	

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**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)		Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board		Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council		Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
	Economic Development Authority (EDA)	X	Library Board of Trustees		
	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)		Parks & Recreation Advisory Board (RAB)		

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In accordance with Virginia Code §2.2-3705.1, by submitting this application, it is presumed that you are providing your personal contact information to be used for communicating with the County, and unless otherwise indicated by you, your personal contact information will not be shared publicly.

Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>Charles Haden Thomas Parrish (from file)</b>		Date <b>4/28/2022</b>	
Mailing Address (including City, State, & ZIP) <b>P.O. Box 85. Palmyra Va 22963</b>		Physical Address (if different) <b>429 Main Street Palmyra Va 22963</b>	
Years Lived in Fluvanna <b>25</b>	Phone # [REDACTED]	Alternate Phone #	Email Address [REDACTED]

**Office Use Only**

Application Received On:	<b>2022-05-04</b>	Application Received By:	
Acknowledgement Sent:	<b>2022-05-04</b>	Caitlin Solis	
Renewal Date:		Remarks:	
Renewal Date:			
Renewal Date:			
Renewal Date:			

## REASONS FOR WANTING TO SERVICE FLUVANNA COUNTY:

I am a lifelong patron of the Fluvanna County Library, first getting my library card with my Grandma when the library was located at Carysbrook. It is no surprise to anyone who ever watched my Little League baseball games at Carysbrook that I would rather have been reading between the bookshelves than running between the bases. Since that time, I have been a member of the Friends of the Fluvanna County Library, participate in their annual book sales, donate books and other media for their fundraisers, and have taken part in many of the library's programming opportunities. I have seen the Library continue to expand its vast services to Fluvanna, particularly turning the "new" building into a true community center. Before, but especially during, the pandemic, I've been so impressed with the library's ability to advertise and provide services, including free COVID-19 tests, access to basic needs like computers and wifi, and expand access to literature and other community needs via programming. My favorite part of the library, the local-history room, has allowed me to time and again learn more about this County of ours.

I find the library to be one of the most inspiring elements of our local government - a place for residents of any age to gather and take advantage of the resources they need: free internet usage, checking out a puzzle to piece together with their family, enjoying the work of local artists, discovering the history of the land beneath them and culture around them, learning about geothermal energy, hosting a meeting of community members, or expanding their knowledge in new and unpredictable ways. If given the opportunity to join the board, I would work alongside the other trustees to maintain the value that the library provides to the Community, and explore ways to expand these services to keep up with the growing population.

I would be interested in exploring how the Library could expand its services to communities more distant from the actual Library building, making sure that children and adults in Scottsville, Columbia, Kents Store, Bremo, and everyone in between, can know about and take advantage of the unique opportunities the Library offers them. Whether this be mobilizing aspects of the library to established points in different regions of the County, or establishing partnerships that provide transportation for residents that otherwise would find it difficult to make it to the library, I look forward to discussing the possibilities with the Trustees.

The Fluvanna County Library creates daily anecdotes about what it means to be a community and how our local government successfully provides for our residents, and if given the opportunity I look forward to contributing to this facet of Fluvanna County as a Trustee.



# Charles “Haden” Thomas Parrish

BOS2022-05-18 p.228/306

██████████ | ██████████ | P.O. Box 85 Palmyra, Va 22963

## EDUCATION

**Vanderbilt University, Peabody College – Nashville, TN** **August 2020 - May 2022**

- *Master of Education: Human Development Counseling, School Counseling Track*
- *School Counseling Intern: Waverly-Belmont Elementary School; Two Rivers Middle School; Hillsboro High School* – maintained a weekly or bi-weekly caseload of 8-10 students in addition to supporting the school counselor with other counseling or administrative responsibilities. Facilitated an 8 student 10-week eight-grade anxiety small group

**The University of Virginia – Charlottesville, VA** **August 2014 - May 2018**

- *Bachelor of Arts: African American and African Studies; Sociology*

**Fluvanna County Leadership Development Program – Fluvanna County, Va** **2013-2014; 2019-2020**

- *Class 11 & 17 Student* - a program to educate citizens about Fluvanna County and the issues and challenges it faces; to prepare its citizens for involvement; and to encourage their participation in keeping Fluvanna a desirable place to live and work

**Meriwether Lewis Institute for Civic Leadership – Charlottesville, Va** **January 2015 – May 2018**

- *2018 Fellow; Vice President of Student Affairs Intern*
- A fellowship that brings together a diverse cohort of 25 students together for a two-and-a-half-year program to nourish lifelong leadership
- Culminated in a project proposal for a “Student Space Reservation” platform that navigated inter-University politics

**Fluvanna County High School – Fluvanna County, Va** **May 2014**

- *Student Government Association member*
- *Interact Club President*

## RELEVANT EXPERIENCE

**Fluvanna County Historic Preservation Advisory Group** **2022- Present**

- Advisory Committee to the Fluvanna County Planning Commission on topics of Historic Preservation

**Tadpole Land & Trail Conservancy** **February 2020 – Present**

- *Chairman* - Lead and represent the Board of Directors of this nonprofit corporation in Central Virginia in achieving the Corporation’s purposes in a manner that respects the natural environment and the ecologically sound use of land and natural resources
- Devoted to preserving and protecting natural ecosystems and wildlife habitats
- Educate the public on issues related to the environment and protection of natural resources
- Provide outdoor educational and recreational opportunities to the public

**Farm Bureau Board of Directors** **September 2018 - Present**

- *Scholarship Committee Chair* – set criteria for application and coordinate selection of recipients

**Office of Housing and Residential Experience, Vanderbilt University – Nashville, TN** **August 2020- Present**

- *Graduate Building Manager (Assistantship)* – supervised one of the Quarantine & Isolation dorms during the COVID-19 Pandemic that quarantined and isolated undergraduate residents and protected the broader community
- *Graduate Area Coordinator (Assistantship)* – work with 19 Resident Advisors to oversee and support two Residential Colleges

**Virginia College Advising Corps – Charlottesville, VA** **July 2018 – May 2020**

- *A joint venture of The University of Virginia and the College Advising Corps and is an AmeriCorps program.*
- *College Advisor at Fluvanna County High School*
- *Summer Facilitator* - helped develop a 4-week intensive training program to provide 40 new and returning advisers relevant information about college advising, admissions, college entrance exams, family engagement, and best practices
- Cultivated productive working relationships with school administrators, counselors, and teachers to promote a college-going culture at Fluvanna County High School
- Counseled one-on-one with 100% of graduating seniors and many underclassmen to find their “best match” post-secondary plans, complete applications, and discuss financial aid applications and resources
- Presented to classrooms of approximately 30 students as well as grade level assemblies with over 300 attendees on the importance of performing well academically, getting involved in extracurricular activities, and post-secondary planning
- Coordinated regular visits from local college and trade school representatives and military recruiters to the high school campus to enhance the visibility of post-secondary options to students
- Organized admissions and financial aid informational events for parents
- Researched, distributed, and organized scholarships for students to apply to
- Collected metrics such as submitted college applications, acceptances, scholarships, and financial-aid applications for a national external evaluation to quantitatively measure outcomes and qualitative results
- Coordinated field trips to allow students to experience college campuses across Virginia and Washington D.C.

**Madison House HelpLine – Charlottesville, Va** **January 2017-May 2018**

- *Phone Crisis Counselor (volunteer)* – received 30 hours of training to speak with callers on a variety of topics and provide a stable conversation in crisis situations – volunteered an average of 4 hours a week with occasional overnights during an academic year
- *Volunteer Trainer* – led 10-18 new volunteers through their 30-hour training semester, two semesters in a row

**Parks and Recreation Advisory Board (RAB)****December 2012 – August 2014**

- *Youth Representative*

**PROFESSIONAL DEVELOPMENT & MEMBERSHIPS****Eta Delta Chi Chapter of Chi Sigma Iota – Member****February 2021 – Present**

- *New Member Relations and Wellness Chair*
- An international honor society that values academic and professional excellence in counseling

**American School Counselor Association – Student Member****August 2020- Present****Americorps - Member****July 2018 -May 2020****Virginia College Access Network - Member****September 2018-May 2020**

- *2019 & 2020 Conference Attendee*

**National College Advising Corps - Member****September 2018- May 2020**

- *2018-2019 & 2019-2020 Summit attendee at the national level*

**Vanderbilt School Counselor Conference - Attendee****April 2019****Youth Mental Health First Aid – Certification****February 2019****AWARDS & HONORS****Superintendent's Award for Outstanding Community Member, Fluvanna County Public Schools****May 2019**

- Each year, the Superintendent awards one student, teacher,, and community member at graduation

**Madison House Volunteer of the Year, University of Virginia****April 2018**

- Madison House is an umbrella organization with 22 volunteer programs and 4,296 student volunteers

**Superintendent's Award for Outstanding Student, Fluvanna County Public Schools****May 2014**







# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Applicants are considered as vacancies occur and your application will be kept on file for three years.

Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services. Before completing the application, please review the membership requirements for the Board, Commission, or Committee for which you are interested. Applicants who do not meet membership requirements will not be put forward for consideration.

Name: <b>Sandra Patterson</b>	Election: <input checked="" type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience. You may also provide a resume/CV.): High school, some college credits. 2 in English. Hair Dresser (cosmetology) home health aide, admin assistant, data entry operator, payroll worker, security and record keeper	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Parks and Recreation Board DSS Board	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): FLRD Member, NAACP Member, Friends of the Library Member, VIP Coordinator, Triad Coordinator, Evergreen Baptist Church Member	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: I want to serve the community by giving back and being an active member of society.	

### Fluvanna County Board, Committee, and Commission Attendance Policy

(Approved June 17, 2015)

1. BCC members shall attend at least two-thirds of all scheduled meetings in each calendar year while serving.
2. The Chairperson of the board, commission, or committee shall notify the Clerk to the Board of Supervisors of any absences exceeding this policy.
3. The Clerk shall report these findings to the Board of Supervisors, typically in closed session.
4. Appointees who do not meet the attendance requirement without a valid reason(s) may be deemed to have rendered an implied resignation of that appointment.
5. The Board may choose to accept the resignation and appoint another person to fill the appointed position. The Board may also override the implied resignation and extend the appointment, if extenuating circumstances so dictate.
6. This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
X	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)		Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board	X	Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council		Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
	Economic Development Authority (EDA)	X	Library Board of Trustees		
X	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)	X	Parks & Recreation Advisory Board (RAB)		

**Submit by email ([clerk@fluvannacounty.org](mailto:clerk@fluvannacounty.org)) or mail to:**

**County of Fluvanna, Attention: Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963**

By signing below you are indicating that you have read and understand the Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.

In accordance with Virginia Code §2.2-3705.1, by submitting this application, it is presumed that you are providing your personal contact information to be used for communicating with the County, and unless otherwise indicated by you, your personal contact information will not be shared publicly.

Applicant's Signature <i>(Typing name below serves as digital signature)</i>		Date	
Sandra Patterson		3/24/2022	
Mailing Address (including City, State, & ZIP)		Physical Address (if different)	
39 Harris Lane Palmyra, VA 22963			
Years Lived in Fluvanna	Phone #	Alternate Phone #	Email Address
17	[REDACTED]	[REDACTED]	[REDACTED]

**Office Use Only**

Application Received On:	3-24-2022	Application Received By:	Leontyne Peck
Acknowledgement Sent:			
Renewal Date:		Remarks:	Hand delivered.
Renewal Date:			
Renewal Date:			
Renewal Date:			



# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Name: <b>Sherron J Haley</b>		Election <input checked="" type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union	
		District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other	
Mailing Address (including City, State, & ZIP) 4477 Long Acre Rd.		Physical Address (if different) 4477 Long Acre Rd.	
Years Lived in Fluvanna 34	Cell Phone – preferred? <input type="radio"/>	Home Phone – preferred? <input type="radio"/>	Email
<p>EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience.):</p> <p>Longwood College, Farmville, Virginia 1971-1972  Carson-Newman College, Jefferson City, Tennessee 1972-1975 Bachelor of Arts  Tarleton State University, Stephenville, Texas continuing studies</p>			
<p>CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES:</p> <p>I have served on the Fluvanna Library Board since 2006.</p>			
<p>CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates):</p> <p>In the past I served on the Church Council for Effort Baptist School and on the School Board for Effort Baptist Church</p>			
<p>REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY:</p> <p>I was born in Fluvanna in 1953, the daughter of a life-long educator, Emogene Johnson, and a full-time agronomist, Dallas Johnson. Married in 1972, I lived as a minister's wife in Tennessee, Texas, and Oklahoma for thirty-one years. After my husband's death, I returned home to Fluvanna where I am employed as a teacher at Fluvanna High School. I am passionate about education and the resources available to our community. As a youth I helped in the Fluvanna Baptist Church Library, and I was employed as a librarian in Rutledge High School, Tennessee. I had the privilege of serving on the library board during the construction of the new facility.</p>			
<p><b>Applicants are considered as vacancies occur and your application will be kept on file for three years.</b></p> <p>Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.</p> <p><b>Submit by email (<a href="mailto:clerk@fluvannacounty.org">clerk@fluvannacounty.org</a>) or mail to:</b>  <b>Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963</b></p> <p><i>By signing below you are indicating that you have read and understand the attached Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.</i></p>			
Applicant's Signature <b>Sherron J. Haley</b>		Date	



**PLEASE INDICATE BELOW ANY BOARDS, COMMISSIONS, OR COMMITTEES ON WHICH YOU WISH TO SERVE.**

<b>X</b>	<b>Board, Commission, Committee</b>
	Agricultural/Forestral District Advisory Committee
	Audit Committee
	Board of Zoning Appeals (BZA)
	Building Code of Appeals Board
	Central Virginia Regional Jail (CVRJ) Authority
	Columbia Task Force (CARE)
	Community Policy & Management Team (CPMT)
	Economic Development Authority (EDA)
	Economic Develop. & Tourism Advisory Council (EDTAC)
	Family Assessment and Planning Team
	Finance Board
	Fluvanna Partnership for Aging Committee
	Fork Union Sanitary District (FUSD) Advisory Committee
	James River Water Authority (JRWA)

<b>X</b>	<b>Board, Commission, Committee (cont.)</b>
	JAUNT Board
	Jefferson Area Board of Aging (JABA) Advisory Council
	Jefferson Area Board of Aging (JABA) Board of Directors
X	Library Board of Trustees
	Monticello Area Community Action Agency (MACAA)
	Parks & Recreation Advisory Board
	Piedmont Virginia Community College (PVCC) Board
	Planning Commission
	Region Ten Community Services Board
	Rivanna River Basin Commission
	Social Services Board
	Thomas Jefferson Planning District Commission (TJPDC)
	Thomas Jefferson Water Resources Protection Foundation
	Youth Advisory Council (YAC)

**Fluvanna County Board, Committee, and Commission Attendance Policy**

(Approved June 17, 2015)

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5. The Board may choose to accept the resignation and appoint another person to fill the appointed position. The Board may also override the implied resignation and extend the appointment, if extenuating circumstances so dictate.
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<b>Office Use Only</b>		
Application Received On:		
Acknowledgement Sent:		
Renewal Date:		
Renewal Date:		
Renewal Date:		
Renewal Date:		



# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

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Name: <b>David Michael Goad</b>	Election <input type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input checked="" type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provide dates of education and experience. You may also provide a resume/CV.): Professional: 1. Instructor/Coach - Fork Union Military Academy (2015-2019) 2. Academic Dean - Fork Union Military Academy (2019-Present) 3. Adjunct Professor - Longwood University (January 2018-December 2019) Education: 1. BA Hampden-Sydney College (2013) - History Major; Rhetoric Minor 2. MAT Secondary Education, Liberty University (2016) 3. PhD Student, Liberty University (Current) - 50% complete	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: N/A	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates):	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: servant-minded leader hoping to expand my scope of service beyond Academy duties and into the greater Fork Union and Fluvanna communities	

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**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)	X	Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board		Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council		Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
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	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
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Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>David M. Goad (from file)</b>		Date <b>4-22-2022</b>	
Mailing Address (including City, State, & ZIP) <b>PO Box 611 Fork Union VA, 23055</b>		Physical Address (if different) <b>417 Pettit Foster Ln Fork Union VA, 23055</b>	
Years Lived in Fluvanna <b>7</b>	Phone # [REDACTED]	Alternate Phone #	Email Address [REDACTED]
Office Use Only			
Application Received On:	<b>4-22-2022</b>	Application Received By:	
Acknowledgement Sent:	<b>4-22-2022</b>	<b>Caitlin Solis</b>	
Renewal Date:		Remarks:	
Renewal Date:			
Renewal Date:			
Renewal Date:			





# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

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Name: <b>Edward Zimmer</b>	Election <input checked="" type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience. You may also provide a resume/CV.): I have over 30 years experience in natural resources and land use. I am very familiar with the county, its people, and its land use patterns. I have also completed the Planning Commissioner training.	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: I have been an active member of the Fluvanna Planning Commission since 2012 and have served as Vice-Chairman of the Commission for about six of those years. I have also served on the Board of Zoning Appeals for about eight years	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): I am an active scout leader. I also serve on the Holiday Lake 4-H Center Board of Directors	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: I believe it is every citizen's responsibility to give back to the locality where the live within their abilities. I have become well versed in the work of the Planning Commission and believe I am an asset to the Commission, the county, and its citizens as a member of the Commission	

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ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)	X	Planning Commission (PC)
X	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
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	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
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Applicant's Signature <i>(Typing name below serves as digital signature)</i>		Date	
Edward Zimmer		5-2-2022	
Mailing Address (including City, State, & ZIP)		Physical Address (if different)	
8023 Venable Road, Kents Store, VA 23084			
Years Lived in Fluvanna	Phone #	Alternate Phone #	Email Address
14			
Office Use Only			
Application Received On:	5-2-2022	Application Received By:	
Acknowledgement Sent:	5-2-2022	Caitlin Solis	
Renewal Date:		Remarks:	
Renewal Date:		Confirmed with Mr. Zimmer receipt of application	
Renewal Date:			
Renewal Date:			



# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

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Name: <b>Gequetta "G." Murray-Key</b>	Election <input type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input checked="" type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience. You may also provide a resume/CV.): Please see attached resume	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Please see attached resume	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): Please see attached resume	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: I want to continue to serve all people in the community I live because I care about all of them in every way.	

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ON WHICH YOU WISH TO SERVE.**


X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)	X	Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
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	Economic Development Authority (EDA)		Library Board of Trustees		
	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)		Parks & Recreation Advisory Board (RAB)		

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Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>Gequetta G. Murray-Key</b>		Date <b>April 29, 2022</b>	
Mailing Address (including City, State, & ZIP) <b>17 Ashton Rd Palmyra, VA 22963</b>		Physical Address (if different)	
Years Lived in Fluvanna <b>21</b>	Phone # 	Alternate Phone #	Email Address

**Office Use Only**

Application Received On:	<b>April 29, 2022</b>	Application Received By:	<b>Caitlin Solis</b>
Acknowledgement Sent:	<b>April 29, 2022</b>		
Renewal Date:		Remarks:	
Renewal Date:			
Renewal Date:			
Renewal Date:			



**PROFILE**

- Dynamic and diverse experience in the following skills:  
-Policy Writing -Investigating -Interviewing -Public Service -Volunteering -Auditing -Public Speaking  
-Editing -Mentoring -Instructing -Research -Training -Counseling -Customer Service -Tutoring
- Dedicated professional with a personal commitment to public safety, service and education
- Proven: problem solving, organization, communication: written/oral and management skills

**CREDENTIALS**

- Certified as an Internal Affairs Investigator 1/17
- Department of Justice (DOJ) Certified Prison Rape Elimination Act (PREA) Auditor 6/14 thru present
- Certified Correctional Health Professional (CCHP) through the National Center for Correctional Health Professionals (NCCHC) 3/13 thru present
- Moral Reconciliation Therapy (MRT) Certified Trainer
- Crisis Intervention Team (CIT) Certified
- BS (Justice Studies), Fort Hays State University, Hays, KS (Summer 2010)
- DCJS Certified General Instructor, DCJS (2005 - present)
- AAS, Administration of Justice at PVCC, Charlottesville, VA (2002), Dean's list 3x
- Certificate, Police Science at PVCC, Charlottesville, VA (2002)
- Certificate in Computer Business Applications through the City of Charlottesville, PVCC, VA (2005)
- Steering Committee,
- Fluvanna Leadership Development Program 2011-2012 (focus- Education and the Criminal Justice segments)
- Fluvanna Leadership Development Program, Graduate class of 2011
- Certified, Grant Proposal Writer, Fort Hays State University, Hays, KS (Summer 2010)
- Certified VCIN/NCIC Instructor, VA State Police (2005)
- Spanish for Government Employees through the City of Charlottesville, PVCC, VA (2003)
- Intern, Charlottesville Police Department, Charlottesville, VA (2001-2002)
- Licensed Nail Technician, VA
- Licensed Hair Braider, VA
- Instructor, College of Charleston, SC Upward Bound Program

**EXPERIENCE (please note: some positions are/were maintained simultaneously)**

11/21 – present

*Elected/Member:* **Fluvanna County School Board**, Palmyra, VA

8/19 – present

*Adjunct Professor:* **Police Sciences/Justice Division Piedmont Virginia Community College (PVCC)**, Charlottesville, VA

*(8/20 – 1/21) Appointed to Acting Program Coordinator for the Police Science Division*

- Teaching the material in 1- 3 hour classroom sessions (Criminology, Survey of Criminal Justice)
- Developing and managing the class syllabus and ensuring that the syllabus meets department and college standards
- Coordinator criminal justice internships as requested
- Planning and creating lectures, in-class discussions, and assignments
- Grading assigned papers, quizzes, and exams
- Assess grades for students based on participation, performance in class, assignments, and examinations
- Report student learning outcomes, class reviews, and analyzing student data
- Collaborate with colleagues on course curriculum
- Advise students on how to be successful and achieve goals

5/17 – present

*Member:* **Charlottesville-Albemarle Human Trafficking/Sex Trafficking Taskforce**, Charlottesville, VA

- Collaborate with UVA, schools, police, victim witness, shelter, jails and prisons in order to provide the broadest range of services and resources for victims and the most diverse range of investigation and prosecution options in response to the perpetrators of this crime.

5/17 – present

Appointed: **Fluvanna County Planning Commission**, Palmyra, VA  
(1/21 – present) **Vice Chair**

5/17 – present

Appointed: **Thomas Jefferson Planning District Commission**, Charlottesville, VA  
(5/17 – present) **Planning and Strategies**

02/07 – present

**Albemarle-Charlottesville Regional Jail (ACRJ)**, Charlottesville, VA

*(05/17-present)* **Appointed to Chief of Operations: Oversee/hands-on agency operations as follows in addition to maintaining my original roles when hired in 2007**

- On call
- Responsible for the Implementing the Inmate Tablet System (inmate emails, video visits, education, phones, photos) as Project Manager/Administrator who also operates and monitors the system
- Property /Mail (Inmate property intake and release including funds)
- Inmate Records (Processing of all records related to inmates)
- Laundry (Issues required clothing and the laundering of them)
- Inmate Hearings (Internal inmate infractions)
- Video Court (Inmates being taking before the judge for hearings through video)
- Inmate Canteen (Items that inmates can order through the agency's selected vendor)
- Report to the Superintendent/Deputy Superintendent

*(2/07-present)* **Accreditation Manager/Compliance Officer; PREA - Coordinator, Instructor/System Administrator of Inmate Telephone System/General Instructor & VCIN/NCIC Instructor**

- VCIN/NCIC agency TAC/LASO – responsible for agency's use of the Virginia and FBI database
- Implemented 2 television channels inside the jail strictly dedicated to staff and inmate training with the assistance of Comcast Cable
- Will begin training inmates in broadcasting
- 1 of the only approx 700 Department of Justice (DOJ) Certified Prison Rape Elimination Act (PREA) Auditors in the United States
- Implement transmitters so that inmates could hear tv through their headphones, minimize noise in the housing areas
- Self-audits to ensure compliance with all standards
- Train staff, inmates, inters, volunteers and contractors on the compliance standards for PREA (Prison Rape Elimination Act) regarding sexual assaults in confinement facilities
- Sexual Assault Investigator confinement facilities
- SME (Subject Matter Expert – accreditation concerns) Internal Affairs Investigator looking into internal matters related to staff and inmates as directed by the Superintendent or Deputy Superintendent
- Responsible for the MOU between ACRJ and UVA SANE Nurse/Emergency Department to respond to sexual misconduct in confinement, also development of the Blue Ridge Juvenile Detention Center MOU for this purpose
- Responsible for the MOU between ACRJ and SARA (Sexual Assault Resource Agency) to respond to sexual misconduct in confinement
- Responsible for the MOU between ACRJ and ACPD (Albemarle County Police Department)
- Responsible for the MOU between ACRJ and OAR (Offender Aid and Restoration) to respond to sexual misconduct in confinement
- Responsible for the agency having Language Line (interpreter service for limited-English speaking inmates)
- Responsible for ensuring inmates have unimpeded access to their government's embassy and/or consulate
- Instrumental in the agency obtaining NCCHC Certification
- Co-Created Inmate Community Work Force Program under the direction of the facility Superintendent and Sheriff
- Revised the facility's Inmate Handbook to guide inmates and staff on the rules and regulations of the facility
- Liaison between the facility and other agencies in meeting facility compliance, reported directly to the Superintendent
- Analyze/Audit internal process to ensure department compliance with the VA Department of Corrections (DOC), the National Commission on Correctional Health Care (NCCHC), American Correctional Association (ACA), local, state and federal standards minimum standards to ensure facility compliance
- Prepare and submit correspondence and reports to DOC, NCCHC, Health Department, Fire Department and any other accrediting agency including preparation of self-evaluation reports and annual certification reports and other documents as necessary
- Developed a Prison Rape Elimination Act training program targeted towards ACRJ staff, visitors, volunteers and inmate population on the federal standards (program is being sought after by regional jails in the Virginia Association of Regional Jails – VARJ)
- DCJS certified instructor (suicide prevention, PREA)
- Coordinate the development, implementation, revision and review of Standard Operating Procedures
- Developed the facility's Grant and Research Internal Review Board (GRIRB)
- Compile and maintain all documentation needed for accreditation/certification

- Serve on Hiring/Retention Panel (as needed)
- Investigate other internal matters related to staff and inmates as directed
- Develop RFPs as necessary in conjunction with arbitrator and the agency's financial director for vendor contracts
- Write, review and revise internal policies and procedures while ensuring agency wide compliance with federal, state, local and departmental regulations including health, safety and security measures that impact the facility as well as the community
- Initiated request for kiosk, now in place for inmate's family to use in order to place money on inmate accounts
- Project Manager/Administrator, operate and monitor the agency's Inmate Telephone System (ITS)
- Testify in court in various cases including misdemeanors and felonies (local, state and federal)
- Initiate internal investigations at the direction of the Superintendent/designee
- Review, prepare and supervise the implementation of work plans for accomplishing tasks required to achieve and maintain accreditation
- Co-Coordinated RFP for inmate telephone contracts
- Co-Coordinated RFP for inmate video conferencing/tablets
- Co-Coordinated RFP for inmate canteen
- Coordinated training program for new Inmate Community Work Force Program
- Create Memorandums of Understanding (MOUs) and Superintendent's orders as needed

10/15 – present

*Radio Personality:* **WVAI Radio Station (101.3 JAMZ FM)**, Charlottesville, VA

- Host the *Love Talk Slow Jamz*
- Produced news and community segments
- Relationships, dating and health tips
- Fill in for other on-air personalities as needed
- Broadcast live from locations as requested
- Trained other upcoming personalities in broadcasting
- Serve as host/mistress of ceremonies

04/14 – 9/15 (station was bought out by another company)

*Radio Personality:* **WUVA Radio Station (92.7 KISS FM)**, Charlottesville, VA

- Host Sunday Morning Gospel Show *Gospel Inspirations*
- Host the *Quiet Storm*
- Produced news and community segments
- Relationships, dating and health tips
- Fill in for other disc jocks as needed
- Broadcast live from locations as requested
- Trained other upcoming UVA students in broadcasting
- Serve as host/mistress of ceremonies

05/02 – 02/07

*Instructor:* VCIN/General & Records Specialist: **Charlottesville Police Department**, Information Management Services Division, Charlottesville, VA

- Audited, wrote and updated internal policies and procedures to ensure department wide compliance with federal, state, local and departmental policies
- Appointed to RCIN team member representing CPD
- Member, FatPot focus group for laptop and VCIN/NCIC implementation in CPD Patrol vehicles
- VCIN/NCIC certified level A (enter/clear warrants, stolen vehicles, missing persons, criminal/driving histories)
- Audited Pistol/VCIN/NCIC for accuracy
- Trained new/current staff in Pistol and VCIN/NCIC, to ensure compliance
- Assisted courts, officers, other law enforcement agencies and the general public on arrests and cases maintaining confidentiality & w/o jeopardizing on-going investigations
- Customer Service (telephone, person to person, officers/public)
- Non-emergency radio traffic and record keeping,
- Maintained the FBI files
- Occasionally assisted the Chief of Police during the absence of his secretary
- Member of an advisory team to the Chief of Police to establish and maintain a philosophy of community oriented policing
- Revised the Pistol manual for department wide which had not been done since 1997
- FTO for new Information Management Services employees, created the manual for that training
- Created shortcut reference guides to efficiently expedite production of workload
- Designed/updated specific documents/forms for departmental use
- Initiated petition for the need of officers to learn Spanish which ultimately led to Spanish classes being offered by the City of Charlottesville for it's government employees to better serve the Spanish-speaking community

- Initiated for headsets, new layout for the visitor/secured areas as well as the police department's phone directory (now implemented)

01/00 – 05/02

*Editorial Staff (Editor/Keyer):* **Standard & Poors and Money Market Directories** (A Division of McGraw-Hill Companies) Charlottesville, VA

- Researched, data entry, edited/proofed via phone/internet for directory publication of directories such as Registered Investment Advisors, Money Market Directories and Tax-Exempt Organizations
- Skilled clerical office duties (faxing, filing, telephone, filling in for the secretary)
- Member: Design/Research team to implement a new database for future directories for publication

7/98 – 12/99 approx.

*Substitute Teacher:* **Charleston County Public Schools** Charleston, SC

Provided continuous education for all students in place of their usual instructor

- General Substitute Instructor
- Long term Honors English Instructor
- Long term Band Instructor
- Long term instructor for special needs children who were physical, mental, emotional and behavioral problems

1/96 – 12/99

*Announcer, Traffic Director:* **WPAL Radio Station (100.7 FM and 73.0 AM)**, Charleston, SC

- Host Sunday Morning Gospel Show
- Quiet storm
- Ensured that simulcasts were done appropriately and that national syndicated shows aired appropriately
- Produced news and community segments
- Co-hosted a talk show about relationships
- Hosted a dating show
- Produced morning shows for both the am/pm stations
- As traffic director: unlimited duties to include data entry using the RDS Traffic Master III to log commercials and performed other office related duties related
- Filled in for other disc jocks as needed
- Broadcast live from locations (clubs, car dealerships and other events)
- Trained other upcoming disc jocks

1997 – 1999 approx.

*Master Control Operator:* **CBS/FOX Television Studios**, Charleston, SC

- Ensured that the correct movie or television show appeared at the right time as well as
- ensure continuous operation with no dead air
- Ensure that commercials were played at the right time
- Performed some for review for editing purposes
- responsible for monitoring the quality and accuracy of the on-air product, ensuring the transmission meets government regulations
- troubleshoot equipment malfunctions
- prepared programming for airplay
- ensured regulations to include both technical ones (such as those against over-modulation and dead air)

## HONORS & EXTRA CURRICULAR ACTIVITIES

- President, ACRJ Wellness Committee, 2014 – present
- Choir Director
- Lead Singer/Assistant Band Manager, local Jazz/Blues band, 2013 – present
- Trustee, Fluvanna Education Foundation, 2014 – present
- President/Secretary of the Keys for Success Foundation, 2010 – present
- Trustee, Fluvanna Education Foundation 2014 – present
- Chair, Principal Advisory Committee 2013 - 2016
- Fluvanna County Community Activist 2000 – present
- Fluvanna County High School, Tutor & Mentor 2012 - present
- Fluvanna County Public Schools SOQ Committee Member 2010 – present
- Fluvanna County Public Schools Calendar Committee Member 2010 – 2011, 2011 – 2012
- Fluvanna County Public Schools Diversity Committee 2006 – 2007
- PTO President, Fluvanna Middle School, 2010-2011 and 2011 – 2012
- PTO Vice President, Fluvanna Middle School, 2009 – 2010
- Annual Back to School Back Pack, Supply and Clothing Drive for Fluvanna County Public Schools (August 2010 - present) a family project to support education
- Volunteer Facilitator: Female Inmates Anger Management Class, Albemarle-Charlottesville County Regional Jail, VA 10/01
- Volunteer/Mentor, Albemarle-Charlottesville County Regional Jail, VA 12/00
- Student Commencement Speaker, PVCC on 05/10/02
- Member: Phi Theta Kappa International Honors Society, PVCC since 2/02



- Dean's List, Piedmont Community College, 2001 – 2002
- Member: Student Advisory Board to the President, PVCC 9/01 – 5/02
- Representative, for Piedmont Virginia Community College for annual community colleges summit in Richmond, VA 2001 – 2002

***Further Details Will Be Provided Upon Request***





# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Applicants are considered as vacancies occur and your application will be kept on file for three years.

Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services. Before completing the application, please review the membership requirements for the Board, Commission, or Committee for which you are interested. Applicants who do not meet membership requirements will not be put forward for consideration.

Name: <b>Geri Russell</b>	Election <input type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input checked="" type="checkbox"/> Fork Union District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provide dates of education and experience. You may also provide a resume/CV.): I have a Bachelors of Science in Accounting. I've been on many committees over the years at the Charlottesville Association of Realtors. I'm very knowledgeable about Fluvanna County and have gone through the Leadership program when I first moved into the County.	
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: Prior President of the Board for the Fluvanna SPCA. I'm currently the Treasurer on this board.	
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): Treasurer of the Board for the Fluvanna County SPCA Recent recipient of the Good Neighbor Award for the Charlottesville Association of Realtors.	
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: I am proud to live in Fluvanna and want to help in its future.	

**Fluvanna County Board, Committee, and Commission Attendance Policy**

(Approved June 17, 2015)

1. BCC members shall attend at least two-thirds of all scheduled meetings in each calendar year while serving.
2. The Chairperson of the board, commission, or committee shall notify the Clerk to the Board of Supervisors of any absences exceeding this policy.
3. The Clerk shall report these findings to the Board of Supervisors, typically in closed session.
4. Appointees who do not meet the attendance requirement without a valid reason(s) may be deemed to have rendered an implied resignation of that appointment.
5. The Board may choose to accept the resignation and appoint another person to fill the appointed position. The Board may also override the implied resignation and extend the appointment, if extenuating circumstances so dictate.
6. This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

**PLEASE INDICATE BELOW THE BOARDS, COMMISSIONS, OR COMMITTEES (BCC)  
ON WHICH YOU WISH TO SERVE.**

X	BCC	X	BCC	X	BCC
	Agricultural/Forestral District Advisory Committee		Finance Board		Piedmont Virginia Community College (PVCC) Board
	Board of Equalization (BOE)		Fluvanna Partnership for Aging Committee (FPA)	X	Planning Commission (PC)
	Board of Zoning Appeals (BZA)		Fork Union Sanitary District (FUSD) Advisory Committee		Region Ten Community Services Board
	Building Code of Appeals Board		James River Water Authority (JRWA)		Rivanna River Basin Commission
	Central Virginia Regional Jail (CVRJ) Authority		JAUNT Board		Social Services Board
	Columbia Task Force (CARE)		Jefferson Area Board of Aging (JABA) Advisory Council		Thomas Jefferson Planning District Commission (TJPDC)
	Community Policy & Management Team (CPMT)		Jefferson Area Board of Aging (JABA) Board of Directors		Thomas Jefferson Water Resources Protection Foundation
	Economic Development Authority (EDA)		Library Board of Trustees		
	Economic Develop. & Tourism Advisory Council (EDTAC)		Monticello Area Community Action Agency (MACAA)		
	Family Assessment and Planning Team (FAPT)		Parks & Recreation Advisory Board (RAB)		

**Submit by email ([clerk@fluvannacounty.org](mailto:clerk@fluvannacounty.org)) or mail to:**

**County of Fluvanna, Attention: Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963**

By signing below you are indicating that you have read and understand the Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.

In accordance with Virginia Code §2.2-3705.1, by submitting this application, it is presumed that you are providing your personal contact information to be used for communicating with the County, and unless otherwise indicated by you, your personal contact information will not be shared publicly.

Applicant's Signature <i>(Typing name below serves as digital signature)</i>		Date	
Gerri Russell		5-7-2022	
Mailing Address (including City, State, & ZIP)		Physical Address (if different)	
864 Rivanna Woods Drive, Fork Union, VA 23055			
Years Lived in Fluvanna	Phone #	Alternate Phone #	Email Address
6	[REDACTED]		[REDACTED]

**Office Use Only**

Application Received On:	5-7-2022	Application Received By: Caitlin Solis
Acknowledgement Sent:	5-9-2022	
Renewal Date:		Remarks:
Renewal Date:		
Renewal Date:		
Renewal Date:		





# APPLICATION TO SERVE ON BOARDS/COMMISSION/COMMITTEES

## County of Fluvanna

Name: <b>Peter H. von Keyserling</b>		Election <input checked="" type="checkbox"/> Columbia <input type="checkbox"/> Cunningham <input type="checkbox"/> Fork Union	
		District: <input type="checkbox"/> Palmyra <input type="checkbox"/> Rivanna <input type="checkbox"/> Other	
Mailing Address (including City, State, & ZIP) 1479 Kents Store Way Kents Store, VA 23084		Physical Address (if different)	
Years Lived in Fluvanna 28	Cell Phone – preferred?	Home Phone – preferred? [REDACTED]	Email [REDACTED]
EXPERIENCE/PROFESSIONAL EXPERTISE/EDUCATION (Please provides dates of education and experience.): BS Industrial Eng 1965 Va Tech Masters and Doctorate, Ashland Univ. Ashland, OH 1985 CEO Merit Management 1986-1994 CEO Jacob Engle Foundation 1984-1986			
CURRENT OR PRIOR SERVICE ON BOARDS/COMMISSIONS/OR COMMITTEES: County comprehensive plan development BZA			
CIVIC ACTIVITIES AND MEMBERSHIPS (Roles with fraternal, business, church, or social groups – please provide dates): Crossroads Community Church - treasurer 2016-2019 Habitat for humanity Bd of Thommason Foundation			
REASON(S) FOR WANTING TO SERVE FLUVANNA COUNTY: To help maintain and preserve the county per the Comprehensive Plan, and treat property owners fairly.			
<b>Applicants are considered as vacancies occur and your application will be kept on file for three years.</b> Fluvanna County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services. <b>Submit by email (<a href="mailto:clerk@fluvannacounty.org">clerk@fluvannacounty.org</a>) or mail to:</b> <b>Clerk, Board of Supervisors, PO Box 540, Palmyra, VA 22963</b> By signing below you are indicating that you have read and understand the attached Fluvanna County BCC Attendance Policy and that you agree to abide by the Bylaws of any Board, Commission, or Committee to which you may be appointed.			
Applicant's Signature <i>(Typing name below serves as digital signature)</i> <b>Peter von Keyserling</b>		Date <b>1/3/2019 10:15</b>	

**PLEASE INDICATE BELOW ANY BOARDS, COMMISSIONS, OR COMMITTEES ON WHICH YOU WISH TO SERVE.**

X	Board, Commission, Committee
	Agricultural/Forestral District Advisory Committee
	Audit Committee
	Board of Equalization (BOE)
X	Board of Zoning Appeals (BZA)
	Building Code of Appeals Board
	Central Virginia Regional Jail (CVRJ) Authority
	Columbia Task Force (CARE)
	Community Policy & Management Team (CPMT)
	Economic Development Authority (EDA)
	Economic Develop. & Tourism Advisory Council (EDTAC)
	Family Assessment and Planning Team (FAPT)
	Finance Board
	Fluvanna Partnership for Aging Committee
	Fork Union Sanitary District (FUSD) Advisory Committee
	James River Water Authority (JRWA)
	JAUNT Board

X	Board, Commission, Committee (cont.)
	Jefferson Area Board of Aging (JABA) Advisory Council
	Jefferson Area Board of Aging (JABA) Board of Directors
	Library Board of Trustees
	Monticello Area Community Action Agency (MACAA)
	Palmyra Area Revitalization Committee (PARC)
	Parks & Recreation Advisory Board
	Piedmont Virginia Community College (PVCC) Board
X	Planning Commission
	Region Ten Community Services Board
	Rivanna River Basin Commission
	Social Services Board
	Thomas Jefferson Planning District Commission (TJPDC)
	Thomas Jefferson Water Resources Protection Foundation
	Youth Advisory Council (YAC)
	OTHER:

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(Approved June 17, 2015)

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2. The Chairperson of the board, commission, or committee shall notify the Clerk to the Board of Supervisors of any absences exceeding this policy.
3. The Clerk shall report these findings to the Board of Supervisors, typically in closed session.
4. Appointees who do not meet the attendance requirement without a valid reason(s) may be deemed to have rendered an implied resignation of that appointment.
5. The Board may choose to accept the resignation and appoint another person to fill the appointed position. The Board may also override the implied resignation and extend the appointment, if extenuating circumstances so dictate.
6. This requirement shall apply to all boards, commissions, or committees listed on the attached application form, provided however, that if State or County Ordinance addresses attendance requirements in an alternative manner, such law shall prevail.

Office Use Only		
Application Received On:	01/03/2019	Application Received By: Kelly Belanger Harris
Acknowledgement Sent:	01/03/2019	
Renewal Date:		Remarks: updating
Renewal Date:		
Renewal Date:		
Renewal Date:		

**FLUVANNA COUNTY BOARD OF SUPERVISORS  
AGENDA ITEM STAFF REPORT**

**TAB F**

<b>MEETING DATE:</b>	May 18, 2022				
<b>AGENDA TITLE:</b>	Adoption of the Fluvanna County Board of Supervisors May 4, 2022 Meeting Minutes.				
<b>MOTION(s):</b>	<b>I move the meeting minutes of the Fluvanna County Board of Supervisors Regular Meeting on Wednesday, May 4, 2022, be adopted.</b>				
<b>STRATEGIC INITIATIVE?</b>	Yes	No	<b>If yes, list initiative(s):</b>		
		X			
<b>AGENDA CATEGORY:</b>	Public Hearing	Action Matter	Presentation	Consent Agenda	Other
				<b>XX</b>	
<b>STAFF CONTACT(S):</b>	Caitlin Solis, Clerk to the Board				
<b>PRESENTER(S):</b>	Eric Dahl, County Administrator				
<b>RECOMMENDATION:</b>	Approve				
<b>TIMING:</b>	Routine				
<b>DISCUSSION:</b>	None.				
<b>FISCAL IMPACT:</b>	N/A				
<b>POLICY IMPACT:</b>	N/A				
<b>LEGISLATIVE HISTORY:</b>	N/A				
<b>ENCLOSURES:</b>	Draft Minutes for May 4, 2022.				
<b>REVIEWS COMPLETED:</b>	Legal	Finance	Purchasing	HR	Other
					<b>X</b>





**FLUVANNA COUNTY BOARD OF SUPERVISORS**  
**REGULAR MEETING MINUTES**  
**Carysbrook Performing Arts Center**  
**8880 James Madison Hwy, Fork Union, VA 23055**  
**May 4, 2022**  
**Regular Meeting 5:00pm**

**MEMBERS PRESENT:** John M. (Mike) Sheridan, Columbia District, Chair  
*(entered the meeting at 5:11pm)*  
 Mozell Booker, Fork Union District  
 Patricia Eager, Palmyra District  
 Chris Fairchild, Cunningham District

**ABSENT:** Tony O'Brien, Rivanna District, Vice Chair

**ALSO PRESENT:** Eric M. Dahl, County Administrator  
 Kelly Belanger Harris, Assistant County Administrator  
 Fred Payne, County Attorney  
 Caitlin Solis, Clerk for the Board of Supervisors

**1 - CALL TO ORDER, PLEDGE OF ALLEGIANCE, & MOMENT OF SILENCE**

At 5:00pm, Supervisor Booker called to order the Regular Meeting of May 4, 2022. After the recitation of the Pledge of Allegiance, a moment of silence was observed.

**3 - ADOPTION OF AGENDA**

<b>MOTION:</b>	Accept the Agenda, for the May 4, 2022 Regular Meeting of the Board of Supervisors, as presented.				
<b>MEMBER:</b>	Mrs. Booker	Mrs. Eager	Mr. Fairchild	Mr. O'Brien	Mr. Sheridan
<b>ACTION:</b>		Motion	Second		
<b>VOTE:</b>	Yes	Yes	Yes	Absent	Absent
<b>RESULT:</b>	<b>3-0</b>				

**4 - COUNTY ADMINISTRATOR'S REPORT**

Mr. Dahl reported on the following topics:

- Happy belated birthday to Mr. O'Brien

Announcements and Updates - New Employees

- Donna Allen, Purchasing Officer, Finance department, Started April 25<sup>th</sup>

Staff and Community Recognitions

- We want to congratulate Lt Hurd on receiving an Unsung Hero Award from the Attorney General during Victim's Rights Week.
- Hurd received this award for his dedication in protecting children and investigating child abuse and child sexual exploitation cases.
- Great job LT Hurd, you are an asset to this county!

Carnival at Pleasant Grove Park

- Free entry and free parking
- Rides are \$1 per ticket or \$15 for an armband
  - Wed, May 11th 6-10pm
  - Thu May 12th 6-10pm
  - Fri, May 13th 5-10pm
  - Sat, May 14th 10am-3pm and 5-10pm
  - Contact Dylan Morris with questions (434)589-2016 or dmorris@fluvannacounty.org

Earth Day: Tire Collection Only

- Event was held on April 23, 2022 from 10am - 12pm.
  - Patrons were lined up before staff arrived at 8:15am.
    - First person in line was there at 7:30am.
- Two 51' trailers were brought in for the event.
  - Each trailer was \$1,800 and could be filled as much as possible.
  - Tires collected were +/- 1,100 (estimated 12 tires high x 3 rows wide x 30 rows long).
- Thanks to the following staff for working the event!
  - P&R - Lenwood Henderson, Dylan Morris, Eric Armentrout, Faith Stuart, Malinda Payne, and Aaron Spitzer.
  - PW - Jacob Lawrence, Shannon Race, James Sisson, and Anthony Tanner.
  - COAD - Eric Dahl.

Board of Supervisors Minutes

May is National Foster Care Month

- Currently, there are 17 Fluvanna County children in foster care.
- There are 10 foster families approved through Fluvanna Social Services.
- A huge thank you to those families who selflessly give of themselves to make a difference in a child's life.
- Anyone who would like more information about foster care can call Fluvanna Social Services at 434-842-8221.

May is National Adult Abuse Prevention Month

- ADULT PROTECTIVE SERVICES is a program of the Adult Protective Services Division at the Department for Aging and Rehabilitative Services
- In state fiscal year 2021 there were 39,185 reports of adult abuse, neglect, and/or exploitation received by local departments of social services. 50% of APS reports were substantiated.
  - Types of abuse included self-neglect, neglect, financial exploitation, mental abuse, other exploitation, and sexual abuse.
- Report suspected abuse, neglect, or exploitation of adults to Adult Protective Services at your local department of social services or to the 24-hour, toll-free hotline at: (888) 832-3858 (888-83ADULT)

Hurricane Preparedness Week is May 1-7, 2022

- Be ready for hurricane season
  - Today you can determine your personal hurricane risk, find out if you live in a hurricane evacuation zone, and review/update insurance policies.
  - Now is the time to replenish hurricane emergency supplies and start thinking about how you will prepare your home for the coming hurricane season.
  - If you live in hurricane-prone areas, you are encouraged to complete these simple preparations before hurricane season begins on June 1.
  - Learn more at <https://www.noaa.gov/hurricane-prep>

Next BOS Meetings:

*Mr. Dahl mentioned adding a 5:00pm work session on the May 18, 2022 meeting.*

Day	Date	Time	Purpose	Location
Wed	May 18	7:00 PM	Regular Meeting	Performing Arts Center
Wed	Jun 1	5:00 PM	Regular Meeting	Performing Arts Center
Wed	Jun 15	7:00 PM	Regular Meeting	Performing Arts Center

**5 - PUBLIC COMMENTS #1**

At 5:09pm, Supervisor Booker opened the first round of Public Comments.

- Perrie Johnson, 229 Pine Ln, thanked the Board of Supervisors for fully funding the Fluvanna County School budget.

With no one else wishing to speak, Supervisor Booker closed the first round of Public Comments at 5:10pm.

**6 - PUBLIC HEARING**

None.

- *Mr. Sheridan entered the meeting at 5:11pm and the gavel was passed back to him.*

**7 - ACTION MATTERS**

*Human Resources Department Position Reclassification – Eric Dahl, County Administrator*

- The position reclassification for the Human Resources Department is being recommended to reflect the current essential functions for the Director of Human Resources position, as compared with the Human Resources Manager position.
- The duties and responsibilities to reclassify this to a director is comparable to other director positions within our organization and also as compared to similar competing local government organizations within our surrounding job market.
- The reclassified Position Description for the Director of Human Resources has been updated to reflect actual duty requirements for the existing position.
- The proposed change for FY22 will require additional funding of \$2,114 to cover salary and benefits, with such funding to come from the FY22 personnel contingency budget.
- For FY23, the proposed change will require additional funding of \$13,738 to cover salary and benefits, with such funding to come from a combination of the FY23 personnel contingency budget and funding for the implementation for the Compensation Study once it is completed.

<b>MOTION:</b>	Approve the reclassification of the position description for the Human Resources Manager, Pay Band 21 to the Director of Human Resources, Pay Band 24, with funding in the amount of \$2,114 for FY22 to come from the personnel contingency.				
<b>MEMBER:</b>	Mrs. Booker	Mrs. Eager	Mr. Fairchild	Mr. O'Brien	Mr. Sheridan
<b>ACTION:</b>		Second	Motion		
<b>VOTE:</b>	Yes	Yes	Yes	Absent	Yes
<b>RESULT:</b>	<b>4-0</b>				

**7A – BOARDS AND COMMISSIONS**

- *Due to administrative oversight, a Library Board of Trustees application was inadvertently left out of the package. Library Board applications will be brought back at the next meeting so all can be reviewed.*

<b>MOTION:</b>	Move the Board of Supervisors approve the following Board, Commission, or Committee appointment(s)/reappointments(s):				
<b>BOARD/COMMISSION/COMMITTEE</b>	<b>APPOINTEES</b>		<b>APPT/ REAPPT</b>	<b>BEGINS TERM</b>	<b>ENDS TERM</b>
JAUNT Board	<u>Leslie Woodfolk Haskins</u>		Appt	7/1/2022	6/30/2025
Monticello Area Community Action Agency (MACCA) – Fluvanna Representative	<u>Ryant Washington</u>		Appt	5/4/2022	10/31/2023
Parks and Recreation Advisory Board - Youth Representative	<u>Madeline Fulk</u>		Reappt	10/1/2021	9/30/2024
<b>MEMBER:</b>	Mrs. Booker	Mrs. Eager	Mr. Fairchild	Mr. O'Brien	Mr. Sheridan
<b>ACTION:</b>	Motion		Second		
<b>VOTE:</b>	Yes	Yes	Yes	Absent	Yes
<b>RESULT:</b>	<b>4-0</b>				

**8 - PRESENTATIONS**

*AARP Charter for a Livable Community* – Marta Keane, Executive Director, JABA

Marta Keane, Executive Director of JABA, spoke on behalf of Charlottesville Area Alliance (CAA) to petition the Board of Supervisors to apply to become a member of the AARP Network of Age-Friendly Communities

- *After some discussion, the Board asked staff to bring the charter back as an agenda item in August.*

*Aqua Virginia Update* – John J. Aulbach II, P.E., President, Aqua Virginia, Inc.

John J. Albach II, President of Aqua Virginia, Inc., Josh Harris, Environmental Compliance Manager at Aqua Virginia, Inc., and Terry Blankenship, PE Engineer at Aqua Virginia, Inc., gave an in depth presentation to the Board of Supervisors on the Lake Monticello Water and Wastewater systems, and environmental and regulatory responsibilities.

**9 - CONSENT AGENDA**

The following items were discussed before approval:

*E - Minutes of April 20, 2022* – Caitlin Solis, Clerk to the Board

The following items were approved under the Consent Agenda for May 4, 2022:

- *Minutes of April 20, 2022* – Caitlin Solis, Clerk to the Board
- *FY23 CSA Provider Agreement* – Bryan Moeller, CSA Coordinator
- *Procurement Policy Update* – Eric Dahl, County Administrator
- *CRMF - Grinding of Additional Storm Damage Brush* – Dale Critzer, Assistant Director of Public Works
- *Position Description for Human Resources Generalist* – Donna Snow, Human Resources Manager

<b>MOTION:</b>	Approve the consent agenda, for the May 4, 2022 Board of Supervisors meeting.				
<b>MEMBER:</b>	Mrs. Booker	Mrs. Eager	Mr. Fairchild	Mr. O'Brien	Mr. Sheridan
<b>ACTION:</b>	Motion	Second			
<b>VOTE:</b>	Yes	Yes	Yes	Absent	Yes
<b>RESULT:</b>	<b>4-0</b>				

**10 - UNFINISHED BUSINESS**

None.

**11 - NEW BUSINESS**

None

**12 - PUBLIC COMMENTS #2**

At 7:12pm, Chair Sheridan opened the second round of Public Comments. With no one wishing to speak, Chair Sheridan closed the second round of Public Comments at 7:12pm.

**13 - CLOSED MEETING**

<b>MOTION:</b>	At 7:13pm, move the Fluvanna County Board of Supervisors enter into a closed meeting, pursuant to the provisions of Section 2.2-3711 A.1 & A.7 of the Code of Virginia, 1950, as amended, for the purpose of discussing Personnel – Employee resignation and Litigation – Actual litigation in connection with the Zion Crossroads Water and Sewer Project.				
<b>MEMBER:</b>	Mrs. Booker	Mrs. Eager	Mr. Fairchild	Mr. O'Brien	Mr. Sheridan
<b>ACTION:</b>	Second		Motion		
<b>VOTE:</b>	Yes	Yes	Yes	Absent	Yes
<b>RESULT:</b>	<b>4-0</b>				

<b>MOTION:</b>	At 7:57pm, move Closed Meeting be adjourned and the Fluvanna County Board of Supervisors convene again in open session and "BE IT RESOLVED, the Board of Supervisors does hereby certify to the best of each member's knowledge (i) only public business matters lawfully exempted from open meeting requirements under Section 2.2-3711-A of the Code of Virginia, 1950, as amended, and (ii) only such public business matters as were identified in the motion by which the closed meeting was convened were heard, discussed, or considered in the meeting."				
<b>MEMBER:</b>	Mrs. Booker	Mrs. Eager	Mr. Fairchild	Mr. O'Brien	Mr. Sheridan
<b>ACTION:</b>	Second		Motion		
<b>VOTE:</b>	Yes	Yes	Yes	Absent	Yes
<b>RESULT:</b>	<b>4-0</b>				

**14 - ADJOURN**

<b>MOTION:</b>	Adjourn the regular meeting of Wednesday, May 4, 2022 at 7:58pm.				
<b>MEMBER:</b>	Mrs. Booker	Mrs. Eager	Mr. Fairchild	Mr. O'Brien	Mr. Sheridan
<b>ACTION:</b>	Motion		Second		
<b>VOTE:</b>	Yes	Yes	Yes	Absent	Yes
<b>RESULT:</b>	<b>4-0</b>				

ATTEST:

FLUVANNA COUNTY BOARD OF SUPERVISORS

---

 Caitlin Solis  
Clerk to the Board

---

 John M. Sheridan  
Chair



**FLUVANNA COUNTY BOARD OF SUPERVISORS  
AGENDA ITEM STAFF REPORT**

**TAB G**

<b>MEETING DATE:</b>	May 18, 2022				
<b>AGENDA TITLE:</b>	Union Mills Agricultural/Forestal District Review and Renewal				
<b>MOTION(s):</b>	I move to renew the Union Mills Agricultural/Forestal District, which consists of 14 parcels totaling 324.752 acres, for an additional 10 year period, expiring on May 15, 2032.				
<b>STRATEGIC INITIATIVE?</b>	Yes	No	<b>If yes, list initiative(s):</b>		
		X			
<b>AGENDA CATEGORY:</b>	Public Hearing	Action Matter	Presentation	Consent Agenda	Other
				X	
<b>STAFF CONTACT(S):</b>	Jason Overstreet, Senior Planner				
<b>PRESENTER(S):</b>	Jason Overstreet, Senior Planner				
<b>RECOMMENDATION:</b>	Approval				
<b>TIMING:</b>	Immediate decision requested				
<b>DISCUSSION:</b>	Request to renew the Union Mills Agricultural/Forestal District for an additional ten (10) year period. Section 15.2-4311 of the Code of Virginia states if the local governing body determines that a review is necessary, it shall ask for the recommendations of the local advisory committee and the planning commission in order to determine whether to terminate, modify or continue the district. If the local governing body determines that a review is unnecessary, it shall set the year in which the next review shall occur.				
<b>FISCAL IMPACT:</b>	N/A				
<b>POLICY IMPACT:</b>	This action will renew the AFD for an additional 10 year period to expire on May 15, 2022.				
<b>LEGISLATIVE HISTORY:</b>	The Board of Supervisors approved the creation of the Union Mills Agricultural/Forestal District on May 15, 2002.				
	The Board of Supervisors approved the renewal of the Union Mills Agricultural/Forestal District on May 2, 2012.				
	The district will expire on May 15, 2022 and is currently up for renewal for an additional ten (10) year period.				
<b>ENCLOSURES:</b>	Memo with resolution				
<b>REVIEWS COMPLETED:</b>	Legal	Finance	Purchasing	HR	Other
					X





# COUNTY OF FLUVANNA

*"Responsive & Responsible Government"*

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Palmyra, VA 22963  
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Fax (434) 591-1911  
www.fluvannacounty.org

## Memo

To: Fluvanna County Board of Supervisors  
From: Jason Overstreet, Senior Planner  
Date: May 9, 2022  
**Re: Union Mills Agricultural/Forestal District Review and Renewal**

In accordance with Section 15.2-4311 of the Code of Virginia, the Planning Department contacted the current property owners of parcels identified in the above referenced agricultural and forestal district and advised them that the approved district would expire on May 15, 2022. This letter also advised the property owners that if the Planning Department did not receive a response, it would be determined that the property owner desired their property to remain in the existing district.

There are fourteen (14) parcels that comprise the Union Mills Agricultural/Forestal District. A response was received from all parcel owners, all requesting that the parcels remain in the Union Mills Agricultural/Forestal District. Therefore, it is the recommendation of the Planning Department that the Board of Supervisors renew the Union Mills Agricultural/Forestal District for an additional ten (10) year period.

The Union Mills District will consist of the following property owners and tax parcels after renewal:

OWNER'S NAME	TAX MAP PARCEL #	ACREAGE	RECEIVED FORM
Puryear, Jeffrey F & Maribeth A	9 (A) 16A	2.098	X
Ransone, John E, Jr.	9 (A) 16C	29.750	X
Banton, Randolph P & Patricia H	9 (A) 16D	0.330	X
Banton, Randolph P & Patricia H	9 (A) 16E	4.490	X
Kruger, Carl M & Kelly D	9 (A) 24A	90.230	X
Banton, Patricia H & Randolph P	9 (A) 25A	1.080	X
Banton, Randolph P & Patricia H	9 (A) 25B	8.260	X
Ransone, John E, Jr.	9 (A) 26	168.217	X

Ransone, John E, Jr.	9 (A) 26A	2.000	X
Ransone, John Everette, Jr.	9 (A) 26B	2.894	X
Banton, Randolph P & Patricia H	9 (8) 1	2.117	X
Puryear, Jeffrey F , ET AL	9 (8) 2	6.734	X
Kruger, Carl M & Kelly D	10 (A) 8	0.162	X
Kruger, Carl M & Kelly D	10 (A) 11	6.39	X
<b>TOTAL</b>		<b>324.72</b>	

The 2015 Comprehensive Plan designates this area of Fluvanna County as within the Rural Preservation Planning Area.

Please be advised that Section 15.2-4311 of the Code of Virginia states in part that “*the local governing body may complete a review of any district created under this section. If the local governing body determines that a review is necessary, it shall ask for the recommendations of the local advisory committee and the planning commission in order to determine whether to terminate, modify or continue the district.*” It further states “*if the local governing body determines that a review is unnecessary, it shall set the year in which the next review shall occur.*” This is interpreted to mean that the Board of Supervisors has the authority to discuss the disposition and renew the qualifying districts without the recommendation of the advisory committee and the planning commission; however, if the Board feels that a review is necessary, the normal process, inclusive of a public hearing, shall be required.

If you have any questions or comments regarding this information, please contact me at (434) 591-1910 x 1061, or at [joverstreet@fluvannacounty.org](mailto:joverstreet@fluvannacounty.org).

Attachments:

- A. Resolution renewing AFD for an additional ten (10) year period
- B. Map of Union Mills AFD





**BOARD OF SUPERVISORS**

County of Fluvanna  
Palmyra, Virginia

**RESOLUTION No. 10-2022**

**A RESOLUTION TO AUTHORIZE RENEWAL OF THE UNION MILLS  
AGRICULTURAL/FORESTAL DISTRICT FOR AN ADDITIONAL TEN-YEAR  
PERIOD TO EXPIRE MAY 15, 2032**

At a regular meeting of the Board of Supervisors of the County of Fluvanna held at the Carysbrook Performing Arts Center at 5:00 p.m. on the 18th day of May 2022, at which the following members were present, the following resolution was adopted by a majority of all members of the Board of Supervisors, the vote being recorded in the minutes of the meeting as shown below:

**WHEREAS**, the Fluvanna County Board of Supervisors approved the creation of the Union Mills Agricultural/Forestal District on May 15, 2002 for a ten-year period; and

**WHEREAS**, the Fluvanna County Board of Supervisors approved the renewal of the Union Mills Agricultural/Forestal District on May 2, 2012; and

**WHEREAS**, the district will expire on May 15, 2022; and

**WHEREAS**, in accordance with Section 15.2-4311 of the Code of Virginia, the Fluvanna County Planning & Community Development Department contacted the current property owners of parcels identified in the Union Mills Agricultural/Forestal District and advised them that the approved district would expire on May 15, 2022 and inquired whether the owners desired that the property remain in or be removed from the district.

**NOW, THEREFORE BE IT RESOLVED** on this 18th day of May 2022 that the Fluvanna County Board of Supervisors hereby renews the Union Mills Agricultural/Forestal District for an additional ten-year period to expire on May 15, 2032.

**THE FOREGOING RESOLUTION WAS DULY AND REGULARLY ADOPTED** by the Fluvanna County Board of Supervisors at the regular meeting of the Board held on the 18<sup>th</sup> day of May, 2022;

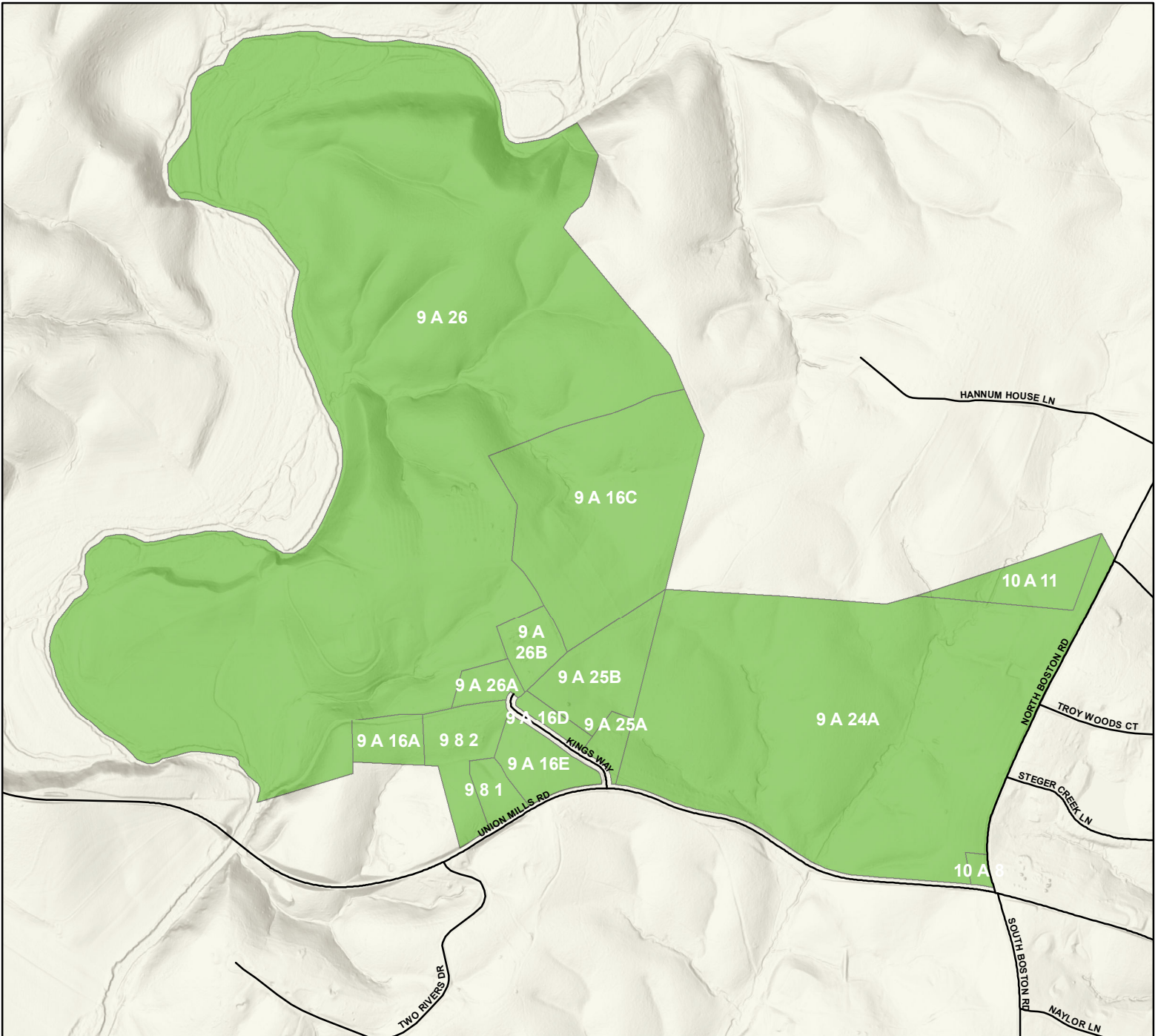
	AYE	NAY	ABSTAIN	ABSENT	MOTION	SECOND
Mozell H. Booker, Fork Union District						
Patricia B. Eager, Palmyra District						
Anthony P. O'Brien, Rivanna District						
John M. Sheridan, Columbia District						
Chris Fairchild, Cunningham District						

Attest:

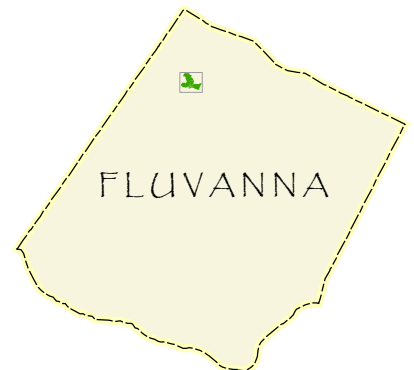
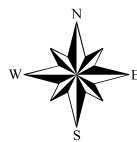
\_\_\_\_\_  
John M. Sheridan, Chair  
Fluvanna County Board of Supervisors



# Union Mills AFD



Tax Parcel	Owner	Parcel Acreage
9 A 25A	BANTON, PATRICIA H & RANDOLPH PERCY	1.08
9 8 1	BANTON, RANDOLPH P & PATRICIA H	2.11
9 A 16D	BANTON, RANDOLPH P & PATRICIA H	0.33
9 A 16E	BANTON, RANDOLPH P & PATRICIA H	4.49
9 A 25B	BANTON, RANDOLPH P & PATRICIA H	8.26
9 A 24A	KRUGER, CARL M & KELLY D	90.23
10 A 8	KRUGER, CARL M & KELLY D	0.16
10 A 11	KRUGER, CARL M & KELLY D	6.39
9 A 16A	PURYEAR, JEFFREY F & MARIBETH A	2.09
9 8 2	PURYEAR, JEFFREY F., ET AL	6.73
9 A 16C	RANSONE, JOHN E JR	29.75
9 A 26	RANSONE, JOHN E JR	168.21
9 A 26A	RANSONE, JOHN E JR	2
9 A 26B	RANSONE, JOHN EVERETTE, JR.	2.89
<b>TOTAL</b>		<b>324.72</b>









# COUNTY OF FLUVANNA

*"Responsive & Responsible Government"*

BOS2022-05-18 p.265/306  
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## MEMORANDUM

TAB H

**Date:** May 10, 2022  
**From:** Finance Department  
**To:** Board of Supervisors  
**Subject:** Accounts Payable Report for April 2022

1. Staff recommends that the Board of Supervisors ratify the expenditures in the attached report and summarized below.

CATEGORY	AMOUNT
General	\$1,445,944.96
Capital Improvements	\$96,880.96
Debt Service	\$0.00
Sewer	\$3,828.74
Fork Union Sanitary District	\$8,695.56
Zion Crossroads Water & Sewer	\$83,635.63
<b>TOTAL AP EXPENDITURES</b>	<b>\$1,638,985.85</b>
Payroll	\$1,369,068.56
<b>TOTAL</b>	<b>\$3,008,054.41</b>

### MOTION

I move the Accounts Payable and Payroll be ratified for April 2022 in the amount of \$3,008,054.41

Encl:  
AP Report



	A	B	C	D	F	G	H	I	J
1	<b>County of Fluvanna</b>			<b>From Date: 4/1/2022</b>					
2	<b>Accounts Payable List</b>			<b>To Date: 4/30/2022</b>					
4	<b>Vendor Name</b>	<b>Charge To</b>	<b>Description</b>	<b>Invoice</b>	<b>Invoice Date</b>	<b>Check Date</b>	<b>Check Amount</b>		
5	<b>Fund # - 100 GENERAL FUND</b>								
6	<b>GENERAL FUND</b>								
7	MINNESOTA LIFE INS. CO	CLEARING ACCOUNT-	Payroll Run 1 - Warrant 040122	94456	4/1/2022	4/19/2022	294.07		
8	MINNESOTA LIFE INS. CO	CLEARING ACCOUNT-	Payroll Run 1 - Warrant 041522	94718	4/15/2022	4/19/2022	294.12		
9	NERMIN SMAJLOVIC	PLANNING ESCROW	REFUND ES CASH BOND	NS040722	4/7/2022	4/15/2022	21,727.00		
10	FLUVANNA SELF STORAGE	PLANNING ESCROW	REFUND ES CASH BOND- BOND AMT	041822APR	4/18/2022	4/22/2022	2,568.00		
11	VACORP	CLEARING ACCOUNT-	Payroll Run 1 - Warrant 041522	94719	4/15/2022	4/20/2022	666.02		
12	VACORP	CLEARING ACCOUNT-	Payroll Run 1 - Warrant 040122	94457	4/1/2022	4/20/2022	680.14		
13						<b>Total:</b>	<b>\$26,229.35</b>		
14									
15	<b>OTHER LOCAL TAXES</b>								
16	THOMAS, JEFFERY WADE	ADMIN FEE VEHICLE LICENSE	EXP#000017	94342	3/30/2022	4/1/2022	1,500.00		
17						<b>Total:</b>	<b>\$1,500.00</b>		
18									
19	<b>PERMITS/FEES/LICENSES</b>								
20	NERMIN SMAJLOVIC	BUILDING PERMITS	REFUND ES CASH BOND	NS040722	4/7/2022	4/15/2022	550.00		
21						<b>Total:</b>	<b>\$550.00</b>		
22									
23	<b>BOARD OF SUPERVISORS</b>								
24	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	32.29		
25	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	64.58		
26	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	91.27		
27	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	118.40		
28	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	136.76		
29	FLUVANNA REVIEW	ADVERTISING	ADMIN AD	2022F13-7	3/31/2022	4/8/2022	531.25		
30	FLUVANNA REVIEW	ADVERTISING	PUBLIC NOTICE OF BUDGET FULL	2022F14-9	4/7/2022	4/15/2022	531.25		
31	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	151.15		
32	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	151.18		
33						<b>Total:</b>	<b>\$1,808.13</b>		
34									
35	<b>COUNTY ADMINISTRATOR</b>								
36	ATLANTIC TECHNOLOGY	PROFESSIONAL SERVICES	ADMIN, SERVICES	1850	1/31/2022	4/8/2022	600.00		
37	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	363.45		
38	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	234.40		
39	VA INFORMATION TECHNOLOGIES	TELECOMMUNICATIONS	VITA STATEMENT	T447495	4/1/2022	4/8/2022	65.29		
40	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	80.76		
41	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	80.78		
42						<b>Total:</b>	<b>\$1,424.68</b>		

	A	B	C	D	F	G	H	I	J
1	<b>County of Fluvanna</b>			<b>From Date: 4/1/2022</b>					
2	<b>Accounts Payable List</b>			<b>To Date: 4/30/2022</b>					
4	<b>Vendor Name</b>	<b>Charge To</b>	<b>Description</b>	<b>Invoice</b>	<b>Invoice Date</b>	<b>Check Date</b>	<b>Check Amount</b>		
43									
44	<b>COUNTY ATTORNEY</b>								
45	PAYNE & HODOUS, LLC.	COUNTY ATTY LEGAL-	COUNTY ATTY SERVICES	152775	4/1/2022	4/8/2022	10,000.00		
46	PAYNE & HODOUS, LLC.	COUNTY ATTY LEGAL-	COUNTY ATTY SERVICES	152775	4/1/2022	4/8/2022	3,204.50		
47	PAYNE & HODOUS, LLC.	COUNTY ATTY LEGAL-	COUNTY ATTY SERVICES	152775	4/1/2022	4/8/2022	5,123.50		
48	PAYNE & HODOUS, LLC.	COUNTY ATTY LEGAL-	COUNTY ATTY SERVICES	152775	4/1/2022	4/8/2022	6,058.00		
49						<b>Total:</b>	<b>\$24,386.00</b>		
50									
51	<b>COMMISSIONER OF THE REVENUE</b>								
52	BANK OF AMERICA	CONVENTION AND EDUCATION	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	150.00		
53	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	118.56		
54	BANK OF AMERICA	PROFESSIONAL SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	45.00		
55	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/1/2022	4/22/2022	30.20		
56	STONEWALL TECHNOLOGIES	PROFESSIONAL SERVICES	COMMISIONER OF REVENUE	9847	3/31/2022	4/15/2022	300.00		
57	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	40.38		
58	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	40.39		
59						<b>Total:</b>	<b>\$724.53</b>		
60									
61	<b>TREASURER</b>								
62	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	TREASURER SUPPLIES	1WY1-7WDP-	3/28/2022	4/8/2022	95.07		
63	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	TREASURER- FILE FOLDERS	1QN1-NKR3-	4/18/2022	4/22/2022	8.51		
64	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	TREASURER- OFFICE SUPPLIES	1YV3-M4JN-	4/12/2022	4/22/2022	99.66		
65	BMS DIRECT	PRINTING AND BINDING	REAL ESTATE DELINQUENT 2021	157912	3/25/2022	4/1/2022	767.28		
66	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	132.96		
67	CDW GOVERNMENT, INC.	EDP EQUIPMENT	TREASURY- EPSON TM-S2000II MF	R820293	2/4/2022	4/22/2022	5,531.16		
68	MECHUMS RIVER SECURITY	LEASE/RENT	TREASURERS OFFICE -QUARTERLY	33781	4/1/2022	4/15/2022	75.00		
69	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	40.38		
70	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	40.39		
71	VIRGINIA DEPT. OF MOTOR VEHICLES	DMV-ONLINE	TREASURY- UNPAID VRWS	041122APR	4/11/2022	4/22/2022	125.00		
72						<b>Total:</b>	<b>\$6,915.41</b>		
73									
74	<b>INFORMATION TECHNOLOGY</b>								
75	AVIA, LLC	PROFESSIONAL SERVICES	LABOR AND HARDWARE: PROJ AVIA-	7945	4/19/2022	4/22/2022	938.44		
76	BANK OF AMERICA	ADP SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	21.00		
77	BANK OF AMERICA	ADP SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	27.07		
78	BANK OF AMERICA	ADP SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	45.28		
79	BANK OF AMERICA	ADP SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	52.99		
80	BANK OF AMERICA	ADP SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	158.93		



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81	BANK OF AMERICA	ADP SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	452.00		
82	BANK OF AMERICA	ADP SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	899.98		
83	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	50.94		
84	CDW GOVERNMENT, INC.	ADP SERVICES	IT- ELECTRONIC DISTRIBUTION PARTS	V339599	4/1/2022	4/15/2022	996.18		
85	FIREFLY	TELECOMMUNICATIONS	MONTHLY INTERNET	11068APRIL	4/1/2022	4/8/2022	1,441.23		
86	TYLER TECHNOLOGIES	ADP SERVICES	APPLICATION SERVICES MARCH	045-369167	3/1/2022	4/22/2022	20,271.93		
87	VA INFORMATION TECHNOLOGIES	TELECOMMUNICATIONS	VITA STATEMENT	T447495	4/1/2022	4/8/2022	362.44		
88	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	127.92		
89	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	127.95		
90									
91									
92	<b>FINANCE</b>								
93	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	180.49		
94	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	40.38		
95	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	65.51		
96									
97									
98	<b>REGISTRAR/ELECTORAL BOARD</b>								
99	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	REGISTRAR'S OFFICE SUPPLIES	14VQ-P1VT-	3/23/2022	4/1/2022	78.86		
100	AUTOMATED OFFICE SYSTEMS	LEASE/RENT	REGISTRAR MATERIALS	099488	3/30/2022	4/8/2022	155.00		
101	BANK OF AMERICA	CONVENTION AND EDUCATION	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	150.00		
102	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	26.62		
103	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	196.88		
104	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	740.12		
105	JOYCE PACE	MILEAGE ALLOWANCES	LESSONS LEARNED CONFERENCE	031522jp	3/15/2022	4/1/2022	19.04		
106	JOYCE PACE	MILEAGE ALLOWANCES	LOCAL TRAVEL MILAGE SEPTEMBER	021522JP4	2/15/2022	4/1/2022	123.76		
107	JOYCE PACE	MILEAGE ALLOWANCES	LOCAL TRAVEL MILAGE OCTOBER	021522JP5	2/15/2022	4/1/2022	180.32		
108	JOYCE PACE	MILEAGE ALLOWANCES	LOCAL TRAVEL MILEAGE FORM	040122JP	4/1/2022	4/8/2022	56.90		
109	JOYCE PACE	OFFICE SUPPLIES	REGISTRAR MATERIALS	040522	4/5/2022	4/8/2022	252.71		
110	JOYCE PACE	SUBSISTENCE & LODGING	LESSONS LEARNED CONFERENCE	031522jp	3/15/2022	4/1/2022	627.20		
111	PITNEY BOWES	MACHINERY AND EQUIPMENT	REGISTRAR- 2/12/22-05/11/22	3315559895	4/7/2022	4/29/2022	498.45		
112	VA INFORMATION TECHNOLOGIES	TELECOMMUNICATIONS	VITA STATEMENT	T447495	4/1/2022	4/8/2022	213.83		
113	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	45.38		
114	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	45.39		
115									
116									
117	<b>HUMAN RESOURCES</b>								
118	ANTHEM EAP	OTHER OPERATING SERVICES	HR EAP FEES	NV000417	3/28/2022	4/8/2022	25.80		

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119	ANTHEM EAP	OTHER OPERATING SUPPLIES	HR- EAP FEES COVERAGE 5/1-5/31/22	20538763719	4/25/2022	4/29/2022	25.80		
120	BANK OF AMERICA	RECRUITMENT	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	360.00		
121	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	6.13		
122	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	20.59		
123	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	27.47		
124	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	416.55		
125	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	18.05		
126	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	52.26		
127	VIRGINIA DEPARTMENT OF STATE	OTHER OPERATING SERVICES	HR NAME SEARCH	CJIS-4698	4/1/2022	4/8/2022	40.00		
128	VIRGINIA EMPLOYMENT COMMISSION	UNEMPLOYMENT	TOTAL OWED TO VEC OF BACK	11152021VE	3/22/2022	4/1/2022	6,724.78		
129						<b>Total:</b>	<b>\$7,717.43</b>		
130									
131	<b>GENERAL DISTRICT COURT</b>								
132	ASSOCIATION OF DISTRICT COURT	DUES OR ASSOCIATION	BARBARA G LOWE FLUVANNA/	020122APR	2/1/2022	4/29/2022	60.00		
133	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	138.19		
134	VIRGINIA COUNCIL OF JUVENILE &	DUES OR ASSOCIATION	BARBARA G. LOWE- 2022	042622APR	4/26/2022	4/29/2022	50.00		
135						<b>Total:</b>	<b>\$248.19</b>		
136									
137	<b>COURT SERVICE UNIT</b>								
138	DENNIS CRONIN	MILEAGE ALLOWANCES	MILEAGE FOR MARCH 2022	033122MARC	4/20/2022	4/22/2022	76.05		
139						<b>Total:</b>	<b>\$76.05</b>		
140									
141	<b>DRUG COURT</b>								
142	OAR JEFFERSON AREA COMM.	DUES OR ASSOCIATION	COURT SERVICES, DRUG CT	04012022	4/5/2022	4/8/2022	20.00		
143	OAR JEFFERSON AREA COMM.	EDP EQUIPMENT	COURT SERVICES, DRUG CT	04012022	4/5/2022	4/8/2022	131.62		
144	OAR JEFFERSON AREA COMM.	MILEAGE ALLOWANCES	COURT SERVICES, DRUG CT	04012022	4/5/2022	4/8/2022	340.90		
145	OAR JEFFERSON AREA COMM.	OFFICE SUPPLIES	COURT SERVICES, DRUG CT	04012022	4/5/2022	4/8/2022	1,281.01		
146	OAR JEFFERSON AREA COMM.	PROFESSIONAL SERVICES	COURT SERVICES, DRUG CT	04012022	4/5/2022	4/8/2022	17,929.51		
147						<b>Total:</b>	<b>\$19,703.04</b>		
148									
149	<b>CLERK OF THE CIRCUIT COURT</b>								
150	AMAZON CAPITAL SERVICES	FURNITURE & FIXTURES	CIRCUIT COURT OFFICE SUPPLIES	1Q7C-RD6V-	4/7/2022	4/15/2022	88.66		
151	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	CIRCUIT COURT SUPPLIES	1XTL-XP6Q-	3/24/2022	4/1/2022	44.27		
152	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	CIRCUIT COURT OFFICE SUPPLIES	1Q7C-RD6V-	4/7/2022	4/15/2022	23.99		
153	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	COUNTY CLERK OFFICE SUPPLIES	1CGR-QCRM-	4/7/2022	4/15/2022	50.98		
154	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	116.29		
155	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	191.28		
156	CANON SOLUTIONS AMERICA, INC.	OFFICE SUPPLIES	CIRCUIT CT CLERK OFFICE-COPIER	147773185	3/31/2022	4/15/2022	155.80		

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157	CHARLOTTESVILLE OFFICE MACHINE	MAINTENANCE CONTRACTS	CIRCUIT CT CLERK OFF- MACHINE	675144	4/8/2022	4/15/2022	540.00		
158	CHARLOTTESVILLE OFFICE MACHINE	OFFICE SUPPLIES	CIRCUIT CT CLERKS OFFICE- CUSTOM	675142	4/7/2022	4/15/2022	460.00		
159	LOGAN SYSTEMS, INC.	PROFESSIONAL SERVICES	CIRCUIT CT - PROFESSIONAL	56356	4/15/2022	4/22/2022	2,541.67		
160	TRISTANA K. TREADWAY, CLERK	MILEAGE ALLOWANCES	ATTEND VA COURT CLERK'S ASSOC	040722TT	4/7/2022	4/8/2022	187.20		
161	TRISTANA K. TREADWAY, CLERK	SUBSISTENCE & LODGING	ATTEND VA COURT CLERK'S ASSOC	040722TT	4/7/2022	4/8/2022	44.00		
162	PALMYRA PRESS, INC.	PRINTING AND BINDING	CIRCUIT CT CLERK MATERIALS	3445	4/1/2022	4/8/2022	239.00		
163	PITNEY BOWES	LEASE/RENT	CIRCUIT CT CLERKS OFFICE	3315533570	4/2/2022	4/15/2022	155.79		
164	TREASURER OF VIRGINIA	EDP EQUIPMENT	CIRCUIT CT- LENOVO THINKVISION	22-FLUPC-	4/15/2022	4/22/2022	378.00		
165	TREASURER OF VIRGINIA	EDP EQUIPMENT	CIRCUIT CT- 24" MONITOR AND 21.5"	22-FLUPC-	4/15/2022	4/22/2022	551.00		
166	TREASURER OF VIRGINIA	PROFESSIONAL SERVICES	CIRCUIT CT- ANNUAL RECORDS	22-065C-	4/7/2022	4/22/2022	1,750.32		
167						<b>Total:</b>	<b>\$7,518.25</b>		
168									
169	<b>CIRCUIT COURT JUDGE</b>								
170	LINDA P. CHRISTIAN	COMPENSATION-GRAND	GRAND JURY SERVICE: 4/25/22	GJ042022-1	4/25/2022	4/29/2022	30.00		
171	LISA A. SEARCY	COMPENSATION-GRAND	GRAND JURY SERVICE: 04/25/22	GJ042022-3	4/25/2022	4/29/2022	30.00		
172	SARAH PULLEN	COMPENSATION-GRAND	GRAND JURY SERVICE: 04/25/22	GJ042022-4	4/25/2022	4/29/2022	30.00		
173	VALERIE J. PALAMOUNTAIN	COMPENSATION-GRAND	GRAND JURY SERVICE: 4/25/22	GJ042022-2	4/25/2022	4/29/2022	30.00		
174	VICTORIA MELTON	COMPENSATION-GRAND	GRAND JURY SERVICE: 04/25/22	GJO42022-5	4/25/2022	4/29/2022	30.00		
175	TREASURER OF VIRGINIA	EDP EQUIPMENT	CIRCUIT CT- 24" MONITOR AND 21.5"	22-FLUPC-	4/15/2022	4/22/2022	189.00		
176						<b>Total:</b>	<b>\$339.00</b>		
177									
178	<b>COMMONWEALTH ATTY</b>								
179	AMANDA GALLOWAY	CONVENTION AND EDUCATION	REIMBURSEMENT- SERVICES	041922APR	4/19/2022	4/29/2022	60.00		
180	AMANDA GALLOWAY	MILEAGE ALLOWANCES	REIMBURSEMENT- SERVICES	041922APR	4/19/2022	4/29/2022	74.88		
181	AMANDA GALLOWAY	SUBSISTENCE & LODGING	REIMBURSEMENT- SERVICES	041922APR	4/19/2022	4/29/2022	224.00		
182	BANK OF AMERICA	CONVENTION AND EDUCATION	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	75.00		
183	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	203.54		
184	JEFF HAISLIP	CONVENTION AND EDUCATION	REIMBURSEMENT- MILEAGE, LODING,	041922APR	4/19/2022	4/29/2022	9.80		
185	JEFF HAISLIP	MILEAGE ALLOWANCES	JEFF HAISLIP REIMBURSEMENT-	033122	3/31/2022	4/15/2022	64.51		
186	JEFF HAISLIP	MILEAGE ALLOWANCES	REIMBURSEMENT- MILEAGE, LODING,	041922APR	4/19/2022	4/29/2022	74.88		
187	JEFF HAISLIP	SUBSISTENCE & LODGING	REIMBURSEMENT- MILEAGE, LODING,	041922APR	4/19/2022	4/29/2022	224.00		
188	MATTHEW BENDER & CO INC	MAINTENANCE CONTRACTS	COMMONWEALTH ATTORNEY	3093778524	4/4/2022	4/8/2022	148.00		
189	JEFFREY HAISLIP	MILEAGE ALLOWANCES	VTLA CONFERENCE PRESENTATION	032822JH	3/28/2022	4/1/2022	126.56		
190	JEFFREY HAISLIP	SUBSISTENCE & LODGING	VTLA CONFERENCE PRESENTATION	032822JH	3/28/2022	4/1/2022	88.50		
191	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	40.38		
192	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	40.39		
193	VIRGINIA ASSOCIATION OF	DUES OR ASSOCIATION	COMMONWEALTH ATTORNEY-VACA	8942	4/1/2022	4/29/2022	700.00		
194						<b>Total:</b>	<b>\$2,154.44</b>		

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195									
196	<b>SHERIFF</b>								
197	AARON HOLMAN	SUBSISTENCE & LODGING	FCSO- DCJS TRAINING EVENT:	041122APR	4/11/2022	4/29/2022	49.25		
198	AARON HOLMAN	SUBSISTENCE & LODGING	PROFESSIONAL LEADERSHIP ACAD- M	041122	4/11/2022	4/29/2022	226.50		
199	ADVANCE AUTO PARTS	VEHICLE/POWER EQUIP	FCSD - CAR 33 WIPERS	73062082250	3/23/2022	4/1/2022	28.78		
200	ADVANCE AUTO PARTS	VEHICLE/POWER EQUIP	SHERIFF'S OFFICE	73062084398	3/25/2022	4/15/2022	28.78		
201	ADVANCE AUTO PARTS	VEHICLE/POWER EQUIP	FCSO- 1 CARQUEST STANDARD OIL	73062102694	4/12/2022	4/29/2022	2.09		
202	ADVANCE AUTO PARTS	VEHICLE/POWER EQUIP	FCSO- 2: CARQUEST STANDARD OIL	73062110586	4/20/2022	4/29/2022	4.39		
203	ADVANCE AUTO PARTS	VEHICLE/POWER EQUIP	FCSO- 1 CARQUEST STANDARD OIL	73062115456	4/25/2022	4/29/2022	4.60		
204	ADVANCE AUTO PARTS	VEHICLE/POWER EQUIP	FCSO- HEADLIGHT #47	73062108313	4/18/2022	4/29/2022	37.79		
205	ADVANCE AUTO PARTS	VEHICLE/POWER EQUIP	FCSO- HEADLIGHT -XTRA VISION 1	73062096305	4/6/2022	4/29/2022	38.06		
206	ADVANCE AUTO PARTS	VEHICLES REP & MAINT	SHERIFF'S OFFICE- ENGINE OIL	73062094692	4/4/2022	4/15/2022	4.39		
207	ALBEMARLE LOCK & SAFE, INC.	OFFICE SUPPLIES	SHERIFF'S OFFICE- SERVICE CALL,	106143	4/6/2022	4/15/2022	1,075.00		
208	AMAZON CAPITAL SERVICES	COMMUNICATIONS	SHERIFF DEPT MATERIAL	1RV3-64JQ-	3/27/2022	4/8/2022	625.39		
209	AMAZON CAPITAL SERVICES	INVESTIGATIVE SERVICES	FCSD SUPPLIES	144D-YHLX-	3/27/2022	4/1/2022	343.47		
210	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	SHERIFF'S OFFICE- TOUGH ARMOR	1WC-4FNR-	3/31/2022	4/15/2022	29.99		
211	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	SHERIFF'S OFFICE-LG 34GL750 34	1GKY-7QKQ-	3/25/2022	4/15/2022	369.99		
212	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	FCSO-ENVELOPES	1W3X-WLJ3-	4/25/2022	4/29/2022	167.34		
213	AT&T MOBILITY	TELECOMMUNICATIONS	FCSD - LONG DISTANCE BILL	73050558280	3/6/2022	4/1/2022	101.97		
214	BANK OF AMERICA	INVESTIGATIVE SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	75.00		
215	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	(\$5.78)		
216	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	(\$5.27)		
217	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	13.50		
218	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	81.08		
219	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	221.12		
220	BANK OF AMERICA	POSTAL SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	8.16		
221	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	14.69		
222	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	25.34		
223	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	149.48		
224	CAMPBELL EQUIPMENT, INC.	VEHICLES REP & MAINT	SHERIFF'S OFFICE- FCSD#90 TIRE	033122APR	3/31/2022	4/15/2022	100.00		
225	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	76.42		
226	CANON FINANCIAL SERVICES, INC.	MAINTENANCE CONTRACTS	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	5.00		
227	CANON FINANCIAL SERVICES, INC.	MAINTENANCE CONTRACTS	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	443.60		
228	CELLEBRITE INC	INVESTIGATIVE SERVICES	SHERIFF'S OFFICE- UFED 4PC SW	INVUS241255	4/10/2022	4/15/2022	4,800.00		
229	CENTURYLINK	TELECOMMUNICATIONS	FCSD MONTHLY BILL	310191749M	3/16/2022	4/1/2022	2,192.58		
230	CENTURYLINK	TELECOMMUNICATIONS	FCSO- MONTHLY PHONE AND LONG	040722APR	4/7/2022	4/29/2022	170.90		
231	CENTURYLINK	TELECOMMUNICATIONS	FCSO-434-591-1089 SERVICE 4/16-	041622APR	4/16/2022	4/29/2022	3.48		
232	CENTURYLINK	TELECOMMUNICATIONS	FCSO- BASIC MONTHLY SERVICE 4/16-	041622APR2	4/16/2022	4/29/2022	54.12		



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233	DAVID R. WELLS	SUBSISTENCE & LODGING	REIMBURSEMENT- M & IE PER DIEM	042522	4/25/2022	4/29/2022	78.00		
234	EAST COAST EMERGENCY VEHICLES	VEHICLE/POWER EQUIP	FCSD - 2305 - POWER EQUIPMENT	29719	3/24/2022	4/1/2022	546.11		
235	EAST COAST EMERGENCY VEHICLES	VEHICLE/POWER EQUIP	FCSD - 0004 - POWER EQUIPMENT	29720	3/24/2022	4/1/2022	546.11		
236	EAST COAST EMERGENCY VEHICLES	VEHICLE/POWER EQUIP	FCSD - DODGE CHARGER VIN	29804	3/31/2022	4/29/2022	300.00		
237	EAST COAST EMERGENCY VEHICLES	VEHICLES REP & MAINT	DODGE CHARGER 9366 - REPAIRS	29722	3/24/2022	4/1/2022	110.33		
238	ERIC HESS	SUBSISTENCE & LODGING	REIMBURSEMENT FOR VSI SPRING	042622	4/25/2022	4/29/2022	176.61		
239	FIREFLY	TELECOMMUNICATIONS	MONTHLY INTERNET	11068APRIL	4/1/2022	4/8/2022	525.00		
240	FLUVANNA ACE HARDWARE	OFFICE SUPPLIES	FCSD SUPPLIES	91827	3/23/2022	4/1/2022	39.01		
241	FLUVANNA ACE HARDWARE	POLICE SUPPLIES	FCSD SUPPLIES	91818	3/23/2022	4/1/2022	83.47		
242	FRF, INC.	OFFICE SUPPLIES	FCSD OFFICE SUPPLIES	52901	3/25/2022	4/1/2022	27.00		
243	GALLS, LLC.	UNIFORM/WEARING APPAREL	SHERIFF'S OFFICE - TACTICAL	020729986	3/22/2022	4/15/2022	84.99		
244	GALLS, LLC.	UNIFORM/WEARING APPAREL	SHERIFF'S OFFICE- PERFROMANCE	020729962	3/22/2022	4/15/2022	103.01		
245	GALLS, LLC.	UNIFORM/WEARING APPAREL	SHERIFF'S OFFICE- DOUBLE DUTY	020729963	3/22/2022	4/15/2022	274.74		
246	GALLS, LLC.	UNIFORM/WEARING APPAREL	FCSD- FT1224 BLK 10/ UA VALSETZ	020835626	4/4/2022	4/29/2022	124.59		
247	GEORGE J PETRONIS ENTERPRISES	POLICE SUPPLIES	FCSD- 10 : 9MM 147 GR FMJ	46835	4/25/2022	4/29/2022	2,049.90		
248	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD CAR #27	FLU100	3/28/2022	4/1/2022	40.00		
249	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD CAR 17 - INSPECTION & OIL	FLU099	3/24/2022	4/1/2022	60.00		
250	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	SHERIFF'S OFFIC-AUTO REPAIR 2018	FLU106	4/12/2022	4/15/2022	1,000.54		
251	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- 2019 DODGE CHARGER STATE	FLU101	3/30/2022	4/22/2022	60.00		
252	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- #38 2017 FORD INTERCEPTER	FLU104	4/1/2022	4/22/2022	96.00		
253	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- #8 2014 DODGE CHARGER OIL	FLU102	3/31/2022	4/22/2022	99.39		
254	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- # 36 2016 FORD EXPLORER OIL	FLU103	4/1/2022	4/22/2022	119.95		
255	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- #25 2020 DODGE CHARGER	FLU105	4/7/2022	4/22/2022	280.16		
256	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- CAR#45: OIL CHANGE, TIRE	FLU109	4/22/2022	4/29/2022	40.00		
257	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- CAR#38: OIL CHANGE, STATE	FLU107	4/20/2022	4/29/2022	60.00		
258	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- CAR#15: WIPERS, OIL CHANGE,	FLU112	4/26/2022	4/29/2022	60.00		
259	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- CAR#19 AIR FILTER, OIL	FLU108	4/21/2022	4/29/2022	137.94		
260	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- CAR#4: GOLD BATTERY (3YR	FLU111	4/25/2022	4/29/2022	179.95		
261	GOODSON'S AUTO REPAIR	VEHICLES REP & MAINT	FCSD- CAR#20: FRONT BRAKE PADS,	FLU110	4/22/2022	4/29/2022	327.75		
262	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	11,160.27		
263	KUSTOM SIGNALS, INC.	VEHICLE/POWER EQUIP	SHERIFF'S OFFICE- EAGLE MNT FOR	593110	4/12/2022	4/15/2022	98.40		
264	KUSTOM SIGNALS, INC.	VEHICLE/POWER EQUIP	FCSD- TUNING FORK, RADAR	591057	1/31/2022	4/22/2022	469.00		
265	KUSTOM SIGNALS, INC.	VEHICLE/POWER EQUIP	FCSD- ACC MOUNT KA WINDSHIELD,	592748	3/29/2022	4/22/2022	3,965.00		
266	LESLIE KOCZAN	SUBSISTENCE & LODGING	FCSD-LEADERSHIP ACAD TRAINING	041122APR1	4/11/2022	4/29/2022	226.50		
267	MANSFIELD OIL COMPANY OF	VEHICLE FUEL	MANSFIELD FUELS INVOICE: 3/16/22-	SQLCD-	4/1/2022	4/8/2022	343.85		
268	PITNEY BOWES PURCHASE PWR	POSTAL SERVICES	FCSD- METER REFILL AND	042022APR	4/20/2022	4/29/2022	208.99		
269	PITNEY BOWES	LEASE/RENT	SHERIFF'S OFFICE - POSTAGE METER	3315469856	3/27/2022	4/15/2022	171.15		
270	PORTER LEE CORPORATION	OFFICE SUPPLIES	FCSD- BARCODE LABEL, RESIN	26733	3/30/2022	4/29/2022	133.79		

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271	SEAN L PETERSON	SUBSISTENCE & LODGING	SEAN PETERSON- REIMBURSEMENT -	041222APR	4/12/2022	4/29/2022	201.60		
272	SEAN L PETERSON	SUBSISTENCE & LODGING	SEAN PETERSON- REIMBURSEMENT	041322APR	4/13/2022	4/29/2022	302.40		
273	SEAN L PETERSON	SUBSISTENCE & LODGING	SEAN PETERSON- REIMBURSEMENT	041322APR2	4/13/2022	4/29/2022	302.40		
274	SHULL'S AUTOMOTIVE, INC.	VEHICLES REP & MAINT	FCSD TOW FR GODSON TO BONE	1002110	3/22/2022	4/1/2022	100.00		
275	SHULL'S AUTOMOTIVE, INC.	VEHICLES REP & MAINT	FCSO- PICK UP STOLEN VEHICLE:	042522APR	4/25/2022	4/29/2022	200.00		
276	SPRINT	TELECOMMUNICATIONS	FCSD - CELL PHONE BILL MARCH 22	313771602-	3/26/2022	4/1/2022	2,993.65		
277	TOWN GUN SHOP, INC.	POLICE SUPPLIES	SHERIFF'S OFFICE- FIRE ARMS -	0026453-0	4/13/2022	4/15/2022	2,045.00		
278	TREASURER OF VIRGINIA	PROFESSIONAL SERVICES	FCSO- MEDICAL EXAMINER	032122APR	3/21/2022	4/22/2022	40.00		
279	VA INFORMATION TECHNOLOGIES	TELECOMMUNICATIONS	VITA STATEMENT	T447495	4/1/2022	4/8/2022	69.33		
280	VERIZON BUSINESS/MCI COMM	TELECOMMUNICATIONS	MONTHLY BILL	05920249	3/25/2022	4/8/2022	17.75		
281	VERIZON BUSINESS/MCI COMM	TELECOMMUNICATIONS	MONTHLY BILL- PHONE SERVICES	06040562	4/25/2022	4/29/2022	17.79		
282	VERIZON WIRELESS	TELECOMMUNICATIONS	FCSO- MONTHLY BILL 3/9-4-8	9903688593	4/8/2022	4/29/2022	8,986.44		
283	VIRGINIA DEPT. OF MOTOR VEHICLES	VEHICLE/POWER EQUIP	SHERIFF'S OFFICE VEHICLE	2119100211	4/1/2022	4/15/2022	5.00		
284	VIRGINIA DEPT. OF MOTOR VEHICLES	VEHICLE/POWER EQUIP	TAG#231144L TRANS DATE 04/01/22,	20220970004	4/7/2022	4/29/2022	5.00		
285	VIRGINIA WHOLESALE TIRE	VEHICLE/POWER EQUIP	SHERIFFS DEPT REPLACEMENT TIRES	3056018	3/29/2022	4/8/2022	488.52		
286	VIRGINIA WHOLESALE TIRE	VEHICLE/POWER EQUIP	SHERIFFS DEPT REPLACEMENT TIRES	3056017	3/29/2022	4/8/2022	915.76		
287	VIRGINIA WHOLESALE TIRE	VEHICLE/POWER EQUIP	SHERIFF'S OFFICE- 2 FIREHAWK	3056175	3/31/2022	4/22/2022	228.94		
288	VIRGINIA WHOLESALE TIRE	VEHICLE/POWER EQUIP	SHERIFF'S OFFICE- 8 FIREHAWK	3056176	3/31/2022	4/22/2022	1,014.80		
289	WAGNER'S WRECKER SERVICE	VEHICLES REP & MAINT	FCSO-SHERIFF'S IMPOUND: 90 GMC	16465	4/20/2022	4/29/2022	200.00		
290						<b>Total:</b>	<b>\$54,103.08</b>		
291									
292	<b>E911</b>								
293	AMAZON CAPITAL SERVICES	BLDGS EQUIP REP & MAINT	E911 MATERIALS	1DJY-HCLC-	3/25/2022	4/8/2022	79.98		
294	AMAZON CAPITAL SERVICES	BLDGS EQUIP REP & MAINT	E911- AA BATTERIES WITH POWER	1GDW-QD7W-	4/14/2022	4/29/2022	57.20		
295	AMAZON CAPITAL SERVICES	BLDGS EQUIP REP & MAINT	E911- CABLES AND SUPPLIES	14J3-4RLV-	4/16/2022	4/29/2022	191.53		
296	AMAZON CAPITAL SERVICES	IT SERVICES	E911- LAPTOP BATTERY	1W6M-JVPV-	4/2/2022	4/22/2022	466.16		
297	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	E911- CABLES AND SUPPLIES	14J3-4RLV-	4/16/2022	4/29/2022	15.44		
298	AMAZON CAPITAL SERVICES	PROFESSIONAL SERVICES	E911 MATERIALS	1WQ4-4W6X-	3/23/2022	4/8/2022	107.18		
299	AMAZON CAPITAL SERVICES	PROFESSIONAL SERVICES	E911- MAGNETIC COIL ANTENNA	1VGF-3KKR-	4/6/2022	4/22/2022	39.90		
300	AMAZON CAPITAL SERVICES	PROFESSIONAL SERVICES	E911- WIRELESS REMOTE WIFI TEMP	1FRF-CCJG-	4/9/2022	4/22/2022	504.29		
301	AMAZON CAPITAL SERVICES	PROFESSIONAL SERVICES	E911- SERVER RACK SHELF, FLASH	1XJX-6KJ4-	4/9/2022	4/22/2022	550.74		
302	AMAZON CAPITAL SERVICES	PROFESSIONAL SERVICES	E911- SERVER RACK SHELF	1GHD-VWLH-	4/3/2022	4/22/2022	757.78		
303	AMAZON CAPITAL SERVICES	PROFESSIONAL SERVICES	E911- CREDIT FOR POWER FAILURE	1GHD-VWLH-	4/3/2022	4/29/2022	(\$119.98)		
304	AMAZON CAPITAL SERVICES	TELECOMMUNICATIONS	E911- CABLES AND SUPPLIES	14J3-4RLV-	4/16/2022	4/29/2022	55.24		
305	AT&T MOBILITY	TELECOMMUNICATIONS	E911 SERVICES, MOBILE	28728440627	3/18/2022	4/8/2022	2.19		
306	BANK OF AMERICA	IT SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	12.00		
307	BANK OF AMERICA	IT SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	12.58		
308	BANK OF AMERICA	IT SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	20.50		

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309	BANK OF AMERICA	IT SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	323.40		
310	BANK OF AMERICA	IT SERVICES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	959.00		
311	BANK OF AMERICA	MAINTENANCE CONTRACTS	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	15.00		
312	BANK OF AMERICA	MAINTENANCE CONTRACTS	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	25.00		
313	BANK OF AMERICA	MAINTENANCE CONTRACTS	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	28.00		
314	BANK OF AMERICA	MAINTENANCE CONTRACTS	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	163.39		
315	BANK OF AMERICA	MAINTENANCE CONTRACTS	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	206.00		
316	BANK OF AMERICA	MAINTENANCE CONTRACTS	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	374.97		
317	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	109.44		
318	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	76.42		
319	CENTURYLINK	MAINTENANCE CONTRACTS	E911 - QBOM PLANT BASE	101260200	3/17/2022	4/1/2022	6,105.34		
320	CENTURYLINK	TELECOMMUNICATIONS	E911 MAR 22 BILL	310214091M	3/19/2022	4/1/2022	144.21		
321	CENTURYLINK	TELECOMMUNICATIONS	E911- SERVICE FOR 4/10-5/9/22	041022APR	4/10/2022	4/29/2022	2,283.00		
322	COMCAST CORPORATION	TELECOMMUNICATIONS	E911- MONTHLY 04/08-05/07/22	040322APR	4/3/2022	4/29/2022	108.28		
323	CONNECTED SOLUTIONS GROUP, LLC	PROFESSIONAL SERVICES	E911- PEPLINK MAX BRI MINI LTEA,	85749	4/8/2022	4/22/2022	1,487.95		
324	MEDICAL PRIORITY CONSULTANTS,	MAINTENANCE CONTRACTS	E911- PRO QA SOFTWARE LICENSES,	SIN292902	2/15/2022	4/29/2022	26,671.50		
325	NWG SOLUTIONS, LLC.	IT SERVICES	FCSO- MONTHLY BILL FOR MARCH	58394	3/31/2022	4/22/2022	1,487.00		
326	NWG SOLUTIONS, LLC.	MAINTENANCE CONTRACTS	FCSO- MONTHLY BILL MARH	58393	3/31/2022	4/22/2022	1,168.70		
327	ASHLEY HUNTER	SUBSISTENCE & LODGING	LODGING (E911 ACADEMY TRAINING)	AH01	3/11/2022	4/15/2022	431.24		
328	ROGER GATEWOOD	MILEAGE ALLOWANCES	GENERAL INSTRUCTOR	032522RG	3/25/2022	4/1/2022	220.73		
329	ROGER GATEWOOD	SUBSISTENCE & LODGING	GENERAL INSTRUCTOR	032522RG	3/25/2022	4/1/2022	84.00		
330	SPRINT	TELECOMMUNICATIONS	FCSD - CELL PHONE BILL MARCH 22	313771602-	3/26/2022	4/1/2022	611.70		
331	VA INFORMATION TECHNOLOGIES	TELECOMMUNICATIONS	VITA STATEMENT	T447495	4/1/2022	4/8/2022	69.33		
332	VERIZON WIRELESS	BLDGS EQUIP REP & MAINT	FCSO- MONTHLY BILL 3/9-4-8	9903688593	4/8/2022	4/29/2022	749.96		
333	VERIZON WIRELESS	PROFESSIONAL SERVICES	FCSO- MONTHLY BILL 3/9-4-8	9903688593	4/8/2022	4/29/2022	160.28		
334	VERIZON WIRELESS	TELECOMMUNICATIONS	FCSO- MONTHLY BILL 3/9-4-8	9903688593	4/8/2022	4/29/2022	2,682.49		
335						<b>Total:</b>	<b>\$49,499.06</b>		
336									
337	<b>FIRE AND RESCUE SQUAD</b>								
338	FLUVANNA COUNTY RESCUE SQUAD	FIRE & RESCUE ASSN	RESCUE SQUAD QTR ALLOCATION	FR4-22	4/1/2022	4/1/2022	27,500.00		
339	FLUVANNA COUNTY VOLUNTEER FIRE	FIRE & RESCUE ASSN	FCFD (QTR)	FF4-22	4/1/2022	4/1/2022	47,575.00		
340	LAKE MONTICELLO FIRE & RESCUE	FIRE & RESCUE ASSN	LM FRIE (QTR)	LM4-22	4/1/2022	4/1/2022	82,910.25		
341	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	560.14		
342	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	560.14		
343						<b>Total:</b>	<b>\$159,105.53</b>		
344									
345	<b>CORRECTION AND DETENTION</b>								
346	CENTRAL VIRGINIA REGIONAL JAIL	CVRJ COST OF PRISONERS	OPERATIONAL COSTS, FY 21/22, 4TH	040122f	4/1/2022	4/1/2022	285,102.50		

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347	COUNTY OF ALBEMARLE, VIRGINIA	CONFINEMENT - BRJDC	BILLIN FOR JUVENILE DENTENTION	FY2022-	4/15/2022	4/29/2022	14,720.50		
348								<b>Total:</b>	<b>\$299,823.00</b>
349									
350	<b>BUILDING INSPECTIONS</b>								
351	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	BLDG INSPECTIONS SUPPLIES	1MRM-D36K-	4/6/2022	4/8/2022	96.54		
352	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	BLDG INSPECTIONS MATERIALS	16CC-GHJX-	4/5/2022	4/8/2022	122.85		
353	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	ADMIN OFFICE CREDIT	1TVM-HQ61-	4/10/2022	4/15/2022	(\$104.24)		
354	BANK OF AMERICA	SUBSISTENCE & LODGING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	232.46		
355	BANK OF AMERICA	UNIFORM/WEARING APPAREL	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	163.74		
356	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	547.88		
357	TREASURER OF VIRGINIA	SURCHARGE	BUILDING INSPECTIONS- 2% LEVY ON	LV202203AP	4/7/2022	4/29/2022	976.31		
358	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	601.24		
359	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	241.20		
360								<b>Total:</b>	<b>\$2,877.98</b>
361									
362	<b>EMERGENCY MANAGEMENT</b>								
363	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	35.86		
364	DELTA RESPONSE TEAM LLC	CONTRACT SERVICES	EMERGENCY STAFFING	20220331	3/31/2022	4/8/2022	52,615.83		
365	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	188.26		
366	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	45.38		
367	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	45.39		
368								<b>Total:</b>	<b>\$52,930.72</b>
369									
370	<b>PUBLIC ANIMAL SHELTER</b>								
371	FLUVANNA SPCA	CONTRACT SERVICES	FY22 4TH QTR ALLOCATION	040122	4/1/2022	4/1/2022	84,639.00		
372								<b>Total:</b>	<b>\$84,639.00</b>
373									
374	<b>FACILITIES</b>								
375	ALBEMARLE LOCK & SAFE, INC.	BLDGS EQUIP REP & MAINT	PUBLIC WORKS MAINTENANCE	105982	3/29/2022	4/8/2022	902.50		
376	ALBEMARLE LOCK & SAFE, INC.	BLDGS EQUIP REP & MAINT	FACILITIES- KEY, KEY CAP, KEY	105933	3/28/2022	4/22/2022	83.90		
377	AMAZON CAPITAL SERVICES	BLDGS EQUIP REP & MAINT	PUBLIC WORKS CIRCUIT BREAKER	1LD7-VWVW-	4/7/2022	4/15/2022	399.98		
378	AMAZON CAPITAL SERVICES	GENERAL MATERIALS AND	PUBLIC WORKS SUPPLIES	1CFX-DJRP-	3/28/2022	4/1/2022	436.93		
379	AMAZON CAPITAL SERVICES	GENERAL MATERIALS AND	FACILITIES- LONG NOSE PLIERS WITH	1P91-YFKN-	4/17/2022	4/22/2022	23.98		
380	AMAZON CAPITAL SERVICES	GENERAL MATERIALS AND	FACILITIES- TRACTOR TIRE	1RN6-FT4M-	4/17/2022	4/22/2022	282.82		
381	AMAZON CAPITAL SERVICES	GENERAL MATERIALS AND	PUBLIC WORKS- TIRE REPAIR,PATCH/	1P91-YFKN-	4/17/2022	4/29/2022	44.15		
382	AMAZON CAPITAL SERVICES	GENERAL MATERIALS AND	PUBLIC WORKS- IRWIN VISE-GRIP,	1NY6-MX61-	4/22/2022	4/29/2022	78.83		
383	AMAZON CAPITAL SERVICES	GENERAL MATERIALS AND	PUBLIC WORKS- DEWALT CORDLESS	1NYM-R4Q7-	4/26/2022	4/29/2022	283.99		
384	AMAZON CAPITAL SERVICES	VEHICLES REP & MAINT	PUBLIC WORKS SUPPLIES	1MG7-GJWD-	3/19/2022	4/1/2022	150.48		



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2	<b>Accounts Payable List</b>			<b>To Date: 4/30/2022</b>					
4	Vendor Name	Charge To	Description	Invoice	Invoice Date	Check Date	Check Amount		
385	AMELIA OVERHEAD DOOR	BLDGS EQUIP REP & MAINT	FORK UNION FIRE DEPARTMENT	146585	3/20/2022	4/1/2022	1,174.99		
386	AMELIA OVERHEAD DOOR	BLDGS EQUIP REP & MAINT	PUBLIC WORKS- COURTHOUSE FIXED	147051	4/13/2022	4/22/2022	294.68		
387	BANK OF AMERICA	AGRICULTURAL SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	155.97		
388	BANK OF AMERICA	AGRICULTURAL SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	650.74		
389	BANK OF AMERICA	AGRICULTURAL SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	725.00		
390	BANK OF AMERICA	AGRICULTURAL SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	790.00		
391	BANK OF AMERICA	VEHICLE/POWER EQUIP	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	86.66		
392	BFPE INTERNATIONAL	BLDGS EQUIP REP & MAINT	COURTS BUILDING - FACP SIGNAL	2735646	3/24/2022	4/1/2022	190.00		
393	BFPE INTERNATIONAL	BLDGS EQUIP REP & MAINT	KENTS STORE FIRE DEPARTMENT -	2735645	3/24/2022	4/1/2022	1,247.75		
394	BFPE INTERNATIONAL	BLDGS EQUIP REP & MAINT	PUBLIC WORKS FIRE STATION 2	2741874	3/31/2022	4/15/2022	595.00		
395	BRAME SPECIALTY COMPANY, INC.	JANITORIAL SUPPLIES	PUBLIC WORKS SUPPLIES	7720227	3/24/2022	4/1/2022	331.50		
396	BRAME SPECIALTY COMPANY, INC.	JANITORIAL SUPPLIES	PUBLIC WORKS MATERIALS	7722046	3/31/2022	4/8/2022	180.60		
397	CAMPBELL EQUIPMENT, INC.	VEHICLE/POWER EQUIP	PUBLIC WORKS - MULE - 12" TUBE	FCPW102	3/16/2022	4/1/2022	22.00		
398	CAMPBELL EQUIPMENT, INC.	VEHICLE/POWER EQUIP	PUBLIC WORKS - MULE - TIRES	FCPW103	3/22/2022	4/1/2022	58.00		
399	CAMPBELL EQUIPMENT, INC.	VEHICLES REP & MAINT	PUBLIC WORKS PARTS	033122	3/31/2022	4/8/2022	30.00		
400	CAMPBELL EQUIPMENT, INC.	VEHICLES REP & MAINT	PUBLIC WORKS PARTS	040122	4/1/2022	4/8/2022	374.97		
401	COMMONWEALTH INTERIORS	BLDGS EQUIP REP & MAINT	PW- FURNISH AND INSTALL CARPET	2021-228	3/9/2022	4/22/2022	1,589.00		
402	FLUVANNA ACE HARDWARE	BLDGS EQUIP REP & MAINT	PUBLIC WORKS PARTS	033122	3/31/2022	4/8/2022	187.09		
403	FLUVANNA ACE HARDWARE	GENERAL MATERIALS AND	PUBLIC WORKS PARTS	033122	3/31/2022	4/8/2022	73.31		
404	GENSERV LLC	CONTRACT SERVICES	PUBLIC WORKS 3/15	4384	3/26/2022	4/1/2022	330.00		
405	GENSERV LLC	CONTRACT SERVICES	PUBLIC WORKS 3/14	4383	3/26/2022	4/1/2022	409.00		
406	GENSERV LLC	CONTRACT SERVICES	PUBLIC WORKS 3/9 - 3/10	4382	3/26/2022	4/1/2022	538.00		
407	GENSERV LLC	CONTRACT SERVICES	PUBLIC WORKS 3/7 - 3/14	4381	3/26/2022	4/1/2022	1,105.00		
408	HILL MANUFACTURING COMPANY INC	JANITORIAL SUPPLIES	FACILITIES- HILXO-X AREO, QT OF	116883	3/31/2022	4/22/2022	271.03		
409	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	1,989.35		
410	JONES AUTOMOTIVE/ALL STAR AUTO	VEHICLE/POWER EQUIP	PUBLIC WORKS PARTS	033122	3/31/2022	4/8/2022	846.61		
411	JONES AUTOMOTIVE/ALL STAR AUTO	VEHICLES REP & MAINT	PUBLIC WORKS PARTS	033122	3/31/2022	4/8/2022	703.42		
412	LANDSCAPE SUPPLY, INC.	AGRICULTURAL SUPPLIES	PUBLIC WORKS- PRODIAMINE 65	0876931-IN	4/18/2022	4/29/2022	250.00		
413	LOWE'S	BLDGS EQUIP REP & MAINT	PUBLIC WORKS MATERIALS	LOWES03252	3/25/2022	4/8/2022	1,675.73		
414	LOWE'S	GENERAL MATERIALS AND	PUBLIC WORKS MATERIALS	LOWES03252	3/25/2022	4/8/2022	16.41		
415	MCCARTHY TIRE SERVICE	VEHICLE/POWER EQUIP	FACILITIES- BACKHOE FLAT	041422APR	4/14/2022	4/29/2022	536.38		
416	MCMASTER-CARR SUPPLY COMPANY	BLDGS EQUIP REP & MAINT	PUBLIC WORKS- STEEL BOLTS, NUTS,	72010536	1/27/2022	4/29/2022	51.52		
417	MIDWEST MOTOR SUPPLY CO. INC.	GENERAL MATERIALS AND	PUBLIC WORKS MATERIALS	9734386	3/22/2022	4/1/2022	22.75		
418	MIDWEST MOTOR SUPPLY CO. INC.	GENERAL MATERIALS AND	PUBLIC WORKS MATERIALS	9738203	3/22/2022	4/1/2022	117.47		
419	MULTI SERVICE TECHNOLOGY	UNIFORM/WEARING APPAREL	PUBLIC WORKS- FOR	20220210079	2/10/2022	4/22/2022	297.59		
420	PIEDMONT POWER	VEHICLE/POWER EQUIP	PUBLIC WORK- KUBOTA TRACTOR	27464P	4/15/2022	4/29/2022	838.30		
421	RAINGUARD ROOFING LLC	BLDGS EQUIP REP & MAINT	COMMONWEALTH ATTORNEY'S	3630	3/8/2022	4/15/2022	925.00		
422	RIDGEVIEW NEW HOLLAND INC	GENERAL MATERIALS AND	GENERAL SERVICES- PART	C284518	4/13/2022	4/22/2022	69.69		

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423	RONALD BRAGG	CONTRACT SERVICES	PUBLIC WORKS- TREEWOR: C.	7314	4/25/2022	4/29/2022	900.00		
424	RUHLMAN'S HAULING	CONTRACT SERVICES	PW- PLEASANT GROVE SHOP/HAUL,	041322RH	4/13/2022	4/22/2022	364.08		
425	SHULL'S AUTOMOTIVE, INC.	VEHICLES REP & MAINT	FCPW - TWO LANDSCAPING TRAILER	002601	4/6/2022	4/15/2022	20.00		
426	SHULL'S AUTOMOTIVE, INC.	VEHICLES REP & MAINT	FCPW- 2004 TRAILER STATE INSPEC	002602	4/6/2022	4/15/2022	20.00		
427	SOUTHERN AIR, INC.	BLDGS EQUIP REP & MAINT	FC PROBATION OFFICE HVAC	817242	3/20/2022	4/15/2022	2,082.90		
428	STRAIGHTEDGE INC	CONTRACT SERVICES	PALMYRA FIRE & COMM. ATTORNEY	12887	3/29/2022	4/1/2022	1,000.00		
429	TIGER FUEL COMPANY	DIESEL FUEL (OFF ROAD VEH.)	NEW COURTHOUSE	53352	3/28/2022	4/1/2022	646.33		
430	UNIFIRST CORP	LAUNDRY AND DRY CLEANING	PUBLIC WORKS UNIFORM	STATEMENT	3/31/2022	4/8/2022	986.60		
431	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	484.56		
432	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	484.68		
433	W & H RESOURCES, INC	BLDGS EQUIP REP & MAINT	PUBLIC WORKS BATTERIES AND	38995	3/31/2022	4/15/2022	176.48		
434	W & H RESOURCES, INC	BLDGS EQUIP REP & MAINT	PLEASANT GROVE TRANSP-	38996	3/23/2022	4/15/2022	585.00		
435	W & H RESOURCES, INC	BLDGS EQUIP REP & MAINT	SOCIAL SERVICES/ ARTS CENTER-	39053	3/31/2022	4/22/2022	585.00		
436	WAYNE OXYGEN & WELDING SUPPLY	GENERAL MATERIALS AND	PUBLIC WORKS MAINTENANCE	865719	3/31/2022	4/8/2022	59.52		
437									
438									
								<b>Total:</b>	<b>\$30,833.22</b>
439	<b>GENERAL SERVICES</b>								
440	ALLIED PORTABLE TOILET	MAINTENANCE CONTRACTS	CARYSBROOK BASEBALL FIELD	A-192827	4/19/2022	4/22/2022	166.40		
441	ALLIED PORTABLE TOILET	MAINTENANCE CONTRACTS	PW- PLEASANT GROVE DOG PARK-	A-193041	4/19/2022	4/22/2022	166.40		
442	ALLIED PORTABLE TOILET	MAINTENANCE CONTRACTS	PLEASANT GROVE PORTABLE TOILET	A-193042	4/19/2022	4/22/2022	166.40		
443	AMERICAN PEST MANAGEMENT	MAINTENANCE CONTRACTS	PUBLIC WORKS- PEST CONTROL	7030416	4/11/2022	4/15/2022	604.90		
444	AMERICAN PEST MANAGEMENT	MAINTENANCE CONTRACTS	QUARTERLY PEST CONTROL -APRIL	7032035	4/4/2022	4/22/2022	109.25		
445	AQUA VIRGINIA, INC.	WATER SERVICES	REGISTRARS OFFICE- 213 MAIN ST	000797074	4/11/2022	4/15/2022	18.31		
446	AQUA VIRGINIA, INC.	WATER SERVICES	PUBLIC WORKS OFFICE- 197 MAIN ST	000792931	4/11/2022	4/15/2022	22.99		
447	AQUA VIRGINIA, INC.	WATER SERVICES	COMMONWEALTH ATT OFFICE-181	001530185	4/11/2022	4/15/2022	24.55		
448	AQUA VIRGINIA, INC.	WATER SERVICES	197 NORTH GREEN- HCH & 2 BLDGS	000792930	4/11/2022	4/15/2022	29.23		
449	AQUA VIRGINIA, INC.	WATER SERVICES	ADMIN OFFICE- 132 MAIN ST	000780010	4/11/2022	4/15/2022	104.28		
450	ARTHURS SEPTIC SERVICE	MAINTENANCE CONTRACTS	PUBLIC WORKS MAINTENANCE	030322	3/3/2022	4/8/2022	195.00		
451	ASHCRAFT TERMITE AND PEST	MAINTENANCE CONTRACTS	OLD STONE JAIL- ANNUAL TERMITE	041322APR2	4/13/2022	4/22/2022	85.00		
452	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	FC FIRE DEPT MONTHLY ELECTRIC	275907-	4/4/2022	4/15/2022	316.70		
453	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	160 COMMONS BLVD MONTHLY	033122APR	3/31/2022	4/15/2022	1,657.15		
454	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	LIBRARY MONTLY ELECTRIC	033122APR-	3/31/2022	4/15/2022	1,760.78		
455	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- 200A- FOR USE BY	105221-	4/18/2022	4/29/2022	30.40		
456	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE - ELECTRIC	105221-	4/18/2022	4/29/2022	30.40		
457	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- ELEC SERVICE-	105221-	4/18/2022	4/29/2022	30.40		
458	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE-ELEC SERVICE-	105221-	4/18/2022	4/29/2022	30.40		
459	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- ELEC SERVICE-	105221-	4/18/2022	4/29/2022	31.29		
460	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	HERITAGE FARM MUSEUM- 271	275904-	4/18/2022	4/29/2022	31.39		

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461	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- 400A- FOR USE BY	105221-	4/18/2022	4/29/2022	31.88		
462	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- POLE BARN- 271	275904-	4/18/2022	4/29/2022	31.88		
463	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- SOCCER FIELD-	105221-	4/18/2022	4/29/2022	40.49		
464	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	DOG KENNEL- W. RIVER RD	275904-	4/18/2022	4/29/2022	46.20		
465	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PUBLIC SAFETY- OUTLETS BEHIND	085473-	4/18/2022	4/29/2022	76.49		
466	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	REGISTRAR OFFICE - SUITE 115	85473-	4/18/2022	4/29/2022	132.96		
467	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	CONVENIENCE CENTER- LANDFILL-	275904-	4/18/2022	4/29/2022	136.81		
468	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	E911 TOWER- VFW HALL- 2977 RIVER	275904-	4/18/2022	4/29/2022	152.73		
469	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	REGISTRAR OFFICE - SUITE 116	85473-	4/18/2022	4/29/2022	159.39		
470	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	E911- COLUMBIA SCHOOL- 563	085473-	4/18/2022	4/29/2022	197.46		
471	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	E911 TOWER- LANDFILL- 11206 W	085473-	4/18/2022	4/29/2022	200.66		
472	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	E911 TOWER- PUBLIC SAFETY BLDG-	275904-	4/18/2022	4/29/2022	330.85		
473	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE HOUSE-271	275904-	4/18/2022	4/29/2022	392.85		
474	CENTRAL VA ELECTRIC COOP	STREET LIGHTS	PUBLIC SAFETY- STREET LIGHTS	085473-	4/18/2022	4/29/2022	67.98		
475	CENTURYLINK	TELECOMMUNICATIONS	FACILITIES- 13 LINES- ELEVATORS &	309363296AP	4/16/2022	4/29/2022	655.22		
476	CENTURYLINK	TELECOMMUNICATIONS	FACILITIES- PW EMERG LINE	309428096AP	4/16/2022	4/29/2022	57.50		
477	CENTURYLINK	TELECOMMUNICATIONS	FACILITIES- 72 MAIN ST. ALARM	309697981AP	4/16/2022	4/29/2022	71.14		
478	CENTURYLINK	TELECOMMUNICATIONS	FACILITIES- PERFORMING ARTS- MAIN	309898636AP	4/16/2022	4/29/2022	149.47		
479	CENTURYLINK	TELECOMMUNICATIONS	FACILITIES- CIRCUIT CT- PANIC	310338742AP	4/16/2022	4/29/2022	68.43		
480	CENTURYLINK	TELECOMMUNICATIONS	PALMYRA RESCUE SQUAD	310110229AP	4/16/2022	4/29/2022	232.56		
481	CINTAS	MAINTENANCE CONTRACTS	PUBLIC WORKS- SUPPLIES FOR	5103479050	4/11/2022	4/15/2022	268.03		
482	CINTAS	MAINTENANCE CONTRACTS	ADMIN- SERVICE AND SUPPLIES	8405648336	4/15/2022	4/22/2022	101.99		
483	CINTAS	MAINTENANCE CONTRACTS	PUBLIC WORKS- MAINT SHOP EYE	5104866498	4/20/2022	4/29/2022	140.36		
484	COMPUTER CABLING & TECHNOLOGY	MAINTENANCE CONTRACTS	MISS UTILITY APRIL 22	043022	4/30/2022	4/8/2022	160.00		
485	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	HOUSING OFFICE	114080009M	3/23/2022	4/1/2022	9.98		
486	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	211 MAIN ST	1284152509M	3/23/2022	4/1/2022	13.55		
487	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	OLD STONE JAIL	1424085007M	3/23/2022	4/1/2022	33.21		
488	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	IT OFFICE (COURT SQUARE)	1114097502M	3/23/2022	4/1/2022	50.74		
489	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	CELL TOWER @ FIRE STATION	5699060132M	3/23/2022	4/1/2022	50.74		
490	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	LARGE BASEBALLFIELD -	692200942M	3/23/2022	4/1/2022	60.20		
491	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PUBLIC WORKS OFFICE	1304130006M	3/23/2022	4/1/2022	79.02		
492	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	8880 JMH	7048771633M	3/23/2022	4/1/2022	82.93		
493	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	WEAVER BUILDING	1124090000M	3/23/2022	4/1/2022	85.67		
494	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	SMALL BASEBALLFIELD -	274195007M	3/23/2022	4/1/2022	102.70		
495	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	CELL TOWER @ BREMO RD	6260822157M	3/23/2022	4/1/2022	119.52		
496	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PUBLIC WORKS MAINTENANC SHOP	2554330007M	3/23/2022	4/1/2022	196.86		
497	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	LARGE BASEBALL FIELD - LIGHTS	3023889169M	3/23/2022	4/1/2022	198.57		
498	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	COMMONWEALTH ATTORNEY	6274752663M	3/23/2022	4/1/2022	246.04		

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499	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	FORK UNION FIRE STATION	4834680458M	3/23/2022	4/1/2022	246.94		
500	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PALMYRA FIRE STATION	1005898992M	3/23/2022	4/1/2022	265.16		
501	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PERFORMING ARTS CENTER	4144237502M	3/23/2022	4/1/2022	296.51		
502	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PALMYRA RESCUE SQUAD	4894115007M	3/23/2022	4/1/2022	309.91		
503	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	HISTORIC COURTHOUSE	1144090006M	3/23/2022	4/1/2022	592.47		
504	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	TREASURER'S OFFICE	1024205005M	3/23/2022	4/1/2022	624.26		
505	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	CARYSBROOK GYM & PUMP STATION	84297506-	3/23/2022	4/1/2022	683.31		
506	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	SOCIAL SERVICES BUILDING	74032509MA	3/23/2022	4/1/2022	827.56		
507	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	COMMUNITY CENTER & EXTENTION	4331888158M	3/23/2022	4/1/2022	1,029.68		
508	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	ADMIN BUILDING	1404067504M	3/23/2022	4/1/2022	1,034.02		
509	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	COURTS BUILDING	8895892548M	3/23/2022	4/1/2022	2,036.91		
510	DOMINION VIRGINIA POWER	STREET LIGHTS	FORK UNION STREET LIGHTS - NEAR	7080078962M	3/23/2022	4/1/2022	68.32		
511	DOMINION VIRGINIA POWER	STREET LIGHTS	FORK UNION STREET LIGHTS - NEAR	9609027314M	3/23/2022	4/1/2022	73.44		
512	DOMINION VIRGINIA POWER	STREET LIGHTS	COLUMBIA STREET LIGHTS	4210122349M	3/23/2022	4/1/2022	204.07		
513	DOMINION VIRGINIA POWER	STREET LIGHTS	PALMYRA VILLAGE STREET LIGHTS	3595578927M	3/23/2022	4/1/2022	476.35		
514	FORK UNION SANITARY DISTRICT	SEWER SERVICES	FLUCO REGISTRAR 211 MAIN STREET	201300-	4/15/2022	4/29/2022	10.00		
515	FORK UNION SANITARY DISTRICT	SEWER SERVICES	FLUVANNA PUBLIC WORKS 197 MAIN	201100-	4/15/2022	4/29/2022	13.83		
516	FORK UNION SANITARY DISTRICT	SEWER SERVICES	COMMONWEALTH ATTORNEY 181	201000-	4/15/2022	4/29/2022	16.12		
517	FORK UNION SANITARY DISTRICT	SEWER SERVICES	PUBLIC SAFETY BLDG 160 COMMONS	206000-	4/15/2022	4/29/2022	17.65		
518	FORK UNION SANITARY DISTRICT	SEWER SERVICES	FLUCO LIBRARY 214 COMMONS BLVD	206100-	4/15/2022	4/29/2022	17.65		
519	FORK UNION SANITARY DISTRICT	SEWER SERVICES	PLEASANT GROVE HOUSE 1730	206800-	4/15/2022	4/29/2022	17.65		
520	FORK UNION SANITARY DISTRICT	SEWER SERVICES	FLUVANNA ADMIN BLDG 132 MAIN	200300-	4/15/2022	4/29/2022	32.95		
521	FORK UNION SANITARY DISTRICT	SEWER SERVICES	FLUVANNA COURTS BLDG 72 MAIN	200200-	4/15/2022	4/29/2022	48.25		
522	FORK UNION SANITARY DISTRICT	WATER SERVICES	CARYSBROOK BASEBALL FIELD (GYM)	11259-	4/15/2022	4/29/2022	21.00		
523	FORK UNION SANITARY DISTRICT	WATER SERVICES	FLUVANNA GYM 8878 JAMES MADISON	11260-	4/15/2022	4/29/2022	21.00		
524	FORK UNION SANITARY DISTRICT	WATER SERVICES	CARYSBROOK SOFTBALL FIELD 8880	11266-	4/15/2022	4/29/2022	21.00		
525	FORK UNION SANITARY DISTRICT	WATER SERVICES	FLUVANNA COUNTY FORK UNION 5725	11120-	4/15/2022	4/29/2022	37.50		
526	FORK UNION SANITARY DISTRICT	WATER SERVICES	FLUVANNA COUNTY -FIRE HOUSE	11121-	4/15/2022	4/29/2022	69.40		
527	FORK UNION SANITARY DISTRICT	WATER SERVICES	CARYSBROOK BUILDING 8880 JAMES	11265-	4/15/2022	4/29/2022	347.70		
528	GENSERV LLC	MAINTENANCE CONTRACTS	PUBLIC WORKS 3/9 - 3/22	4380	3/26/2022	4/1/2022	4,100.00		
529	JEFFERSON CENTRE PROPERTIES	LEASE/RENT	APRIL FLUVANNA COUNTY RENT	040122	4/1/2022	4/1/2022	3,596.42		
530	REPUBLIC SERVICES #410	MAINTENANCE CONTRACTS	COUNTY WASTE PICK UP MONTHLY	0410-	3/31/2022	4/15/2022	365.70		
531	SHRED-IT USA LLC	LEASE/RENT	FSD MONTHLY SHRED	8001340067	4/3/2022	4/8/2022	172.00		
532	THE BLOSSMAN COMPANIES, INC.	HEATING SERVICES	CARYSBROOK GYM	20054957	4/1/2022	4/8/2022	377.83		
533	THE BLOSSMAN COMPANIES, INC.	HEATING SERVICES	COMMUNITY CENTER PROPANE	20195235	4/12/2022	4/15/2022	32.31		
534	THE BLOSSMAN COMPANIES, INC.	HEATING SERVICES	PROPANE LP FOR PALMYRA FIRE	20172309	4/13/2022	4/22/2022	2,937.88		
535	THE SUPPLY ROOM	LEASE/RENT	SUPPLY ROOM MONTHLY STATEMENT	5911930-	3/31/2022	4/8/2022	229.77		
536	THE SUPPLY ROOM	WATER SERVICES	SUPPLY ROOM MONTHLY STATEMENT	5911930-	3/31/2022	4/8/2022	472.14		



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537	TIGER FUEL COMPANY	HEATING SERVICES	CARYSBROOK MAINTANCE SHOP	53539	3/28/2022	4/1/2022	2,145.94		
538	TIGER FUEL COMPANY	HEATING SERVICES	HEATING OIL FOR CARYSBROOK MT	70440	4/14/2022	4/22/2022	802.71		
539	TIGER FUEL COMPANY	HEATING SERVICES	GENERAL SERVICES - HEATING OIL	70418	4/14/2022	4/22/2022	2,085.00		
540	VERIZON WIRELESS	MAINTENANCE CONTRACTS	FLUVANNA COUNTY MONTHLY	9902848704	3/27/2022	4/15/2022	150.45		
541	VIRGINIA UTILITY PROTECTION	MAINTENANCE CONTRACTS	GENERAL SERVICES UTILITIES	03220166	3/31/2022	4/8/2022	12.60		
542	W & H RESOURCES, INC	MAINTENANCE CONTRACTS	SOCIAL SERVICES/ ARTS ELEVATOR	38795	4/1/2022	4/15/2022	1,725.00		
543									
544									
						<b>Total:</b>	<b>\$39,511.04</b>		
545	<b>PUBLIC WORKS</b>								
546	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	PUBLIC WORKS- LEFT HANDED	1X37-PFWK-	4/26/2022	4/29/2022	23.99		
547	BANK OF AMERICA	CONVENTION AND EDUCATION	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	250.00		
548	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	128.34		
549	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	234.40		
550	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	121.14		
551	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	121.17		
552									
553									
						<b>Total:</b>	<b>\$879.04</b>		
554	<b>CONVENIENCE CENTER</b>								
555	BFI - FLUVANNA TRANSFER STATION	CONTRACT SERVICES	PUBLIC WORKS MONTHLY WASTE	4347-	3/31/2022	4/15/2022	7,599.27		
556	CAROLINA SOFTWARE	BLDGS EQUIP REP & MAINT	PUBLIC WORKS MAINTENANCE	82660	4/1/2022	4/8/2022	250.00		
557	CENTURYLINK	TELECOMMUNICATIONS	CONVENIENCE CENTER	310392717AP	4/16/2022	4/29/2022	91.96		
558	DRAPER ADEN ASSOCIATES	PROFESSIONAL SERVICES	REVIEWED GROUNDWATER	2022030511	3/31/2022	4/15/2022	3,900.00		
559	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	157.42		
560	REPUBLIC SERVICES #410	CONTRACT SERVICES	COUTNY LANDFILL WASTE PICK UP	0410-	3/31/2022	4/15/2022	8,087.50		
561	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	83.23		
562	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	81.90		
563									
564									
						<b>Total:</b>	<b>\$20,251.28</b>		
565	<b>PUBLIC UTILITIES</b>								
566	ARTHURS SEPTIC SERVICE	CONTRACT SERVICES	PUBLIC WORKS MAINTENANCE	030322	3/3/2022	4/8/2022	390.00		
567	BANK OF AMERICA	OUTSIDE ANALYTICAL	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	60.75		
568	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- DOG PARK WELL-	203061-	4/18/2022	4/29/2022	30.50		
569	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	PLEASANT GROVE- COMPETITION	105221-	4/18/2022	4/29/2022	94.78		
570	CENTURYLINK	TELECOMMUNICATIONS	PALMYRA WASTEWATER TREATMENT	309433290M	3/19/2022	4/1/2022	76.47		
571	CENTURYLINK	TELECOMMUNICATIONS	PALMYRA PUMP STATION ALARM	310089744M	3/19/2022	4/1/2022	57.77		
572	CENTURYLINK	TELECOMMUNICATIONS	PALMYRA WASTEWATER TREATMENT	309433290AP	4/19/2022	4/29/2022	81.74		
573	CENTURYLINK	TELECOMMUNICATIONS	PALMYRA- PUMP STATION ALARM	310089744AP	4/19/2022	4/29/2022	61.95		
574	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PUMP HOUSE-COURTS BUILDING	4501632147M	3/23/2022	4/1/2022	163.87		

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575	ENVIROCOMPLIANCE LAB	OUTSIDE ANALYTICAL	FC PUBLIC SCHOOLS- SERVICES,	R2361563	4/6/2022	4/15/2022	325.00		
576	INBODEN ENVIRONMENTAL SERVICES,	OUTSIDE ANALYTICAL	WASTEWATER MONITORING	75058	4/4/2022	4/15/2022	347.00		
577	INBODEN ENVIRONMENTAL SERVICES,	OUTSIDE ANALYTICAL	WASTEWATER MONITORING	75059	4/4/2022	4/15/2022	437.00		
578	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	918.28		
579	O.A.S.I.S.	CONTRACT SERVICES	WATER SERVICES FOR JAN-MARCH	236164	3/31/2022	4/15/2022	1,200.00		
580	UNIFIRST CORP	LAUNDRY AND DRY CLEANING	PUBLIC WORKS UNIFORM	STATEMENT	3/31/2022	4/8/2022	170.90		
581	UNIVAR USA, INC.	CHEMICAL SUPPLIES	CARYSBROOK WWTP- SOD BICARB	50157404	4/15/2022	4/22/2022	1,100.00		
582	UNIVAR USA, INC.	CHEMICAL SUPPLIES	FUSD- SOAD ASH LITE SYNTH BAG114	50160952	4/18/2022	4/29/2022	479.62		
583	USABBLUEBOOK	CHEMICAL SUPPLIES	PUBLIC UTILITIES- HACH MANGANESE	943726	4/12/2022	4/29/2022	194.86		
584	USABBLUEBOOK	GENERAL MATERIALS AND	PUBLIC WORKS SUPPLIES	911594	3/15/2022	4/1/2022	780.80		
585	USABBLUEBOOK	GENERAL MATERIALS AND	PUBLIC UTILIITES- PUMP AND	919314	3/22/2022	4/15/2022	288.14		
586	USABBLUEBOOK	GENERAL MATERIALS AND	PUBLIC UTILITIES- CHLORINE TEST	937412	4/6/2022	4/22/2022	87.01		
587	USABBLUEBOOK	GENERAL MATERIALS AND	PUBLIC UTILITIES-CHLORINE, SPEC	942384	4/12/2022	4/29/2022	1,301.01		
588	VERIZON BUSINESS/MCI COMM	TELECOMMUNICATIONS	MONTHLY BILL	05920249	3/25/2022	4/8/2022	17.75		
589	VERIZON BUSINESS/MCI COMM	TELECOMMUNICATIONS	MONTHLY BILL- PHONE SERVICES	06040562	4/25/2022	4/29/2022	17.78		
590	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	332.29		
591	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	332.33		
592	VIRGINIA UTILITY PROTECTION	DUES OR ASSOCIATION	FORK UNION SANT DIST-	03220220	3/31/2022	4/15/2022	37.80		
593						<b>Total:</b>	<b>\$9,385.40</b>		
594									
595	<b>AMERICAN RESCUE PLAN ACT</b>								
596	DEWBERRY ENGINEERS INC.	INFRASTRUCTURE	50110553 FLUVANNA A/E SRVS RFP	7089763	3/18/2022	4/1/2022	1,040.00		
597	DEWBERRY ENGINEERS INC.	INFRASTRUCTURE	FLUVANNA A/E SRVS RFP 2019-01,	2103338	4/19/2022	4/22/2022	1,325.00		
598	DEWBERRY ENGINEERS INC.	INFRASTRUCTURE	FLUVANNA A/E SRVS RFP 2019-01	2063491	1/22/2022	4/22/2022	11,623.00		
599	FORK UNION SANITARY DISTRICT	WATER SERVICES	10120 RENEE LEVEQUE-HAWKINS-	10120	4/20/2022	4/20/2022	0.89		
600	FORK UNION SANITARY DISTRICT	WATER SERVICES	11655 ROBERT BATES- ARPA	11655	4/20/2022	4/20/2022	0.89		
601	FORK UNION SANITARY DISTRICT	WATER SERVICES	10045 DEWITT LONG- ARPA	10045	4/20/2022	4/20/2022	18.75		
602	FORK UNION SANITARY DISTRICT	WATER SERVICES	11416 MIKE TOLLIVER- ARPA	11416	4/20/2022	4/20/2022	19.80		
603	FORK UNION SANITARY DISTRICT	WATER SERVICES	10875 TAMI MILLER- ARPA MUNICIPAL	10875	4/20/2022	4/20/2022	36.30		
604	FORK UNION SANITARY DISTRICT	WATER SERVICES	11315 MISTY-DAWN BROWN- ARPA	11315	4/20/2022	4/20/2022	45.80		
605	FORK UNION SANITARY DISTRICT	WATER SERVICES	10840 GENETTA WASHINGTON- ARPA	10840	4/20/2022	4/20/2022	56.26		
606	FORK UNION SANITARY DISTRICT	WATER SERVICES	11762 SYDNEY MEADOWS- ARPA	11762	4/20/2022	4/20/2022	94.48		
607	FORK UNION SANITARY DISTRICT	WATER SERVICES	11624 ROYNAL&ELSIE LEWIS- ARPA	11624	4/20/2022	4/20/2022	156.10		
608	FORK UNION SANITARY DISTRICT	WATER SERVICES	10685 OTIS LEWIS - - ARPA MUNICIPAL	10685	4/20/2022	4/20/2022	156.63		
609	FORK UNION SANITARY DISTRICT	WATER SERVICES	10815 DARRELL PALMER- ARPA	10815	4/20/2022	4/20/2022	205.42		
610	FORK UNION SANITARY DISTRICT	WATER SERVICES	11520 MARGARET P BANKS- ARPA	11520	4/20/2022	4/20/2022	220.82		
611	FORK UNION SANITARY DISTRICT	WATER SERVICES	10613 BOBBY J COLLIER- ARPA	10613	4/20/2022	4/20/2022	222.15		
612	FORK UNION SANITARY DISTRICT	WATER SERVICES	10730 OMARI DANIELS- ARPA	10730	4/20/2022	4/20/2022	226.90		

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613	FORK UNION SANITARY DISTRICT	WATER SERVICES	10465 LESLIE PATTERSON- ARPA	10465	4/20/2022	4/20/2022	230.39		
614	FORK UNION SANITARY DISTRICT	WATER SERVICES	10035 LORI STROTHER- ARPA	10035	4/20/2022	4/20/2022	246.65		
615	FORK UNION SANITARY DISTRICT	WATER SERVICES	11690 DANNY TINSLEY- ARPA	11690	4/20/2022	4/20/2022	247.18		
616	FORK UNION SANITARY DISTRICT	WATER SERVICES	10835 ARTHUR FEINER - ARPA	10835	4/20/2022	4/20/2022	261.97		
617	FORK UNION SANITARY DISTRICT	WATER SERVICES	10760 DEBBIE WOODS- ARPA	10760	4/20/2022	4/20/2022	269.86		
618	FORK UNION SANITARY DISTRICT	WATER SERVICES	10740 ASHLEY BROWN- ARPA	10740	4/20/2022	4/20/2022	306.03		
619	FORK UNION SANITARY DISTRICT	WATER SERVICES	10310 BARBARA TAYLOR- ARPA	10310	4/20/2022	4/20/2022	317.08		
620	FORK UNION SANITARY DISTRICT	WATER SERVICES	11762 STAR MONGOLD - ARPA	11762-1	4/20/2022	4/20/2022	365.06		
621	FORK UNION SANITARY DISTRICT	WATER SERVICES	10990 JOSHEPHINE GEDDIES- ARPA	10990	4/20/2022	4/20/2022	539.82		
622	FORK UNION SANITARY DISTRICT	WATER SERVICES	10955 CHERIE SANFORD- ARPA	10955	4/20/2022	4/20/2022	1,429.60		
623	FORK UNION SANITARY DISTRICT	WATER SERVICES	11170 BRIAN KINGSLEY- ARPA	11170	4/20/2022	4/20/2022	2,402.12		
624						<b>Total:</b>	<b>\$22,064.95</b>		
625									
626	<b>HEALTH</b>								
627	BLUE RIDGE HEALTH DISTRICT	CONTRACT SERVICES	FY22 4TH QUARTER ALLOCATION -	040122	4/1/2022	4/1/2022	69,471.00		
628						<b>Total:</b>	<b>\$69,471.00</b>		
629									
630	<b>VJCCCA</b>								
631	SATELLITE TRACKING OF PEOPLE LLC	PROFESSIONAL SERVICES	PAYMENT FOR FLUVANNA YOUTH	STPINV00102	3/31/2022	4/22/2022	27.90		
632						<b>Total:</b>	<b>\$27.90</b>		
633									
634	<b>CSA</b>								
635	BANK OF AMERICA	FOOD SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	3.58		
636	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	50.94		
637	CARAHSOFT TECHNOLOGY	PROFESSIONAL SERVICES	CSA- DOCUSIGN BUSINESS PRO	IN1146659	4/19/2022	4/29/2022	3,048.00		
638	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	30.38		
639	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	30.39		
640						<b>Total:</b>	<b>\$3,163.29</b>		
641									
642	<b>CSA PURCHASE OF SERVICES</b>								
643	1VISION MENTORING LLC	COMM SVCS		P0192520704	1/31/2022	4/22/2022	110.00		
644	1VISION MENTORING LLC	COMM SVCS		P0192520754	1/31/2022	4/22/2022	225.00		
645	1VISION MENTORING LLC	COMM SVCS		P0292520683	2/28/2022	4/22/2022	330.00		
646	1VISION MENTORING LLC	COMM SVCS		P1292520683	12/31/2021	4/22/2022	330.00		
647	1VISION MENTORING LLC	COMM SVCS		P0292520733	2/28/2022	4/22/2022	480.00		
648	1VISION MENTORING LLC	COMM SVCS		P0292520753	2/28/2022	4/22/2022	480.00		
649	1VISION MENTORING LLC	COMM SVCS		P0192520684	1/31/2022	4/22/2022	550.00		
650	1VISION MENTORING LLC	COMM SVCS		P0292520703	2/28/2022	4/22/2022	1,017.50		

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651	1VISION MENTORING LLC	COMM SVCS		P0192520734	1/31/2022	4/22/2022	1,050.00		
652	1VISION MENTORING LLC	COMM SVCS		P0392520706	3/31/2022	4/29/2022	522.50		
653	1VISION MENTORING LLC	FF4E-COMM SVCS		P0192520715	1/31/2022	4/22/2022	1,350.00		
654	1VISION MENTORING LLC	POS MANDATED WSS		P0192519512	1/31/2022	4/15/2022	715.00		
655	1VISION MENTORING LLC	POS MANDATED WSS		P0292520695	2/28/2022	4/22/2022	907.50		
656	AW	COMM SVCS		P0392519664	3/31/2022	4/22/2022	575.00		
657	ALLIED INSTRUCTIONAL SERVICES	POS MANDATED SPED-		P0392519968	3/31/2022	4/15/2022	225.00		
658	AMY Z. COBERT, M.A., CCC-SLP	POS MANDATED SPED-		P0392517144	3/31/2022	4/8/2022	540.00		
659	AK	COMM SVCS		P0992518947	9/30/2021	4/8/2022	165.00		
660	AK	COMM SVCS		P0992518957	9/30/2021	4/8/2022	330.00		
661	AK	COMM SVCS		P1092518940	10/31/2021	4/15/2022	770.00		
662	AK	COMM SVCS		P0192519850	1/31/2022	4/15/2022	935.00		
663	AK	COMM SVCS		P1192519856	11/30/2021	4/29/2022	165.00		
664	AK	COMM SVCS		P1192519866	11/23/2021	4/29/2022	275.00		
665	AK	COMM SVCS		P1292519855	12/31/2021	4/29/2022	495.00		
666	AK	COMM SVCS		P1192519846	11/23/2021	4/29/2022	605.00		
667	AM	POS MANDATED FFOP		P0392516911	3/31/2022	4/15/2022	735.00		
668	BELIEVE IN ME YOUTH & FAMILY	FF4E-COMM SVCS		P0392520567	3/31/2022	4/8/2022	2,000.00		
669	C.M. MENTORING SERVICES LLC	COMM SVCS		P0392520514	3/31/2022	4/8/2022	825.00		
670	C.M. MENTORING SERVICES LLC	COMM SVCS		P0392521594	3/22/2022	4/22/2022	2,255.00		
671	C.M. MENTORING SERVICES LLC	POS MANDATED WSS		P0392520948	3/31/2022	4/8/2022	1,100.00		
672	C.M. MENTORING SERVICES LLC	POS MANDATED WSS		P0292521432	2/28/2022	4/15/2022	165.00		
673	C.M. MENTORING SERVICES LLC	POS MANDATED WSS		P0392521432	3/31/2022	4/15/2022	1,045.00		
674	CARI COOK CHILD AND FAMILY	FF4E-COMM SVCS		P0192520793	1/31/2022	4/1/2022	260.00		
675	CARI COOK CHILD AND FAMILY	FF4E-COMM SVCS		P0292520793	2/28/2022	4/1/2022	455.00		
676	CARI COOK CHILD AND FAMILY	FF4E-COMM SVCS		P0392520793	3/31/2022	4/1/2022	455.00		
677	COUNSELING ALLIANCE OF VA, LLC	COMM SVCS		P0192520994	1/31/2022	4/8/2022	150.00		
678	COUNSELING ALLIANCE OF VA, LLC	COMM SVCS		P0292520999	2/28/2022	4/15/2022	300.00		
679	COUNSELING ALLIANCE OF VA, LLC	COMM SVCS		P0392520990	3/31/2022	4/15/2022	450.00		
680	DEPAUL COMMUNITY RESOURCES	POS MANDATED FFOP		P0392521281	3/31/2022	4/15/2022	6,594.00		
681	ELK HILL	POS MANDATED SPED-		P0792519323	7/31/2021	4/22/2022	3,635.52		
682	ELK HILL	POS MANDATED SPED-		P0292518682	2/28/2022	4/22/2022	4,317.18		
683	ELK HILL	POS MANDATED SPED-		P0392518683	3/31/2022	4/22/2022	4,998.84		
684	ELK HILL	POS MANDATED SPED-		P0192519322	1/31/2022	4/22/2022	5,396.61		
685	ELK HILL	POS MANDATED SPED-		P0392519323	3/31/2022	4/22/2022	7,916.59		
686	FAMILY FOCUS, INC.	COMM SVCS		P0192521062	1/31/2022	4/1/2022	2,964.50		
687	FAMILY FOCUS, INC.	COMM SVCS		P0292521062	2/28/2022	4/1/2022	5,120.50		
688	FLUVANNA DEPARTMENT OF SOCIAL	COMM SVCS		P0392521333	3/23/2022	4/1/2022	1,497.00		



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689	FLUVANNA DEPARTMENT OF SOCIAL	FF4E-COMM SVCS		P0392521403	3/24/2022	4/1/2022	1,000.00		
690	GRAFTON INTERGRATED HEALTH	POS MANDATED SPED-		P0792521354	7/31/2021	4/8/2022	4,930.00		
691	GRAFTON INTERGRATED HEALTH	POS MANDATED SPED-		P0892521354	8/31/2021	4/8/2022	5,502.00		
692	GRAFTON INTERGRATED HEALTH	POS MANDATED SPED-		P1092521354	10/31/2021	4/8/2022	6,831.00		
693	GRAFTON INTERGRATED HEALTH	POS MANDATED SPED-		P0192521355	1/31/2022	4/29/2022	4,805.00		
694	GRAFTON INTERGRATED HEALTH	POS MANDATED SPED-		P0992521355	9/30/2021	4/29/2022	5,281.00		
695	GRAFTON INTERGRATED HEALTH	POS MANDATED SPED-		P0292521355	2/28/2022	4/29/2022	5,923.00		
696	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P1292520298	12/31/2021	4/15/2022	2,950.00		
697	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P0192520298	1/31/2022	4/15/2022	4,425.00		
698	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P0292517758	2/28/2022	4/15/2022	5,900.00		
699	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P0292517768	2/28/2022	4/15/2022	5,900.00		
700	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P0292520298	2/28/2022	4/15/2022	5,900.00		
701	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P0392517758	3/31/2022	4/15/2022	6,490.00		
702	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P0392517769	3/31/2022	4/15/2022	6,490.00		
703	HEALTH CONNECT AMERICA, INC.	POS MANDATED SPED-		P0392520299	3/31/2022	4/15/2022	6,490.00		
704	INTERCEPT HEALTH	EDUC SVCS CONG CARE		P1292519791	12/31/2021	4/15/2022	3,326.56		
705	INTERCEPT HEALTH	EDUC SVCS CONG CARE		P0192519791	1/31/2022	4/15/2022	3,913.60		
706	INTERCEPT HEALTH	POS MANDATED FFOP		P0392521411	3/31/2022	4/15/2022	1,644.72		
707	LIVE OAK MENTORING LLC	COMM SVCS		P0192520972	1/31/2022	4/1/2022	1,100.00		
708	LIVE OAK MENTORING LLC	COMM SVCS		P0292520972	2/28/2022	4/1/2022	1,100.00		
709	LIVE OAK MENTORING LLC	COMM SVCS		P0392520093	3/31/2022	4/1/2022	1,100.00		
710	LIVE OAK MENTORING LLC	COMM SVCS		P0392520483	3/31/2022	4/1/2022	1,100.00		
711	LIVE OAK MENTORING LLC	COMM SVCS		P1292520972	12/31/2021	4/1/2022	1,100.00		
712	LIVE OAK MENTORING LLC	COMM SVCS		P0392521150	3/31/2022	4/15/2022	770.00		
713	LIVE OAK MENTORING LLC	COMM SVCS		P0392521124	3/31/2022	4/22/2022	550.00		
714	LIVE OAK MENTORING LLC	COMM SVCS		P0392521134	3/31/2022	4/22/2022	770.00		
715	LIVE OAK MENTORING LLC	COMM SVCS		P0392521604	3/31/2022	4/22/2022	1,155.00		
716	LIVE OAK MENTORING LLC	COMM SVCS		P0492521155	4/30/2022	4/29/2022	1,100.00		
717	LIVE OAK MENTORING LLC	NON-MAND COMM BASED		P0292520984	2/28/2022	4/1/2022	385.00		
718	LIVE OAK MENTORING LLC	NON-MAND COMM BASED		P1292520983	12/31/2021	4/1/2022	660.00		
719	LIVE OAK MENTORING LLC	NON-MAND COMM BASED		P0192520984	1/31/2022	4/1/2022	1,100.00		
720	LIVE OAK MENTORING LLC	NON-MAND COMM BASED		P0392520084	3/31/2022	4/1/2022	1,100.00		
721	LIVE OAK MENTORING LLC	NON-MAND COMM BASED		P0392521145	3/31/2022	4/22/2022	770.00		
722	LIVE OAK MENTORING LLC	POS MANDATED WSS		P0392520494	3/31/2022	4/1/2022	1,650.00		
723	LIVE OAK MENTORING LLC	POS MANDATED WSS		P0392520478	3/31/2022	4/8/2022	935.00		
724	NATIONAL COUNSELING GROUP	COMM SVCS		P0292520392	2/28/2022	4/1/2022	130.00		
725	NATIONAL COUNSELING GROUP	FF4E-COMM SVCS		P0292520783	2/28/2022	4/1/2022	1,267.50		
726	NATURAL STEPS LLC	COMM SVCS		P0392521365	3/31/2022	4/8/2022	280.00		

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727	NATURAL STEPS LLC	COMM SVCS		P0392521385	3/31/2022	4/8/2022	722.00		
728	NATURAL STEPS LLC	COMM SVCS		P0392521395	3/31/2022	4/8/2022	760.00		
729	NATURAL STEPS LLC	COMM SVCS		P0392521370	3/31/2022	4/15/2022	860.00		
730	PARACLETE THERAPEUTICS LLC	POS MANDATED WSS		P0392520222	3/31/2022	4/15/2022	1,800.00		
731	PEOPLE PLACES, INC.	COMM SVCS		P0392520534	3/31/2022	4/22/2022	475.00		
732	PEOPLE PLACES, INC.	POS MAND THER FC 4E		P0392520542	3/31/2022	4/15/2022	3,565.00		
733	PEOPLE PLACES, INC.	POS MANDATED WSS		P0392520522	3/31/2022	4/15/2022	1,250.00		
734	PEOPLE PLACES, INC.	TFC LIC. RES CONG CARE		P0392517971	3/31/2022	4/15/2022	496.00		
735	PEOPLE PLACES, INC.	TFC LIC. RES CONG CARE		P0392519412	3/31/2022	4/15/2022	672.00		
736	PEOPLE PLACES, INC.	TFC LIC. RES CONG CARE		P0392520552	3/31/2022	4/15/2022	3,565.00		
737	REGION TEN	COMM SVCS		P0192521540	1/31/2022	4/15/2022	326.50		
738	REGION TEN	COMM SVCS		P0292521549	2/28/2022	4/15/2022	326.50		
739	REGION TEN	COMM SVCS		P0392521530	3/31/2022	4/15/2022	326.50		
740	REGION TEN	COMM SVCS		P1292521549	12/31/2021	4/15/2022	326.50		
741	REGION TEN	COMM SVCS. TRANSITION		P0792521441	7/22/2021	4/15/2022	326.50		
742	REGION TEN	COMM SVCS. TRANSITION		P0792521451	7/31/2021	4/15/2022	326.50		
743	REGION TEN	COMM SVCS. TRANSITION		P0892521480	8/31/2021	4/15/2022	326.50		
744	REGION TEN	COMM SVCS. TRANSITION		P1292521491	12/31/2021	4/15/2022	326.50		
745	RIVERBEND INTEGRATIVE TRAUMA	COMM SVCS		P0792518110	7/31/2021	4/15/2022	37.50		
746	STEVEN WELSH, LPC	COMM SVCS		P0292519643	2/28/2022	4/22/2022	70.00		
747	THE CHOICE GROUP INC	POS MANDATED WSS		P0392520815	3/31/2022	4/22/2022	399.22		
748	THE FAISON CENTER, INC	POS MANDATED SPED-		P0392521589	3/31/2022	4/15/2022	328.00		
749	THE FAISON CENTER, INC	POS MANDATED SPED-		P0392517709	3/31/2022	4/15/2022	6,325.00		
750	THE FAISON CENTER, INC	POS MANDATED SPED-		P0292517678	2/28/2022	4/15/2022	9,607.25		
751	THE LAFAYETTE SCHOOL	POS MANDATED SPED-		P0392517779	3/31/2022	4/15/2022	5,700.00		
752	THE LAFAYETTE SCHOOL	POS MANDATED SPED-		P0392519379	3/31/2022	4/15/2022	6,600.00		
753	THE LAFAYETTE SCHOOL	POS MANDATED SPED-		P0392521563	3/31/2022	4/22/2022	300.00		
754	TH	POS MANDATED FFOP		P0392520923	3/22/2022	4/1/2022	1,316.48		
755	TH	POS MANDATED FFOP		P0392521347	3/31/2022	4/8/2022	538.56		
756	TH	POS MANDATED FFOP		P0292520927	2/28/2022	4/8/2022	728.75		
757	VM	POS MANDATED FFOP		P0392516937	3/31/2022	4/8/2022	735.00		
758	VM	POS MANDATED FFOP		P0392516927	3/31/2022	4/8/2022	1,407.00		
759	VM	POS MANDATED FFOP		P0392520417	3/31/2022	4/8/2022	2,016.00		
760	XTRA MILE, LLC	COMM SVCS		P0392520665	3/31/2022	4/8/2022	250.00		
761	XTRA MILE, LLC	COMM SVCS		P0392521205	3/31/2022	4/8/2022	400.00		
762	XTRA MILE, LLC	COMM SVCS		P0392520445	3/31/2022	4/8/2022	750.00		
763	XTRA MILE, LLC	COMM SVCS		P0392521185	3/31/2022	4/8/2022	750.00		
764	XTRA MILE, LLC	COMM SVCS		P0392521255	3/31/2022	4/8/2022	750.00		

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765	XTRA MILE, LLC	COMM SVCS		P0392520115	3/31/2022	4/8/2022	1,000.00		
766	XTRA MILE, LLC	COMM SVCS		P0392520336	3/31/2022	4/8/2022	1,000.00		
767	XTRA MILE, LLC	COMM SVCS		P0392520346	3/31/2022	4/8/2022	1,000.00		
768	XTRA MILE, LLC	COMM SVCS		P0392520435	3/31/2022	4/8/2022	1,000.00		
769	XTRA MILE, LLC	COMM SVCS		P0392520456	3/31/2022	4/8/2022	1,000.00		
770	XTRA MILE, LLC	COMM SVCS		P0392520646	3/31/2022	4/8/2022	1,000.00		
771	XTRA MILE, LLC	COMM SVCS		P0392521216	3/31/2022	4/8/2022	1,000.00		
772	XTRA MILE, LLC	COMM SVCS		P0392521236	3/31/2022	4/8/2022	1,000.00		
773	XTRA MILE, LLC	COMM SVCS		P0392520126	3/31/2022	4/8/2022	1,250.00		
774	XTRA MILE, LLC	COMM SVCS		P0392520136	3/31/2022	4/8/2022	1,250.00		
775	XTRA MILE, LLC	COMM SVCS		P0392520916	3/31/2022	4/8/2022	1,250.00		
776	XTRA MILE, LLC	COMM SVCS		P0392521176	3/31/2022	4/8/2022	1,250.00		
777	XTRA MILE, LLC	COMM SVCS		P0392520427	3/31/2022	4/8/2022	1,500.00		
778	XTRA MILE, LLC	COMM SVCS		P0392521197	3/31/2022	4/8/2022	1,500.00		
779	XTRA MILE, LLC	COMM SVCS		P0292521089	2/28/2022	4/15/2022	1,500.00		
780	XTRA MILE, LLC	COMM SVCS		P0392521090	3/31/2022	4/15/2022	1,500.00		
781	XTRA MILE, LLC	COMM SVCS		P0392520655	3/31/2022	4/22/2022	1,000.00		
782	XTRA MILE, LLC	FF4E-COMM SVCS		P0392521221	3/31/2022	4/15/2022	1,350.00		
783						<b>Total:</b>	<b>\$248,743.38</b>		
784									
785	<b>PARKS &amp; RECREATION</b>								
786	AMAZON CAPITAL SERVICES	RECREATIONAL SUPPLIES	PARKS AND REC MATERIALS	1YNR-HVKT-	3/31/2022	4/8/2022	72.99		
787	AMAZON CAPITAL SERVICES	RECREATIONAL SUPPLIES	PARKS AND REC- T BALL BAT	11NL-Y6P4-	4/12/2022	4/22/2022	30.00		
788	AUTOMATED OFFICE SYSTEMS	LEASE/RENT	PARKS AND REC MATERIALS	099491	3/30/2022	4/8/2022	30.72		
789	AUTOMATED OFFICE SYSTEMS	LEASE/RENT	PARKS AND REC MATERIALS	099492	3/30/2022	4/8/2022	129.00		
790	BANK OF AMERICA	RECREATIONAL SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	910.00		
791	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	34.46		
792	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	138.25		
793	CENTURYLINK	TELECOMMUNICATIONS	PARKS AND REC MONTHLY BILL	309373828-	3/16/2022	4/1/2022	58.10		
794	CINTAS	CONTRACT SERVICES	FC PARKS AND REC- GYM AND	5103479090	4/11/2022	4/15/2022	50.95		
795	E.W. THOMAS	RECREATIONAL SUPPLIES	PARKS AND REC- MERCHANDISE TO	033122APR	3/30/2022	4/22/2022	19.23		
796	HEATHER ANTONACCI	PROFESSIONAL SERVICES	HORSEBACK RIDING CLASS 3/5-3/26	9-22	3/28/2022	4/1/2022	266.00		
797	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	674.15		
798	LIPSCOMB	SITE IMPROVEMENTS	SOFTBALL FIELD REPAIRS	2282	3/11/2022	4/1/2022	1,915.00		
799	MOJOHNS, INC.	CONTRACT SERVICES	PARKS AND REC SERVICES, RENTAL	155562	4/1/2022	4/8/2022	46.13		
800	MOJOHNS, INC.	CONTRACT SERVICES	PARKS AND REC SERVICES, RENTAL	155564	4/1/2022	4/8/2022	73.23		
801	MOJOHNS, INC.	CONTRACT SERVICES	PARKS AND REC SERVICES, RENTAL	155561	4/1/2022	4/8/2022	80.00		
802	MOJOHNS, INC.	CONTRACT SERVICES	PARKS AND REC SERVICES, RENTAL	155565	4/1/2022	4/8/2022	80.00		

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803	MOJOHNS, INC.	CONTRACT SERVICES	PARKS AND REC SERVICES, RENTAL	155563	4/1/2022	4/8/2022	82.26		
804	SAMS CLUB	RECREATIONAL SUPPLIES	PARKS AND REC- EASTER EVENT	040922SAMS	4/9/2022	4/15/2022	148.74		
805	SAM'S CLUB	RECREATIONAL SUPPLIES	PARKS AND REC SUPPLIES	040522	4/5/2022	4/8/2022	142.13		
806	THE NATURAL GARDEN, INC.	RECREATIONAL SUPPLIES	BOTANICAL PLANTS	NG041122	4/11/2022	4/15/2022	378.00		
807	VERIZON BUSINESS/MCI COMM	TELECOMMUNICATIONS	MONTHLY BILL	05920249	3/25/2022	4/8/2022	17.77		
808	VERIZON BUSINESS/MCI COMM	TELECOMMUNICATIONS	MONTHLY BILL- PHONE SERVICES	06040562	4/25/2022	4/29/2022	17.78		
809	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	201.90		
810	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	201.95		
811	VIRGINIA RECREATION & PARK	RECREATIONAL SUPPLIES	14 KINGS DOMINION TICKETS-MARCH	39881	3/14/2022	4/29/2022	532.00		
812								<b>Total:</b>	<b>\$6,330.74</b>
813									
814	<b>LIBRARY</b>								
815	AMAZON.COM	BOOKS/PUBLICATIONS	LIBRARY ADDITIONS	60457878101	3/10/2022	4/1/2022	7,872.41		
816	AMAZON.COM	BOOKS/PUBLICATIONS	FLUVANNA LIBRARY- 2/24-4/7/22	041022APR	4/10/2022	4/22/2022	8,814.76		
817	AMAZON.COM	OFFICE SUPPLIES	LIBRARY ADDITIONS	60457878101	3/10/2022	4/1/2022	366.25		
818	AMAZON.COM	OFFICE SUPPLIES	FLUVANNA LIBRARY- 2/24-4/7/22	041022APR	4/10/2022	4/22/2022	732.43		
819	BANK OF AMERICA	DUES OR ASSOCIATION	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	55.00		
820	CENTURYLINK	TELECOMMUNICATIONS	FC LIBRARY- LONG DISTANCE	288383996	4/1/2022	4/15/2022	407.47		
821	DEMCO INC	OFFICE SUPPLIES	FC LIBRARY- BOOK POCKET HIGH	7105034	3/29/2022	4/15/2022	93.33		
822	EPSON	OFFICE SUPPLIES	LIBRARY MATERIALS	SINV0027586	3/28/2022	4/8/2022	459.19		
823	OVERDRIVE	BOOKS/PUBLICATIONS	LIBRARY ADDITIONS	03100DA2209	3/25/2022	4/1/2022	10.99		
824	OVERDRIVE	BOOKS/PUBLICATIONS	LIBRARY ADDITIONS	03100DA2209	3/22/2022	4/1/2022	128.96		
825	OVERDRIVE	BOOKS/PUBLICATIONS	LIBRARY ADDITIONS	03100DA2208	3/15/2022	4/1/2022	572.49		
826	OVERDRIVE	BOOKS/PUBLICATIONS	LIBRARY ADDITIONS	03100CO220	3/11/2022	4/1/2022	1,292.73		
827	OVERDRIVE	BOOKS/PUBLICATIONS	LIBRARY ADDITIONS	03100CO220	3/11/2022	4/1/2022	1,619.47		
828	OVERDRIVE	BOOKS/PUBLICATIONS	LIBRARY ADDITION	03100DA2210	3/29/2022	4/8/2022	62.14		
829	SHOWCASES	OFFICE SUPPLIES	LIBRARY - ADDITIONS	322923	3/9/2022	4/1/2022	476.28		
830	THE LIBRARY CORPORATION	MAINTENANCE CONTRACTS	LIBRARY SUBSCRIPTION 07/22-06/23	2022060098	3/18/2022	4/8/2022	567.00		
831								<b>Total:</b>	<b>\$23,530.90</b>
832									
833	<b>COUNTY PLANNER</b>								
834	BANK OF AMERICA	OFFICE SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	115.43		
835	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	234.40		
836	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	252.45		
837	FLUVANNA REVIEW	ADVERTISING	PLANNING COMMISSION AD	2022F13-8	3/31/2022	4/8/2022	143.75		
838	FLUVANNA REVIEW	ADVERTISING	COUNTY PLANNING COMMISSION -	2022F14-11	4/7/2022	4/15/2022	143.75		
839	JAMES RIVER PETROLEUM	VEHICLE FUEL	MONTHLY MARCH COST OF FUEL	041122MARC	4/11/2022	4/22/2022	204.64		
840	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	80.76		



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841	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	80.78		
842								<b>Total:</b>	<b>\$1,255.96</b>
843									
844	<b>ECONOMIC DEVELOPMENT</b>								
845	BANK OF AMERICA	CONVENTION AND EDUCATION	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	375.00		
846	BANK OF AMERICA	MARKETING	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	119.99		
847	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	21.85		
848	BANK OF AMERICA	OTHER OPERATING SUPPLIES	PURCHASING CARD 3/1-3/31/22	033122MAR	3/31/2022	4/22/2022	100.91		
849	CANON FINANCIAL SERVICES, INC.	LEASE/RENT	MONTHLY COPIER SERVICES BILL	28398256	4/12/2022	4/29/2022	50.94		
850	ECONOMIC DEVELOPMENT OF	FLU ECO DEV AUTHORITY	REIMBURSEMENT	031122	3/11/2022	4/8/2022	210.00		
851	ECONOMIC DEVELOPMENT OF	FLU ECO DEV AUTHORITY	FY22 ALLOTMENT	031122-2	3/11/2022	4/8/2022	1,000.00		
852	VERIZON WIRELESS	TELECOMMUNICATIONS	MONTHLY BILL FOR COUNTY DEPTS	9904548411	4/19/2022	4/29/2022	40.38		
853	VERIZON	TELECOMMUNICATIONS	COUNTY USAGE BILL	9902224788	3/19/2022	4/1/2022	40.39		
854								<b>Total:</b>	<b>\$1,959.46</b>
855									
856	<b>VA COOPERATIVE EXTENSION</b>								
857	KIMBERLY MAYO	OTHER OPERATING SUPPLIES	REIMBURSMENT FOR SUPPLIES	040122KM	4/1/2022	4/8/2022	86.02		
858	VIRGINIA COOPERATIVE EXTENSION	CONTRACT SERVICES	VCE: BILLING SALARY FY22 3RD QTR	202203	4/20/2022	4/29/2022	17,852.14		
859								<b>Total:</b>	<b>\$17,938.16</b>
860									
861	<b>NON PROFITS</b>								
862	CHILD HEALTH PARTNERSHIP, INC.	CHILD HEALTH PARTNERSHIP	FY22 4TH QTR ALLOCATION	040122	4/1/2022	4/1/2022	13,265.00		
863	JAUNT, INC.	JAUNT	FY22 4TH QTR ALLOCATION	040122	4/1/2022	4/1/2022	21,250.00		
864	JEFFERSON AREA BOARD FOR AGING	JEFFERSON AREA	FY22 4TH QTR ALLOCATION	040122	4/1/2022	4/1/2022	21,250.00		
865	MONTICELLO AREA COMMUNITY	MACAA	FY22 4TH QTR ALLOCATION	040122	4/1/2022	4/1/2022	12,750.00		
866	PIEDMONT VIRGINIA COMMUNITY	PIEDMONT VA. COMM.	LOCAL CONTRIBUTION TO	FY22-238	4/20/2022	4/29/2022	7,179.00		
867	REGION TEN	REGION TEN COMMUNITY	FY22 4TH QTR ALLOCATION	040122	4/1/2022	4/1/2022	32,250.00		
868	THOMAS JEFFERSON PLANNING	T J PLANNING DIST. COMM.	FY22 4TH QTR ALLOCATION	040122	4/1/2022	4/1/2022	8,711.25		
869								<b>Total:</b>	<b>\$116,655.25</b>
870									
871									
					<b>100 GENERAL FUND</b>	<b>Fund Total:</b>			<b>\$1,445,944.96</b>
872	<b>Fund # - 302 CAPITAL IMPROVEMENT</b>								
873	<b>PUBLIC SAFETY CAPITAL PROJ</b>								
874	EAST COAST EMERGENCY VEHICLES	VEHICLE	FCSD CAR 1 - CIP	29721	3/24/2022	4/1/2022	6,771.30		
875	EAST COAST EMERGENCY VEHICLES	VEHICLE	CIP FY22	29735	3/25/2022	4/1/2022	7,853.44		
876	KUSTOM SIGNALS, INC.	VEHICLE	SHERIFF'S OFFICE- EAGLE IIX,	592863	3/31/2022	4/15/2022	3,328.00		
877								<b>Total:</b>	<b>\$17,952.74</b>
878									

	A	B	C	D	F	G	H	I	J
1	<b>County of Fluvanna</b>			<b>From Date: 4/1/2022</b>					
2	<b>Accounts Payable List</b>			<b>To Date: 4/30/2022</b>					
4	<b>Vendor Name</b>	<b>Charge To</b>	<b>Description</b>	<b>Invoice</b>	<b>Invoice Date</b>	<b>Check Date</b>	<b>Check Amount</b>		
879	<b>FACILITIES CAP PROJ</b>								
880	BUDGET ELECTRICAL & MECHANICAL,	CONTRACT SERVICES	FACILITIES- REMOVED DAMAGED	2908	4/18/2022	4/22/2022	2,062.20		
881	MTFA ARCHITECTURE	CONTRACT SERVICES	FACILITIES- 21044 FLUVANNA COUNTY	21044-01	4/15/2022	4/29/2022	12,300.02		
882	SHADE EQUIPMENT COMPANY INC	MACHINERY AND EQUIPMENT	SCAG ZERO TURN	318700	3/29/2022	4/8/2022	24,904.00		
883								<b>Total:</b>	<b>\$39,266.22</b>
884									
885	<b>SCHOOL OPS &amp; MAINT CAP PROJ</b>								
886	ALUMINUM ATHLETIC EQUIPMENT CO.	CONTRACT SERVICES	FY22 CRM-FCHS TRACK/ FIELD EQ-	INV-109426	3/19/2022	4/29/2022	9,035.00		
887	NEW CANTON PLACING & FINISHING,	CONTRACT SERVICES	FCPS- FY2022 CRM- WEST CENTRAL	040622APR	4/6/2022	4/22/2022	13,904.00		
888	VARSITY BRANDS HOLDING CO.,INC.	CONTRACT SERVICES	FY22 CRM- FCHS TRACK & FIELD EQ-	916654044	4/5/2022	4/29/2022	16,723.00		
889								<b>Total:</b>	<b>\$39,662.00</b>
890									
891									
					<b>302 CAPITAL IMPROVEMENT</b>			<b>Fund Total:</b>	<b>\$96,880.96</b>
892	<b>Fund # - 502 SEWER</b>								
893	<b>PALMYRA SEWER OPER EXPENSES</b>								
894	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PALMYRA SEWAGE PUMP STATION	7712348080M	3/23/2022	4/1/2022	55.24		
895	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	PALMYRA AREA WWTP	1729524547M	3/23/2022	4/1/2022	1,001.50		
896	INBODEN ENVIRONMENTAL SERVICES,	OUTSIDE ANALYTICAL	WASTEWATER MONITORING	75057	4/4/2022	4/15/2022	447.00		
897	O.A.S.I.S.	CONTRACT SERVICES	WATER SERVICES FOR JAN-MARCH	236164	3/31/2022	4/15/2022	2,325.00		
898								<b>Total:</b>	<b>\$3,828.74</b>
899									
900									
						<b>502 SEWER</b>		<b>Fund Total:</b>	<b>\$3,828.74</b>
901	<b>Fund # - 505 FORK UNION SANITARY DISTRICT</b>								
902	<b>FORK UNION SANITARY DISTRICT</b>								
903	USDA RURAL DEVELOPMENT	RDA BOND PAYABLE	FUSD DEBT SERVICE	042522	4/25/2022	4/25/2022	4,025.25		
904								<b>Total:</b>	<b>\$4,025.25</b>
905									
906	<b>FUSD OPERATIONAL EXPENSES</b>								
907	CENTURYLINK	TELECOMMUNICATIONS	FUSD- SANITARY DISTRICT- OFFICE-	309719161AP	4/16/2022	4/29/2022	261.24		
908	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	OWENS WELL	9004200003M	3/23/2022	4/1/2022	86.70		
909	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	MELTON WELL - RT 15	9594215007-	3/23/2022	4/1/2022	170.91		
910	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	BREMO WELL - RT 666	179.42	3/23/2022	4/1/2022	179.42		
911	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	FUSD OFFICE	8866300000M	3/23/2022	4/1/2022	305.67		
912	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	OMUHUNDRO WELL	9346182505-	3/23/2022	4/1/2022	836.97		
913	DOMINION VIRGINIA POWER	ELECTRICAL SERVICES	MORRIS WELL / WTP	9501772108M	3/23/2022	4/1/2022	873.22		
914	E.W. OWEN	LEASE/RENT	WELL RENT	04012022	4/1/2022	4/1/2022	150.00		
915	E.W. OWEN	LEASE/RENT	PUBLIC WORKS- WELL RENT G/L	05012022	4/26/2022	4/29/2022	150.00		
916	MOJOHNS, INC.	PURCHASE OF SERVICES	FC WASTE WATER- PORTABLE	155552	4/1/2022	4/15/2022	70.00		

	A	B	C	D	F	G	H	I	J
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4	<b>Vendor Name</b>	<b>Charge To</b>	<b>Description</b>	<b>Invoice</b>	<b>Invoice Date</b>	<b>Check Date</b>	<b>Check Amount</b>		
917	MOJOHNS, INC.	PURCHASE OF SERVICES	FLUVANNA COUNTY WASTEWATER-	155726	4/1/2022	4/22/2022	80.00		
918	REPUBLIC SERVICES #410	BLDGS EQUIP REP & MAINT	PUBLIC WORKS TRASH SERVICE -	0410-	2/28/2022	4/8/2022	216.31		
919	REPUBLIC SERVICES #410	BLDGS EQUIP REP & MAINT	FORK UNION SANITARY WASTE PICK	0410-	3/31/2022	4/15/2022	235.50		
920	SCHNEIDER LABRATORIES INC	PURCHASE OF SERVICES	FORK UNION SANT DISTRICT CHEM	465305	3/23/2022	4/15/2022	33.00		
921	USDA RURAL DEVELOPMENT	REDEMPTION OF INTEREST	FUSD DEBT SERVICE	042522	4/25/2022	4/25/2022	934.75		
922	VA INFORMATION TECHNOLOGIES	TELECOMMUNICATIONS	VITA STATEMENT	T447495	4/1/2022	4/8/2022	86.62		
923						<b>Total:</b>	<b>\$4,670.31</b>		
924									
925									
					<b>505 FORK UNION SANITARY</b>	<b>Fund Total:</b>	<b>\$8,695.56</b>		
926	<b>Fund # - 510 ZION XR WATER &amp; SEWER</b>								
927	<b>ZION XR W&amp;S EXPENSES</b>								
928	CB & I LLC (SPS DIVISION)	CONSTRUCTION	CONTRACT 374212351- 500 M	212351-15	2/25/2022	4/29/2022	47,404.95		
929	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	WWPS-JAMES MADISON HWY (ZXCR)	275904-	3/31/2022	4/15/2022	395.00		
930	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	WWPS-RICHMOND (PRISON BOOSTER	275904-	3/31/2022	4/15/2022	484.13		
931	CENTRAL VA ELECTRIC COOP	ELECTRICAL SERVICES	WATER TANK-JAMES MADISON HWY	275904-	3/31/2022	4/15/2022	585.88		
932	DEWBERRY ENGINEERS INC.	PROFESSIONAL SERVICES	50110553 FLUVANNA A/E SRVS RFP	2089725	3/25/2022	4/1/2022	1,127.50		
933	DEWBERRY ENGINEERS INC.	PROFESSIONAL SERVICES	50110553 FLUVANNA A/E SRVS RFP	2089723	3/25/2022	4/1/2022	2,093.00		
934	DEWBERRY ENGINEERS INC.	PROFESSIONAL SERVICES	50110553 FLUVANNA A/E SRVS RFP	2094159	3/25/2022	4/1/2022	3,020.75		
935	DEWBERRY ENGINEERS INC.	PROFESSIONAL SERVICES	50110553 FLUVANNA A/E SRVS RFP	2094158	3/25/2022	4/1/2022	3,125.50		
936	DEWBERRY ENGINEERS INC.	PROFESSIONAL SERVICES	50110553 FLUVANNA A/E SRVS RFP	2089727	3/18/2022	4/1/2022	3,920.00		
937	DEWBERRY ENGINEERS INC.	PROFESSIONAL SERVICES	50110553 FLUVANNA A/E SRVS RFP	7089729	3/25/2022	4/1/2022	5,502.64		
938	DEWBERRY ENGINEERS INC.	PROFESSIONAL SERVICES	FLUVANNA A/E SRVS RFP 2019-01	2063463	1/28/2022	4/8/2022	7,706.78		
939	HOOVER PENROD PLC	COUNTY ATTY LEGAL-	AG DILLARD CH 11 BANKRUPTCY	040722APR	4/7/2022	4/15/2022	8,193.00		
940	PAYNE & HODOUS, LLC.	COUNTY ATTY LEGAL- REAL	COUNTY ATTY SERVICES	152775	4/1/2022	4/8/2022	76.50		
941						<b>Total:</b>	<b>\$83,635.63</b>		
942									
943									
					<b>510 ZION XR WATER &amp; SEWER</b>	<b>Fund Total:</b>	<b>\$83,635.63</b>		
944						<b>Total Expenditures by Fund:</b>	<b>\$1,638,985.85</b>		

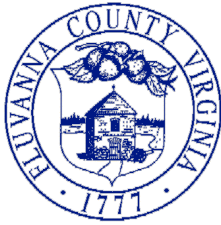




**FLUVANNA COUNTY BOARD OF SUPERVISORS  
MEETING PACKAGE ATTACHMENTS**

Incl?	Item
<input checked="" type="checkbox"/>	BOS Contingency Balance Report
<input type="checkbox"/>	Building Inspections Report
<input checked="" type="checkbox"/>	Capital Reserve Balances Memo
<input type="checkbox"/>	CARES Fund Balance Memo
<input type="checkbox"/>	Fluvanna County Bank Balance and Investment Report
<input checked="" type="checkbox"/>	Unassigned Fund Balance Report
<input checked="" type="checkbox"/>	VDOT Monthly Report & 2020 Resurfacing List
<input checked="" type="checkbox"/>	ARPA Fund Balance Memo
<input type="checkbox"/>	American Rescue Plan Act - Fact Sheet
<input type="checkbox"/>	American Rescue Plan Act - FAQs
<input type="checkbox"/>	





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# COUNTY OF FLUVANNA

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*"Responsive & Responsible Government"*

BOS2022-05-18 p.295/306  
P.O. Box 540  
Palmyra, VA 22963  
(434) 591-1910  
Fax (434) 591-1911  
www.fluvannacounty.org

## MEMORANDUM

**Date:** May 18, 2022  
**From:** Tori Melton – Management Analyst  
**To:** Board of Supervisors  
**Subject:** FY22 BOS Contingency Balance

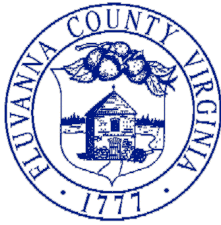
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The FY22 BOS Contingency line balance is as follows:

<b>Beginning Original Budget:</b>	<b>\$163,898</b>
Less: Compensation Study – 11.17.21	-\$37,000
Less: Blue Ridge Cigarette Tax Board Startup Cost – 11.17.21	-\$17,218
Less: Tyler Technologies, Inc. Merchant Services Contract – 01.12.22	-1,368
Less: Carysbrook Softball Field Lighting	-9,000
Less: FY22 Kent Store ARC Funding Request	-3,600
<b>Available:</b>	<b>\$95,712</b>







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## MEMORANDUM

**Date:** May 18, 2022  
**From:** Tori Melton – Management Analyst  
**To:** Board of Supervisors  
**Subject:** FY22 Capital Reserve Balances

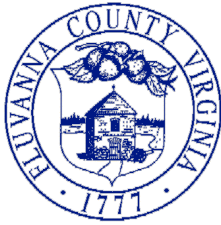
The FY22 Capital Reserve account balances are as follows:

### County Capital Reserve:

FY21 Carryover	\$387,085
FY22 Budget Allocation:	\$200,000
<b>Total FY22 Budget:</b>	<b>\$587,085</b>
Add: Closed CRM Project – 06/30/2021	\$155
Less: Courts Building Sally Port Door – 08.04.21	-\$7,185
Less: Courts Building Replacement of Leaking Water Lines 09.01.21	-17,418
Less: Pleasant Grove House HVAC Replacement 09.01.21	-6,975
Less: Bobcat Skid Steer Repairs 10.20.21	-6,443
Less: Various Damages from the January 2022 Snow Storm	-7,456
Less: Public Works Maintenance Shop Generator	-6,455
Less: Generator Repair Fork Union and Palmyra Fire Stations	-13,090
Less: Grinding of Additional Storm Damage Brush	-9,700
<b>FY22 Available:</b>	<b>\$512,518</b>

**Schools Capital Reserve:**

FY21 Carryover	\$330,159
FY22 Budget Allocation:	\$200,000
<b>Total FY22 Budget:</b>	<b>\$530,159</b>
Add: Closed CRM Project – 06/30/2021	\$1,096
Less: FCHS HVAC Chiller Descaling and Cleaning 09.15.21	-27,700
Less: FMS Repair Leaking Flush Panels 11.03.21	-64,700
Less: Central and West Central Elementary Sidewalk Repair 11.03.21	-15,000
Less: Replace Track & Field Equipment	-29,155
Less: HVAC Fan & Motor Assembly at Carrysbrook Elementary 04.20.22	-7,100
<b>FY22 Available:</b>	<b>\$387,600</b>



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## MEMORANDUM

**Date:** May 18, 2022  
**From:** Tori Melton – Management Analyst  
**To:** Board of Supervisors  
**Subject:** Unassigned Fund Balance

<b>FY21 Year End Audited Total Unassigned Fund Balance:</b>	<b>\$24,035,309</b>
<b>Unassigned Fund Balance – 12% Target Per Policy:</b>	<b>\$9,959,654</b>
<b>Unassigned Fund Balance – Excess Above Policy Target:</b>	<b>\$14,075,655</b>
Less: FY22 Sheriff's Office Recruitment, Retention, and Compression Wage Adjustment - 10.06.21	-\$240,000
Less: FY21-22 County Carryover Request – 12.01.21	-\$87,074
<b>Current Unassigned Fund Balance – Excess Above Policy Target:</b>	<b>\$13,835,655</b>





**LOUISA COUNTY**

April 2022

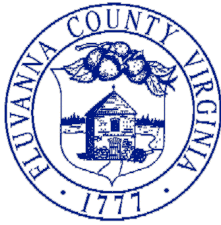
<b>MAINTENANCE</b>	
<p><b>The Cuckoo &amp; Zion Crossroads Area Headquarters for the month of April 2022.</b></p> <ul style="list-style-type: none"> <li>• Repaired potholes /surface treatment prep for various secondary routes.</li> <li>• Placed shoulder stone on various routes throughout the county.</li> <li>• Replaced Rural Rustic pipe entrance/cross pipes on Route 698.</li> <li>• Repaired drainage issue on Route 610.</li> <li>• Performed traffic control for loggers on Route 522.</li> <li>• Placed mail box stone for various secondary routes.</li> <li>• Performed incident response traffic control for brush fires, accidents, down power lines on Routes 605, 604, 655, 656.</li> <li>• Picked up Adopt A Highway bags for various primary and secondary routes.</li> <li>• Prepared for Spring Dry Run inspections.</li> <li>• Replaced entrance culvert pipes on Routes 208, 634, 661.</li> <li>• Performed grading and shaping on unpaved roads and added additional stone as needed.</li> <li>• Removed downed trees and limbs: storm debris.</li> </ul>	
<b>LAND DEVELOPMENT &amp; PERMITS</b>	<b>Mark Wood, P.E.</b>
<p><b>Plans with outstanding comments or under review (Activity within last 90 days)</b></p> <ul style="list-style-type: none"> <li>• Subdivision of TM 61-8, Lot 1-5: Under Review</li> </ul> <p><b>Plans found acceptable</b></p> <ul style="list-style-type: none"> <li>• Division Plat (COBBS)</li> <li>• JCM III, LLC</li> <li>• Barbara Nunally Subdivision</li> </ul> <p><b>Other</b></p> <ul style="list-style-type: none"> <li>• None</li> </ul> <p><b>LUP Permits Issued and Completed:</b></p> <ul style="list-style-type: none"> <li>• VDOT issued 27 permits in April 2022.</li> <li>• VDOT closed 12 permits in April 2022.</li> </ul>	

<b>CONSTRUCTION</b>	
<p><b><u>Bridge Projects:</u></b></p> <ul style="list-style-type: none"> <li>• <b>On-Call Bridge Maintenance Contract BRDG-967-457,N501 (UPC 115014) –</b>  <b>Scope: Bridge Maintenance (Various locations)</b>  <b>Estimated Contract Completion Date: October 23, 2022 (Term 3)</b></li> </ul> <p><b><u>Road Projects:</u></b></p> <ul style="list-style-type: none"> <li>• <b>ADA Compliance 9999-967-317, N01 (UPC 119781)</b>  <b>Various locations.</b>  <b>Contract executed 02-07-2022</b>  <b>NTP: Specific to each task order</b>  <b>Scope: On call ADA compliance</b>  <b>Estimated contract completion date: January 01, 2023 (T1)</b></li> <li>• <b>0250-037-S63, C501 Rte.250 and 522 roundabout (UPC 107081)</b>  <b>Continue to build roundabout</b>  <b>NTP: September 2, 2021</b>  <b>Scope: Intersection improvement</b>  <b>Estimated contract completion date: December 23, 2022</b></li> <li>• <b>On-Call District Signal Contract 9999-967-527, C501 (119130)</b>  <b>Various Locations</b>  <b>Scope: Specific to each Task order</b>  <b>Estimated Contract Completion Date: December 22, 2023 (T1)</b></li> </ul> <p><b><u>Schedules:</u></b></p> <ul style="list-style-type: none"> <li>• <b><u>ST7A-967-F22, P401 (UPC 119529)</u></b>  <b>NTP: March 15, 2022</b>  <b>Scope: Plant Mix</b>  <b>Estimated contract completion date: October 15, 2022</b></li> <li>• <b><u>LM7A-967-F22, P401 (UPC 119727)</u></b>  <b>NTP: February 25, 2022</b>  <b>Scope: Plant Mix</b>  <b>Estimated contract completion date: October 15, 2022</b></li> <li>• <b><u>PM7D-967-F22, P401 (UPC 119730)</u></b>  <b>NTP: March 18, 2022</b>  <b>Scope: Plant Mix</b>  <b>Estimated contract completion date: November 15, 2022</b></li> </ul>	
<b>TRAFFIC STUDIES/SPECIAL REQUESTS</b>	
<ul style="list-style-type: none"> <li>• <b>Speed study requested on Route 622; Speed reduction was warranted.</b>  <b>Request received 12/29/2021.</b>  <b>Status: Pending installation of curve signs with speed advisory plates.</b></li> </ul>	

- Stop bar requested on Route 600; at the intersection of Route 600 and Route 627.  
Request was received on 2/10/2022.  
Status: Pending field review and sign plan.
- Signage requested on Route 600; Review curve warning sign inquiry.  
Request was received on 2/28/2022  
Status: Pending field review.
- Signage requested on Route 513; School bus stop ahead signs @ 1839 Oakland Road.  
Request received on 3/21/2022  
Status: Pending field review.
- Marking requested on Route 22/208; Install delineators @ LCMS left turn lane.  
Installation requested on 4/27/2022  
Status: Pending installation.







# COUNTY OF FLUVANNA

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## MEMORANDUM

**Date:** May 18, 2022  
**From:** Tori Melton – Management Analyst  
**To:** Board of Supervisors  
**Subject:** ARPA Fund Balance

<b>ARPA Fund Total Appropriation: \$5,296,878 – 50% received</b>	<b>\$2,648,439</b>
Less: FUMA Wastewater Treatment Plant Evaluation 08.04.21	-\$39,870
Less: FUSD Morris and Omohundro Well Rehabilitation 09.01.21	-290,250
Less: Sheriff’s Office Hazard Pay One-Time Bonus 10.06.21	-41,983.50
Less: E911 – Hazard Pay One-Time Bonus 10.06.21	-16,954.88
Less: Premium Pay – Staff One-Time Bonus 12.15.21	-173,585.63
Less: FireFly Broadband VATI Grant 04.20.22	-601,500
<b>Current ARPA Fund Balance</b>	<b>\$1,484,294.99</b>

