



FLUVANNA COUNTY PLANNING COMMISSION

WORK SESSION AND REGULAR MEETING AGENDA
Fluvanna County Administration Building, Morris Room
October 09, 2018
6:00 PM (Morris Room)
7:00 PM (Morris Room)

TAB AGENDA ITEMS

WORK SESSION

A – CALL TO ORDER, PLEDGE OF ALLEGIANCE, MOMENT OF SILENCE

B – PLANNING DIRECTOR COMMENTS

C – PUBLIC COMMENTS (Limited to 3 minutes per speaker)

D – WORK SESSION

Discussion of Capital Improvement Plan FY 2020-24

REGULAR MEETING

1 – CALL TO ORDER, PLEDGE OF ALLEGIANCE, MOMENT OF SILENCE

2 – DIRECTOR'S REPORT

3 – PUBLIC COMMENTS #1 (3 minutes each)

4 – MINUTES

Minutes of September 11, 2018

5 – PUBLIC HEARING

None

6 – PRESENTATIONS

None

7 – SITE DEVELOPMENT PLANS

SDP 18:08 VA Electric & Power Company – Brad Robinson, Senior Planner

8 – SUBDIVISIONS

None

9 – UNFINISHED BUSINESS

None

10 – NEW BUSINESS

Cluster Subdivision Discussion – Holly Steele, Planner

11 – PUBLIC COMMENTS #2 (3 minutes each)

12 – ADJOURN


Director of Community Development Review

Fluvanna County...The heart of Virginia and your gateway to the future!

*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.

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 Commission wishes to debate the matter of the disorder or the bringing of order; the regular business may be suspended by vote of the Commission to discuss the matter.
3. No member or citizen shall be allowed to use abusive language, excessive noise, or in any way incite persons to use such tactics. The Chairman shall be the judge of such breaches, however, the Commission may vote to overrule both.
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.

PUBLIC HEARING RULES OF PROCEDURE

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 Commission.
 - Each speaker should clearly state his/her name and address.
 - All comments should be directed to the Commission.
 - All questions should be directed to the Chairman. Members of the Commission 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 Commission 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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COUNTY OF FLUVANNA

"Responsive & Responsible Government"

132 Main Street
P.O. Box 540
Palmyra, VA 22963
(434) 591-1910
Fax (434) 591-1911
www.fluvannacounty.org

MEMORANDUM

Date: October 9, 2018
To: Fluvanna County Planning Commission
From: Brad Robinson, Senior Planner
Subject: FY2020 – FY2024 Capital Improvement Plan (CIP)

A proposed Capital Improvement Plan (CIP) for fiscal years 2020 through 2024 (FY20 – FY24) has been prepared by County Staff (County Administration, Parks & Recreation, Public Works, Sherriff's Office, Schools, Fire & Rescue, etc.). The proposal has been forwarded to the Planning Commission for review, in accordance with Virginia Code §15.2-2239.

The Planning Commission is being asked to rank projects in the CIP document using a rating of 1, 2 or 3 as described below:

1. Project is important to the current and continuing operations of the County.
2. County operations can continue but some adverse impact could occur if not funded.
3. Project is not imminently necessary but could become a 1 or 2 in the next fiscal year.

During review of the FY19 – FY23 CIP, the Planning Commission determined that in the future it would only rank projects that had a department ranking of one. Please note the sheet titled "Maintenance, Repair & Renovation (MRR) Plan" lists projects that are considered maintenance or ongoing repair and do not need to be ranked by the Planning Commission.

The Planning Commission will continue review of the proposed FY20-FY24 CIP in November with a public hearing tentatively planned for the December meeting. A recommendation to the Board of Supervisors will be forwarded thereafter.

Attachment

	A	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
52	MRR List for planning purposes only. MRR projects will be considered by the Board of Supervisors on an individual basis, and approved projects will be funded from approved Capital Reserve Maintenance Funds.																
53	MAINTENANCE, REPAIR, & RENOVATION (MRR) PLAN				FY 2020-24		FY2020 PROPOSED		FY2021 Plan		FY2022 Plan		FY2023 Plan		FY2024 Plan		FY20-24 Total
54	COUNTY				296,000	-	-	305,000	-	247,500	-	167,500	-	247,500	-	1,263,500	
55	HVAC, Electrical, Plumbing				75,000			75,000		75,000		75,000		75,000		375,000	
56	Asphalt Pavement Repair, Resurfacing, Markings				40,000			30,000		30,000		30,000		20,000		150,000	
57	Concrete Sidewalks, Steps & Walls Repair & Resurfacing				25,000			25,000		25,000		20,000		20,000		115,000	
58	Fence Repairs & Replacement				25,000			20,000		20,000		20,000		10,000		95,000	
59	Repainting Exterior Surfaces of Buildings				20,000			15,000		15,000		15,000		15,000		80,000	
60	Floor Covering Cycle				10,000			10,000		7,500		7,500		7,500		42,500	
61	Admin Building - File / Secure Storage in Basement				30,000			50,000								80,000	
62	Palmyra Rescue Building - Major Maintenance & Repairs				6,000											6,000	
63	Replace Water Lines & Water Services - Carysbrook				65,000											65,000	
64	Demolish Old Buildings, Including Abatement							40,000		40,000						80,000	
65	Restroom Renovations & Water Line Replacements - Courts Green							40,000		35,000						75,000	
66	Courts Building - Gutters & Downspouts Addition													100,000		100,000	
67	SCHOOLS				395,000	-	-	445,000	-	445,000	-	395,000	-	395,000	-	2,075,000	
68	HVAC, Electrical, Plumbing				25,000			25,000		25,000		25,000		25,000		125,000	
69	Asphalt Pavement Repair, Resurfacing, Markings				100,000			150,000		150,000		100,000		100,000		600,000	
70	Concrete Sidewalks, Steps & Walls Repair & Resurfacing				25,000			25,000		25,000		25,000		25,000		125,000	
71	Fence Repairs & Replacement - (Athletic Facilities)				40,000			40,000		40,000		40,000		40,000		200,000	
72	Building Painting Cycle (SBO, FMS, Abrams, and Central)				50,000			50,000		50,000		50,000		50,000		250,000	
73	Floor Covering Cycle (FMS Office, Library, and CAR Café - Annual)				50,000			50,000		50,000		50,000		50,000		250,000	
74	Custodial Equipment				10,000			10,000		10,000		10,000		10,000		50,000	
75	Bus Motors & Fleet Repairs				20,000			20,000		20,000		20,000		20,000		100,000	
76	Safety and Security Infrastructure Cycle				75,000			75,000		75,000		75,000		75,000		375,000	

FY20-24 CIP Request Report

Office/Department/Agency:

ALL

of Projects Requested:

58

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 7,308,590	\$ 5,512,630	\$ 5,628,840	\$ 6,294,575	\$ 15,434,327	\$ 40,178,962

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FY20-24 CIP Request Report

Office/Department/Agency: **Parks & Recreation**
of Projects Requested: **8**

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 200,000	\$ 405,000	\$ 774,000	\$ 2,625,000	\$ 917,000	\$ 4,921,000

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FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park Playground Expansion			Department/Agency Ranking:	1
Department/Agency:	Parks and Recreation	Contact Person:	Aaron Spitzer		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction		\$ 40,000					\$ 40,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)	Rubber Mulch (ADA Certified)	\$ 10,000					\$ 10,000
Other (specify)							\$ 0
TOTALS		\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park Playground Expansion

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

Based on guideline standards of the National Playground Safety Institute, it has identified five areas of safety concerns in a public playground environment. The five critical areas are: Supervision, ADA Accessibility, Age Appropriate Design, Fall Surfacing, Equipment and Surfacing Maintenance. A public playground should create a structured environment where children can play on equipment that is designed for their developmental needs and abilities that tap into a child's creativity, foster their social growth, and provide a positive outlet through interactive playtime. The playground structure at Pleasant Grove Park does not meet these objectives for children in the following age groups: pre-school/toddlers, children ages 5-12 and children with special needs that require a social outlet for their socialization and developmental growth. This playground expansion project will address these key elements for public playground equipment.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park Spray Ground			Department/Agency Ranking:	2
Department/Agency:	Parks and Recreation	Contact Person:	Aaron Spitzer		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning		\$ 15,000					\$ 15,000
Construction		\$ 135,000					\$ 135,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary	\$ 10,000					\$ 10,000
Benefits	Calculated at 25% of Staff Salary	\$ 2,500	\$ 0	\$ 0	\$ 0	\$ 2,500
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities	\$ 2,000					\$ 2,000
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 14,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 14,500
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park Spray Ground

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

The proposed project consist of the construction of a 2,000 square foot water spray ground. This area will provide an additional recreational attraction for patrons of the park.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park Multi-Purpose Shelter			Department/Agency Ranking:	1
Department/Agency:	Parks and Recreation	Contact Person:	Aaron Spitzer		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction			\$ 45,000				\$ 45,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)	Amenties		\$ 10,000				\$ 10,000
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 55,000	\$ 0	\$ 0	\$ 0	\$ 55,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities		\$ 500	\$ 500	\$ 500	\$ 500	\$ 2,000
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 500	\$ 500	\$ 500	\$ 500	\$ 2,000
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park Multi-Purpose Shelter

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

The Pleasant Grove Park Active Recreation Master Plan states that multi-purpose structures are an important site amenity needed to fulfill the process of park development. The development of a 40' x 100' wooden structure is designed to serve as a permanent site for park picnics, sports team gatherings, birthday/family reunion parties, and other park rentals. This amenity will increase participation at Pleasant Grove Park in affording community members another place to visit as well as providing an additional shade structure. The Master Plan has a total of 5 additional multi use shelters for the park.

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park Athletic Field Lighting			Department/Agency Ranking:	2
Department/Agency:	Parks and Recreation	Contact Person:	Aaron Spitzer		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction			\$ 350,000	\$ 300,000			\$ 650,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 350,000	\$ 300,000	\$ 0	\$ 0	\$ 650,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities		\$ 1,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 7,000
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 1,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 7,000
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park Athletic Field Lighting

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

There is a need to expand athletic fields in order to accommodate the needs of recreational leagues within the County. The results of a public survey for the Pleasant Grove Active Park Master Plan identified having lights installed on our current athletic fields at Pleasant Grove Park as a high priority to meet the growing needs of the county's youth sports programs. Each year, the Parks and Recreation Department struggles to find space with the shortage of lighted sports fields to operate sports programs in the County. The Carysbrook Sports Complex is currently the only lighted facility that is available to schedule over 500 youth in three different sports programs each spring and fall seasons. County wide youth sports programs have experienced a steady growth of new participation each year and our County would benefit from having additional lighted fields for use by community youth sports leagues as well as our department. This has become a challenging task to provide the necessary practice times to teach the youth basic fundamentals of their respective sport.

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park Athletic Fields (Baseball/Softball)			Department/Agency Ranking:	2
Department/Agency:		Contact Person:			
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning				\$ 22,000			\$ 22,000
Construction							\$ 0
Equipment				\$ 71,000			\$ 71,000
Land Acquisition							\$ 0
Other (specify)	Grading/Seeding/Dugouts/Fencing			\$ 230,000			\$ 230,000
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 0	\$ 323,000	\$ 0	\$ 0	\$ 323,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities			\$ 500	\$ 500	\$ 500	\$ 1,500
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 500	\$ 500	\$ 500	\$ 1,500
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park Athletic Fields (Baseball/Softball)

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

FY 2022:

There is a need to expand on athletic fields in order to accommodate the needs of recreational leagues within Fluvanna County. This request is to complete the construction of the remaining athletic fields at Pleasant Grove Park. The construction of these new ball fields will address two major objectives in the BOS approved Pleasant Grove Active Park Master Plan: the completion of a four field sports complex and to address the challenges we face with meeting the increased needs of providing appropriate field space for our your sports program participants.

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park Basketball and Tennis Courts			Department/Agency Ranking:	1
Department/Agency:	Parks and Recreation	Contact Person:	Aaron Spitzer		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning				\$ 13,000			\$ 13,000
Construction							\$ 0
Equipment				\$ 8,000			\$ 8,000
Land Acquisition							\$ 0
Other (specify)	Earthwork			\$ 130,000			\$ 130,000
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 0	\$ 151,000	\$ 0	\$ 0	\$ 151,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park Basketball and Tennis Courts

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

FY 2022:

Currently, there are no basketball or tennis courts at Pleasant Grove Park which the Master Plan call for. The park is utilized by thousands of County residents annually and based off the Master Plan Survey in 2011, these site amenities are needed. This request is for 2 basketball and 2 tennis courts.

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park: Fluvanna County Multi-Generational Center		Department/Agency Ranking:	1
Department/Agency:	Parks and Recreation	Contact Person:	Aaron Spitzer	
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)	
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning					\$ 262,500		\$ 262,500
Construction					\$ 2,362,500		\$ 2,362,500
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 0	\$ 0	\$ 2,625,000	\$ 0	\$ 2,625,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary				\$ 48,000		\$ 48,000
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 12,000
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities				\$ 20,000	\$ 20,000	\$ 40,000
Furniture and Fixtures				\$ 15,000		\$ 15,000
Equipment				\$ 20,000		\$ 20,000
Contractual costs				\$ 6,000	\$ 6,000	\$ 12,000
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 121,000	\$ 26,000	\$ 147,000
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park: Fluvanna County Multi-Generational Center

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

FY 2022:

FY 2023:

A Multi-Generational Center in Fluvanna County will create an experience for families and people of all ages to come together in a community setting. The vision is a center which could be build on community partnerships, promote families spending more time together, and provide both early intervention and prevention programming. A Multi-Generational Center would give the community an option of visiting their local recreation facility rather than attending another facility outside of Fluvanna County. The Center would serve people of all ages and would allow for a wide-array of programs that we currently cannot offer.

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Pleasant Grove Park Outdoor Swimming Pool and Pool House		Department/Agency Ranking:	1
Department/Agency:	Parks and Recreation	Contact Person:	Aaron Spitzer	
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)	
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning						\$ 87,000	\$ 87,000
Construction						\$ 790,000	\$ 790,000
Equipment						\$ 30,000	\$ 30,000
Land Acquisition							\$ 0
Other (specify)	Pool Chemicals					\$ 10,000	\$ 10,000
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 0	\$ 0	\$ 0	\$ 917,000	\$ 917,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary					\$ 45,000	\$ 45,000
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 11,250
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities					\$ 4,000	\$ 4,000
Furniture and Fixtures					\$ 8,000	\$ 8,000
Equipment						\$ 0
Contractual costs					\$ 1,000	\$ 1,000
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 69,250	\$ 69,250
Total Anticipated Operational Revenues						\$ 0

Project Title:

Pleasant Grove Park Outdoor Swimming Pool and Pool House

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

FY 2022:

FY 2023:

FY 2024:

This project is for the construction of a rectangular shaped 75' x 150' meter pool with a zero depth entry and a 30' x 65' children's pool. Amenities would include a 20' slide, diving blocks for swim meets, lane lines, and deck furniture along with shade structures. Also included is a 2,600 square foot building to support pool operations for patrons. The facility will include a men's, women's, and family restroom/changing stations that will include locker areas. The pool's mechanical/equipment room, staff office space, and the entrance for member/guest check in will also be located in this facility. In addition to serving as a pool house, the building will also have a multi-purpose room that can be used year round as an additional revenue opportunity to host birthday parties, sports banquets/meetings, and other rental as requested.

FY20-24 CIP Request Report

Office/Department/Agency:

Public Works

of Projects Requested:

6

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 680,000	\$ 250,000	\$ 550,000	\$ 580,000	\$ 11,755,000	\$ 13,815,000

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FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Public Works Office Building Addition at Carysbrook			Department/Agency Ranking:	1
Department/Agency:	Public Works	Contact Person:	J. Wayne Stephens, Director of Public Works		
Funding Category:	<input checked="" type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input checked="" type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning		\$ 35,000					\$ 35,000
Construction		\$ 210,000					\$ 210,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)	Site Development Costs	\$ 80,000					\$ 80,000
Other (specify)							\$ 0
TOTALS		\$ 325,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 325,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Public Works Office Building Addition at Carysbrook

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

The project includes design and construction on an addition to the existing Maintenance Shop at the Carysbrook Complex, to serve as an office building for the Public Works Department. This will consolidate Public Works' primary functions at a single location. The addition is planned to be a metal building, approximately 1,300 SF, attached to the southern end of the existing brick structure. It will include a customer service area, three individual offices, a meeting room, blue-print/drawing storage area and additional storage area. The project also includes construction of two offices and a rest room within the existing building. (see Conceptual Plans). The design includes one "spare" office in anticipation of future expansion of the department.

Upon completion of construction, the current Public Works office at 197 Main Street will be unoccupied and can be sold. It should be noted that continued use of that building will necessitate extensive renovations including roof work, HVAC work, floor replacement & other interior repairs.

It should also be noted that this project proposes construction of eight new parking spaces, some of which may be utilized after-hours by users of the playing fields.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Construct Equipment Shed at Carysbrook			Department/Agency Ranking:	1
Department/Agency:	Public Works	Contact Person:	Wayne Stephens		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input checked="" type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning		\$ 2,500					\$ 2,500
Construction		\$ 47,500					\$ 47,500
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Construct Equipment Shed at Carysbrook

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

Construct a 60' x 25', 5-Stall Equipment Shed/Pole Barn behind the Public Works/Facilities Maintenance Shop at Carysbrook, to provide covered storage for tractor, excavator, skid-steer, trailers, snow plows and other equipment and implements. Covered storage results in increased longevity of equipment and implements. In this case it will also open up parking spaces in the parking lot at the Carysbrook Complex.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Renovate Exterior of Historic Courthouse			Department/Agency Ranking:	1
Department/Agency:	Public Works	Contact Person:	Wayne Stephens		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input checked="" type="checkbox"/> 3. Infrastructure	<input checked="" type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction		\$ 55,000					\$ 55,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 55,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 55,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Renovate Exterior of Historic Courthouse

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

The existing paint on the columns, pilasters and exterior trim at the Historic Courthouse are in poor condition and continue to deteriorate. The wooden shutters on the building are also deteriorating, with some of them falling apart . At least one missing entirely. Exterior brick is also in need of minor repairs and "pointing-up". Staff have done considerable research to determine a period-correct coating to be used on the columns and pilasters. After consultation with local historians & Historic Renovation experts, it appears that columns on buildings of this type & era were coated with a sand-based "wash" rather than with paint.

This project includes repair/reconstruction of all shutters, restoration of the columns and pilasters with period-correct coatings, and surface preparation & painting of all exterior wood trim, and brick pointing & repair.

~~FY 2021~~ -- FY2020 (continued):

The current total cost estimate for the project is \$250,000. The Board previously approved \$75,000 in the FY2019 CIP, and an additional \$120,000 via transfer from a closed-out CIP project.

Funding is requested in FY2020 for the final \$55,000 needed to pay for the project, on the understanding that any portion of this funding which is rendered unnecessary by the receipt of grants and/or private donations shall be returned to the General Fund.

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Public Water System for Pleasant Grove (CAP)			Department/Agency Ranking:	2
Department/Agency:	Public Works	Contact Person:	Wayne Stephens		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input checked="" type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input checked="" type="checkbox"/> 2. Land Use & Community Design	<input checked="" type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input checked="" type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning				\$ 100,000	\$ 55,000	\$ 55,000	\$ 210,000
Construction				\$ 200,000	\$ 275,000	\$ 450,000	\$ 925,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 0	\$ 300,000	\$ 330,000	\$ 505,000	\$ 1,135,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Public Water System for Pleasant Grove (CAP)

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This project involves the design and construction, in three phases, of a public water system to serve the existing facilities at Pleasant Grove, as well as provide for water service to those facilities proposed within the Pleasant Grove Master Plan. Implementation of the plan is predicated on the County taking over responsibility for the provision, operation and maintenance, of water utilities to County Schools. The project is preliminarily phased as follows:

FY 2021:

FY 2022:

Phase 1 - Preliminary design of all three phases of the project, plus final design & construction of a water line from the water booster station at High School to a point immediately east of the Pleasant Grove House. Connect the public water supply well, the Pleasant Grove House, the comfort station, the pole barn and all yard hydrants to the system. A very small portion of this phase has been completed without expending capital funds. The Pleasant Grove House, Comfort Station, Pole Barn and all yard hydrants (except those at the community garden) have been connected to the existing irrigation/High School well on Pleasant Grove property. No interconnection with the High School's treatment system has yet been designed or constructed.

FY 2023:

Phase 2 - Final design and construction of a water line extension from the terminus of Phase 1, eastward to a point south-east of the Public Works yard. The concession stands and the Public Works facility will be connected to the system.

FY 2024:

Phase 3 - Final design and construction of a water line extension from the terminus of Phase 2, eastward to a point immediately east of Commons Road. The Sheriff's office and Library will be connected to the system.

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Combined Administrative Services / School Admin. Building		Department/Agency Ranking:	3
Department/Agency:	Public Works	Contact Person:	Wayne Stephens	
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)	
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety
	<input checked="" type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)	Prelim Estimate for Design & Constr					\$ 11,000,000	\$ 11,000,000
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 0	\$ 0	\$ 0	\$ 11,000,000	\$ 11,000,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Combined Administrative Services / School Admin. Building

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

FY 2022:

FY 2023:

FY 2024:

The county would like to establish a combined Administrative Services/School Administration at Pleasant Grove to house the majority of Administrative functions for both the County and the Schools. Currently the aging infrastructure of county buildings is a cause for concern. Estimates to renovate/repair current county buildings are very high and ongoing. The combined building would allow the county to sell its older, high maintenance properties, thereby reducing repair and maintenance costs. Several million dollars will be needed over the next five years to maintain and improve current structures.

FY20-24 CIP Request Report

Office/Department/Agency:

Sheriff

of Projects Requested:

1

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 75,640	\$ -	\$ -	\$ -	\$ -	\$ 75,640

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FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Courthouse Security Upgrades			Department/Agency Ranking:	1
Department/Agency:	Sheriff's Office	Contact Person:	Captain Von Hill		
Funding Category:	<input checked="" type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input checked="" type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment	(TBD)	\$ 75,640					\$ 75,640
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 75,640	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,640

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Courthouse Security Upgrades

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

The functionality of Court Security does not allow for automated fingerprinting of arrestees while at the courthouse. This presents an increased safety risk to the public, and its a drain on staffing, as the arrestee has to be physically loaded an transferred to the Sheriff's Office to facilitate the process, after which they have to be returned back to the courthouse. The current surveillance system has mostly analog cameras and connections that do not maintain recording after power outages, and have poor video quality when functioning. Current quotes indicate that the requested allotment is the funding level we need, in order to facilitate the upgrades.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY20-24 CIP Request Report

Office/Department/Agency:

Fire & Rescue

of Projects Requested:

5

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 1,923,070	\$ 1,366,000	\$ 995,000	\$ 909,000	\$ 526,000	\$ 5,719,070

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FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Fluvanna Fire and Rescue CPR Assist Devices Request			Department/Agency Ranking:	1
Department/Agency:	Fluvanna Fire and Rescue Association	Contact Person:	R. John Lye		
Funding Category:	<input checked="" type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input checked="" type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 63,100					\$ 63,100
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 63,100	\$ 0	\$ 0	\$ 0	\$ 0	\$ 63,100

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Fluvanna Fire and Rescue CPR Assist Devices Request

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

4 Lucas CPR Assist units at \$15,755 per unit = \$63,100

Sudden Cardiac Arrest is a life-threatening emergency, with an out-of-hospital survival rate of approximately 10% (see http://www.heart.org/HEARTORG/General/Cardiac-Arrest-Statistics_UCM_448311_Article.jsp for details). Prompt and effective CPR is an essential component in the treatment of sudden cardiac arrest. However, successful CPR is both labor intensive, requiring two providers for effective CPR and airway management, and is extremely tiring with provider changes every two minutes as suggested. Currently, many Rescue crews in Fluvanna County are two person crews, which does not allow for both effective CPR and a driver for transport. First Responders are, therefore, essential for a successful outcome from these emergencies.

Another solution, however, is the CPR Assist Device. These are mechanical devices that provide compressions, allowing the medic to manage the airway and administer medications. Furthermore, being mechanical devices, the CPR Assist Device does not get tired and is able to continue compressions no matter how long the transport takes. The Fluvanna Fire and Rescue Association (FRA) is requesting four such devices in FY20 to equip the ambulances at Lake Monticello Rescue, as well as one unit to be carried in the ALS Response car (Response-5). LMVRS currently carries one Lucas device on the first due ambulance, which was a pilot program to evaluate their effectiveness. This Lucas Device has been successfully deployed in the field several times already, so we recommend equipping the rest of the LMVRS fleet with these devices.

LMVRS will also be applying for grant funding to partially offset the cost of this request, but such funding is not guaranteed.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Fluvanna Fire and Rescue SCBA Replacement			Department/Agency Ranking:	1
Department/Agency:	Fluvanna Fire and Rescue Association	Contact Person:	R. John Lye		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input checked="" type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 597,970					\$ 597,970
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 597,970	\$ 0	\$ 0	\$ 0	\$ 0	\$ 597,970

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Fluvanna Fire and Rescue SCBA Replacement

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

National Fire Protection Agency (NFPA) Standard 1852 specifies the minimum requirements for the selection, care, and maintenance of open-circuit self-contained breathing apparatus (SCBA) and combination SCBA/supplied air respirator (SAR) that are used for respiratory protection during emergency operations in environments where the atmosphere is Immediately Dangerous to Life and Health (IDLH), or could become oxygen deficient or IDLH.

In 2003/2004, the Fire Departments in Fluvanna County were successful in obtaining funding through the Firefighters Assistance Grant (AFG) to obtain replacements for the SCBA units in service in the county at that time. NFPA 1852 states that the end of service life for a SCBA unit is 15 years.

At present, the departments utilize SCBA units operating on two different pressures and two different manufacturers of the units. Efforts shall be made at the end of this end of life period to assure that the SCBA units County-wide are standardized to operate on the same pressure and be built by the same manufacturer to aid in interoperability, ease of operation and maintenance costs.

In order to make sure that all the equipment is standardized, and there are no model changes or updates, all of the SCBAs need to be purchased at the same time. However, due to the large expense of the project, the FRA is proposing to split the request across two fiscal years. The purchase would be made at the end of FY19, with the bills to be split between FY19 and FY20. This request is for the second half of the project. The FRA is applying for grants to cover part of the cost of this project, but such funding is not guaranteed.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Fluvanna Fire and Rescue Heart Monitor Replacement			Department/Agency Ranking:	1
Department/Agency:	Fluvanna Fire and Rescue Association	Contact Person:	R. John Lye		
Funding Category:	<input checked="" type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input checked="" type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 100,000	\$ 200,000	\$ 100,000			\$ 400,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 100,000	\$ 200,000	\$ 100,000	\$ 0	\$ 0	\$ 400,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Fluvanna Fire and Rescue Heart Monitor Replacement

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

FY 2021:

- 1. Philips MRX Replacements - 8 @ \$34,500 = \$276,000
- 2. Philips AED Replacement - 14 @ \$8,500 = \$119,000

As of 12/31/2022, the Philips MRX heart monitors that are in use by both Fluvanna County Rescue and Lake Monticello Volunteer Rescue Squad will be reaching end-of-life, and Philips will no longer support them. There are currently 8 monitors in use by the Rescue Squads that will need to be replaced. In addition, we are requesting funds to replace the AEDs that the Fire Companies carry for use by First Responders. These need to be compatible with the heart monitors, and the current AEDs are also out of warranty. We have spread the request over several years to reduce the impact in any one fiscal year. These price estimates are a "best guess" at this time, since the new models from Philips and PhysioControl, who are among the likely vendors, are not on the market yet.

We will also be applying for grant funding to partially offset some of the costs of this request, but such funding is not guaranteed.

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Fluvanna Fire and Rescue Apparatus Replacement			Department/Agency Ranking:	1
Department/Agency:	Fluvanna Fire and Rescue Association	Contact Person:	R. John Lye		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input checked="" type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 1,082,000	\$ 1,166,000	\$ 895,000	\$ 909,000	\$ 526,000	\$ 4,578,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 1,082,000	\$ 1,166,000	\$ 895,000	\$ 909,000	\$ 526,000	\$ 4,578,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Fluvanna Fire and Rescue Apparatus Replacement

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

1. Replacement of Ambulance 49 (Palmyra) built in 2011 (\$282,000) (carried over from FY19 Request)
2. Replace Tanker 10 (Palmyra) built in 1999 (\$550,000)
3. Replacement of Support 56, built in 1991 (LMWRT) (\$186,000) (carried over from FY18 request)
4. Replacement of Car-1 (Chief-1), built in 2008 (\$64,000)

The Fluvanna Fire and Rescue Association (FRA) request for FY2020-2024 Capital Improvement Plan incorporates funding for a replacement schedule for fire and rescue emergency vehicles. The FRA defined the replacement of fire apparatus to be when the unit reaches twenty years of age, which is consistent with NFPA standards. The ambulance replacement schedule is built on an eight year replacement schedule, since they generally see much more daily use than the fire apparatus. The current projected cost of \$282,000 more closely reflects current experience purchasing an ambulance (Ambulance 552 for Lake Monticello, adjusted for 3% increases due to inflation per year), and includes the cost for a Stryker PowerLoad/PowerCot combination (\$40,000 as of 2016). As of July 1, 2015, new Federal standards for ambulance construction were implemented which require improved cot retention systems which will retain the cot in case of an ambulance accident or roll-over. The Stryker PowerLoad/PowerCot combination is one of the few systems currently on the market that meets these standards, and the cost of this system needs to be included in the cost of all future ambulance.

FY 2021:

1. Replacement of Attack-20 (Fork Union), built in 2001 (\$180,000)
2. Replacement of Response 5 (LMVRS), built in 2003 (\$96,000)
3. Replacement of Engine 20 (Fork Union), built in 1993 (\$600,000)
4. Replacement of Ambulance 553 (LMVRS), built in 2009 (\$290,000)

The Fluvanna Fire and Rescue Association (FRA) request for FY2020-2024 Capital Improvement Plan incorporates funding for a replacement schedule for fire and rescue emergency vehicles. The FRA defined the replacement of fire apparatus to be when the unit reaches twenty years of age, which is consistent with NFPA standards. Engine 20, Ambulance 553, Response 5 and the Hazmat trailer were moved to FY21 in an attempt to equalize yearly request amounts, and smooth some of the peaks and valleys in the CIP request.

FY 2022:

1. Replacement of Tanker-31 (Kents Store) built in 2002 (\$584,000)
2. Replacement of Ambulance 554 (LMVRS), built in 2013 (\$299,000)
3. Replacement of the HazMat trailer (Palmyra) which was built in 1997 (\$12,000)

The Fluvanna Fire and Rescue Association (FRA) request for FY2020-2024 Capital Improvement Plan incorporates funding for a replacement schedule for fire and rescue emergency vehicles. The FRA defined the replacement of fire apparatus to be when the unit reaches twenty years of age, which is consistent with NFPA standards. The ambulance replacement schedule is built on an eight year replacement schedule, since they generally see much more daily use than the fire apparatus. The current projected cost of \$299,000 more closely reflects current experience purchasing an ambulance (Ambulance 552 for Lake Monticello, adjusted for 3% increases due to inflation per year), and includes the cost for a Stryker PowerLoad/PowerCot combination (\$40,000 as of 2016). As of July 1, 2015, new Federal standards for ambulance construction were implemented which require improved cot retention systems which will retain the cot in case of an ambulance accident or roll-over. The Stryker PowerLoad/PowerCot combination is one of the few systems currently on the market that meets these standards, and the cost of this system needs to be included in the cost of all future ambulance purchases.

FY 2023:

1. Tanker-20 (Fork Union), built in 2003 (\$601,000)
2. Ambulance 45 (Palmyra), built in 2017 (\$308,000)

The Fluvanna Fire and Rescue Association (FRA) request for FY2020-2024 Capital Improvement Plan incorporates funding for a replacement schedule for fire and rescue emergency vehicles. The FRA defined the replacement of fire apparatus to be when the unit reaches twenty years of age, which is consistent with NFPA standards. The ambulance replacement schedule is built on an eight year replacement schedule, since they generally see much more daily use than the fire apparatus. The current projected cost of \$308,000 more closely reflects current experience purchasing an ambulance (Ambulance 552 for Lake Monticello, adjusted for 3% increases due to inflation per year), and includes the cost for a Stryker PowerLoad/PowerCot combination (\$40,000 as of 2016). As of July 1, 2015, new Federal standards for ambulance construction were implemented which require improved cot retention systems which will retain the cot in case of an ambulance accident or roll-over. The Stryker PowerLoad/PowerCot combination is one of the few systems currently on the market that meets these standards, and the cost of this system needs to be included in the cost of all future ambulance purchases.

FY 2024:

1. Replacement of Ambulance 555 (LMVRS), built in 2015 (\$317,000)
2. Replacement of Brush 30 (Kent's Store), built in 1998 (Refurbished FY16) (\$209,000)

The Fluvanna Fire and Rescue Association (FRA) request for FY2020-2024 Capital Improvement Plan incorporates funding for a replacement schedule for fire and rescue emergency vehicles. The FRA defined the replacement of fire apparatus to be when the unit reaches twenty years of age, which is consistent with NFPA standards. The ambulance replacement schedule is built on an eight year replacement schedule, since they generally see much more daily use than the fire apparatus. The current projected cost of \$317,000 more closely reflects current experience purchasing an ambulance (Ambulance 552 for Lake Monticello, adjusted for 3% increases due to inflation per year), and includes the cost for a Stryker PowerLoad/PowerCot combination (\$40,000 as of 2016). As of July 1, 2015, new Federal standards for ambulance construction were implemented which require improved cot retention systems which will retain the cot in case of an ambulance accident or roll-over. The Stryker PowerLoad/PowerCot combination is one of the few systems currently on the market that meets these standards, and the cost of this system needs to be included in the cost of all future ambulance purchases.

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Fluvanna Fire and Rescue Hydraulic Tools			Department/Agency Ranking:	2
Department/Agency:	Fluvanna Fire and Rescue Association	Contact Person:	R. John Lye		
Funding Category:	<input checked="" type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input checked="" type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 80,000					\$ 80,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 80,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 80,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Fluvanna Fire and Rescue Hydraulic Tools

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

The Lake Monticello Volunteer Fire Department respectfully requests replacing our current hydraulic extrication tools, which are first generation technology from the 1970-80's and were placed in service circa 1998 (20 years ago). Since that time, our responses for Motor Vehicle Accidents with occupant entrapment has increased 186% and we have seen increases in farm equipment and industrial accident entrapments and injuries which require the extrication tools to be stronger, faster and more portable.

Designs and materials of vehicles and equipment are evolving to protect occupants and users with technology and strength. While advancements increase protection, they also create challenges for firefighters when cutting these objects to access and rescue injured occupants. Our current tools are, at times, unable to cut, push or spread the high strength alloy steel of today's vehicles and equipment. These tools are tethered to the fire truck by 100-foot hydraulic hoses, further limiting their capabilities. At times, we are unable to reach the victims because the vehicles and equipment are in wooded areas, fields, inside buildings or too far from the fire truck. The new generation of extrication tools are cordless giving users full range of motion and accessibility to all incidents. Our ongoing testing proved that they can penetrate a vehicle in less than half the time that our current tools require, allowing us to reach our victims faster, increasing their survivability and providing a safer work environment for the firefighters.

Replacing the current tools with new generation tools will cost approximately \$80,000. With the purchase of these tools, our volunteer firefighters will be able to provide all of those entrusted to our care and expertise a more rapid, more successful, and safer work environment to complete our duties for many years to come. ABOVE ALL this allows us to provide our neighbors the best service they deserve and to SAVE more lives.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY20-24 CIP Request Report

Office/Department/Agency:

County Fleet

of Projects Requested:

4

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 568,880	\$ 391,630	\$ 392,340	\$ 393,075	\$ 368,827	\$ 2,114,752

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FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Multi-Year Vehicle Fleet Replacement Plan (MRR)			Department/Agency Ranking:	1
Department/Agency:	Public Works	Contact Person:	Wayne Stephens		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input checked="" type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)	Motor Vehicle Purchases	\$ 200,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 125,000	\$ 775,000
Other (specify)							\$ 0
TOTALS		\$ 200,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 125,000	\$ 775,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Multi-Year Vehicle Fleet Replacement Plan (MRR)

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This plan involves the continuation of the fleet replacement plan for vehicles in the County's fleet (exclusive of fire/rescue, police, social services and school vehicles). The replacement criteria used to program this five-year purchase plan are: 10 years or 175,000 miles for sedans, 12 years or 200,000 miles for work trucks and vans, 15 years or 250,000 miles for large trucks. These criteria assume a useful vehicle life that is well beyond most industry-recommended fleet replacement ages & mileages. FY2019 was the fourth year in a row in which the County's vehicle replacement plan has been either underfunded or completely unfunded.

FY2020 funding anticipates the purchase of: 2, 1/2 Ton Pickup Trucks; 2, 4WD SUV; 2, Utility Body Trucks

FY 2021:

FY2021 funding estimate includes replacement of 3-4 vehicles

FY 2022:

FY2022 funding estimate includes replacement of 3-4 vehicles

FY 2023:

FY2023 funding estimate includes replacement of 3-4 vehicles

FY 2024:

FY2024 funding estimate includes replacement of 2-3 vehicles

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Major Maintenance Machinery & Equipment Replacement Plan			Department/Agency Ranking:	1
Department/Agency:	Public Works	Contact Person:	Wayne Stephens		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input checked="" type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)	Powered Equipment	\$ 55,000					\$ 55,000
Other (specify)	Towed or Accessory Equipment	\$ 50,000					\$ 50,000
TOTALS		\$ 105,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 105,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Major Maintenance Machinery & Equipment Replacement Plan (MRR)

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This plan involves the establishment of an Equipment Purchase & Replacement Plan designed to obtain the major equipment needed to provide the expected level of service from the Public Works Department, including facilities, maintenance and public utilities; and to replace existing equipment as it reaches the end of its service life.

FY2020 funding anticipates the purchase of: 1, Skidsteer with front end loader (Powered Equipment) and Powered Equipment - 1, Portable Tow-behind, 60' Scissor Lift (Powered Equipment)

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Vehicle Replacement			Department/Agency Ranking:	1
Department/Agency:	Sheriff's Office	Contact Person:	Captain Von L. Hill		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input checked="" type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment	Police Vehicle TBD	\$ 185,000	\$ 185,000	\$ 185,000	\$ 185,000	\$ 185,000	\$ 925,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)	Car Video System TBD	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 165,000
TOTALS		\$ 218,000	\$ 218,000	\$ 218,000	\$ 218,000	\$ 218,000	\$ 1,090,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

Vehicle Replacement

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

The average life cycle of police vehicles is 113,150 miles, which means that vehicles in the high end of the lifespan are already experiencing major repairs and catastrophic failures without the benefit of any manufacture warranty. The Sheriff's Office fleet currently has three (3) vehicles that are decommissioned due to catastrophic failure, seven (5) vehicles that are exceeding the end of life, and five (5) vehicles approaching the same. Last fiscal year's vehicle allotment was not totally funded, and the age of the existing fleet's end of life identified for replacement, ranges between 2011 - 2014 vehicle models. Our fleet has considerable age, and is in need of the requested vehicle replacements. The replacements will develop as follows; FY20- five vehicles, and subsequent years FY21 - 24 five vehicles. Each vehicle in the request is budgeted at \$37,000.00, which accounts for vehicle the purchase, additional standard police equipment, and up-fittings of the vehicle.

Separately, listed in the equipment line are the In Car Video Systems.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	Vehicle Fleet Replacement			Department/Agency Ranking:	1
Department/Agency:	Social Services	Contact Person:	Kim Mabe, Ann May		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input checked="" type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 44,900	\$ 23,125	\$ 23,820	\$ 24,540	\$ 25,275	\$ 141,660
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 44,900	\$ 23,125	\$ 23,820	\$ 24,540	\$ 25,275	\$ 141,660

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle Insurance		\$ 980	\$ 505	\$ 520	\$ 535	\$ 3,092
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 980	\$ 505	\$ 520	\$ 535	\$ 552	\$ 3,092
Total Anticipated Operational Revenues						\$ 0

Project Title:

Vehicle Fleet Replacement

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

Plan for two vehicle replacements in FY20 and one vehicle replacement annually over the next 5 years and project in the CIP accordingly. The department currently has 8 vehicles, down from 9 last year. One vehicle was removed from the fleet as Public Works and County Finance agreed that the 1999 Chevy Cavalier could no longer be maintained mechanically. Replacement of this vehicle was requested but not funded in the FY19 CIP. Transportation needs include: ongoing mandated staff training for 30 + employees (VDSS trainings are mostly in Richmond or Warrenton), State conferences, federal & state mandated home visits to clients with ongoing cases, mandated home visits to complete NH/CBC pre-screenings with Health Dept., mandated home visits/off-site visits to conduct CPS/APS investigations and 24 hours emergency on-call CPS/APC/Foster Care transportation needs, supportive services for VIEW program which include transportation and transportation of children in foster care. Multiple staff make multiple home visits daily, attend trainings, go to court (sometimes in other jurisdictions), and attend meetings outside the office on a daily basis.

FY 2021:

Continued: The vehicle replacement project relates directly to the County's Comprehensive Plan chapter 9: Human Services. Which states the mission for Fluvanna County Social Services' mission is "To be a leader in collaboration with other community agencies, to serve county citizens promoting self-reliance, well-being and the best possible quality of life." In order to achieve this mission, Fluvanna County Social Services offers a number of service programs to meet local needs. Service programs include: VIEW, Adpotion, APS, Adult Services, CPS, Family-Based Services, Foster Care, etc. Although this item is specific to Public Safety, Course of Action under Public Safety Chapter 11 can be applied to Social Services and the clients as well. Chapter 11A: To improve public safety infrastructure and operability in order to provide excellent service and protection to County residents. Item 4: Plan for the replacement of vehicles and other capital items through the CIP.

FY 2022:

FY 2023:

FY 2024:

FY20-24 CIP Request Report

Office/Department/Agency:

Schools

of Projects Requested:

7

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 2,495,000	\$ 1,675,000	\$ 1,550,000	\$ 550,000	\$ 550,000	\$ 6,820,000

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FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS Capital Reserve Maintenance			Department/Agency Ranking:	1
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input checked="" type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Other (specify)							\$ 0
TOTALS		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS Capital Reserve Maintenance

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This funding request would allow FCPS ongoing facility or equipment maintenance requirements that could include:

- Repairs required due to weather-related events
- Unexpected facility repairs or replacements
- Failure of equipment after warranty expiration but before expected lifecycle
- Non-recurring projects
- Projects that require initiation prior to the completion of the annual budget cycle
- Insurance deductible costs for a capital asset that has been damaged
- Other one-time, minor capital projects

FY 2021:

This funding request would allow FCPS ongoing facility or equipment maintenance requirements that could include:

- Repairs required due to weather-related events
- Unexpected facility repairs or replacements
- Failure of equipment after warranty expiration but before expected lifecycle
- Non-recurring projects
- Projects that require initiation prior to the completion of the annual budget cycle
- Insurance deductible costs for a capital asset that has been damaged
- Other one-time, minor capital projects

FY 2022:

This funding request would allow FCPS ongoing facility or equipment maintenance requirements that could include:

- Repairs required due to weather-related events
- Unexpected facility repairs or replacements
- Failure of equipment after warranty expiration but before expected lifecycle
- Non-recurring projects
- Projects that require initiation prior to the completion of the annual budget cycle
- Insurance deductible costs for a capital asset that has been damaged
- Other one-time, minor capital projects

FY 2023:

This funding request would allow FCPS ongoing facility or equipment maintenance requirements that could include:

- Repairs required due to weather-related events
- Unexpected facility repairs or replacements
- Failure of equipment after warranty expiration but before expected lifecycle
- Non-recurring projects
- Projects that require initiation prior to the completion of the annual budget cycle
- Insurance deductible costs for a capital asset that has been damaged
- Other one-time, minor capital projects

FY 2024:

This funding request would allow FCPS ongoing facility or equipment maintenance requirements that could include:

- Repairs required due to weather-related events
- Unexpected facility repairs or replacements
- Failure of equipment after warranty expiration but before expected lifecycle
- Non-recurring projects
- Projects that require initiation prior to the completion of the annual budget cycle
- Insurance deductible costs for a capital asset that has been damaged
- Other one-time, minor capital projects

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS Computer Instructional Technology			Department/Agency Ranking:	1
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input checked="" type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment	Vendor will vary on equipment	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS Computer Instructional Technology

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This request is for instructional technology equipment not used in a testing setting. Last year IT updated the FCHS engineering and TV production labs, replaced (3) Chromebook carts at FCHS and (1) at Central Elementary. We also updated all of our FLUCO tracker machines along with (40) FMS library computers and (30) teacher laptops at FMS. This years requests could include the following:

1. Division Chromebook replacement cycle (\$200,000.00)
2. Alt. Ed Computers and Homebound/Distance (25,000.00)
3. Special Education computers across the division (25,000.00)
4. New teachers and FCHS Teacher Laptops (\$150,000.00)

FY 2021:

This funding will cover the costs to implement an annually recurring replacement cycle for FCPS's computers and instructional technology. Virginia's Department of Education recommends replacing computers and instructional technology every four years which follows the International Society for Technology in Education's recommendations.

FY 2022:

This funding will cover the costs to implement an annually recurring replacement cycle for FCPS's computers and instructional technology. Virginia's Department of Education recommends replacing computers and instructional technology every four years which follows the International Society for Technology in Education's recommendations.

FY 2023:

This funding will cover the costs to implement an annually recurring replacement cycle for FCPS's computers and instructional technology. Virginia's Department of Education recommends replacing computers and instructional technology every four years which follows the International Society for Technology in Education's recommendations.

FY 2024:

This funding will cover the costs to implement an annually recurring replacement cycle for FCPS's computers and instructional technology. Virginia's Department of Education recommends replacing computers and instructional technology every four years which follows the International Society for Technology in Education's recommendations.

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS Carysbrook Roof Replacement (Phase 2)			Department/Agency Ranking:	1
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input checked="" type="checkbox"/> New Project (FY20-24)	<input type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input checked="" type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment	Mitchell Roofing	\$ 700,000					\$ 700,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 700,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 700,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS Carysbrook Roof Replacement (Phase 2)

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This request would be a completion project for the Carysbrook Roof replacement started in August 2018. FCPS used previous CIP monies along with additional funds approved by the BOS to start this project at the beginning of the school year. At this time, Phase I of this project should be completed by October 2018 (25,000 sq. ft). The current request would take care of the remaining 65,000 sq. of the Carysbrook roof system.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS S.C. Abrams Building			Department/Agency Ranking:	1
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input checked="" type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 125,000	\$ 125,000	\$ 1,000,000			\$ 1,250,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 125,000	\$ 125,000	\$ 1,000,000	\$ 0	\$ 0	\$ 1,250,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS S.C. Abrams Building

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This funding request would be Phase 2 of the abatement and remodel cycle of rooms and offices at Abrams Academy.

- (1) main office
- (3) classrooms
- (1) conference room
- (1) main foyer

FY 2021:

This funding request would be Phase 3 of the abatement and remodel cycle of rooms and offices at Abrams Academy.

- (4) classrooms
- (1) media center
- (1) staff lounge

FY 2022:

This funding request would be Phase 4 and the completion of the abatement, remodel, upgraded HVAC, and roof renovations needed at Abrams Academy.

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS Carysbrook HVAC upgrade			Department/Agency Ranking:	2
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input checked="" type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment	(ITB) Invitation to Bid	\$ 1,000,000					\$ 1,000,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,000,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS Carysbrook HVAC upgrade

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This request would be a completion project for an upgrade of the HVAC systems at Carysbrook Elementary including a new chiller, rooftop air handler units, and controls for the schools.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS FMS Annex Gym Floor			Department/Agency Ranking:	2
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input checked="" type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment		\$ 120,000					\$ 120,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 120,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS FMS Annex Gym Floor

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This funding request would be a completion and replacement project for the FMS Annex gym floor. The current gym floor, which has never been replaced, cannot be sanded as it does not have enough wood to structurally support that process. We continue to seal the floor to preserve its durability from the day to day traffic that it encounters so a replacement is required.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS Central and West Central Bathroom Remodel		Department/Agency Ranking:	2
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling	
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)	
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input checked="" type="checkbox"/> 10. Education
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction			\$ 1,000,000				\$ 1,000,000
Equipment							\$ 0
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 0	\$ 1,000,000	\$ 0	\$ 0	\$ 0	\$ 1,000,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS Central and West Central Bathroom Remodel

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This funding request would be a remodel and completion project for both Central Elementary and West Central bathrooms. Our next step in the process would be to put this request in a 5 year cycle starting with Phase 1 in next year's request.

FY 2021:

FY 2022:

FY 2023:

FY 2024:

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FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS School Buses (6)			Department/Agency Ranking:	1
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input checked="" type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment	SonnyMerryman/Bluebird/Kingsmor	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 3,000,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 3,000,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS School Buses (6)

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This fund request is in an effort to get the FCPS Transportation fleet in the DOE recommended 15 year replacement cycle for buses. FCPS are requesting 6 additional school buses as we currently have (30) buses that are 15 years or older (2003) and (19) of those are 20 years (1998) or older. Nine of these buses are considered spares while 21 are used on a daily basis.

(6) Buses (\$600,000.00)

FY 2021:

In an effort to get the FCPS Transportation fleet in the DOE recommended 15 year replacement cycle for buses we are requesting 6 additional buses.

FY 2022:

In an effort to get the FCPS Transportation fleet in the DOE recommended 15 year replacement cycle for buses we are requesting 6 additional buses.

FY 2023:

In an effort to get the FCPS Transportation fleet in the DOE recommended 15 year replacement cycle for buses we are requesting 6 additional buses.

FY 2024:

In an effort to get the FCPS Transportation fleet in the DOE recommended 15 year replacement cycle for buses we are requesting 6 additional buses.

FY2020-2024 CAPITAL IMPROVEMENT PLAN REQUEST

Fluvanna County

Section 1 - PROJECT INFORMATION

Project Title:	FCPS Student Transport and Vehicles (3)			Department/Agency Ranking:	1
Department/Agency:	Fluvanna County Public Schools	Contact Person:	Don Stribling		
Funding Category:	<input type="checkbox"/> New Project (FY20-24)	<input checked="" type="checkbox"/> Existing Project (FY20-23)	<input type="checkbox"/> FY19 Project (Add'l Funding)		
Applicable Comprehensive Plan Chapter(s):	<input type="checkbox"/> 1. Natural Environment	<input checked="" type="checkbox"/> 4. Transportation	<input type="checkbox"/> 7. Parks and Recreation	<input type="checkbox"/> 10. Education	
	<input type="checkbox"/> 2. Land Use & Community Design	<input type="checkbox"/> 5. Economic Development	<input type="checkbox"/> 8. Housing	<input type="checkbox"/> 11. Public Safety	
	<input type="checkbox"/> 3. Infrastructure	<input type="checkbox"/> 6. Historic Preservation	<input type="checkbox"/> 9. Human Services	<input type="checkbox"/> 12. Financial Sustainability	

Section 2 - PROJECT COSTS

Expenditure Category	Prospective Vendor (if known)	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Engineering & Planning							\$ 0
Construction							\$ 0
Equipment	Basic Auto Sales/State Contract site	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
Land Acquisition							\$ 0
Other (specify)							\$ 0
Other (specify)							\$ 0
TOTALS		\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000

Section 3 - PROJECTED OPERATIONAL COSTS & REVENUES

Additional Anticipated Operational Expenses	FY2020	FY2021	FY2022	FY2023	FY2024	FY20-24 Total
Additional Staff Salary						\$ 0
Benefits	Calculated at 25% of Staff Salary	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Vehicle						\$ 0
Vehicle Insurance						\$ 0
Utilities						\$ 0
Furniture and Fixtures						\$ 0
Equipment						\$ 0
Contractual costs						\$ 0
Other (specify)						\$ 0
Total Operational Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Anticipated Operational Revenues						\$ 0

Project Title:

FCPS Student Transport and Vehicles (3)

Section 4 - PROJECT DESCRIPTIONS OR SPECIAL EXPLANATIONS

FY 2020:

This fund request FCPS is for (3) additional vehicles for the 2019-2020 school year. An ever growing population of individual students, both in the county and out of county, require transportation to and from school necessitate this request on an annual basis. This request is also in coordination with replacing the older vehicles in the fleet.

(2) Student Transport Cars	\$35,000.00
(1) Bus Garage/Maintenance Vehicle	\$40,000.00

FY 2021:

An ever growing population of individual students, both in the county and out of county, that require transportation to and from school necessitate this request on an annual basis. This is also in coordination with replacing the older vehicles in the fleet.

FY 2022:

An ever growing population of individual students, both in the county and out of county, that require transportation to and from school necessitate this request on an annual basis. This is also in coordination with replacing the older vehicles in the fleet.

FY 2023:

An ever growing population of individual students, both in the county and out of county, that require transportation to and from school necessitate this request on an annual basis. This is also in coordination with replacing the older vehicles in the fleet.

FY 2024:

An ever growing population of individual students, both in the county and out of county, that require transportation to and from school necessitate this request on an annual basis. This is also in coordination with replacing the older vehicles in the fleet.

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FY20-24 CIP Request Report

Office/Department/Agency:

County MRR

of Projects Requested:

12

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 296,000	\$ 305,000	\$ 247,500	\$ 167,500	\$ 247,500	\$ 1,263,500

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FY20-24 CIP Request Report

Office/Department/Agency:

Schools MRR

of Projects Requested:

9

Total Project Costs:

FY20	FY21	FY22	FY23	FY24	FY20-24
\$ 395,000	\$ 445,000	\$ 445,000	\$ 395,000	\$ 395,000	\$ 2,075,000



COUNTY OF FLUVANNA

"Responsive & Responsible Government"

132 Main Street
P.O. Box 540
Palmyra, VA 22963
(434) 591-1910
Fax (434) 591-1911
www.fluvannacounty.org

To: Fluvanna County Planning Commission
From: Jason Stewart, AICP
Date: October 9, 2018
Re: Planning Director's Report

Board of Supervisors Actions:

September 19, 2018

None

October 3, 2018

None

Board of Zoning Appeals Actions:

None

Technical Review Committee for September 13, 2018:

- I. **SDP 18:08 Virginia Electric & Power Co.** – A site development plan request to construct an electric transmission substation (major utility), with respect to 27 acres of Tax Map 58, Section A, Parcel 57. The property is located off James Madison Highway (US Route 15), approximately 0.2 miles northeast of the intersection with Bremo Bluff Road (State Route 657). The parcel is zoned A-1 Agricultural, General and located within the Rural Residential Planning Area and the Fork Union Election District.



TRANSACTIONS BY USER REPORT (09/01/2018 TO 09/30/2018) FOR FLUVANNA COUNTY PLANNING DEPARTMENT

Selected Users: Stephanie Keuther

Invoice #	Fee Name	Transaction Date	Transaction Type	Payment Method	Paid Amount
Stephanie Keuther					
BSP18:0016					
INV-00000525	Boundary/Physical Survey, Easement, Correction	09/10/2018	Fee Payment	Check #1019	\$50.00
MSC18:0012					
INV-00000544	Sign Permit	09/21/2018	Fee Payment	Check #46927	\$155.00
SDP18:0008					
INV-00000518	Site Plan Review: Sketch Plan	09/04/2018	Fee Payment	Check #225	\$150.00
SDP18:0009					
INV-00000557	Site Plan Review: Amendment of Plan	09/27/2018	Fee Payment	Check #2300	\$150.00
SUB18:0036					
INV-00000526	Subdivision: GIS Fee (per lot)	09/11/2018	Fee Payment	Check #7671	\$150.00
	Subdivision: Minor	09/11/2018	Fee Payment	Check #7671	\$500.00
SUB18:0037					
INV-00000547	Subdivision: GIS Fee (per lot)	09/21/2018	Fee Payment	Check #1152	\$100.00
	Subdivision: Minor	09/21/2018	Fee Payment	Check #1152	\$500.00
SUB18:0038					
INV-00000554	Subdivision: Resubmission of Prelim/Final Plat	09/25/2018	Fee Payment	Check #3910	\$100.00
SUB18:0039					
INV-00000555	Boundary Adjustment	09/26/2018	Fee Payment	Cash	\$100.00
STEPHANIE KEUTHER				TOTAL CASH:	\$100.00
				TOTAL CHECK:	\$1,855.00
				NET TOTAL:	\$1,955.00
GRAND TOTALS					
				TOTAL CASH:	\$100.00
				TOTAL CHECK:	\$1,855.00
				NET TOTAL:	\$1,955.00

BUILDING INSPECTIONS MONTHLY REPORT

County of Fluvanna

Building Official:	Period:
Kevin Zoll	September 2018

Category	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
BUILDING PERMITS ISSUED														
NEW - Single Family Detached (incl. Trades permits)	2014	7	1	4	6	9	16	5	12	6	8	4	9	87
	2015	4	5	10	9	12	12	14	13	2	4	7	3	95
	2016	11	11	8	15	9	18	6	5	9	2	6	8	108
	2017	3	2	16	6	4	10	6	5	14	5	7	13	91
	2018	8	3	15	11	13	17	13	10	8				98
NEW - Single Family Attached	2014	0	0	6	0	0	0	0	0	0	0	2	0	8
	2015	2	0	0	0	0	0	0	2	0	0	0	0	4
	2016	0	0	0	0	0	5	0	0	0	0	0	0	5
	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
	2018	0	0	0	0	0	0	0	0	0	0			0
NEW - Mobil Homes	2014	0	1	1	0	0	1	1	0	1	0	0	0	5
	2015	0	0	0	0	1	1	0	2	0	0	0	0	4
	2016	0	1	0	0	0	0	0	1	0	0	0	0	2
	2017	0	0	0	0	2	1	0	1	0	0	0	0	4
	2018	0	0	1	1	0	0	0	0	0				2
Additions and Alterations	2014	22	12	17	29	31	28	18	28	31	36	25	25	302
	2015	21	30	38	28	21	30	22	25	23	27	35	18	318
	2016	13	10	31	27	29	29	15	32	31	28	27	27	299
	2017	29	20	29	43	20	29	32	18	23	27	43	28	341
	2018	19	6	10	19	8	13	26	25	32				158
Accessory Buildings	2014	2	0	2	0	4	1	3	5	1	2	2	1	23
	2015	4	4	3	4	1	0	0	2	6	0	0	3	27
	2016	3	4	4	6	2	2	1	2	1	3	3	6	37
	2017	0	4	2	3	2	2	2	4	2	0	2	2	25
	2018	2	3	3	6	2	1	4	2	1				24
Swimming Pools	2014	0	0	0	1	0	0	0	0	0	0	0	1	2
	2015	0	0	0	0	0	0	0	1	1	0	0	0	2
	2016	0	0	0	0	0	1	1	0	0	0	0	0	2
	2017	0	0	0	0	0	1	1	0	0	1	1	0	4
	2018	0	1	1	1	0	1	2	0	1				7
Commercial/Industrial Build/Cell Towers	2014	0	0	0	0	0	2	1	0	0	0	0	1	4
	2015	1	0	0	0	0	0	2	0	0	1	1	1	6
	2016	0	0	2	2	0	0	1	0	1	1	1	1	9
	2017	1	2	0	0	0	0	2	2	1	1	0	0	9
	2018	0	0	0	0	0	2	0	0	0				2
TOTAL BUILDING PERMITS	2014	31	14	30	36	44	48	28	45	39	46	33	37	431
	2015	32	39	51	41	35	43	38	45	32	32	43	25	456
	2016	27	26	45	50	40	55	24	40	42	34	37	42	462
	2017	33	28	47	52	28	43	43	30	40	34	53	43	474
	2018	29	13	30	38	23	34	45	37	42	0	0	0	291
BUILDING VALUES FOR PERMITS ISSUED														
TOTAL BUILDING VALUES	2014	\$1,902,399	\$458,326	\$1,783,992	\$2,540,111	\$2,570,600	\$3,119,933	\$1,724,192	\$2,586,705	\$1,353,471	\$1,922,260	\$1,461,680	\$2,563,409	\$ 23,987,078
	2015	\$1,384,631	\$1,560,716	\$2,916,520	\$3,567,237	\$2,999,918	\$4,280,357	\$5,272,378	\$3,107,731	\$2,625,563	\$2,203,913	\$1,931,893	\$6,252,403	\$ 38,103,260
	2016	\$1,817,981	\$2,555,455	\$5,542,458	\$3,711,821	\$2,447,891	\$5,181,921	\$3,611,179	\$1,817,783	\$3,089,971	\$1,889,279	\$2,028,590	\$2,937,783	\$ 36,632,112
	2017	\$857,767	\$827,724	\$4,859,777	\$2,066,132	\$1,512,789	\$3,676,118	\$1,904,915	\$2,359,988	\$2,846,545	\$1,957,646	\$1,897,110	\$3,479,285	\$ 28,245,796
	2018	\$2,541,433	\$1,075,551	\$3,544,096	\$2,513,241	\$3,834,995	\$5,693,348	\$3,156,593	\$4,729,005	\$3,637,992				\$ 30,726,254

Category	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
LAND DISTURBING PERMITS ISSUED														
LAND DISTURBING PERMITS	2014	8	1	10	4	8	16	3	10	5	9	6	10	90
	2015	6	5	9	10	10	12	15	16	3	5	10	5	106
	2016	12	11	8	14	10	17	7	6	11	3	9	9	117
	2017	3	2	17	7	7	9	6	6	15	8	7	14	101
	2018	10	4	16	13	11	17	13	7	9				100
INSPECTIONS COMPLETED														
TOTAL INSPECTIONS	2014	135	149	103	180	113	168	173	148	155	167	112	162	1,765
	2015	105	137	146	214	113	232	193	181	208	206	149	149	2,033
	2016	116	91	153	157	155	214	249	230	197	181	184	172	2,099
	2017	159	144	171	141	177	152	202	182	153	183	181	169	2,014
	2018	163	148	173	186	215	176	164	220	144				1,589
FEES COLLECTED														
Building Permits	2014	\$9,160	\$2,655	\$10,041	\$11,601	\$11,808	\$18,950	\$6,913	\$12,848	\$8,080	\$11,602	\$9,740	\$11,568	\$ 124,966
	2015	\$6,731	\$8,351	\$13,711	\$16,037	\$13,508	\$16,628	\$14,931	\$18,895	\$10,411	\$8,558	\$10,381	\$9,575	\$ 147,717
	2016	\$11,850	\$11,954	\$11,576	\$14,889	\$8,447	\$18,588	\$12,947	\$7,537	\$11,285	\$12,548	\$8,361	\$11,213	\$ 141,195
	2017	\$4,060	\$3,660	\$22,692	\$9,249	\$6,703	\$11,948	\$9,494	\$7,790	\$13,169	\$6,895	\$9,022	\$12,886	\$ 117,568
	2018	\$8,988	\$4,311	\$9,939	\$14,765	\$13,796	\$23,633	\$14,993	\$8,748	\$10,826				\$ 109,999
Land Disturbing Permits	2014	\$2,125	\$1,225	\$2,400	\$2,300	\$1,310	\$8,500	\$2,739	\$2,850	\$625	\$2,839	\$2,450	\$2,850	\$ 32,213
	2015	\$1,775	\$875	\$1,425	\$3,425	\$1,750	\$1,850	\$2,325	\$3,338	\$1,085	\$2,819	\$10,450	\$2,298	\$ 33,415
	2016	\$3,200	\$2,575	\$1,700	\$1,950	\$2,250	\$2,200	\$4,020	\$875	\$28,074	\$2,000	\$1,450	\$1,200	\$ 51,494
	2017	\$475	\$800	\$7,000	\$1,523	\$2,366	\$2,425	\$1,733	\$7,784	\$2,100	\$2,050	\$1,000	\$1,625	\$ 30,881
	2018	\$1,450	\$5,975	\$1,890	\$1,625	\$1,625	\$2,850	\$1,625	\$1,175	\$1,125				\$ 19,340
Zoning Permits/ Proffers	2014	\$1,000	\$250	\$1,800	\$1,100	\$14,200	\$2,400	\$1,050	\$19,900	\$1,400	\$1,350	\$950	\$1,700	\$ 47,100
	2015	\$1,200	\$1,000	\$1,650	\$2,600	\$1,500	\$1,850	\$1,850	\$2,400	\$1,650	\$1,050	\$900	\$850	\$ 18,500
	2016	\$1,150	\$1,250	\$1,800	\$2,450	\$1,650	\$2,700	\$1,150	\$1,150	\$1,900	\$1,050	\$900	\$850	\$ 18,000
	2017	\$400	\$1,000	\$2,400	\$950	\$1,500	\$1,800	\$1,245	\$1,250	\$1,600	\$1,050	\$1,250	\$1,550	\$ 15,995
	2018	\$1,400	\$800	\$1,750	\$1,600	\$1,400	\$2,200	\$2,050	\$1,400	\$1,050				\$ 13,650
TOTAL FEES	2014	\$12,285	\$4,130	\$14,241	\$15,001	\$27,318	\$29,850	\$10,702	\$35,598	\$10,105	\$15,791	\$13,140	\$16,118	\$ 204,279
	2015	\$9,706	\$10,226	\$16,786	\$22,062	\$16,758	\$20,328	\$19,106	\$24,633	\$13,146	\$12,427	\$21,731	\$12,723	\$ 199,632
	2016	\$16,200	\$15,779	\$15,076	\$19,289	\$12,347	\$23,488	\$18,117	\$9,562	\$41,259	\$15,598	\$10,711	\$13,263	\$ 210,689
	2017	\$4,935	\$5,460	\$32,092	\$11,722	\$10,569	\$16,173	\$12,472	\$16,824	\$16,869	\$9,995	\$11,272	\$16,061	\$ 164,444
	2018	\$11,838	\$11,086	\$13,579	\$17,990	\$16,821	\$28,683	\$18,668	\$11,323	\$13,001	\$0	\$0	\$0	\$ 142,989

**FLUVANNA COUNTY PLANNING COMMISSION
REGULAR MEETING MINUTES
County Administration Building, Morris Room
September 11, 2018
Regular Meeting 7:00pm**

MEMBERS PRESENT: Barry Bibb, Chairman
Ed Zimmer, Vice Chairman
Lewis Johnson
Gequetta "G." Murray-Key
Howard Lagomarsino
Patricia Eager, Board of Supervisors Representative

ALSO PRESENT: Jason Stewart, Planning and Zoning Administrator
Brad Robinson, Senior Planner
Holly Steele, Planner
Fred Payne, County Attorney
Stephanie Keuther, Senior Program Support Assistant

Absent: None

Open the Regular Meeting at 7: 00pm (Mr. Barry Bibb, Chairman)

The Pledge of Allegiance followed by a Moment of Silence.

Director's Report: Mr. Stewart:

Board of Supervisors Actions:

August 15, 2018

SUP 18:03 Virginia Electric and Power Co. – A request for a special use permit to construct an electric transmission substation (major utility), with respect to 27 acres of Tax Map 58, Section A, Parcel 57. The property is located off James Madison Highway (US Route 15), approximately 0.2 miles northeast of the intersection with Bremono Bluff Road (State Route 657). The parcel is zoned A-1 Agricultural, General and located within the Rural Residential Planning Area and the Fork Union Election District. **(Approved 5-0)**

September 5, 2018

None

Board of Zoning Appeals Actions:

None

Technical Review Committee for August 9, 2018:

- I. **SDP 18:06 VSI Supply** – A site development plan request to construct a 10,000 sq. ft. building and associated parking for light industrial use, with respect to 1.651 acres of Tax Map 5, Section 24, Parcel 3. The property is located within the Zion Station Subdivision between Zion Station Road (Route 1021) and Richmond Road (Route 250). The parcel is zoned I-1, Industrial, Limited and located within the Zions Crossroads Community Planning Area and the Columbia Election District.
- II. **SUB 18:28 Mapledale LLC** – A rural cluster major subdivision request with respect to 329.34 acres of Tax Map 41, Section A, Parcels 44 & 46. The applicant is proposing 13 building lots with 249.27 acres designated as open space. The property is located along Carys Creek Road (Route 672), approximately 1.1 miles west of its intersection with James Madison Highway (Route 15). The parcels are zoned A-1, Agricultural, General and located within the Rural Preservation Planning Area and the Fork Union Election District.

Public Comments #1 (Limited to 3 minutes):

None

Approval of Minutes

Minutes of August 07, 2018

Motion:

Johnson made a motion to approve the Minutes of August 07, 2018 Planning Commission meeting as presented. Seconded by Zimmer. The motion was approved with a vote of 5-0-0 AYE: Johnson, Bibb, Zimmer, Murray-Key, and Lagomarsino. NAY: None ABSTAIN: None ABSENT: None

Public Hearing:

ZTA 18:05 – Density Text Amendment - Brad Robinson, Senior Planner

Amend Chapter 22, Article 7 of the Fluvanna County Code By Certain Amendments to Section and Subsection 22-7-8, Thereof, Concerning Permitted Residential Density in the R-3 District. The public purpose of these amendments is to bring density allowances in line with the Comprehensive Plan.

Gary Hanavin 953 Jefferson Drive: There has been talk about a rezoning and density buildings going in across the street by the condominium area that I live at. There has been no notifications. My neighbors and I that live across the street have been kept out of all planning. The people in the condominium association were told not to speak with us. We were actually kicked out of the meetings. When it comes to rezoning at the lake...

Bibb: Sir, what we're here talking about is the zoning text amendment. What you're talking about has nothing to do with this zoning text amendment. You could have spoken at the first public comment section about this particular item. But this is not in line with the zoning text amendment. If you like you may speak at the next public comment section.

Motion:

Lagomarsino made a motion that the Planning Commission recommend approval of ZTA 18:05, An Ordinance to Amend Chapter 22, Article 7 of the Fluvanna County Code by Certain Amendments to Section and Subsection 22-7-8, Thereof, Concerning Permitted Residential Density in the R-3 District. The public purpose of these amendments is to bring density allowances in line with the Comprehensive Plan. Seconded by Murray-Key. The motion was approved with a vote of 5-0-0 AYE: Johnson, Bibb, Zimmer, Murray-Key, and Lagomarsino. NAY: None ABSTAIN: None ABSENT: None

ZTA 18:06 - Home Occupations Text Amendment – Brad Robinson, Senior Planner

Amend Chapter 22 Of The Fluvanna County Code By The Amendment Of Section 22-4-2.1, Regarding Uses Permitted By Right In The A-1 Agricultural District Relating To "Studios, Fine Arts"; Section 22-15-3 Regarding Certain Signs In The A-1 Agricultural, The R-1, R-2, R-4 and MHP Residential Districts, Relating To Home Occupations; Section 22-22-1, Definitions, Relating To Home Occupations And Studios, Fine Arts; And By The Addition Of A Subsection 22-17-19 Providing General Standards For Home Occupations. The public purpose of these amendments is to promote good planning practice and economic development.

Public Hearing Comments:

- **Rudy Garcia, 802 Rivanna Woods Drive:** Spoke in favor of ZTA 18:06 - Home Occupations Text Amendment
- **Andy Sorrell, 637 Courthouse Rd:** Spoke in favor of ZTA 18:06 - Home Occupations Text Amendment
- **Patricia Johnson, 317 Shannon Hill Rd:** Spoke in favor of ZTA 18:06 - Home Occupations Text Amendment
- **Linda Staiger, 2949 Ridge Road:** Spoke in favor of ZTA 18:06 - Home Occupations Text Amendment

Zimmer: Is there a part that addresses AirB&B's?

Stewart: We decided to address that separately. We will come back with another text amendment for that.

Eager: I was in St. Louis over the weekend visiting and went to a fine arts fair. There were hundreds of people from all over the country, with tents set up and art on display. It was remarkable. I was hoping we could do something like that on a smaller scale.

Stewart: For the benefit of the folks that came out tonight, the BOS advertisement in the Fluvanna Review for the Home Occupations Text Amendment didn't go out in time, and will not be heard until the next BOS meeting on October 17, 2018.

Murray-Key: I would like to say; even with me being new to the board and knowing that, we are servants of the public that this being a great interest of all the different entities that we are a part of as a community and hearing them represent other folks that we would not necessarily have interaction with. Those that do artwork, those that do home businesses; they contribute a lot to this community and maybe will be able to see more. We have to think of the children and their opportunities to display those things and how to do things right. I think by the work that's been put in prior to me being here and apart of the commission that it is important to me that the commission listens and processes what the community is asking for and making those decisions according to the Comprehensive plan.

Motion:

Zimmer made a motion that the Planning Commission recommend approval of ZTA 18:06, an ordinance to amend Chapter 22 of the Fluvanna County code by the amendment of Section 22-4-2.1, regarding uses permitted by right in the A-1 Agricultural District relating to "studios, fine arts"; Section 22-15-3 regarding certain signs in the A-1 Agricultural, the R-1, R-2, R-4 and MHP residential districts, relating to home occupations; Section 22-22-1, Definitions, relating to home occupations and studios, fine arts; and by the addition of a Subsection 22-17-19 providing general standards for home occupations. The public purpose of these amendments is to promote good planning practice and economic development. Seconded by Murray-Key. The motion was approved with a vote of 5-0-0 AYE: Johnson, Bibb, Zimmer, Murray-Key, and Lagomarsino. NAY: None ABSTAIN: None ABSENT: None

PRESENTATIONS:

None

Site Development Plans:

SDP 18:06 - VSI Supply – Zion Station Lot 3 – Brad Robinson, Senior Planner

Approval of a sketch plan request to construct two warehouse/office buildings and associated parking with respect to 1.651 acres of Tax Map 5, Section 24, Parcel 3. The affected property is located within the Zion Station industrial subdivision between Zion Station Road (Route 1021) and Richmond Road (Route 250). This property was rezoned from A-1 to I-1 on August 5, 1985 (ZMP 85:02).

Recommended Conditions:

1. Meet all final site plan requirements which include, but are not limited to, providing parking, landscaping, and outdoor lighting;
2. Meet all required Erosion and Sedimentation Control regulations;
3. Meet all VDOT requirements.

Zimmer: What is the use of the buildings?

Representative, Jenni Pack, Collins Engineering: VSI Supply, which are plumbing products.

Motion:

Murray-Key made a motion to approve SDP 18:06, a sketch plan request to construct two warehouse/office buildings and associated parking with respect to 1.651 acres of Tax Map 5, Section 24, Parcel 3, subject to the conditions listed in the staff report. Seconded by Zimmer. The motion was approved with a vote of 5-0-0 AYE: Johnson, Bibb, Zimmer, Murray-Key, and Lagomarsino. NAY: None ABSTAIN: None ABSENT: None

Motion:

Murray-Key made a motion to approve a sidewalk waiver to SDP 18:06, a sketch plan to construct two warehouse/office buildings and associated parking with respect to 1.651 acres of Tax Map 5, Section 24, Parcel 3, pursuant to County Code Section 22-23-6.6.A Seconded by Johnson. The motion was approved with a vote of 5-0-0 AYE: Johnson, Bibb, Zimmer, Murray-Key, and Lagomarsino. NAY: None ABSTAIN: None ABSENT: None

Subdivisions:

None

Unfinished Business:

None

New Business:

None

Public Comments:

Gary Hanavin, 953 Jefferson Drive: I believe you know what's going on with the situation at the lake?

Payne: The County doesn't have anything to do with that. We actually litigated that once and the county prevailed. There's been discussion of bringing it back; it has not been brought back. As far as your relationship with the condo association, technically they probably have a right to exclude you, it's not a public meeting. It's a private corporation meeting. This really isn't any affair of the county. The county has nothing before it; there's been discussion of it but no proposal. The matter you heard tonight doesn't apply to this property.

Adjourn:

Chairman Bibb adjourned the Planning Commission meeting of September 11, 2018 at 7:40 p.m.
Minutes recorded by Stephanie Keuther, Senior Program Support Assistant.

Barry A. Bibb, Chairman
Fluvanna County Planning Commission



COUNTY OF FLUVANNA

"Responsive & Responsible Government"

132 Main Street
P.O. Box 540
Palmyra, VA 22963
(434) 591-1910
Fax (434) 591-1911
www.fluvannacounty.org

STAFF REPORT

To: Fluvanna County Planning Commission
Case Number: SDP 18:08
Tax Map: Tax Map 58, Section A, Parcel 57

From: Brad Robinson
District: Fork Union
Date: October 9, 2018

General Information:

This item is scheduled to be heard by the Planning Commission on Tuesday, October 9, 2018 at 7:00 p.m. in the Fluvanna County Administration Building Morris Room.

Applicant:

Virginia Electric and Power Co.

Owner:

Richard & Lindsay White

Representative:

John Mulligan, Virginia Electric and Power Co.

Requested Action:

Approval of a sketch plan request to construct an electric transmission substation (major utility), with respect to 26.930 acres of Tax Map 58, Section A, Parcel 57. (Attachment A)

Location:

The property is located off James Madison Highway (US Route 15), approximately 0.2 miles northeast of the intersection with Bremono Bluff Road (State Route 657). (Attachment B)

Existing Zoning:

A-1, Agricultural, General

Existing Land Use:

Vacant/undeveloped

Adjacent Land Uses:

Adjacent properties are zoned A-1.

Comprehensive Plan:

Rural Residential Planning Area

Zoning History:

A special use permit for an electric transmission substation was approved by the Board of Supervisors on August 15, 2018 (SUP 18:03).

The Planning Commission recommended approval of the special use permit by a vote of 5-0 on July 10, 2018.

A subdivision plat (SUB 18:30) to divide 26.930 acres from the original 72.681 acre parcel, 58-A-57, was approved on September 5, 2018. The new parcel will be identified as Tax Map 58-A-57A.

Analysis:

The applicant is requesting sketch plan approval to construct a new electric transmission substation on property zoned A-1 and 26.930 acres in size. The substation will be operated by Virginia Electric and Power Co. (otherwise known as Dominion Energy). The new substation is needed to replace power generation units that were shut down at the Bremo Power Station. Major utilities require a special use permit approval in the A-1 district, which this project received on August 15, 2018.

In accordance with the concept plan, the project will consist of substation equipment enclosed by a 12' security fence and a gravel equipment access road. Substation equipment will include a power transformer, switches, breakers, aerial bus conductors, capacitor bank, transmission line dead-end structures, static posts and a control enclosure.

In accordance with Sec. 22-24-3 of the zoning ordinance, the sketch plan is in compliance with the minimum building setback requirements.

(Attachment C)

Parking/Roads

The subject property does not have direct frontage along a public road but will be accessed by an existing driveway from James Madison Highway (Route 250). A 30' width permanent ingress/egress easement has been established to guarantee the applicant access to the substation. No parking areas are proposed on the property.

Landscaping/Screening

All landscaping should be in compliance with Article 24 of the Fluvanna County Zoning Ordinance. Section 22-24-7 requires objectionable features to be screened from the view of public roads, rights-of-way and adjacent properties. Some existing vegetation around the perimeter of the site will help to screen the project from adjacent properties. The applicant proposes to plant trees along the northwestern corner of the property where no existing vegetation is located. Condition #4 from the special use permit approval exempts landscaping from being required within the transmission right-of-way.

Outdoor Lighting

According to the sketch plan, all proposed lighting fixtures will be located within the substation. All outdoor lighting must be fully shielded and utilize full cut-off lighting fixtures per Sec. 22-25-5.

Stormwater Management

The Virginia Department of Environmental Quality (DEQ) has approved the Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management for Dominion Energy Electric Transmission dated December 12, 2017.

Technical Review Committee:

The following comments were received from the Technical Review Committee:

1. Department of Forestry did not have any comments.
2. Fire Chief did not have any comments.
3. Sheriff's Department did not have any comments.
4. VDOT:
 - SIGHT DISTANCE SURVEY (Sheet 1 of 1) - the Rte. 15 road profile shown at the location of the existing entrance should provide in excess of 610 of intersection sight distance in each direction which is appropriate for the 55 mph speed limit. Throughout the duration of the construction project, make sure that the Rte. 15 road bank is mowed and/or overhanging limbs are trimmed as necessary to ensure that a minimum of 610 feet of sight distance is available.
 - During the construction phase the existing entrance will function as a Construction Entrance and may need to be upgraded to accommodate construction traffic. At the conclusion of the construction project, dress up the entrance with compacted VDOT #21A stone.
 - All traffic control associated with the project shall be in accordance with the 2015 Virginia Work Area Protection Manual.
 - A VDOT Land Use Permit is required.

(Attachment D)

Conclusion:

The submitted sketch plan appears to meet the sketch plan requirements of Section 22-23-8.A of the Fluvanna County Zoning Ordinance. Prior to final approval, a site development plan that meets the requirements of Articles 23 through 26 of the Fluvanna County Zoning Ordinance must be submitted for staff review and approval.

Recommended Conditions:

1. Meet all final site plan requirements which include, but are not limited to, providing parking, landscaping, and outdoor lighting;
2. Meet all required Erosion and Sedimentation Control regulations;
3. Meet all VDOT requirements.

Suggested Motions:

I move to approve SDP 18:08, a sketch plan request to construct an electric transmission substation (major utility), with respect to 26.930 acres of Tax Map 58, Section A, Parcel 57, subject to the conditions listed in the staff report.

Attachments:

- A – Application
- B – Aerial Vicinity Map
- C – Site sketch plan
- D – TRC comment letter
- E – SUP 18:03 approval letter

Copy:

Applicant: John Mulligan, Virginia Electric & Power Co, 701 East Cary Street, Richmond VA 23219
File



COMMONWEALTH OF VIRGINIA
 COUNTY OF FLUVANNA
 Site Development Application

Owner of Record: RICHARD H. & LINDSAY K. WHITE Applicant of Record: VIRGINIA ELECTRIC AND POWER COMPANY d/b/a DOMINION ENERGY

E911 Address: NOT ASSIGNED (2100 BLOCK JAMES MADISON HWY) E911 Address: NOT ASSIGNED (2100 BLOCK JAMES MADISON HWY)

Phone: 434 842-3826 Fax: _____ Phone: (804) 771-6937 Fax: (804) 771-6303

Email: _____ Email: john.a.mulligan@dominionenergy.com

Representative: VIRGINIA ELECTRIC AND POWER COMPANY d/b/a DOMINION ENERGY

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.

E911 Address: NOT ASSIGNED (2100 BLOCK JAMES MADISON HWY)

Is property in Agricultural Forestal District? No Yes

Phone: (804) 771-6937 Fax: (804) 771-6303

If Yes, what district: N/A

Email: john.a.mulligan@dominionenergy.com

Tax Map and Parcel(s): TAX MAP 5B, SECTION A, PARCELS 7 Deed Book Reference: D.B. 133, Page 345

Acreage: 26.93 ACRES OF A 13 AC. PARCEL Zoning: A-1 Deed Restrictions? No Yes (Attach copy)

Location: 2.13 MILES NORTH OF FLUVANNA/BUCKINGHAM COUNTY LINE (JAMES RIVER), EAST OF U.S. RTE. 15

Description of Property: OPEN PASTURE, TRANSMISSION LINE EASEMENT AND WOODED TO THE EAST AND WEST OF THE SITE. TERRAIN CONSISTS OF ROLLING HILLS. ACCESS OFF OF US. 15

Proposed Structure: SUBSTATION EQUIPMENT, 12-FT SECURITY FENCE AND UNMANNED CONTROL ENCLOSURE

Dimensions of Building: 80' x 24' (1-STORY) NO WATER & NO PLUMBING Lighting Standards on Site: No Yes

of Employees: 0 # of Parking Spaces: 0

Noise Limitations: _____

I declare that the statements made and information given on this application are true, full and correct to the best of my knowledge and belief. I agree to conform fully to all terms of any certificate or permit which may be issued on account of this application.

John Mulligan
 Applicant Name (Please Print)

John D. Mulligan 9/4/18
 Applicant Signature and Date

OFFICE USE ONLY

Date Received: 9-4-18 Fee Paid: 150.00 # 225 Application #: SDP 18 : 08
 Election District: FORK UNION Planning Area: Rural Res. Number of Lots: _____

Total Fees Due at Time of Submittal

Sketch Plan: \$150.00 Minor Plan: \$550.00 Major Plan: \$1,100.00

Additional Fees Due at Time of Review

Street Sign Installation: \$200.00 Per Intersection
 Amendment of Plan \$150.00
 Outdoor Lighting Plan Review* \$ 50.00
 Landscape Plan Review* \$ 50.00
 Tree Protection Plan Review* \$ 50.00

* If not part of a Site Plan Review



9211 Arboretum Parkway, Suite 200
Richmond, Virginia 23236
PH 804.767.2206
FAX 804.767.2182
www.geosyntec.com

04 September 2018

Fluvanna County Planning Department
123 Main Street
Palmyra, VA 22963
Attention: Mr. Brad Robinson, CZA, Senior Planner

Subject: Fork Union Substation Major Site Development Plan – Sketch Plan

Mr. Robinson:

On behalf of Dominion Energy, Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit the required documentation for the subject application. As previously discussed with Fluvanna County staff, all erosion & sediment control and stormwater requirements and approvals are subject to the Dominion Annual Standards and Specifications. Therefore, land disturbing requirements will be administered directly through the Virginia Department of Environmental Quality. Below are the items enclosed for your review and approval with this site plan submission:

- Twenty (20) 11"x17" copies of the Site Sketch Plan
- Three (3) full-sized folded copies of the Site Sketch Plan
- One (1) signed copy of the County of Fluvanna Major Site Development Plan – Sketch Plan Checklist.
- One (1) signed copy of the County of Fluvanna Site Development application
- One (1) fee check for \$150 for the Sketch Plan submittal

Please do not hesitate to call me directly at 804.665.2809 or by email ccocker@geosyntec.com if you have any questions or require any other information

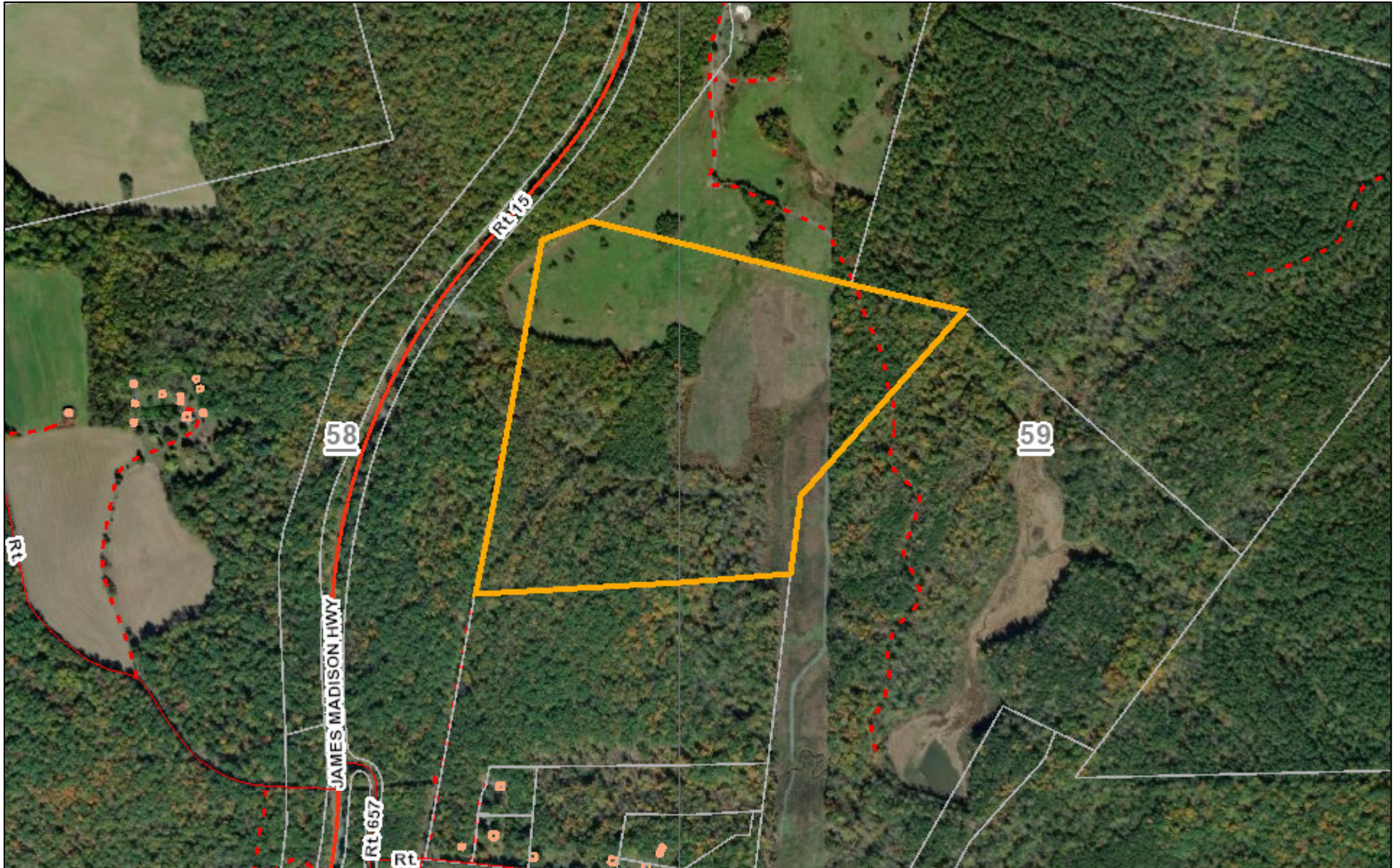
Sincerely,

A handwritten signature in blue ink, appearing to read "Chris M. Cocker".

Chris Cocker
Project Professional

cc: John Mulligan, Dominion Energy

Fluvanna County, VA WebGIS Parcels - PIN: 58 A 57



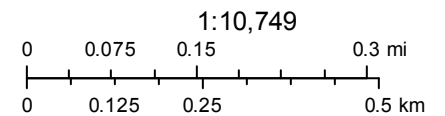
October 4, 2018

● Address Points

Roads

— Interstate

— Primary



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

DOMINION SITE PREPARATION PERFORMANCE SPECIFICATIONS

IT IS THE INTENT OF THESE SPECIFICATIONS TO HAVE A COMPLETELY PREPARED SITE FOR THE CONSTRUCTION OF AN ELECTRICAL FACILITY AT THE COMPLETION OF THE "WORK" AS INDICATED ON THE DRAWINGS, SPECIFICATIONS, OR OTHER DOCUMENTS PROVIDED.

THE REGULATIONS OF ALL LOCAL, STATE, OR FEDERAL GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE WORKING AREAS SHALL BE OBSERVED AT ALL TIMES.

ANY SPECIFICATIONS OR INSTRUCTIONS APPEARING ON THE DRAWINGS SHALL HAVE PRECEDENCE OVER THE WRITTEN SPECIFICATIONS WHICH APPEAR HEREIN, IN THE EVENT THAT A DISCREPANCY OR OMISSION HAS OCCURRED, DOMINION SHALL BE CONSULTED FOR RESOLUTIONS.

ALL "WORK" SHALL BE PERFORMED IN A MANNER CONSISTENT WITH THE BEST PRACTICES OF THE TRADES INVOLVED.

ALL "WORK" SHALL BE PERFORMED WITHIN THE LIMITS OF THE PROPERTY / RIGHTS-OF-WAY SHOWN ON THE DRAWINGS. THE CONTRACTOR WILL RECOGNIZE AND ABIDE BY ALL TERMS AND CONDITIONS OF PERMITS, EASEMENTS, AND AGREEMENTS RELATING TO THE PROJECT.

CLEARING AND GRUBBING

LIMITS FOR CLEARING AND/OR GRUBBING SHALL BE AS DEFINED ON THE DRAWINGS. CLEARING SHALL CONSIST OF REMOVAL AND DISPOSAL OF BRUSH, DOWNED TIMBER, LOGS, STANDING TREES AND SNAGS, OTHER GROWTH AND ANY ITEMS THAT WOULD INTERFERE WITH CONSTRUCTION OPERATIONS.

GRUBBING SHALL CONSIST OF REMOVAL AND DISPOSAL OF STUMPS, BURIED LOGS, ROOTS GREATER THAN 1/2" DIAMETER, AND ANY OTHER ORGANIC MATERIAL BELOW THE GROUND SURFACE. ALL CLEARED AREAS WILL BE GRUBBED UNLESS OTHERWISE NOTED.

DISPOSAL OF CLEARED/GRUBBED MATERIAL BY BURNING SHALL ONLY BE USED WHEN WRITTEN APPROVAL IS OBTAINED FROM LOCAL AUTHORITIES AND DOMINION. OTHERWISE, DISPOSAL SHALL BE OUTSIDE THE LIMITS OF DOMINION CONTROLLED LAND.

TOPSOIL

ALL TOPSOIL AND SURFACE SOILS CONTAINING ORGANIC MATERIAL SHALL BE REMOVED FROM THE GRUBBED AREA. TOPSOIL SHALL BE STOCKPILED FOR FUTURE USE IN APPROVED LOCATIONS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

TOPSOIL SHALL NOT BE USED AS, OR MIXED WITH, FILL MATERIAL IN THE CONSTRUCTION OF EARTH EMBANKMENTS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

TOPSOIL MATERIAL USED AS A SURFACE DRESSING SHALL BE REASONABLY FREE OF CINDERS, DEBRIS, AND STONES. UNSUITABLE AND EXCESS TOPSOIL MATERIAL SHALL BE DISPOSED OFFSITE.

EARTHWORK

EXCAVATION : EXCAVATION SHALL BE ACCOMPLISHED BY CUTTING ACCURATELY TO THE CROSS SECTIONS, GRADES, AND ELEVATIONS SHOWN ON THE DRAWINGS.

SOFT, UNSTABLE, OR OTHERWISE UNSATISFACTORY MATERIALS ENCOUNTERED AT THE REQUIRED GRADES SHALL BE REMOVED AS DIRECTED AND REPLACED WITH APPROVED, PROPERLY COMPACTED MATERIAL.

COMMON EXCAVATION SHALL INCLUDE ALL MATERIAL WHICH CAN BE REMOVED BY COMMON EARTH EXCAVATION EQUIPMENT, OTHER THAN SOLID ROCK OR BOULDERS AND DETACHED PIECES OF ROCK, EACH EXCEEDING 2 CUBIC YARDS IN VOLUME.

ROCK EXCAVATION SHALL BE MATERIAL WHICH REQUIRES THE USE OF PNEUMATIC HAMMERS AND/OR EXPLOSIVES FOR REMOVAL.

SITE PREPARATION IF EARTHWORK OPERATIONS ARE PERFORMED DURING WET SEASONS, CONTRACTOR SHALL AVOID OPERATING EQUIPMENT ON SATURATED SOILS. ANY WET SUBGRADE AREAS WHICH RECEIVE COMPACTED FILL SHALL BE DRAINED AND ALLOWED TO DRY.

THE EXPOSED SUBGRADES OF THE BUILDING PAD AND ROADBEDS SHALL BE PROOFROLLED TO DETECT UNSUITABLE SOIL CONDITIONS. PROOFROLLING SHALL BE DONE AFTER A SUITABLE PERIOD OF DRY WEATHER TO AVOID DEGRADING THE SUBGRADE. PROOFROLLING SHALL BE PERFORMED WITH A HEAVILY LOADED DUMP TRUCK OR WITH SIMILAR APPROVED CONSTRUCTION EQUIPMENT.

SOFT MATERIALS ENCOUNTERED SHALL BE COMPLETELY EXCAVATED AND REPLACED WITH APPROVED FILL MATERIALS.

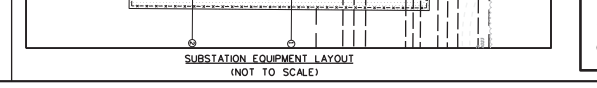
BENCHING : BENCHING SHALL CONSIST OF A SERIES OF HORIZONTAL CUTS BEGINNING AT THE TOE OF THE EXISTING SLOPED SURFACE AND CONTINUING AT EACH VERTICAL INTERSECTION OF THE PREVIOUS CUT. SATISFACTORY MATERIAL REMOVED DURING THIS OPERATION SHALL BE RECOMPACTED ALONG WITH THE NEW EMBANKMENT MATERIAL AS GENERALLY SPECIFIED, EXCEPT MOISTURE CONTENT SHALL BE MAINTAINED WITHIN 10 PERCENT OF THE OPTIMUM.

BENCHING SHALL BE REQUIRED FOR ALL FILL EMBANKMENTS PLACED ON EXISTING SLOPES AS FOLLOWS : SLOPES STEEPER THAN 4:1 BUT NOT STEEPER THAN 1 1/2:1, THE BENCH SHALL BE AT LEAST 6 FT. IN WIDTH.

EMBANKMENT : EMBANKMENT WORK SHALL CONSIST OF THE PLACEMENT AND COMPACTION OF FILL MATERIAL, ABOVE THE NATURAL GROUND OR OTHER SURFACE IN CONFORMANCE WITH THE DRAWINGS.

SUBSTATION GENERAL EQUIPMENT LEGEND

- 1 CONTROL ENCLOSURE 4 OVERHEAD ALUMINUM BUS 8 CAPACITOR BANKS
2 TRANSMISSION BACKBONE STRUCTURE 5 CABLE TROUGH 9 EQUIPMENT ACCESS
3 SWITCH STRUCTURE 6 TRANSFORMER 10 BREAKER
SUBSTATION SECURITY FENCE



MATERIALS : APPROVED SOILS USED IN COMPACTED FILLS SHALL BE FREE OF DEBRIS AND FIBROUS ORGANIC MATERIAL. FROZEN MATERIAL WILL NOT BE PERMITTED IN THE FILL. SATISFACTORY MATERIALS SHALL COMPRISE THOSE CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL SYSTEM, ASTM D-2487 AS GW, GP, SW, SP, SM, AND SC. THESE MATERIALS SHALL POSSESS A MAXIMUM DRY DENSITY OF 100 *#/CU.FT. OR GREATER REFERENCED TO ASTM D-698 STANDARD PROCTOR. SOILS SHALL HAVE A LIQUID LIMIT LESS THAN 40 PERCENT AND A PLASTICITY INDEX LESS THAN 15. OTHER MATERIALS, WHEN APPROVED BY ENGINEERING, MAY BE PERMITTED IN FILL AREAS.

UNSATISFACTORY SOILS INCLUDE THOSE CLASSIFIED AS PT, OH OR OL, CH, MH, CL AND ML, AS REFERENCED TO ASTM D-2487. COMPACTION : COMPACTION EQUIPMENT SHALL CONSIST OF VIBRATORY OR TAMPING ROLLERS, SHEEPSFOOT ROLLER, PNEUMATIC-TIRED ROLLERS, THREE-WHEEL POWER ROLLERS, WALK BEHIND VIBRATORY ROLLERS, VIBRATORY PLATE OR OTHER APPROVED EQUIPMENT WELL SUITED TO THE SOIL BEING COMPACTED.

APPROVED FILL MATERIAL SHALL BE PLACED IN UNIFORM HORIZONTAL LIFTS OF APPROXIMATELY 8" DEPTH (LOOSE MEASUREMENT), EXCEPT FOR ROAD MATERIALS ABOVE SUBGRADE ELEVATION AND THE UPPER 12" OF BUILDING PADS WHICH REQUIRE 6" LIFTS. WHERE WALK BEHIND ROLLERS AND VIBRATORY PLATE COMPACTORS ARE USED, THE LIFT THICKNESS SHALL NOT EXCEED 4".

GENERALLY, FILLS SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698), WITH MOISTURE CONTENT RANGING BETWEEN LESS THAN 3 PERCENT UP TO THE OPTIMUM AS DETERMINED BY THE PROCTOR DENSITY TEST. THE UPPER 12" OF ROADBEDS AND CONTROL ENCLOSURE BUILDING PADS REQUIRE 95 PERCENT COMPACTION REFERENCED TO ASTM D-698, WITH MOISTURE CONTENT MAINTAINED WITHIN 2 PERCENT OF THE OPTIMUM.

EACH SUCCESSIVE LIFT WILL BE PLACED ON FIRM APPROVED SUBGRADE OR COMPACTED FILL. WHERE PREVIOUS LIFTS ARE FOUND TO BE UNACCEPTABLE, THE AREA WILL BE SCARIFIED, AERATED OR MOISTENED, RECOMPACTED OR REMOVED, AND REPLACED AS REQUIRED.

DRAINAGE : THE FILL SURFACE SHALL BE ADEQUATELY MAINTAINED DURING CONSTRUCTION. THE SURFACE SHALL BE SLOPED TO ACHIEVE SUFFICIENT DRAINAGE, AND TO PREVENT WATER FROM PONDING ON THE FILL. IF PRECIPITATION IS EXPECTED WHILE FILL CONSTRUCTION IS TEMPORARILY HALTED, THE SURFACE SHALL BE ROLLED WITH RUBBER-TIRED OR STEEL-DRUMMED EQUIPMENT TO IMPROVE SURFACE RUNOFF. FOR PLACEMENT DURING OR AFTER DIFFICULT WEATHER CONDITIONS, WET OR FROZEN MATERIAL SHALL BE REMOVED.

FINISHED GRADE TOLERANCES : THE TOP OF EARTHWORK FOR SWITCHING STATION PAD AND ROADWAY TRAVEL AREAS SHALL BE WITHIN 0.10 FT. ABOVE OR BELOW THE THEORETICAL GRADE.

EARTH SLOPES : EXCAVATED SLOPES STEEPER THAN 3:1 SHALL BE ROUGH GRADED IN A MANNER TO PROVIDE HORIZONTAL RIDGES AND GROOVES HAVING AN AVERAGE DEVIATION NO GREATER THAN 0.75 FT. FROM THE THEORETICAL LINE OF THE TYPICAL CROSS SECTION.

EXCAVATED SLOPES 3:1 OR FLATTER SHALL BE UNIFORMLY FINISHED AND SHALL NOT DEVIATE FROM THE THEORETICAL PLANE SURFACE BY MORE THAN 0.50 FT.

EMBANKMENT SLOPES STEEPER THAN 3:1 SHALL BE ROUGH GRADED IN A MANNER TO PROVIDE HORIZONTAL RIDGES AND GROOVES NOT MORE THAN 0.50 FT. FROM THE THEORETICAL LINE OF THE TYPICAL CROSS SECTION.

EMBANKMENT SLOPES 3:1 OR FLATTER SHALL BE UNIFORMLY FINISHED AND SHALL NOT DEVIATE FROM THE THEORETICAL PLANE SURFACE BY MORE THAN 0.50 FT.

ROCK SLOPES : SHALL NOT DEVIATE FROM A PLANE SURFACE BY MORE THAN 2.0 FT. AND SHALL NOT DEVIATE FROM THEIR THEORETICAL LOCATION BY MORE THAN 2.0 FT. MEASURED ALONG ANY LINE PERPENDICULAR TO THE THEORETICAL SLOPE LINE.

MATERIALS / INSTALLATION

VDOT : ITEMS REFERENCED TO THE VIRGINIA DEPARTMENT OF TRANSPORTATION SHOWN ON THE DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF THEIR LATEST STANDARDS AND SPECIFICATIONS.

MANUFACTURERS' ITEMS : ITEMS REFERENCED TO SPECIFIC MANUFACTURERS OR BRAND NAMES SHALL BE SUBJECT TO ANY RECOMMENDATIONS OR LIMITATIONS PERTAINING TO THEIR INSTALLATION OR USE.

REQUESTS FOR SUBSTITUTIONS MUST BE APPROVED BY ENGINEERING. SUFFICIENT INFORMATION REGARDING REQUESTS MUST BE RECEIVED BY ENGINEERING 10 DAYS IN ADVANCE OF APPROVAL.

RESPONSIBLE LAND DISTURBER DESIGNATION

THE PERSON IDENTIFIED BELOW IS DESIGNATED AS THE RESPONSIBLE LAND DISTURBER WHO WILL BE IN CHARGE OF AND RESPONSIBLE FOR CARRYING OUT THE LAND DISTURBING ACTIVITY ASSOCIATED WITH THIS PROJECT. THIS PERSON MEETS THE APPLICABLE REQUIREMENTS OF VIRGINIA CODE SECTION 10.1-563 AND 10.1-566 BY VIRTUE OF THE FOLLOWING:

- RESPONSIBLE LAND DISTURBER CERTIFICATE
DCR CERTIFICATION FOR COMBINED ADMINISTRATOR, ADMINISTRATOR, PLAN REVIEWER, INSPECTOR, OR CONTRACTOR.
VIRGINIA PROFESSIONAL ENGINEER, LAND SURVEYOR, LANDSCAPE ARCHITECT, OR ARCHITECT.

RESPONSIBLE LAND DISTURBER CONTACT INFORMATION:

NAME (SIGNATURE) _____ DATE _____
NAME (PRINT) : DAVID PERRY
CERTIFICATION / REGISTRATION NUMBER : 42567
COMPANY : DOMINION ENERGY
MAILING ADDRESS : 2501 GRAYLAND AVENUE
RICHMOND, VA 23260
TELEPHONE : (804) 257-4631 FAX :
E-MAIL : david.perry@dominionenergy.com

THIS DESIGNATION MAY ONLY BE CHANGED BY A PLAN COVER SHEET REVISION THAT MUST BE SUBMITTED TO THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) FOR VERIFICATION AND APPROVAL.

THE FOLLOWING INFORMATION MUST BE SUBMITTED TO DEQ AT LEAST TWO (2) WEEKS IN ADVANCE OF THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES. NOTIFICATIONS SHALL BE SENT BY EMAIL TO line@projects@deq.virginia.gov

- i PROJECT NAME OR PROJECT NUMBER (INCLUDING ANY ASSOCIATED COP PERMIT NUMBER);
ii PROJECT LOCATION (INCLUDING NEAREST INTERSECTION, LATITUDE & LONGITUDE, ACCESS POINT);
iii ON-SITE PROJECT MANAGER NAME AND CONTACT INFORMATION;
iv RESPONSIBLE LAND DISTURBER (RLD) NAME AND CONTACT INFORMATION;

v PROJECT DESCRIPTION;
vi ACREAGE OF DISTURBANCE FOR PROJECT;
vii PROJECT START AND FINISH DATE;
viii ANY VARIANCES/EXEMPTIONS/WAIVERS ASSOCIATED WITH THIS PROJECT

PLEASE CONTACT DOMINION PERMITTING (JOHN MULLIGAN) AT 804-771-6937 TO SET UP A PRE-CONSTRUCTION MEETING.

PROJECT DESCRIPTION: THIS PROJECT IS TO CONSTRUCT THE FORK UNION SUBSTATION TO PROVIDE IMPROVED ELECTRICAL SERVICE AND RELIABILITY TO FLUVANNA COUNTY.

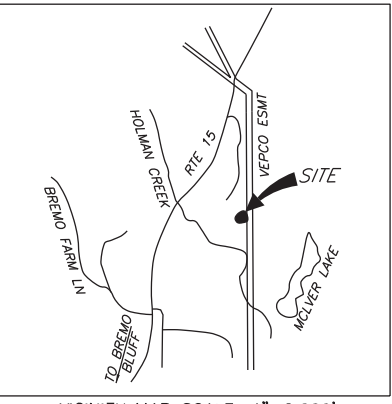
ALL EXISTING AND PROPOSED GRADES SHOWN ON THIS SITE PLAN ARE DIRT GRADES.

DOMINION DRAWING * DRAWING LIST

Table with columns: Drawing No., Quantity, Description. Includes items like COVER SHEET, SPECIFICATIONS/GENERAL NOTES, OVERALL PLAN, EROSION & SEDIMENT CONTROL GENERAL NOTES & NARRATIVE, etc.

SURVEY DRAWING LIST

Table with columns: Drawing No., Quantity, Description. Includes items like TOPOGRAPHIC SURVEY OF PROPOSED FORK UNION SUBSTATION ACCESS ROAD SITE, TOPOGRAPHIC SURVEY OF PROPOSED FORK UNION SUBSTATION SITE, etc.



VICINITY MAP SCALE: 1"=2,000'

GENERAL SITE INFORMATION:

ADDRESS: 2100 BLOCK JAMES MADISON HIGHWAY (U.S. ROUTE 15) BREMO BLUFF, VA, 23022
LAT. - LONG.: 37°43'56.34"N, 78°17'22.87"W
ZONING: A-1 (AGRICULTURAL)
MAP PIN: TAX MAP 58, SECTION A, PARCEL 57
USE: ELECTRICAL SWITCHING STATION
PARCEL ACREAGE: 26.93 ACRES (AS PART OF A 73 ACRE PARCEL)
TOTAL LAND DISTURBANCE: 14.00 ACRES
WATER AND SEWER: N/A
WETLANDS IMPACTS: 0.19 ACRES; REF NWP-12 APPLICATION SUBMITTED TO USACE FROM WETLAND STUDIES AND SOLUTIONS, INC.
PARKING: N/A
PROPOSED BUILDINGS: N/A
OFFSITE LAND DISTURBANCE: NONE PROPOSED ANY OFFSITE LAND DISTURBING ACTIVITY ASSOCIATED WITH THIS PROJECT MUST HAVE AN APPROVED EROSION AND SEDIMENT CONTROL PLAN.
LAND DISTURBANCE PERMIT: CONTACT DEQ TWO (2) WEEKS PRIOR TO ANY LAND DISTURBING ACTIVITY. SEE DETAILS IN THE RESPONSIBLE LAND DISTURBER DESIGNATION BLOCK ON THIS SHEET FOR DETAILS.
VIRGINIA STORMWATER MANAGEMENT PROGRAM PERMIT (VSMPP): REQUIRED PRIOR TO ISSUANCE OF A LAND DISTURBANCE PERMIT. AN APPROVED VSMPP MUST BE ACCOMPANIED WITH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO CONSTRUCTION.
FLOODPLAIN: THE PROPERTY SHOWN HEREIN APPEARS TO FALL WITHIN FLOOD ZONE "X" AS SHOWN ON FEMA MAP #51065C0260C: REVISED MAY 16, 2008
SPECIAL USE PERMIT: CASE NUMBER: SUP 18-03
TAX MAP: TAX MAP 58, SECTION A, PARCEL 57 APPROVED BY FLUVANNA COUNTY BOARD OF SUPERVISORS ON AUGUST 15, 2018

THE CATTLE GATE SHALL BE CLOSED AT ALL TIMES EXCEPT WHEN VEHICLES ARE PASSING. ANY DAMAGE TO THE GATE OR FENCE SHALL BE REPAIRED IMMEDIATELY.

SR. SITING AND PERMITTING SPECIALIST: JOHN A. MULLIGAN (804) 771-6937
JOHN.A.MULLIGAN@DOMINIONENERGY.COM
DOMINION ENERGY
10900 NUCKOLS ROAD
GLEN ALLEN, VIRGINIA 23060

CALL MISS UTILITY BEFORE DIGGING
1-800-552-7001
OR
811

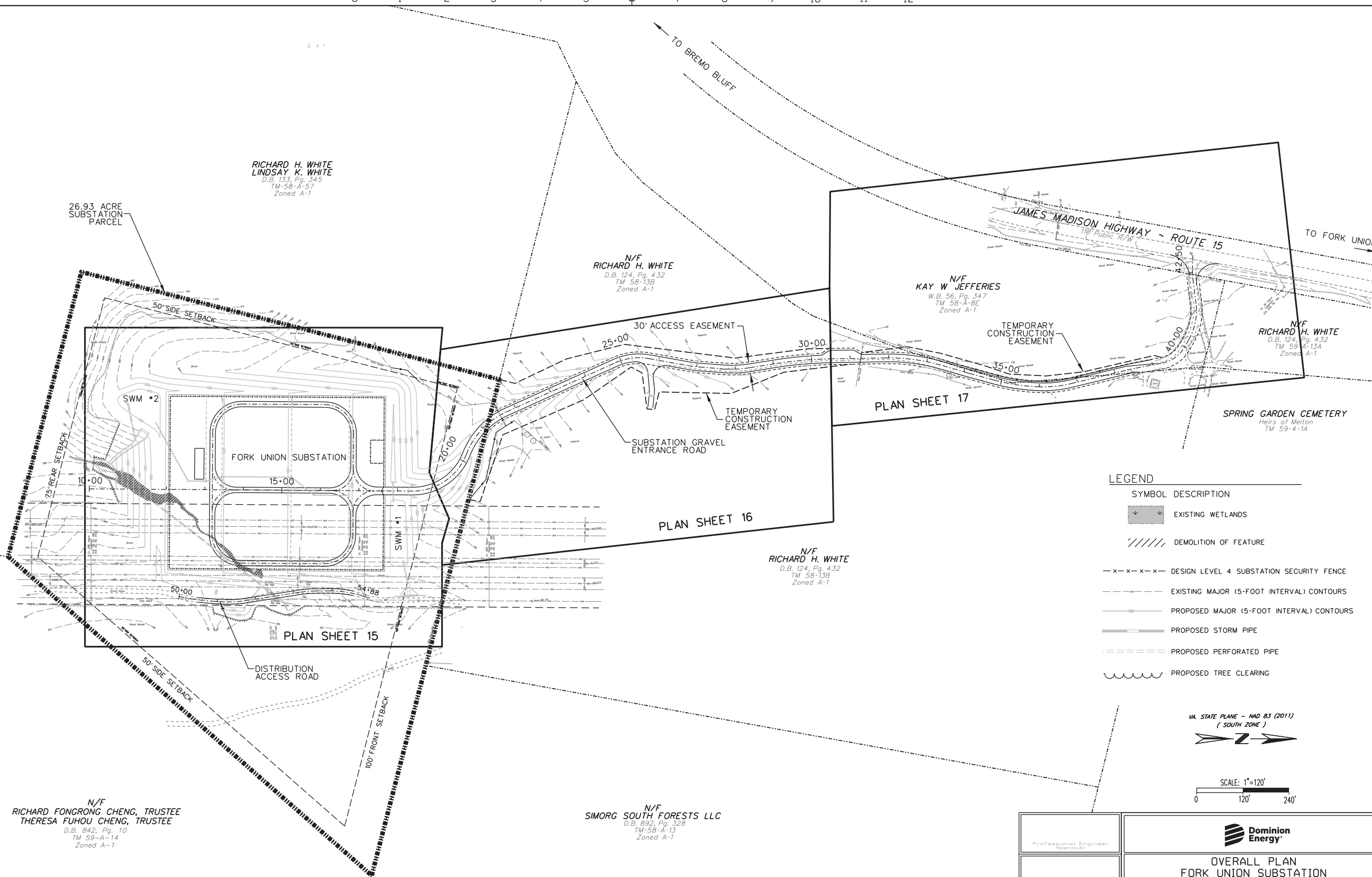
DOMINION SITE CIVIL DESIGN ENGINEER: TOM RICHESON, PE (804) 257-4714
TOM.RICHESON@DOMINIONENERGY.COM
DOMINION ENERGY
2400 GRAYLAND AVENUE
RICHMOND, VIRGINIA 23220

CIVIL ENGINEER: KYLE E. LACLAIR, PE (804) 767-2206
KLACLAIR@GEOSYNTEC.COM
GEOSYNTEC CONSULTANTS, INC.
9211 ARBORTUM PARKWAY, SUITE 200
RICHMOND, VIRGINIA 23236

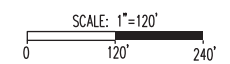
10900 NUCKOLS ROAD
GLEN ALLEN, VIRGINIA 23060
www.dom.com



MAJOR SITE DEVELOPMENT PLAN - SKETCH PLAN
FORK UNION SUBSTATION
FLUVANNA COUNTY, VIRGINIA



- LEGEND**
- SYMBOL DESCRIPTION
 - EXISTING WETLANDS
 - DEMOLITION OF FEATURE
 - DESIGN LEVEL 4 SUBSTATION SECURITY FENCE
 - EXISTING MAJOR (5-FOOT INTERVAL) CONTOURS
 - PROPOSED MAJOR (5-FOOT INTERVAL) CONTOURS
 - PROPOSED STORM PIPE
 - PROPOSED PERFORATED PIPE
 - PROPOSED TREE CLEARING



N/F
 RICHARD FONGRONG CHENG, TRUSTEE
 THERESA FUHOU CHENG, TRUSTEE
 D.B. 842, Pg. 10
 TM 59-A-14
 Zoned A-1

N/F
 SIMORG SOUTH FORESTS LLC
 D.B. 892, Pg. 328
 TM 58-A-13
 Zoned A-1

Professional Engineer
 Approval



**OVERALL PLAN
 FORK UNION SUBSTATION
 FLUVANNA COUNTY, VIRGINIA**

Designed by:	GE0	Date	08/31/18	Project No.	99-2668	Sheet No.	1A of 47
Approvals:	TER	Date	08/31/18	Scale	1"=120'		
Approvals:		B/M No.		Revisions			

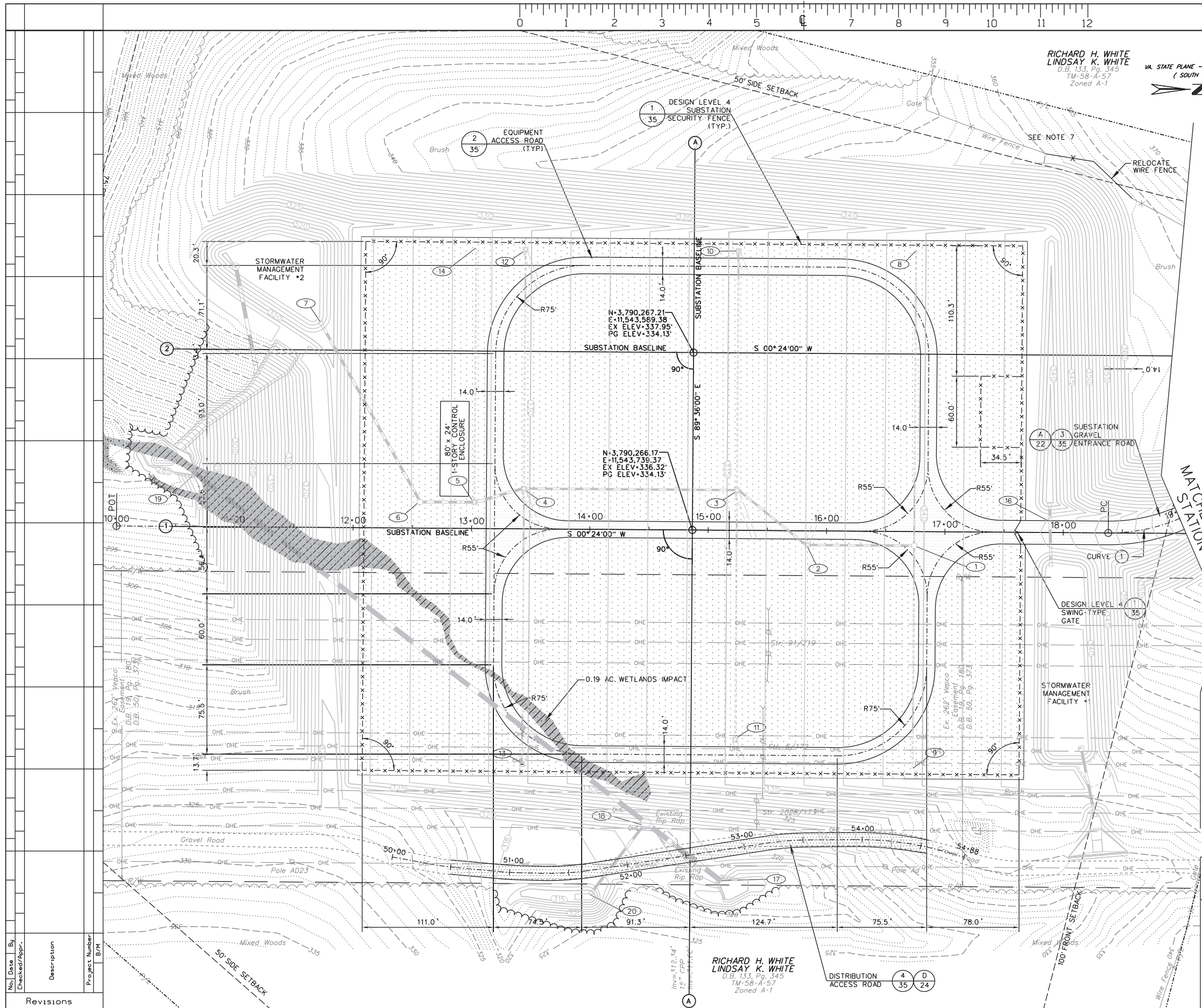
Cad File Name *****.dgn Drawing No. *****
 PLOTTED: *****SYTIME

No.	Date	By	Description

Project Number	B/M

Typical Drawing Information	Library Location	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures (Pier)	Foundation Cells for Other Typical Structures (Spread)	Steel Detail & Assembly

border.dgn PLOTTED: *****SYTIME USERNAME



PROPOSED CONDITIONS LEGEND

SYMBOL	DESCRIPTION
	21A COMPACTED GRAVEL (SUBSTATION GRAVEL ACCESS ROAD)
	#57 STONE UNCOMPACTED GRAVEL
	EXISTING WETLANDS
	DEMOLITION OF FEATURE
	DESIGN LEVEL 4 SUBSTATION SECURITY FENCE
	PROPOSED WIRE FENCE (SEE NOTE 8)
	PROPOSED MAJOR (5-FOOT INTERVAL) CONTOURS
	PROPOSED MINOR (1-FOOT INTERVAL) CONTOUR
	PROPOSED STORM PIPE (REFER TO SHEETS 18, 19 & 20 FOR DETAILS)
	PROPOSED PERFORATED PIPE (REFER TO SHEET 18 FOR DETAILS)
	PROPOSED TREE CLEARING

CURVE LEGEND

PI STA. - POINT OF INTERSECTION STATION
 D - DELTA ANGLE OF RADIUS
 D - DEGREE OF CURVATURE
 C - CHORD LENGTH
 T - TANGENT LENGTH
 L - LENGTH OF RADIUS
 R - RADIUS
 PC STA. - POINT OF CURVATURE STATION
 PT STA. - POINT OF TANGENT STATION
 PRC STA. - POINT OF REVERSE CURVE STATION

DETAIL & SECTION IDENTIFICATION

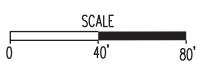
3 - SEQUENTIAL DETAIL NUMBER
 35 - SHEET ON WHICH DETAIL IS SHOWN

- NOTES:**
- REFER TO DRAWINGS LOCATED AT END OF THIS PLAN SET (SURVEY DRAWINGS) FOR EXISTING CONDITIONS AND SURVEY DATA.
 - REFER TO SHEETS 6, 9 AND 12 FOR PHASE I, II & III EROSION AND SEDIMENT CONTROL.
 - REFER TO SHEET 18 FOR PROPOSED GRADING, SPOT ELEVATIONS AND DRAINAGE STRUCTURE REFERENCES.
 - REFER TO SHEETS 22 AND 24 FOR ACCESS ROAD PROFILES.
 - REFER TO SHEET 25 FOR SUBSTATION GRAVEL ENTRANCE ROAD CROSS SECTIONS.
 - REFER TO SHEET 21 FOR HORIZONTAL ALIGNMENT DATA.
 - REFER TO SHEET 32 FOR LANDSCAPE PLAN.
 - RELOCATED WIRE FENCE SIZE, TYPE AND MATERIAL SHALL BE DETERMINED BY COORDINATING WITH ADJACENT LAND OWNER.

CURVE DATA

CURVE 1

PI STA. - 19+41.62
 Δ - 69° 14' 02.40" (LT)
 D - 38° 11' 49.92"
 C - 170.43'
 T - 103.54'
 L - 181.25'
 R - 150.00'
 PC STA. - 18+38.08
 PRC STA. - 20+19.33



Geosyntec
 consultants
 Professional Engineer
 Approval

Dominion
 Energy

**SITE PLAN (1 OF 3)
 FORK UNION SUBSTATION
 FLUVANNA COUNTY, VIRGINIA**

Name	Date	Project No.	Sheet No.
Designed by: GEO	08/31/18	99-2668	15 of 47
Approvals: TER	08/31/18	Scale	1"=40'
Approvals:	B/M No.	Revisions	

Cad File Name: 1550114a.dgn
 PLOTTED: *****SYTIME
 Drawing No.: 1550-114

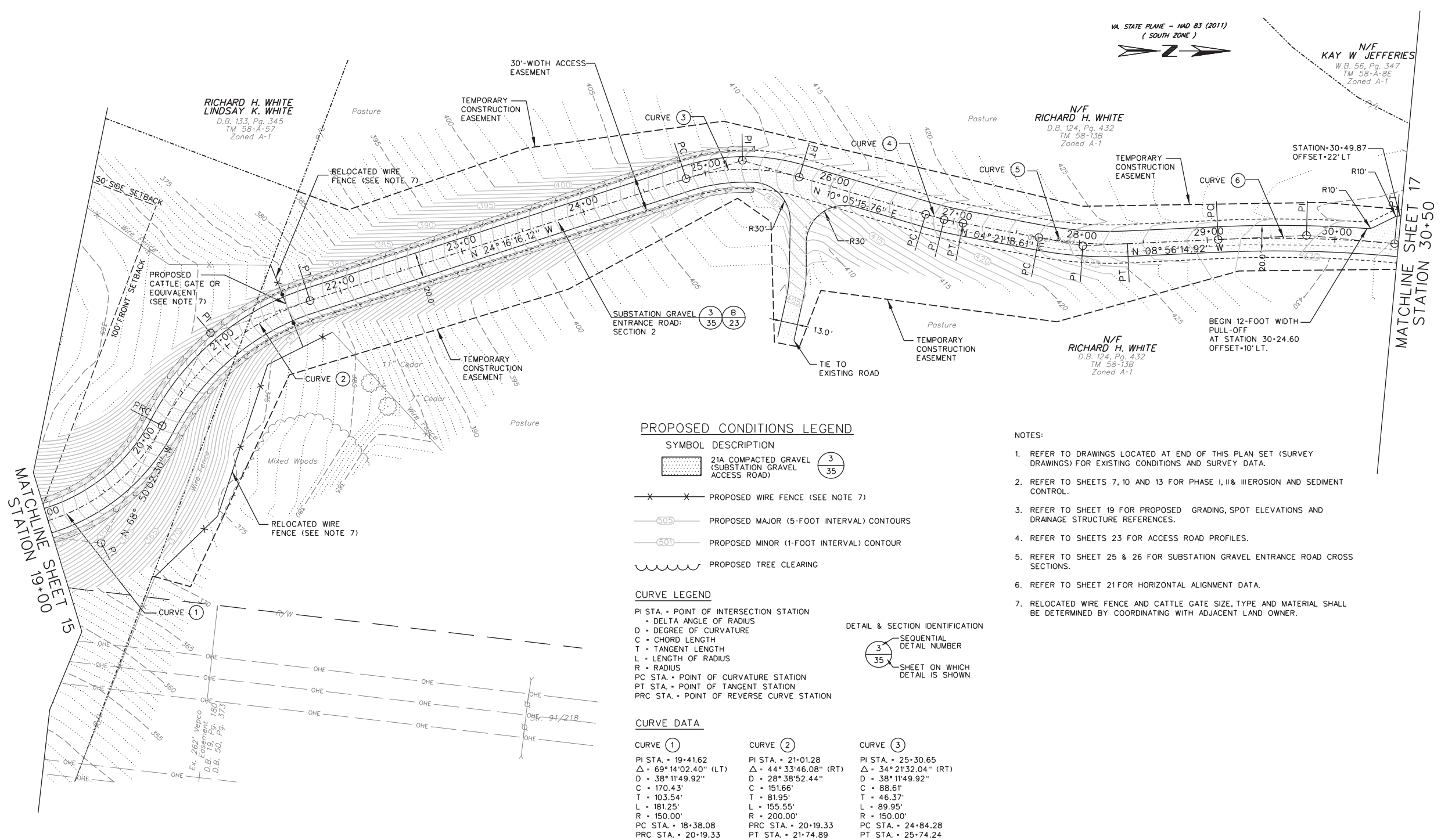
No.	Date	By	Description

Project Number: B/M

Revisions

Typical Drawing Information	Library Location	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures (Pier)	Foundation Cells for Other Typical Structures (Spread)	Steel Detail & Assembly

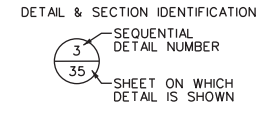
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 PLOTTED: *****SYTIME
 USERNAME



PROPOSED CONDITIONS LEGEND

- 21A COMPACTED GRAVEL (SUBSTATION GRAVEL ACCESS ROAD)**
- PROPOSED WIRE FENCE (SEE NOTE 7)**
- PROPOSED MAJOR (5-FOOT INTERVAL) CONTOURS**
- PROPOSED MINOR (1-FOOT INTERVAL) CONTOUR**
- PROPOSED TREE CLEARING**

- CURVE LEGEND**
- PI STA. - POINT OF INTERSECTION STATION
 - Δ - DELTA ANGLE OF RADIUS
 - D - DEGREE OF CURVATURE
 - C - CHORD LENGTH
 - T - TANGENT LENGTH
 - L - LENGTH OF RADIUS
 - R - RADIUS
 - PC STA. - POINT OF CURVATURE STATION
 - PT STA. - POINT OF TANGENT STATION
 - PRC STA. - POINT OF REVERSE CURVE STATION

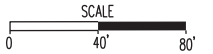


CURVE DATA

CURVE ①	CURVE ②	CURVE ③
PI STA. - 19+41.62	PI STA. - 21+01.28	PI STA. - 25+30.65
Δ - 69° 14' 02.40" (LT)	Δ - 44° 33' 46.08" (RT)	Δ - 34° 21' 32.04" (RT)
D - 38° 11' 49.92"	D - 28° 38' 52.44"	D - 38° 11' 49.92"
C - 170.43'	C - 151.66'	C - 88.61'
T - 103.54'	T - 81.95'	T - 46.37'
L - 181.25'	L - 155.55'	L - 89.95'
R - 150.00'	R - 200.00'	R - 150.00'
PC STA. - 18+38.08	PRC STA. - 20+19.33	PC STA. - 24+84.28
PT STA. - 20+19.33	PT STA. - 21+74.89	PT STA. - 25+74.24

CURVE ④	CURVE ⑤	CURVE ⑥
PI STA. - 26+92.42	PI STA. - 28+02.90	PI STA. - 29+77.86
Δ - 05° 43' 57" (LT)	Δ - 13° 17' 33.36" (LT)	Δ - 7° 55' 08.40" (RT)
D - 19° 05' 54.96"	D - 19° 05' 54.96"	D - 5° 43' 46.56"
C - 30.00'	C - 69.44'	C - 138.10'
T - 15.02'	T - 34.96'	T - 69.22'
L - 30.02'	L - 69.60'	L - 138.21'
R - 300.00'	R - 300.00'	R - 1,000.00'
PC STA. - 26+77.40	PC STA. - 27+67.94	PC STA. - 29+08.64
PT STA. - 27+07.41	PT STA. - 28+37.54	PT STA. - 30+46.86

- NOTES:**
- REFER TO DRAWINGS LOCATED AT END OF THIS PLAN SET (SURVEY DRAWINGS) FOR EXISTING CONDITIONS AND SURVEY DATA.
 - REFER TO SHEETS 7, 10 AND 13 FOR PHASE I, II & III EROSION AND SEDIMENT CONTROL.
 - REFER TO SHEET 19 FOR PROPOSED GRADING, SPOT ELEVATIONS AND DRAINAGE STRUCTURE REFERENCES.
 - REFER TO SHEETS 23 FOR ACCESS ROAD PROFILES.
 - REFER TO SHEET 25 & 26 FOR SUBSTATION GRAVEL ENTRANCE ROAD CROSS SECTIONS.
 - REFER TO SHEET 21 FOR HORIZONTAL ALIGNMENT DATA.
 - RELOCATED WIRE FENCE AND CATTLE GATE SIZE, TYPE AND MATERIAL SHALL BE DETERMINED BY COORDINATING WITH ADJACENT LAND OWNER.



**SITE PLAN (2 OF 3)
FORK UNION SUBSTATION
FLUVANNA COUNTY, VIRGINIA**

Designed by:	Name	Date	Project No.	Sheet No.
GEO	TER	08/31/18	99-2668	16 of 47
Approvals:	TER	08/31/18	Scale	
Approvals:			1"=40'	

Cad File Name: 1550115a.dgn
Drawing No.: 1550-115

No.	Date	By	Description

Project Number	B/M

Library Location	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures (Pier)	Foundation Cells for Other Typical Structures (Spread)	Steel Detail & Assembly

border.dgn
 PLOTTED: *****SYTIME
 USERNAME:



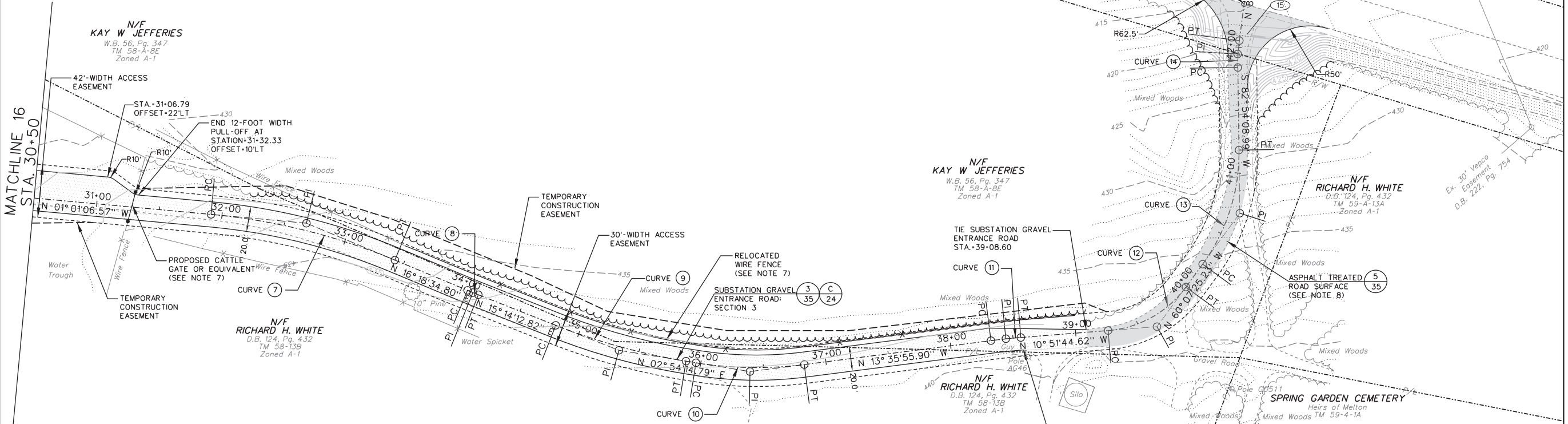
VA. STATE PLANE - MAD 83 (2011)
(SOUTH ZONE)

CURVE LEGEND
 PI STA. - POINT OF INTERSECTION STATION
 Δ - DELTA ANGLE OF RADIUS
 D - DEGREE OF CURVATURE
 C - CHORD LENGTH
 T - TANGENT LENGTH
 L - LENGTH OF RADIUS
 R - RADIUS
 PC STA. - POINT OF CURVATURE STATION
 PT STA. - POINT OF TANGENT STATION
 PRC STA. - POINT OF REVERSE CURVE STATION

PROPOSED CONDITIONS LEGEND
SYMBOL DESCRIPTION
 21A COMPACTED GRAVEL (SUBSTATION GRAVEL ACCESS ROAD) (3/35)
 PAVEMENT SECTION (5/35)
 PROPOSED WIRE FENCE (SEE NOTE 7)
 PROPOSED MAJOR (5-FOOT INTERVAL) CONTOURS
 PROPOSED MINOR (1-FOOT INTERVAL) CONTOUR
 PROPOSED STORM PIPE (REFER TO SHEET 20 FOR DETAILS)
 PROPOSED TREE CLEARING

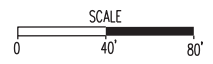
DETAIL & SECTION IDENTIFICATION
 SEQUENTIAL DETAIL NUMBER (3/35)
 SHEET ON WHICH DETAIL IS SHOWN (5/35)

- NOTES:**
- REFER TO DRAWINGS LOCATED AT END OF THIS PLAN SET (SURVEY DRAWINGS) FOR EXISTING CONDITIONS AND SURVEY DATA.
 - REFER TO SHEETS 8, 11 AND 14 FOR PHASE I, II & III EROSION AND SEDIMENT CONTROL.
 - REFER TO SHEET 20 FOR PROPOSED GRADING, SPOT ELEVATIONS AND DRAINAGE STRUCTURE REFERENCES.
 - REFER TO SHEET 24 FOR ACCESS ROAD PROFILE.
 - REFER TO SHEET 26 FOR SUBSTATION GRAVEL ENTRANCE ROAD CROSS SECTIONS.
 - REFER TO SHEET 21 FOR HORIZONTAL ALIGNMENT DATA.
 - RELOCATED WIRE FENCE SIZE, TYPE AND MATERIAL SHALL BE DETERMINED BY COORDINATING WITH ADJACENT LAND OWNER.
 - REPLACE EXISTING GRAVEL SURFACE WITH ASPHALT FROM STATION 39+00 TO STATION 42+34.70. NO GRADING FOR DITCHES OR SLOPES SHALL OCCUR IN THIS AREA. THE ROAD PROFILE GRADE AND CROSS SLOPES SHALL MATCH EXISTING CONDITIONS.



CURVE DATA

CURVE (7)	CURVE (8)	CURVE (9)	CURVE (10)
PI STA. = 32+67.48 Δ = 17° 19' 41.52" (RT) D = 11° 27' 33.12" C = 150.64' T = 76.19' L = 151.22' R = 500.00' PC STA. = 31+91.29 PT STA. = 33+42.51	PI STA. = 34+09.72 Δ = 1° 04' 22.08" (LT) D = 11° 27' 33.12" C = 9.27' T = 4.63' L = 9.27' R = 495.00' PC STA. = 34+05.09 PT STA. = 34+14.36	PI STA. = 35+34.59 Δ = 12° 19' 58.08" (LT) D = 11° 27' 33.12" C = 107.42' T = 54.02' L = 107.62' R = 500.00' PC STA. = 34+80.57 PT STA. = 35+88.19	PI STA. = 36+39.75 Δ = 16° 30' 10.80" (LT) D = 19° 05' 54.96" C = 86.11' T = 43.51' L = 86.41' R = 300.00' PC STA. = 35+96.24 PT STA. = 36+82.65
CURVE (11)	CURVE (12)	CURVE (13)	CURVE (14)
PI STA. = 38+44.29 Δ = 2° 44' 11.40" (RT) D = 11° 27' 33.12" C = 23.88' T = 11.94' L = 23.88' R = 500.00' PC STA. = 38+32.35 PT STA. = 38+56.23	PI STA. = 38+44.29 Δ = 49° 15' 40.68" (LT) D = 67° 24' 24.48" C = 70.85' T = 38.97' L = 73.08' R = 85.00' PC STA. = 39+25.90 PT STA. = 39+98.98	PI STA. = 40+71.66 Δ = 36° 58' 25.68" (RT) D = 38° 11' 49.92" C = 95.13' T = 50.15' L = 96.80' R = 150.00' PC STA. = 40+21.51 PT STA. = 41+18.30	PI STA. = 41+94.66 Δ = 8° 11' 22.56" (RT) D = 38° 11' 49.92" C = 21.42' T = 10.74' L = 21.44' R = 150.00' PC STA. = 41+83.92 PT STA. = 42+05.36



Geosyntec
consultants
Professional Engineer
Approval

Dominion Energy

**SITE PLAN (3 OF 3)
FORK UNION SUBSTATION
FLUVANNA COUNTY, VIRGINIA**

Designed by:	Name	Date	Project No.	Sheet No.
Approved:	TER	08/31/18	99-2668	17 of 47
Approved:			Scale	
			1"=40'	
	B/M No.		Revisions	

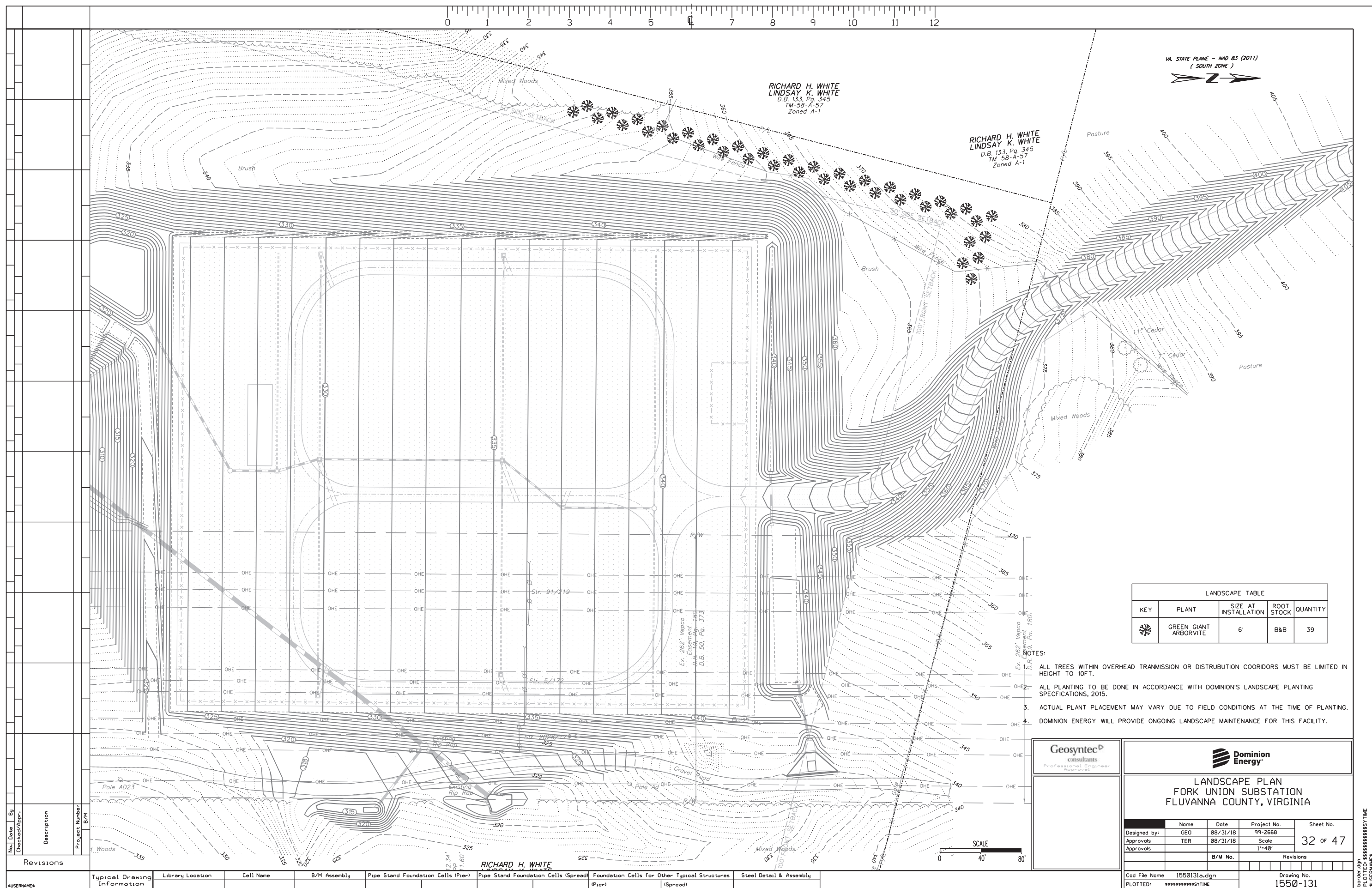
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 Drawing No.: 1550-116
 PLOTTED: *****SYTIME

No.	Date	By	Description

Revisions

Typical Drawing Information	Library Location	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures (Pier)	Foundation Cells for Other Typical Structures (Spread)	Steel Detail & Assembly

border.dgn
 PLOTTED: *****SYTIME
 USERNAME



VA STATE PLANE - NAD 83 (2011)
(SOUTH ZONE)

RICHARD H. WHITE
LINDSAY K. WHITE
D.B. 133, Pg. 345
TM 58-A-57
Zoned A-1

RICHARD H. WHITE
LINDSAY K. WHITE
D.B. 133, Pg. 345
TM 58-A-57
Zoned A-1

LANDSCAPE TABLE				
KEY	PLANT	SIZE AT INSTALLATION	ROOT STOCK	QUANTITY
	GREEN GIANT ARBORVITE	6'	B&B	39

- NOTES:
- ALL TREES WITHIN OVERHEAD TRANSMISSION OR DISTRIBUTION COORIDORS MUST BE LIMITED IN HEIGHT TO 10FT.
 - ALL PLANTING TO BE DONE IN ACCORDANCE WITH DOMINION'S LANDSCAPE PLANTING SPECIFICATIONS, 2015.
 - ACTUAL PLANT PLACEMENT MAY VARY DUE TO FIELD CONDITIONS AT THE TIME OF PLANTING.
 - DOMINION ENERGY WILL PROVIDE ONGOING LANDSCAPE MAINTENANCE FOR THIS FACILITY.

Geosyntec[®]
consultants
Professional Engineer
Approval

Dominion
Energy

LANDSCAPE PLAN
FORK UNION SUBSTATION
FLUVANNA COUNTY, VIRGINIA

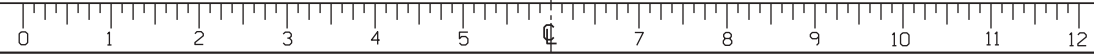
Name	Date	Project No.	Sheet No.
Designed by: GEO	08/31/18	99-2668	32 of 47
Approvals: TER	08/31/18	Scale	
Approvals:		1"=40'	

Cad File Name 1550131a.dgn Drawing No. 1550-131
PLOTED: *****SYTIME

No.	Date	By	Description

Project Number	B/M	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells For Other Typical Structures (Pier)	Foundation Cells For Other Typical Structures (Spread)	Steel Detail & Assembly

border.dgn
PLOTED: *****SYTIME
B:USERNAME



LANDSCAPE PLANTING FOR TREES, SHRUBS AND GROUND COVER (2018)

MATERIALS

PLANT MATERIALS

1. PLANT LIST - A LIST OF PLANTS IS SHOWN ON THE PLANTING PLAN AND/OR THE REQUEST FOR BID. IN THE EVENT THAT QUANTITY DISCREPANCIES OR MATERIAL OMISSIONS OCCUR ON THE PLAN THE PURCHASE ORDER REQUEST SHALL GOVERN.
2. QUALITY AND SIZE - PLANTS SHALL BE WELL GROWN AND HAVE A HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES AND SHALL BE SOUND, WELL FORMED, HEALTHY, VIGOROUS, AND FREE FROM INSECT PESTS, PLANT DISEASES AND INJURIES. ALL PLANTS SHALL BE EQUAL TO OR EXCEED THE MEASUREMENTS SPECIFIED IN THE PLANT LIST, WHICH ARE MINIMUM ACCEPTABLE SIZES. THEY SHALL BE MEASURED BEFORE PRUNING, WITH BRANCHES IN NORMAL POSITION, ANY NECESSARY PRUNING SHALL BE DONE AT THE TIME OF PLANTING. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOW THE CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARD FOR NURSERY STOCK.
3. SUBSTITUTIONS - CONTRACTOR SHOULD BE CERTAIN HE CAN FURNISH ALL PLANTS AS REQUIRED BEFORE HE SUBMITS A PROPOSAL, SO THERE WILL BE NO DELAY IN COMPLETING THE PROJECT.

MATERIAL FOR STAKING

1. STAKES FOR SUPPORTING TREES SHALL BE EITHER TWO TYPES: 2"x2"x6" SOUND WOOD OR 2"x2"x18" STAKE.
2. BLACK PLASTIC ADJ-A-TYE, 1" WIDE (OR SIMILAR MATERIAL OF OTHER MANUFACTURE) AND OR IF APPROVED BY SYSTEM ARBORIST OR DESIGNEE, GALVANIZED WIRE AND HOSE.

MATERIALS FOR PLANTING

1. FERTILIZER - A SLOW RELEASE GRANULAR FERTILIZER SHOULD BE INCORPORATED INTO THE BACKFILL SOIL TO PROVIDE NITROGEN, PHOSPHORUS, AND POTASSIUM. USE NO MORE THAN 1 POUND ACTUAL NITROGEN PER 1,000 SQ. FT. OF PLANTING HOLE SURFACE. SYSTEM ARBORIST OR DESIGNEE MAY WAIVE FERTILIZER REQUIREMENT DEPENDING ON SITE AND SOIL CONDITIONS.
2. MULCH - ALL PLANT MATERIAL WILL BE MULCHED WITH PINE BARK, SHREDDED HARDWOOD OR WELL ROTTED WOOD CHIPS AS DIRECTED. A TWO TO THREE INCH LAYER OF MULCH SHALL ENTIRELY COVER THE AREA OF THE PLANTING PIT, BED OR SAUCER AROUND EACH PLANT. CARE SHOULD BE TAKEN TO PREVENT MULCH RIGHT AT THE TRUNK OF THE TREE.

PREPARATION

A. TIME OF PLANTING

1. EVERGREEN MATERIAL: PLANT EVERGREEN MATERIALS BETWEEN SEPTEMBER 1 AND DECEMBER 1 OR IN SPRING BEFORE NEW GROWTH BEGINS. IF SYSTEM ARBORIST OR DESIGNEE REQUIRES PLANTING AT OTHER TIMES, PLANTS SHALL BE SPRAYED WITH ANTI-DESICCANT PRIOR TO THE DIGGING OPERATIONS.
2. DECIDUOUS MATERIAL: PLANT DECIDUOUS MATERIALS IN A DORMANT CONDITION WHEN POSSIBLE. IF DECIDUOUS TREES ARE PLANTED IN-LEAF, THEY SHALL BE SPRAYED WITH AN ANTI-DESICCANT PRIOR TO THE DIGGING OPERATIONS.

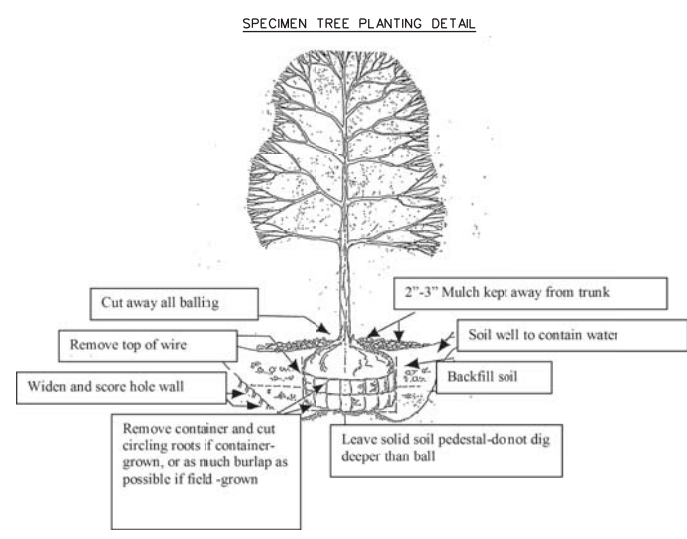
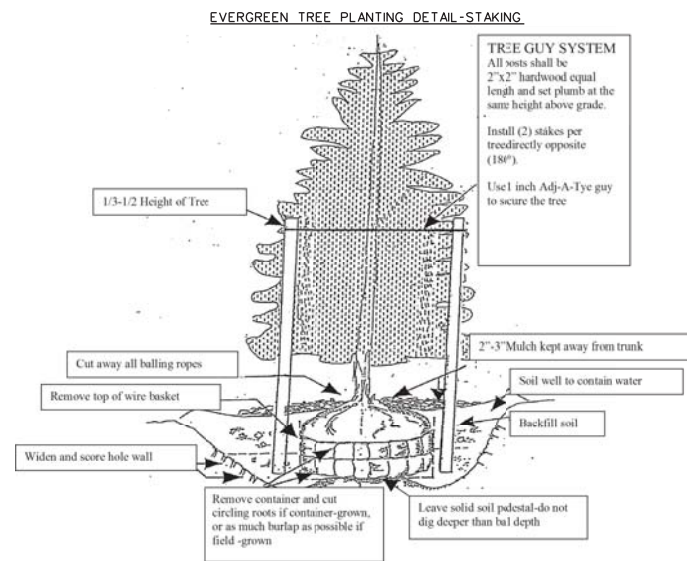
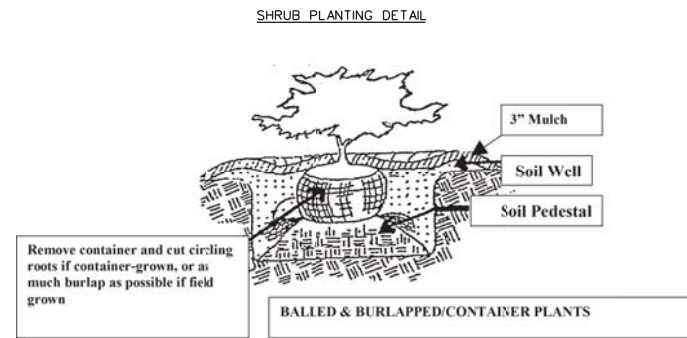
B. PLANTING SHALL BE PERFORMED ONLY BY EXPERIENCED WORKMEN FAMILIAR WITH PLANTING PROCEDURES UNDER THE SUPERVISION OF A QUALIFIED SUPERVISOR.

C. LOCATE PLANTS AS INDICATED ON DRAWINGS. IF OBSTRUCTIONS ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS, DO NOT PROCEED WITH PLANTING OPERATIONS UNTIL ALTERNATE PLANT LOCATIONS HAVE BEEN SELECTED BY THE SYSTEM ARBORIST OR DESIGNEE.

D. EXCAVATE CIRCULAR PLANT PITS WITH VERTICAL SIDES, EXCEPT FOR PLANTS SPECIFICALLY INDICATED TO BE PLANTED IN BEDS. PROVIDE SHRUB PITS AT LEAST 12" GREATER THAN THE DIAMETER OF THE ROOT SYSTEM AND 24" GREATER FOR TREES. DEPTH OF PIT SHALL ACCOMMODATE THE ROOT SYSTEM. LEAVE SOLID SOIL PEDESTAL IN THE BOTTOM OF THE PIT, DO NOT DIG DEEPER THAN THE BALL DEPTH.

E. PROVIDE PRE-MIXED GROUND COVER BED PLANTING MIXTURE FOR USE AROUND THE BALLS AND ROOTS OF THE PLANTS CONSISTING OF FIVE (5) PARTS EXISTING SOIL TO ONE (1) PART DEHYDRATED COW MANURE.

F. PROVIDE PRE-MIXED GROUND COVER BED PLANTING MIXTURE CONSISTING OF THREE (3) PARTS EXISTING SOIL TO ONE (1) PART DEHYDRATED COW MANURE. INCORPORATE THE MIX WELL BY TILLING OR HAND WORK.



INSTALLATION

A. SET PLANT MATERIAL IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT. IF FABRIC IN-GROUND CONTAINER MATERIAL IS USED, REMOVE THE FABRIC BAG FIRST. SET PLANTS UPRIGHT, PLUMB AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIPS TO EACH OTHER OR ADJACENT STRUCTURE. SET PLANT MATERIAL NO LOWER THAN THE FINISH GRADE OR 2-3" ABOVE FINISHED GRADE. NO FILLING WILL BE PERMITTED AROUND TRUNKS OR STEMS. BACKFILL THE PIT WITH PLANTING MIXTURE. DO NOT USE FROZEN MIXTURES FOR BACKFILLING. FORM A RING OF SOIL AROUND THE EDGE OF EACH PLANTING PIT TO RETAIN WATER.

B. AFTER PLANTS ARE SET, MIDDLE PLANTING SOIL MIXTURE AROUND BASES OF BALLS AND FILL ALL VOIDS.

1. REMOVE ALL BURLAP, ROPES AND WIRES FROM THE TOP 1/3 OF ROOT BALL.

C. SPACE GROUND COVER PLANTS IN ACCORDANCE WITH INDICATED DIMENSIONS.

D. MULCHING

1. MULCH TREE AND SHRUB PLANTING PITS AND SHRUB BEDS WITH REQUIRED MULCHING MATERIAL 2-3" DEEP IMMEDIATELY AFTER PLANTING. AFTER WATERING, RAKE MULCH TO PROVIDE A UNIFORM FINISHED SURFACE.
2. MULCH GROUND COVER BEDS WITH MULCH 2" DEEP BEFORE PLANTING.

E. STAKING AND GUYING

STAKE TREES ONLY IF ONE OR MORE OF THE FOLLOWING CONDITIONS ARE PRESENT:

LARGE CROWNS, SLOPED AREAS, WINDY AREAS OR TREE SPECIES REQUIRES INITIAL SUPPORT. IN THE EVENT THAT QUESTIONS ARISE CONCERNING THE ABOVE, THE SYSTEM ARBORIST OR DESIGNEE WILL MAKE THE FINAL DETERMINATION.

1. STAKING/GUYING:
 - A. STAKE/GUY ALL REQUIRED TREES IMMEDIATELY AFTER PLANTING OR WITHIN 48 HOURS.
 - B. STAKING DETAILS ARE SHOWN ON ATTACHMENT A.

F. PRUNING

1. UNLESS OTHERWISE DIRECTED, PRUNING WILL BE RESTRICTED TO REMOVING BROKEN, DAMAGED AND ASYMMETRICAL GROWTH OF NEW WOOD.
2. UNLESS OTHERWISE DIRECTED, PRUNE EVERGREENS ONLY TO REMOVE BROKEN OR DAMAGED BRANCHES.

G. EXISTING PLANT RELOCATION

1. TRANSPLANT TREES AND SHRUBS DESIGNATED FOR RELOCATION TO LOCATIONS SHOWN ON THE DRAWINGS. PRUNE, DIG, BALL AND BURLAP, MOVE AND PLANT IN ACCORDANCE WITH SPECIFIED TREE PLANTING REQUIREMENTS.
2. PRUNE, DIG, BALL AND BURLAP, AND MOVE DESIGNATED TREES FOR RELOCATION TO THE DESIGNATED PLANT STORAGE AREA FOR HEELING-IN OF MATERIAL UNTIL FINAL PLANTING AREAS ARE PREPARED, IF REQUIRED.

A. MAINTAIN PLANTS IN STORAGE AREAS BY BRACING PLANTS IN VERTICAL POSITION AND SETTING BALLS IN AN ENCLOSED BERM OF TOPSOIL OR BARK. WATER AS REQUIRED TO MAINTAIN ADEQUATE ROOT MOISTURE.

B. RE-BURLAP PLANT BALLS IF REQUIRED BEFORE FINAL TRANSPLANTING OPERATIONS.

C. MOVE TO FINAL LOCATIONS SHOWN ON THE DRAWINGS AND PLANT IN ACCORDANCE WITH SPECIFIED TREE PLANTING REQUIREMENTS.

3. TRANSPLANTS ARE NOT UNDER WARRANTY.

MAINTENANCE

A. MAINTENANCE OF INSTALLED AND ACCEPTED PLANTINGS WILL BE PERFORMED BY THE OWNER.

B. CONTRACTOR'S MAINTENANCE SHALL INCLUDE PRUNING, CULTIVATING, WEEDING, WATERING AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS FREE OF INSECTS AND DISEASE UNTIL ACCEPTANCE.

1. RE-SET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE PLANTING SAUCER AND ADJACENT MATERIAL AND REMOVE DEAD MATERIAL.
2. TIGHTEN AND REPAIR GUY WIRES AND STAKES AS REQUIRED.
3. CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER AND SEASON PERMIT.
4. WATER TREES, PLANTS AND GROUND COVER BEDS.

CLEANING

A. PERFORM CLEANING DURING INSTALLATION AND UPON COMPLETION OF THE WORK. REMOVE FROM SITE ALL EXCESS MATERIALS, SOIL, DEBRIS, AND EQUIPMENT. REPAIR DAMAGE RESULTING FROM PLANTING OPERATIONS.

ACCEPTANCE

A. PLANTED AREAS WILL BE INSPECTED AT COMPLETION OF INSTALLATION AND ACCEPTED SUBJECT TO COMPLIANCE WITH SPECIFIED MATERIALS AND INSTALLATION REQUIREMENTS.

B. INSPECTION TO DETERMINE ACCEPTANCE OF PLANTED AREAS WILL BE MADE BY THE OWNER'S REPRESENTATIVE, UPON CONTRACTOR'S REQUEST. PROVIDE NOTIFICATION BEFORE REQUESTED INSPECTION DATE.

1. PLANTED AREAS WILL BE ACCEPTED PROVIDED ALL REQUIREMENTS HAVE BEEN MET AND PLANT MATERIALS ARE ALIVE AND IN A HEALTHY, VIGOROUS CONDITION.

C. SECTIONS OF THE WORK MAY BE ACCEPTED WHEN COMPLETE UPON AGREEMENT OF THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR.

D. UPON ACCEPTANCE, THE OWNER WILL ASSUME PLANT MAINTENANCE.

WARRANTY

A. WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND BE IN HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF ONE (1) YEAR AFTER COMPLETION, PROVIDED PLANTS ARE GIVEN PROPER CARE DURING THIS PERIOD.

1. INSPECTION OF PLANTS WILL BE MADE BY THE SYSTEM ARBORIST OR DOMINION ENERGY DESIGNEE AT COMPLETION OF PLANTING.

B. REPLACE ONCE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE DEAD OR, AS DETERMINED BY THE SYSTEM ARBORIST OR DESIGNEE INSPECTION, ARE IN A SEVERELY UNHEALTHY CONDITION. REPLACEMENTS TO BE INSTALLED AT NEXT BEST PLANTING SEASON.

C. WARRANTY SHALL NOT INCLUDE DAMAGE OR LOSS OF TREES, PLANTS OR GROUND COVERS CAUSED BY FIRES, FLOODS, DROUGHT, FREEZING RAINS, LIGHTNING STORMS, OR WINDS OVER 75 MILES PER HOUR, WINTER KILL CAUSED BY EXTREME COLD AND SEVERE WINTER CONDITIONS NOT TYPICAL OF PLANTING AREAS; ACTS OF VANDALISM OR NEGLIGENCE ON THE PART OF THE OWNER. ANY REPLACEMENT ATTRIBUTED TO THIS MUST BE IN ADDITION TO THE CONTRACT AMOUNT.

D. REMOVE AND IMMEDIATELY REPLACE ALL PLANTS, AS DETERMINED BY THE SYSTEM ARBORIST OR DESIGNEE, TO BE UNSATISFACTORY DURING THE INITIAL PLANTING INSTALLATION.

PROJECT CONDITIONS

A. WORK NOTIFICATION: NOTIFY SYSTEM ARBORIST OR DESIGNEE AT LEAST FIVE (5) DAYS PRIOR TO INSTALLATION OF PLANT MATERIAL.

B. PROTECT EXISTING UTILITIES, PAVING AND OTHER FACILITIES FROM DAMAGE CAUSED BY LANDSCAPING OPERATIONS. CALL MISS UTILITY TO MARK UNDERGROUND UTILITIES A MINIMUM OF 48 HOURS BEFORE DIGGING.

SAFETY

UNDERSCORING OUR COMMITMENT TO SAFETY, DOMINION ENERGY CORPORATE SAFETY ADVOCATES COMPANY AND CONTRACTOR SAFETY AS ONGOING INITIATIVES. ALL LANDSCAPE VENDORS WILL ADHERE TO THE APPLICABLE SECTIONS OF THE DOMINION ENERGY ELECTRIC TRANSMISSION CONTRACTOR SAFETY PROGRAM FOR THEIR ANTICIPATED WORK.

(A) DOMINION EXPECTS A SITE SAFETY REVIEW WITH CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK. THIS REVIEW WILL INCLUDE SITE OR WORK RELATED HAZARDS AND MISS UTILITY MARKINGS IDENTIFIED AND DISCUSSED. NEW PERSONNEL TO THE SITE WILL BE UPDATED ACCORDINGLY.

(B) ALL SAFETY RELATED ISSUES MUST BE REPORTED TO THE DOMINION CONTACT WORKING THE PROJECT IMMEDIATELY.

(C) ALL PERSONAL PROTECTIVE EQUIPMENT ASSOCIATED WITH THE SAFE PERFORMANCE OF WORK SHALL BE ADHERED TO BY THE CONTRACTOR WHILE WORKING FOR DOMINION. THIS SHALL INCLUDE BUT NOT BE LIMITED TO HARD HATS (WHEN MEN OR EQUIPMENT ARE WORKING ALOFT), SAFETY GLASSES (AS NECESSARY), WORK GLOVES, AND REFLECTIVE VESTS.

No.	Date	By	Description	Project Number	B/M

Revisions	Typical Drawing Information	Library Location	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures (Pier)	Foundation Cells for Other Typical Structures (Spread)	Steel Detail & Assembly

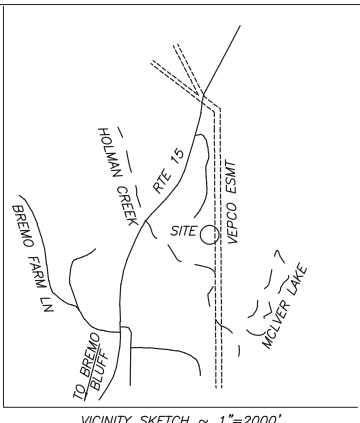
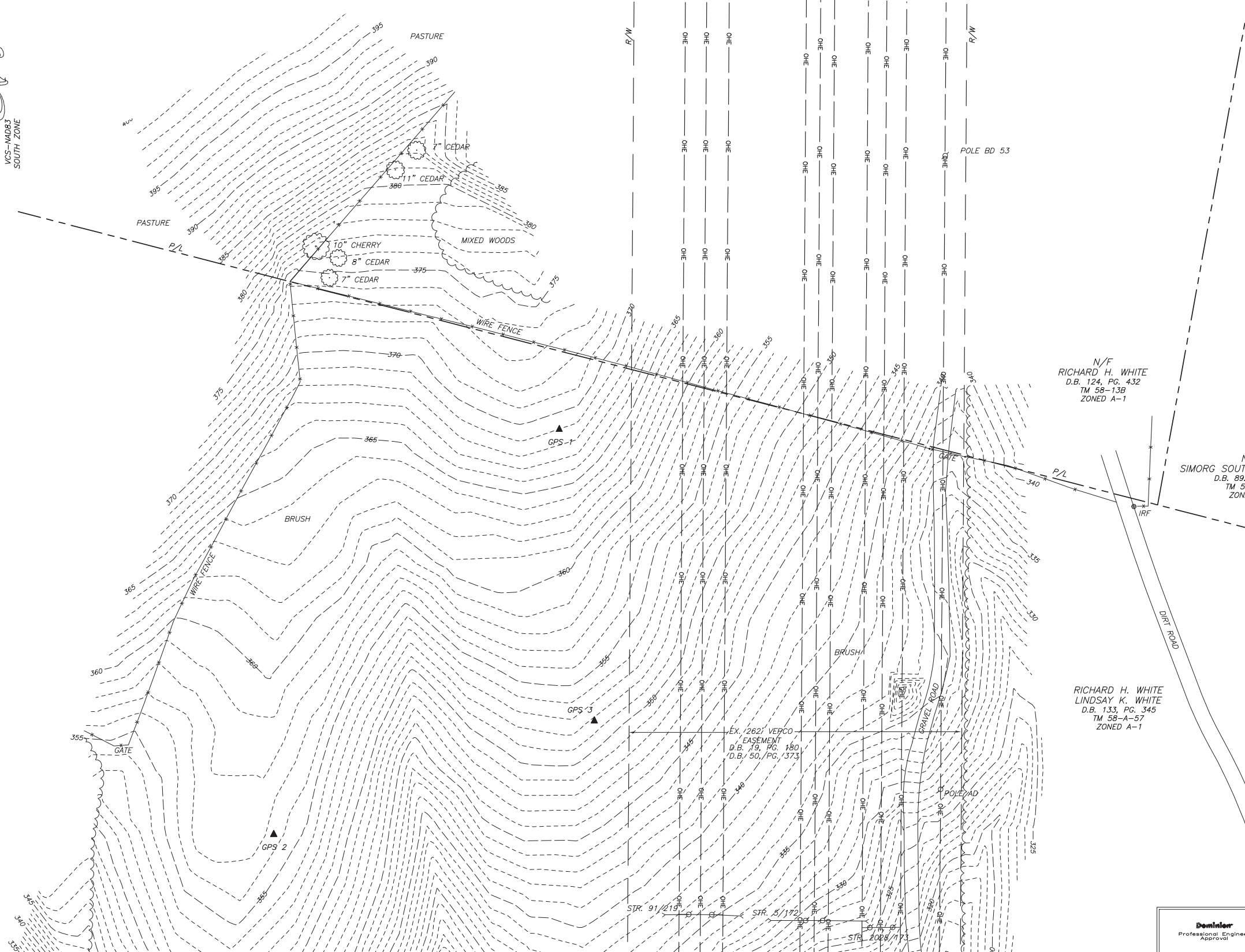


LANDSCAPE SPECIFICATIONS FORK UNION SUBSTATION FLUVANNA COUNTY, VIRGINIA

Designed by:	Name	Date	Project No.	Sheet No.
GE0	TER	08/31/18	99-2668	33 of 47
Approvals:				
Approvals:				

Cad File Name	1550132a.dgn	Drawing No.	1550-132
PLOTTED:	*****SYTIME		

border.dgn PLOTTED: *****SYTIME USERNAME



N/F
RICHARD H. WHITE
D.B. 124, PG. 432
TM 58-13B
ZONED A-1

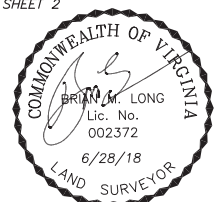
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SIMORG SOUTH FORESTS LLC
D.B. 892, PG. 328
TM 58-A-13
ZONED A-1

RICHARD H. WHITE
LINDSAY K. WHITE
D.B. 133, PG. 345
TM 58-A-57
ZONED A-1

- NOTES:
- 1) HORIZONTAL DATUM: VCS-NAD83 SOUTH ZONE, US SURVEY FEET
 - 2) VERTICAL DATUM: NAVD 88, US SURVEY FEET
 - 3) CURRENT ZONING: A-1 AGRICULTURAL
 - 4) ZONING SETBACKS:
ROUTE 15: 200'
OTHER PUBLIC ROADS: 125'
PRIVATE ROAD: 100'
SIDE YARDS: 50'
REAR YARDS: 75'
 - 5) TOPOGRAPHIC SURVEY PREPARED BY DEWBERRY ENGINEERS INC.
4805 LAKE BROOK DRIVE
SUITE 200
GLEN ALLEN, VA 23060
 - 6) FIELD SURVEY COMPLETED ON MARCH 14, 2018.
 - 7) TITLE REPORT FROM FIDELITY NATIONAL TITLE, COMMITMENT 18-001147, DATED FEBRUARY 13, 2018 WAS USED IN THE PREPARATION OF THIS SURVEY.
 - 8) CONTOUR INTERVAL: 1'

LEGEND

P/L	PROPERTY LINE
T/L	TRANSMISSION LINE
R/W	RIGHT-OF-WAY
⊕	UTILITY POLE
<	GUY WIRE
-OHE-	OVERHEAD ELECTRIC



SURVEYORS CERTIFICATION
THIS TOPOGRAPHIC SURVEY OF FORK UNION SUBSTATION WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF BRIAN M LONG FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE ORIGINAL DATA WAS OBTAINED ON MARCH 2018; AND THAT THIS MAP MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

SURVEY PREPARED BY:
Dewberry
Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, VA 23060-3344
804-290-7957
804-290-7928 (FAX)
www.Dewberry.com
DATE: MARCH 26, 2018
LAST REVISED:



TOPOGRAPHIC SURVEY OF
PROPOSED FORK UNION SUBSTATION SITE
FORK UNION DISTRICT ~ FLUVANNA CO. ~ VIRGINIA

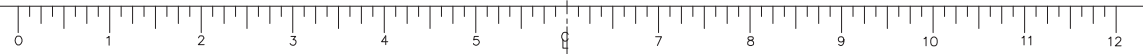
Designed by:	Name	Date	Project No.	Sheet No.
Approvals			Scale 1"=40'	1 OF 2
Approvals				
	B/M No.		Revisions	

Cad File Name: PLOTTED: Drawing No.

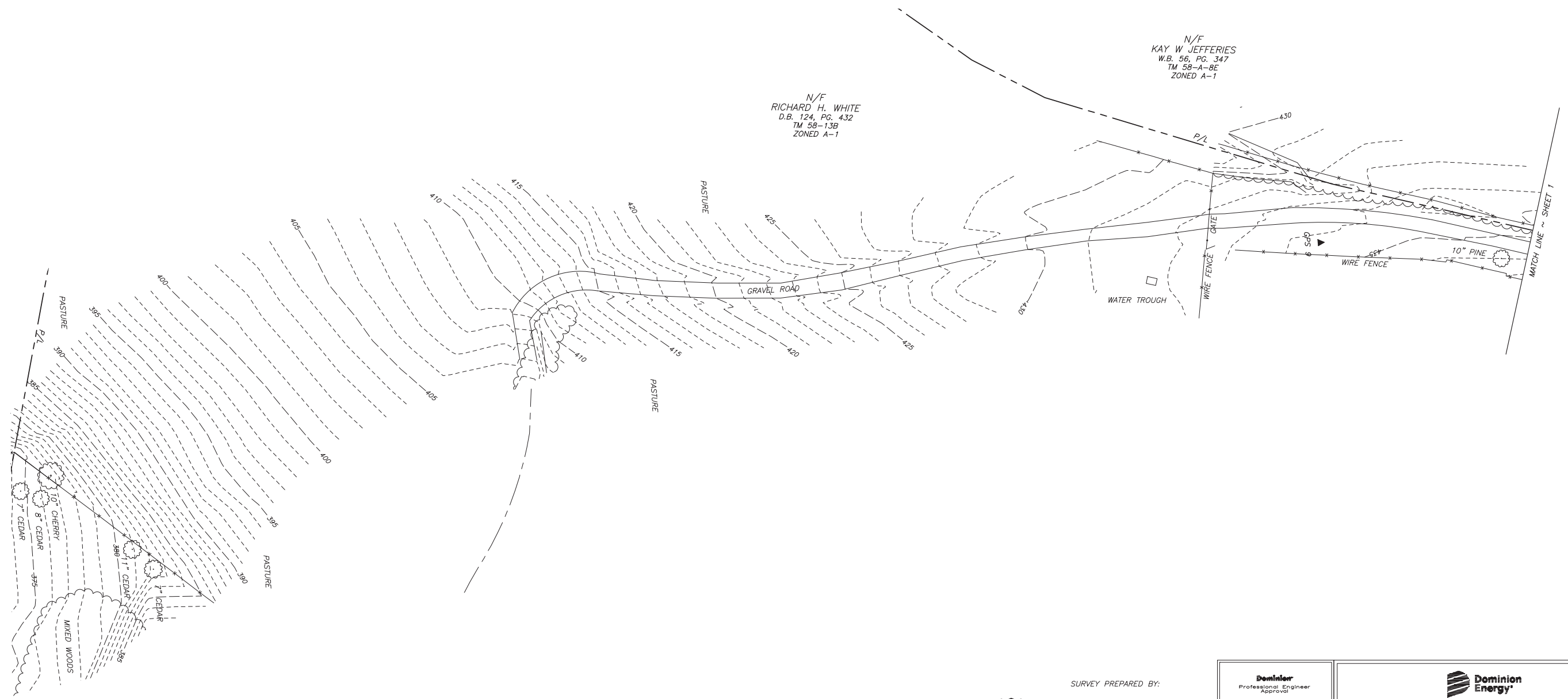
No.	Date	By	Description

Project Number	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures (Pier)	Foundation Cells for Other Typical Structures (Spread)	Steel Detail & Assembly

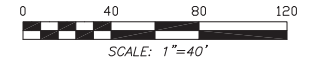
\$USERNAME\$



VCS-NAD83
SOUTH ZONE



No.	Date	By	Description



SURVEYORS CERTIFICATION
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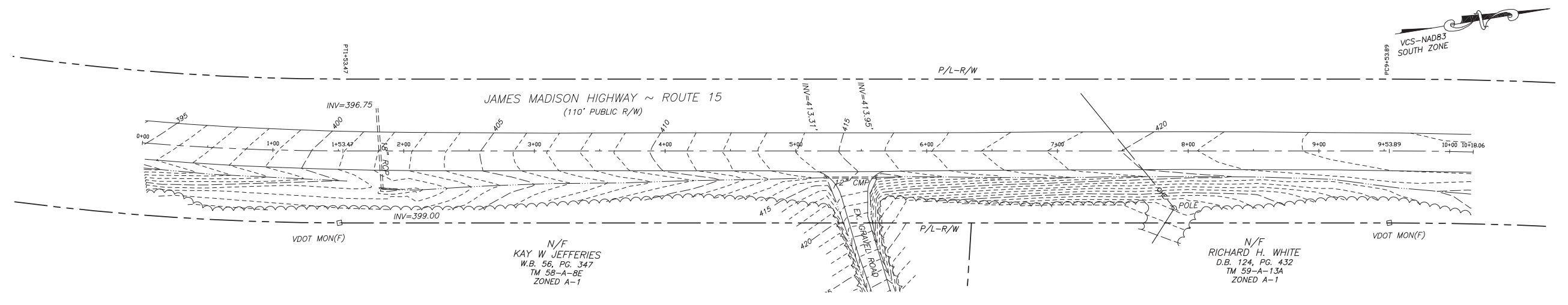
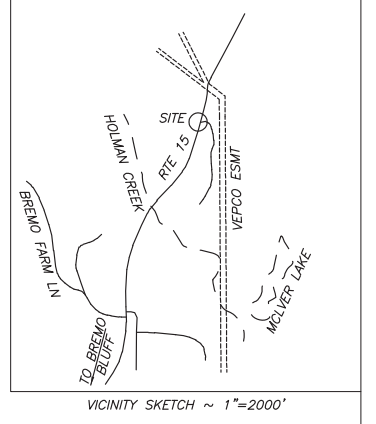
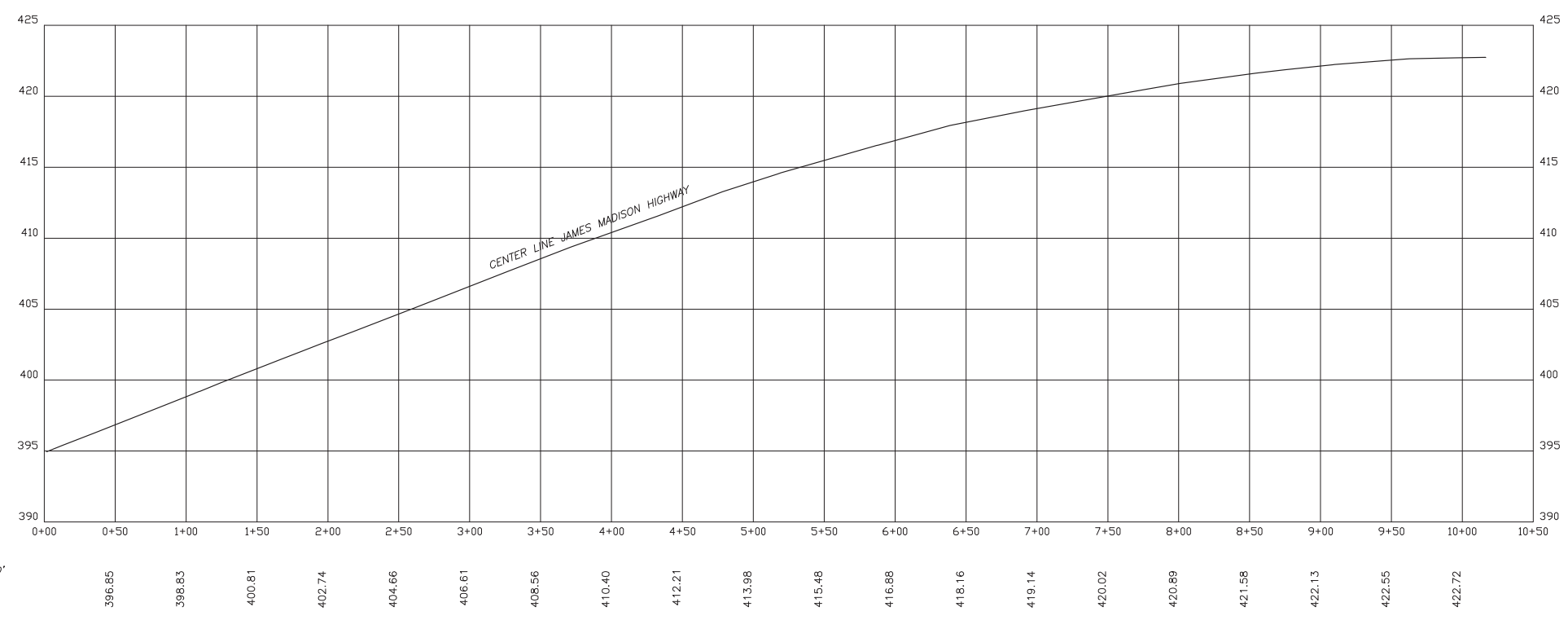
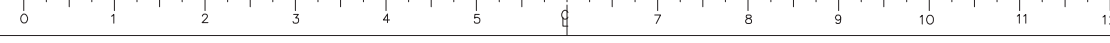


SURVEY PREPARED BY:
Dewberry
 Dewberry Engineers Inc.
 4905 Lake Brook Drive, Suite 200
 Glen Allen, VA 23060-3344
 804-290-7957
 804-290-7928 (FAX)
 www.Dewberry.com

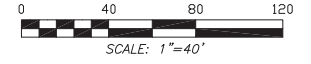
DATE: MARCH 26, 2018
 LAST REVISED: JUNE 28, 2018

TOPOGRAPHIC SURVEY OF PROPOSED FORK UNION SUBSTATION ACCESS ROAD SITE FORK UNION DISTRICT ~ FLUVANNA CO. ~ VIRGINIA			
Designed by:	Name	Date	Project No.
Approvals			Scale: 1"=40'
Approvals			Sheet No. 2 OF 2
	B/M No.	Revisions	
Cad File Name		Drawing No.	
PLOTTED:			

\$USERNAME\$	Typical Drawing Information	Library Location	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures (Pier)	Foundation Cells for Other Typical Structures (Spread)	Steel Detail & Assembly
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- NOTES:
- HORIZONTAL DATUM: VCS-NAD83 SOUTH ZONE, US SURVEY FEET
 - VERTICAL DATUM: NAVD 88, US SURVEY FEET
 - POSTED SPEED: 55 MPH



SURVEYORS CERTIFICATION

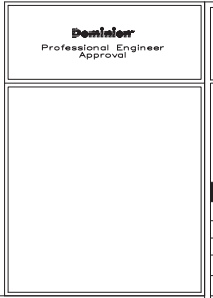
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SURVEY PREPARED BY:

Dewberry
Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, VA 23060-3344
804-290-7957
804-290-7928 (FAX)
www.Dewberry.com

DATE: MARCH 26, 2018
LAST REVISED: JUNE 28, 2018



Dominion Energy			
SITE DISTANCE SURVEY PROPOSED FORK UNION SUBSTATION ACCESS ROAD FORK UNION DISTRICT ~ FLUVANNA CO. ~ VIRGINIA			
Designed by:	Name	Date	Project No.
Approvals			Scale 1"=40'
Approvals			1 OF 1
	B/M No.	Revisions	
Cad File Name		Drawing No.	
PLOTTED:			

No.	Date	By	Description

Project Number	B/M	Library Location	Cell Name	B/M Assembly	Pipe Stand Foundation Cells (Pier)	Pipe Stand Foundation Cells (Spread)	Foundation Cells for Other Typical Structures	Steel Detail & Assembly

Revisions



COUNTY OF FLUVANNA

"Responsive & Responsible Government"

132 Main Street
P.O. Box 540
Palmyra, VA 22963
(434) 591-1910
Fax (434) 591-1911
www.fluvannacounty.org

September 30, 2018

John Mulligan
Virginia Electric and Power Co.
701 East Cary Street
Richmond, VA 23219

Delivered via email to john.a.mulligan@dominionenergy.com

Re: SDP 18:08 – Virginia Electric and Power Co.

Tax Map: 58, Section A, Parcel 57A

Dear Mr. Mulligan:

The following comments have been received from the Technical Review Committee:

1. Department of Forestry did not have any comments.
2. Fire Chief did not have any comments.
3. Sheriff's Department did not have any comments.
4. VDOT:
 - SIGHT DISTANCE SURVEY (Sheet 1 of 1) - the Rte. 15 road profile shown at the location of the existing entrance should provide in excess of 610 of intersection sight distance in each direction which is appropriate for the 55 mph speed limit. Throughout the duration of the construction project, make sure that the Rte. 15 road bank is mowed and/or overhanging limbs are trimmed as necessary to ensure that a minimum of 610 feet of sight distance is available.
 - During the construction phase the existing entrance will function as a Construction Entrance and may need to be upgraded to accommodate construction traffic. At the conclusion of the construction project, dress up the entrance with compacted VDOT #21A stone.
 - All traffic control associated with the project shall be in accordance with the 2015 Virginia Work Area Protection Manual.
 - A VDOT Land Use Permit is required.

The Planning Commission will have a meeting to discuss this item on Tuesday, October 9, 2018. Your attendance is required at this meeting.

If you have any questions or need additional information, please contact me at 434-591-1910.

Sincerely,

Brad Robinson
Senior Planner
Dept. of Planning & Zoning

cc: File



COUNTY OF FLUVANNA

"Responsive & Responsible Government"

ATTACHMENT E

132 Main Street
P.O. Box 540
Palmyra, VA 22963
(434) 591-1910
Fax (434) 591-1911
www.fluvannacounty.org

August 16, 2018

Delivered via email to John.A.Mulligan@dominionenergy.com

John Mulligan
Virginia Electric and Power Co.
701 East Cary Street
Richmond, VA 23219

Re: SUP 18:03 – Virginia Electric and Power Co.
Tax Map: 58, Section A, Parcel 57

Dear Mr. Mulligan:

Please accept this letter as notification of the action taken on August 15, 2018 by the Board of Supervisors with regard to SUP 18:03. The request for a Special Use Permit to construct a major utility was **approved 5-0** with the following seven (7) conditions:

1. Prior to development of the site, a site development plan that meets the requirements of the Fluvanna County Zoning Ordinance must be submitted for review and approval.
2. The size of the use shall not exceed 27 acres.
3. The property shall be maintained in a neat and orderly manner so that the visual appearance from the road and adjacent properties is acceptable to County officials.
4. The site shall be screened from view in accordance with the requirements of Sec. 22-24-7 of the Fluvanna County Code. Screening shall not be required within the transmission right-of-way.
5. The Board of Supervisors, or its representative, reserves the right to inspect the property for compliance with these conditions at any time.
6. Any noise generated by the activity on this site shall be limited to the maximum decibel level allowed by Sec. 15.1-9 A. d. of the County Code.
7. Under Sec. 22-17-4 F (2) of the Fluvanna County Code, the Board of Supervisors has the authority to revoke a Special Use Permit if the property owner has substantially breached the conditions of the Special Use Permit.

As your special use permit has been approved, you may now submit a Site Development Plan application.

If you have any questions or concerns, please do not hesitate to call me at (434) 591-1910, or email me at brobinson@fluvannacounty.org.

Sincerely,



Brad Robinson
Senior Planner
Dept. of Planning & Zoning

Copy: File