

*County of Henrico, Virginia*  
**Capital Improvement Program**  
**FY 2020-21 through FY 2024-25**

**Public Works - Drainage**

Fund 21 Capital Projects Fund

Project/Work Phase	Priority	Request FY 20-21	Request FY 21-22	Request FY 22-23	Request FY 23-24	Request FY 24-25	Total Five Year
00363 County-wide Drainage Improvements	1	100,000	100,000	100,000	100,000	100,000	500,000
06051 Joycelyn Court/Shewalt Drive Drainage	1	0	553,011	0	0	0	553,011
05013 Lawndale Farms Drainage	2	0	1,327,226	0	0	0	1,327,226
06037 Avalon Drive Drainage	3	0	1,106,035	0	0	0	1,106,035
06476 Gaylord Road Drainage	4	0	1,182,352	0	0	0	1,182,352
06846 Lakeside Drainage Area Study	5	0	132,723	0	0	0	132,723
06589 Oak Hill Lane Drainage	1	0	0	2,054,540	0	0	2,054,540
06020 Falmouth/Tacoma Street Drainage Study	2	0	0	147,926	0	0	147,926
06004 Rolando Drive Drainage	3	0	0	2,306,199	0	0	2,306,199
06006 Huntsman Road Drainage Channel	4	0	0	5,217,229	0	0	5,217,229
06013 Homeview Drive	5	0	0	2,040,460	0	0	2,040,460
06000 Beverly Drive/Dinwiddie Avenue Drainage	1	0	0	0	2,283,813	0	2,283,813
06053 Thorpes Branch	2	0	0	0	11,297,796	0	11,297,796
06076 Monterey Avenue Drainage	3	0	0	0	1,022,609	0	1,022,609
06057 Central Gardens Drainage	4	0	0	0	3,606,044	0	3,606,044
06073 Georges Branch Channel	5	0	0	0	10,549,092	0	10,549,092
06010 Henderson Road Drainage	1	0	0	0	0	777,541	777,541
06002 Barribee Lane Drainage	2	0	0	0	0	2,222,409	2,222,409
<b>Total</b>		<b>100,000</b>	<b>4,401,347</b>	<b>11,866,354</b>	<b>28,859,354</b>	<b>3,099,950</b>	<b>48,327,005</b>

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 00363	<b>Project Name:</b> County-wide Drainage Improvements
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 1
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2021
<b>District:</b> Countywide	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Funding will be used for small residential drainage projects countywide. The projects will include improvements to culverts and other drainage related issues to relieve flooding in ditches and yards.

### Purpose and Need

The projects will include improvements to culverts and other drainage related issues to relieve flooding in ditches and yards.

### History and Current Status

In June 2019, the BOS of Supervisors appropriated \$100,000 for miscellaneous small residential drainage projects countywide. The projects will include improvements to culverts and other drainage related issues to relieve flooding in ditches and yards.

### Location

Countywide

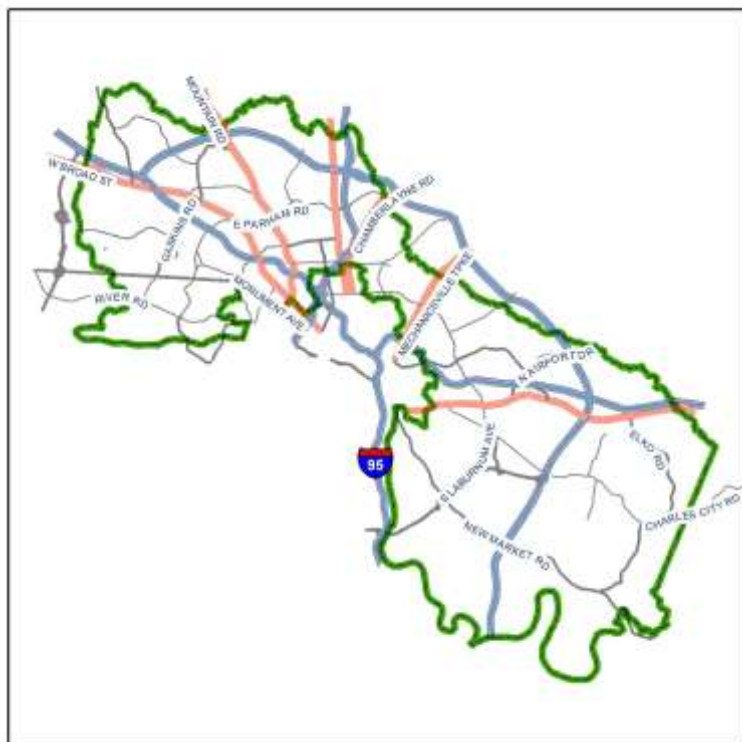
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	0	0
<b>Land</b>	0	0	0	0	0
<b>Site Improvements</b>	0	0	0	0	0
<b>Construction</b>	100,000	100,000	100,000	100,000	100,000
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

### Estimated Operating Costs

### Map

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0



### Notes

<b>Prior Request Year:</b>	New
<b>Prior Request Priority:</b>	New
<b>Prior Request Amount:</b>	\$0

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06051	<b>Project Name:</b> Joycelyn Court/Shewalt Drive Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 1
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2022
<b>District:</b> Fairfield	<b>Revenue Source:</b> No Funding Source

### Description and Scope

The project design includes drainage improvements from Hungary Road to Shewalt Drive with improvements to the outfall at North Run. Hydraulic analysis indicates that constructing the improvements southwest of Hungary Road would fix the drainage issues northeast of Hungary Road and will eliminate roadway flooding and house crawl space flooding with a 100 year or less storm. Public safety is an issue during flooding because Fire Station #11 is within 500 yards of the culvert under Hungary Road. This project can be broken into 2 phases. Environmental re-evaluation is necessary and permitting will be required.

### Purpose and Need

Channel is inadequate causing erosion and flooding of roads and properties.

### History and Current Status

95% designed. Environmental re-evaluation is necessary and permitting will be required.

### Location

Hungary Road to North Run outfall

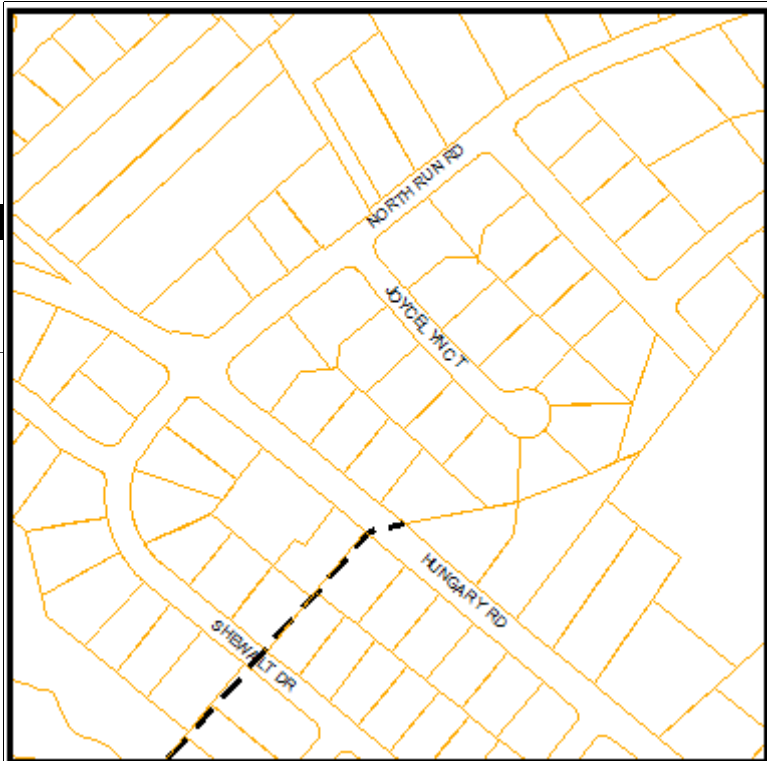
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	55,301	0	0	0
<b>Land</b>	0	55,301	0	0	0
<b>Site Improvements</b>	0	82,952	0	0	0
<b>Construction</b>	0	248,855	0	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	110,602	0	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$553,011	\$0	\$0	\$0

### Estimated Operating Costs

	Map
<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 2
<b>Prior Request Priority:</b>	1
<b>Prior Request Amount:</b>	\$539,091

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 05013	<b>Project Name:</b> Lawndale Farms Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 2
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2022
<b>District:</b> Varina	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Installation of reinforced concrete pipe and drainage inlets appropriate for a 10 year storm and outfall restoration.

### Purpose and Need

Concrete Channel overtops during 10-year storm causing road flooding and property and outfall erosion.

### History and Current Status

Project is 95% designed.

### Location

Pegasi between Orion Road and 150' west of Mizar Road.

### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	132,723	0	0	0
<b>Land</b>	0	132,723	0	0	0
<b>Site Improvements</b>	0	199,084	0	0	0
<b>Construction</b>	0	597,251	0	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	265,445	0	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$1,327,226	\$0	\$0	\$0

### Estimated Operating Costs

### Map

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0



### Notes

<b>Prior Request Year:</b>	Year 2
<b>Prior Request Priority:</b>	2
<b>Prior Request Amount:</b>	\$1,293,820

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06037	<b>Project Name:</b> Avalon Drive Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 3
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2022
<b>District:</b> Tuckahoe	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Improve existing ditch and drainage systems to stabilize the channel.

### Purpose and Need

The existing ditch and drainage system is not adequate, which causes erosion and yard flooding. The channel is difficult to maintain.

### History and Current Status

No work has been done on this project.

### Location

Beginning beside 9316 Avalon Drive and running behind homes facing Avalon Drive and Westmoor Drive.

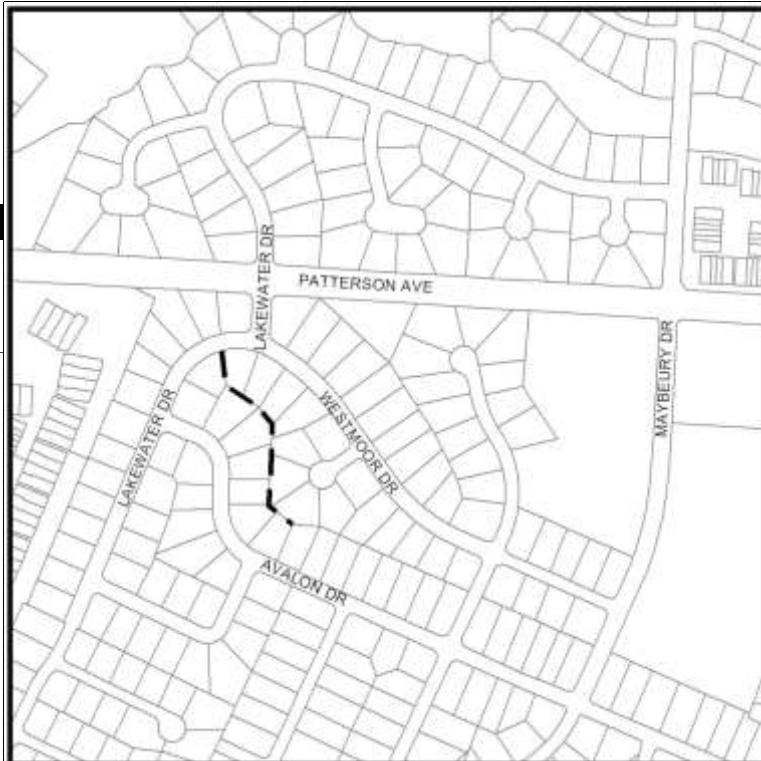
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	110,602	0	0	0
<b>Land</b>	0	110,620	0	0	0
<b>Site Improvements</b>	0	165,903	0	0	0
<b>Construction</b>	0	497,709	0	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	221,201	0	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$1,106,035	\$0	\$0	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 2
<b>Prior Request Priority:</b>	3
<b>Prior Request Amount:</b>	\$1,078,182

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06476	<b>Project Name:</b> Gaylord Road Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 4
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2022
<b>District:</b> Three Chopt	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Installation of reinforced concrete pipe with drainage inlets appropriate to handle a 10 year storm. Outfall improvements and stream channel stabilization will be required.

### Purpose and Need

Road water is collecting in a jurisdictional stream behind the homes on Freestone Avenue and Gaylord Road causing stream bank and property erosion, as well as mosquito hazard.

### History and Current Status

Project is 95% designed.

### Location

Gaylord Road between Girard Road and Parma Road

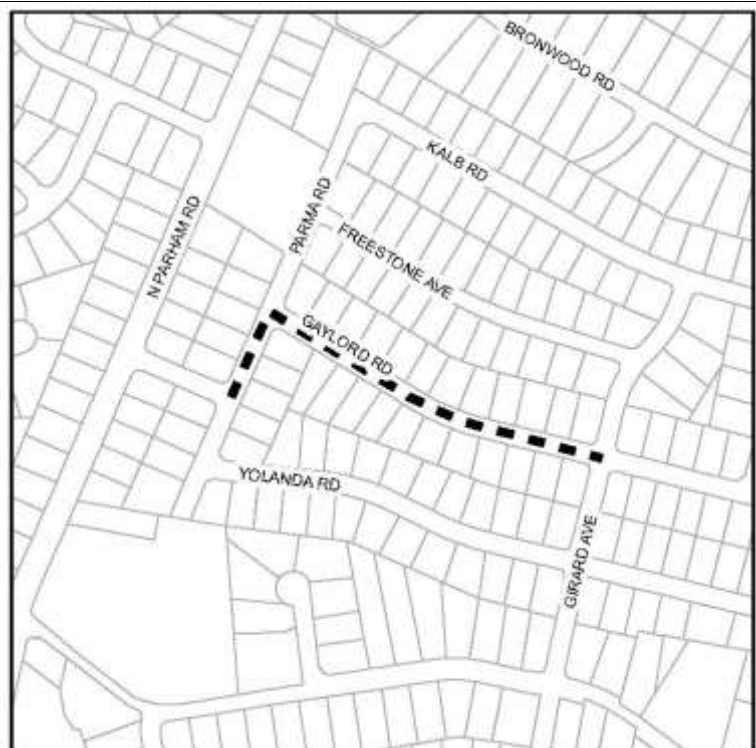
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	118,235	0	0	0
<b>Land</b>	0	118,235	0	0	0
<b>Site Improvements</b>	0	177,353	0	0	0
<b>Construction</b>	0	532,059	0	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	236,470	0	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	<b>\$0</b>	<b>\$1,182,352</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

### Estimated Operating Costs

### Map

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0



### Notes

<b>Prior Request Year:</b>	Year 2
<b>Prior Request Priority:</b>	4
<b>Prior Request Amount:</b>	\$1,152,593

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06846	<b>Project Name:</b> Lakeside Drainage Area Study
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 5
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2022
<b>District:</b> Brookland	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Drainage area study to assess the feasibility of drainage improvements in the area bounded by Hilliard Road/Lakeside Avenue/Dumbarton Road and the CSX Railroad Tracks.

### Purpose and Need

It is difficult to determine if pipes with drainage improvements could be installed without further engineering analysis to see if grades can be met. This study would review the overall drainage area and provide options if there are any to move stormwater more quickly from the streets and residences.

### History and Current Status

The Lakeside area receives a number of drainage complaints annually because of the flat topography. The Public Works Maintenance Division routinely repairs ditches and driveway culverts.

### Location

Area bounded by Hilliard Road/Lakeside Avenue/Dumbarton Road and the CSX Railroad Tracks

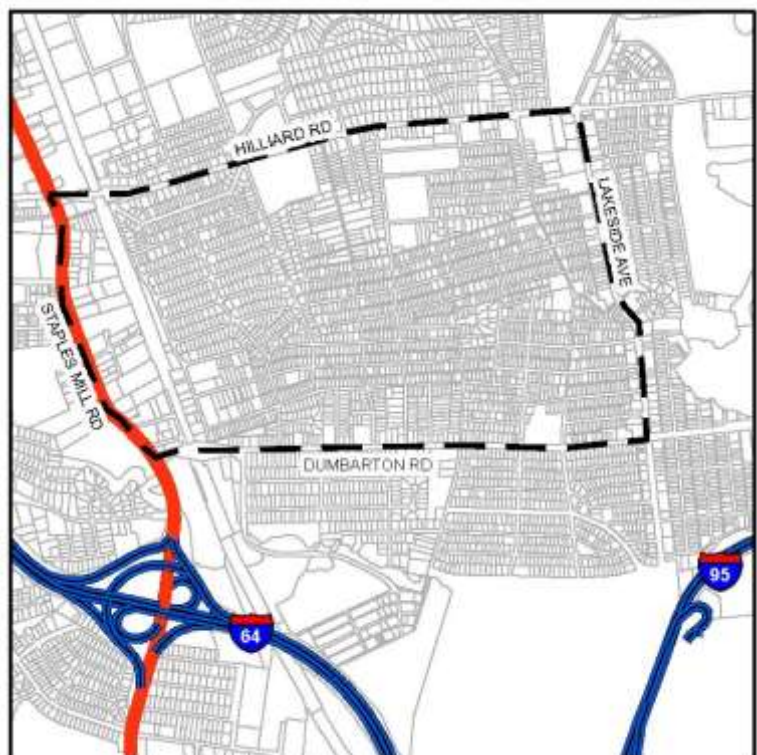
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	0	0
<b>Land</b>	0	0	0	0	0
<b>Site Improvements</b>	0	0	0	0	0
<b>Construction</b>	0	132,723	0	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$132,723	\$0	\$0	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 2
<b>Prior Request Priority:</b>	5
<b>Prior Request Amount:</b>	\$129,382

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06589	<b>Project Name:</b> Oak Hill Lane Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 1
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2023
<b>District:</b> Fairfield	<b>Revenue Source:</b> No Funding Source

### Description and Scope

This project will install reinforced concrete pipe and drainage inlets. Water quality and quantity measures will be an integral part of this design, and environmental permitting will be required. This project may be eligible for CDBG funding.

### Purpose and Need

Project is needed to improve roadway flooding and ditch erosion.

### History and Current Status

This project is 70% designed and will require additional environmental analysis.

### Location

Oak Hill Lane to 1,250 feet east of Mechanicsville Turnpike

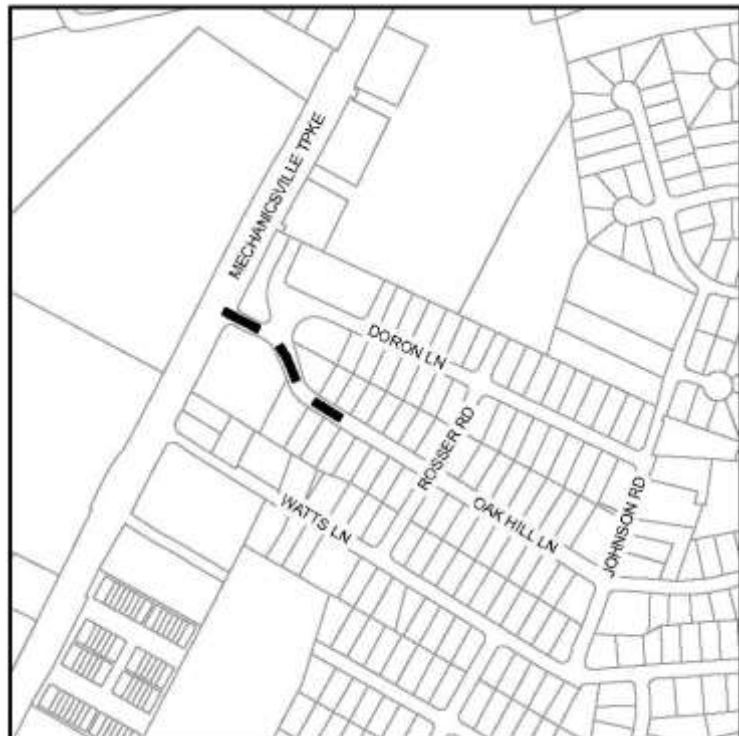
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	205,454	0	0
<b>Land</b>	0	0	205,454	0	0
<b>Site Improvements</b>	0	0	308,181	0	0
<b>Construction</b>	0	0	924,543	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	410,908	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,054,540</b>	<b>\$0</b>	<b>\$0</b>

### Estimated Operating Costs

### Map

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0



### Notes

<b>Prior Request Year:</b>	Year 3
<b>Prior Request Priority:</b>	1
<b>Prior Request Amount:</b>	\$1,999,073



# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06020	<b>Project Name:</b> Falmouth/Tacoma Street Drainage Study
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 2
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2023
<b>District:</b> Brookland	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Stormwater from both Falmouth Street and Tacoma Street empties directly to Horsepen Creek. Water quality and quantity is a component of this project and will require purchase of TMDL credits and water quantity detention. Environmental permitting will be required and mitigation may be required.

### Purpose and Need

The existing drainage ditch is inadequate and causes flooding and erosion problems.

### History and Current Status

No work has begun on this project.

### Location

Beginning behind the homes on the west side of Falmouth St and behind the homes on the east side of Tacoma St

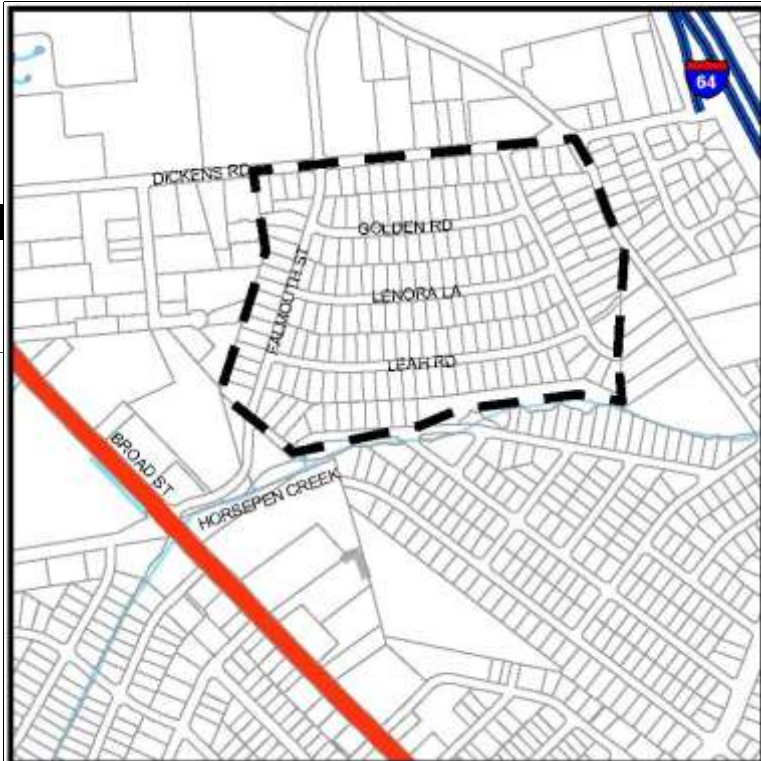
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	0	0
<b>Land</b>	0	0	0	0	0
<b>Site Improvements</b>	0	0	0	0	0
<b>Construction</b>	0	0	147,926	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$147,926	\$0	\$0

### Estimated Operating Costs

	Map
<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 3
<b>Prior Request Priority:</b>	2
<b>Prior Request Amount:</b>	\$143,932

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06004	<b>Project Name:</b> Rolando Drive Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 3
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2023
<b>District:</b> Tuckahoe	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Install reinforced concrete pipe and drainage inlets on Rolando Drive between Parham Road and Camden Drive to carry a 10-year storm.

### Purpose and Need

The ditch line along the roadway is deep and scoured. Environmental impacts are minimal, but permitting may still be required.

### History and Current Status

No work has been done on this project.

### Location

Beginning at the intersection of Rolando Drive and Camden Drive running westerly to Parham Road along Rolando

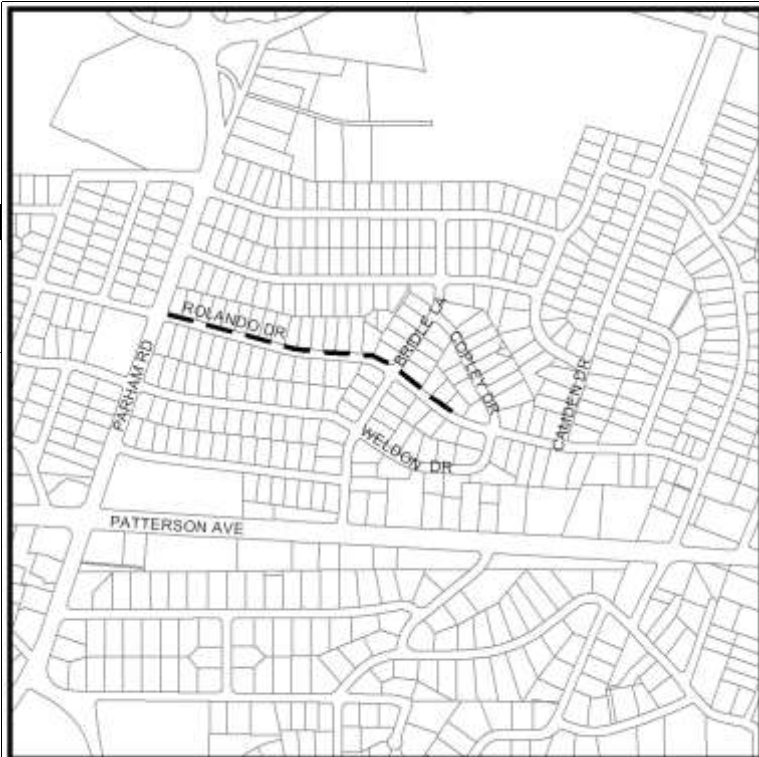
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	230,620	0	0
<b>Land</b>	0	0	230,620	0	0
<b>Site Improvements</b>	0	0	345,930	0	0
<b>Construction</b>	0	0	1,037,789	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	461,240	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,306,199</b>	<b>\$0</b>	<b>\$0</b>

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 3
<b>Prior Request Priority:</b>	3
<b>Prior Request Amount:</b>	\$2,243,940

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06006	<b>Project Name:</b> Huntsman Road Drainage Channel
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 4
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2023
<b>District:</b> Varina	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Improve the drainage channel by installing a reinforced concrete pipe and drainage inlets along the existing ditch line of Huntsman Road.

### Purpose and Need

The existing severely eroded drainage channel is inadequate to carry a 10-year storm, causing localized flooding and maintenance problems.

### History and Current Status

No work has been done on this project.

### Location

Channel is between Huger Dr and Treva Rd and between Wootton Road to Huntsman Rd and westerly on Huntsman Rd

### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	521,723	0	0
<b>Land</b>	0	0	521,723	0	0
<b>Site Improvements</b>	0	0	782,584	0	0
<b>Construction</b>	0	0	2,347,753	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	1,043,446	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$5,217,229	\$0	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 3
<b>Prior Request Priority:</b>	4
<b>Prior Request Amount:</b>	\$5,076,380

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06013	<b>Project Name:</b> Homeview Drive
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 5
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2023
<b>District:</b> Three Chopt	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Engineering for storm water detention, drainage facilities, curb and gutter, and other roadway improvements on Homeview Drive between West Broad Street and East Parham Road. Several properties will need to be identified and purchased in order to construct the detention basin(s) for this project.

### Purpose and Need

The existing drainage ditch located to the rear of the properties along the east side of Homeview Drive is eroded and inadequately sized to handle the existing volume of storm water resulting in flooding on private property. This project will divert most storm water to drainage facilities to be constructed on Homeview Drive and include detention basin(s) adjacent to the roadway to control downstream flow.

### History and Current Status

This project, first included in the FY2016 CIP, has many different components, funding will be used to design the project in order to develop an accurate construction cost estimate.

### Location

Homeview Drive between West Broad Street and East Parham Road

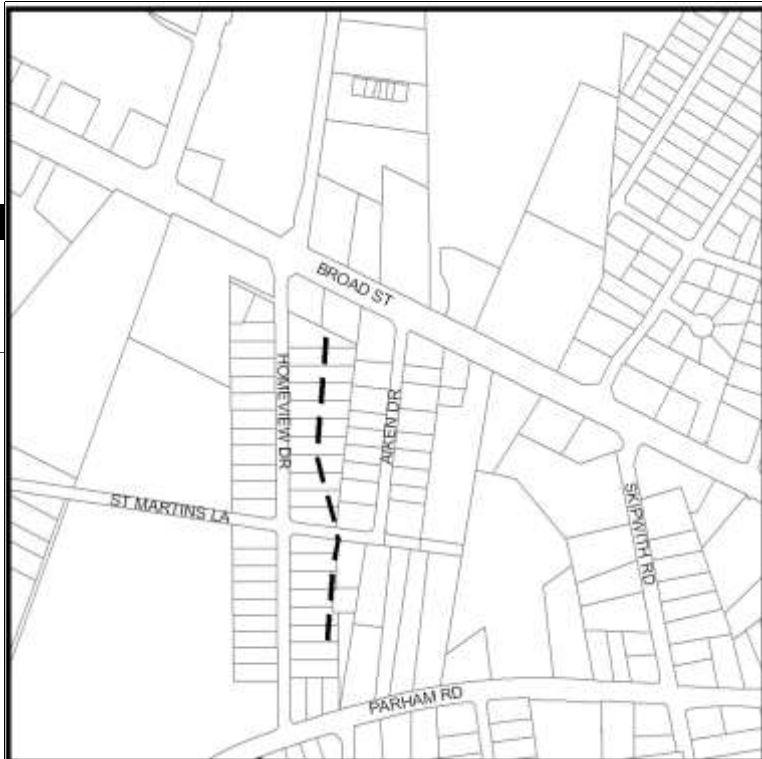
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	204,046	0	0
<b>Land</b>	0	0	204,046	0	0
<b>Site Improvements</b>	0	0	306,069	0	0
<b>Construction</b>	0	0	918,207	0	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	408,092	0	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$2,040,460	\$0	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 3
<b>Prior Request Priority:</b>	5
<b>Prior Request Amount:</b>	\$1,985,376

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06000	<b>Project Name:</b> Beverly Drive/Dinwiddie Avenue Drainag
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 1
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2024
<b>District:</b> Tuckahoe	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Install reinforced concrete pipe and drainage inlets from 100 feet south of Three Chopt Road, along Beverly Drive to tie into the existing storm sewer near the intersection of Beverly Drive and Rexford Road.

### Purpose and Need

The existing storm sewer system is inadequate to carry a 10-year storm causing flooding and erosion damage.

### History and Current Status

No work has been done on this project.

### Location

Between Beverly Drive and Dinwiddie Avenue from Three Chopt Road to 100 feet south of Rexford Road.

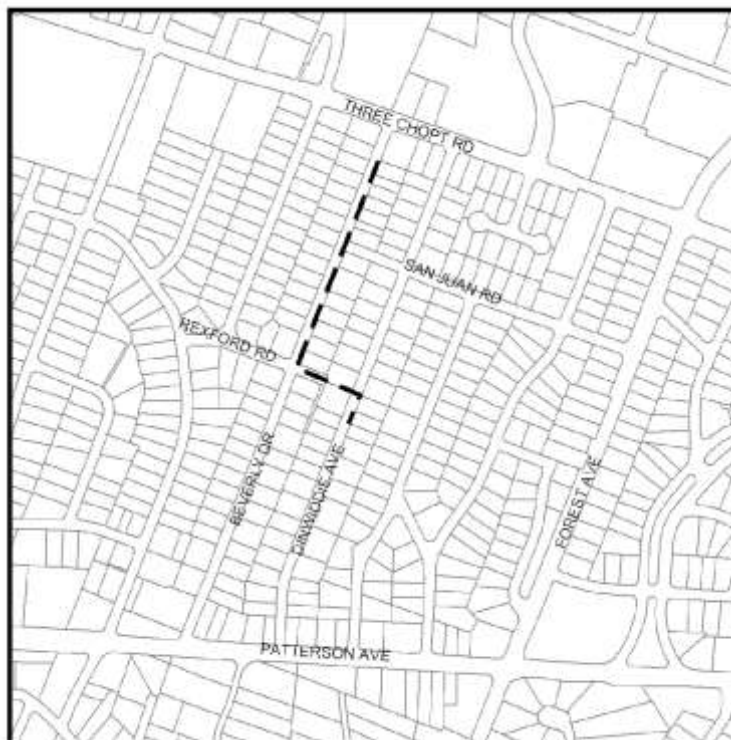
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	228,381	0
<b>Land</b>	0	0	0	228,381	0
<b>Site Improvements</b>	0	0	0	342,572	0
<b>Construction</b>	0	0	0	1,027,716	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	456,763	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$0	\$2,283,813	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 4
<b>Prior Request Priority:</b>	1
<b>Prior Request Amount:</b>	\$2,227,518

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06053	<b>Project Name:</b> Thorpes Branch
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 2
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2024
<b>District:</b> Brookland	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Provide a proper drainage channel through improvements including bank clearing, stabilization, and armoring to provide capacity for a 10-year storm.

### Purpose and Need

The existing drainage channel to Thorpes Branch between Staples Mill Road and Woodman Road is inadequate to carry the drainage causing flooding to residences and severe erosion of the banks along this branch.

### History and Current Status

No work has been done on this project.

### Location

Beginning east of CSX Railroad tracks at Impala Place eastward to Pershing Avenue.

### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	1,129,780	0
<b>Land</b>	0	0	0	1,129,780	0
<b>Site Improvements</b>	0	0	0	1,694,669	0
<b>Construction</b>	0	0	0	5,084,008	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	2,259,559	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$0	\$11,297,796	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 4
<b>Prior Request Priority:</b>	2
<b>Prior Request Amount:</b>	\$11,019,307

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06076	<b>Project Name:</b> Monterey Avenue Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 3
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2024
<b>District:</b> Varina	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Install a storm sewer to handle a 10-year storm in front of 204 and 206 Monterey Avenue.

### Purpose and Need

The existing ditch, next to pavement without a shoulder, creates a safety hazard.

### History and Current Status

No work has been done on this project.

### Location

On the east side of Monterey Avenue in front of 204 and 206 Monterey Avenue

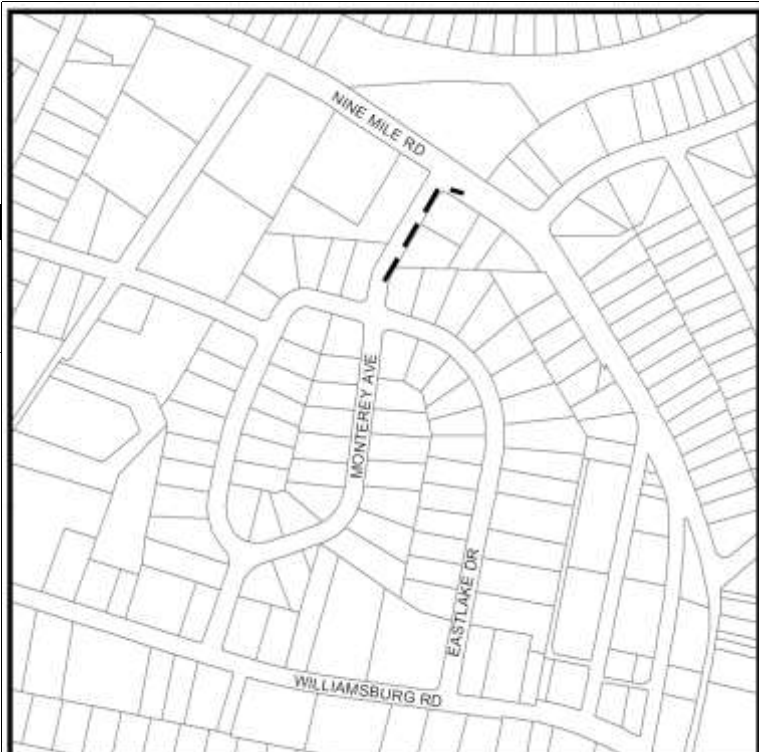
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	102,261	0
<b>Land</b>	0	0	0	102,261	0
<b>Site Improvements</b>	0	0	0	153,391	0
<b>Construction</b>	0	0	0	460,174	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	204,522	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,022,609</b>	<b>\$0</b>

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 4
<b>Prior Request Priority:</b>	3
<b>Prior Request Amount:</b>	\$997,401

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06057	<b>Project Name:</b> Central Gardens Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 4
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2024
<b>District:</b> Fairfield	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Perform study and design a drainage system in the area to carry a 10-year storm.

### Purpose and Need

Yards and streets flood as a result of poor drainage.

### History and Current Status

No work has been done on this project.

### Location

Area bounded on north by Hechler St, east by Hartman St, south by I-64, and on west by Apollo Rd.

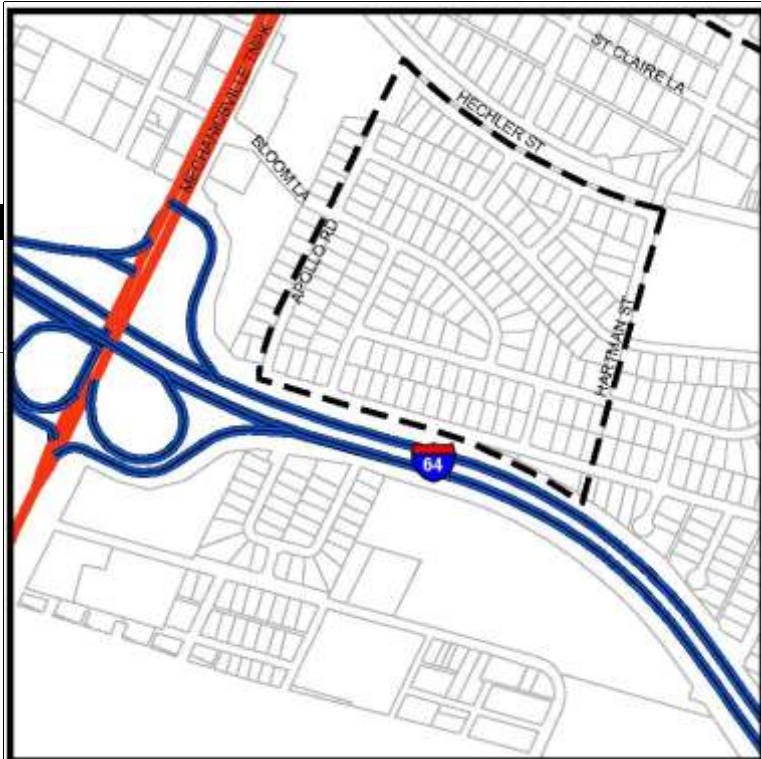
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	360,604	0
<b>Land</b>	0	0	0	360,604	0
<b>Site Improvements</b>	0	0	0	540,907	0
<b>Construction</b>	0	0	0	1,622,720	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	721,209	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$0	\$3,606,044	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 4
<b>Prior Request Priority:</b>	4
<b>Prior Request Amount:</b>	\$3,517,156



# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06073	<b>Project Name:</b> Georges Branch Channel
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 5
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2024
<b>District:</b> Tuckahoe	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Improve the channel capacity with bank stabilization between Mooreland Road and Gaskins Road.

### Purpose and Need

The existing open channel is inadequate to carry the existing drainage and is causing erosion along the banks of the stream.

### History and Current Status

No work has been done on this project.

### Location

Georges Branch from Gaskins Road to Mooreland Road.

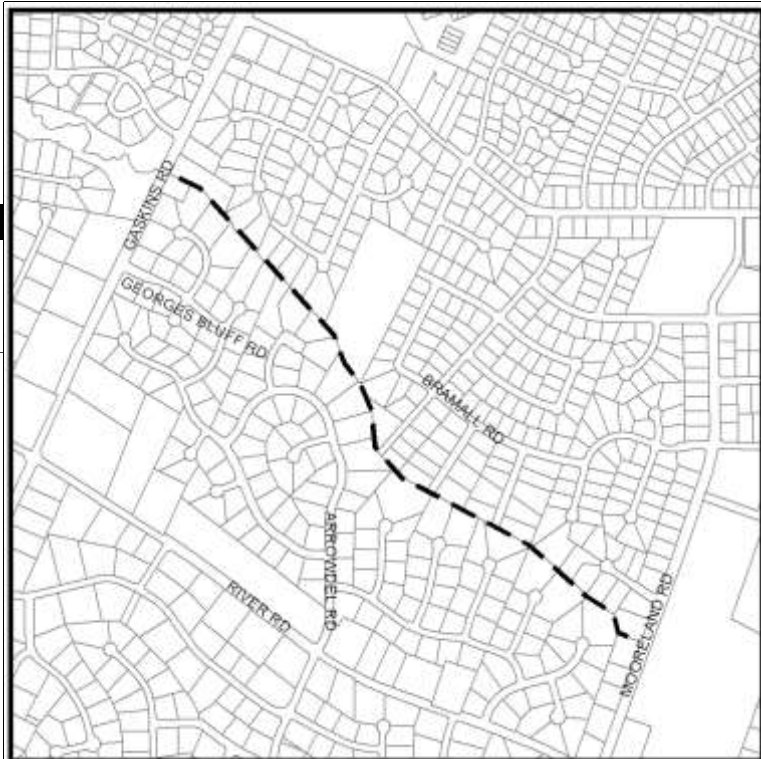
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	1,054,909	0
<b>Land</b>	0	0	0	1,054,909	0
<b>Site Improvements</b>	0	0	0	1,582,364	0
<b>Construction</b>	0	0	0	4,747,092	0
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	2,109,818	0
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$0	\$10,549,092	\$0

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 4
<b>Prior Request Priority:</b>	5
<b>Prior Request Amount:</b>	\$10,289,059

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06010	<b>Project Name:</b> Henderson Road Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 1
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2025
<b>District:</b> Brookland	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Provide an adequate stormwater system to accommodate a 10-year storm.

### Purpose and Need

Significant yard flooding is exacerbated due to poor maintenance. Adjacent to a wetland likely created by poor drainage and additional run-off from business development along Broad Street.

### History and Current Status

No work has been done on this project.

### Location

Beginning on Bremo Road between Broad Street and North Crestwood Avenue and running southeast to Henderson Rd

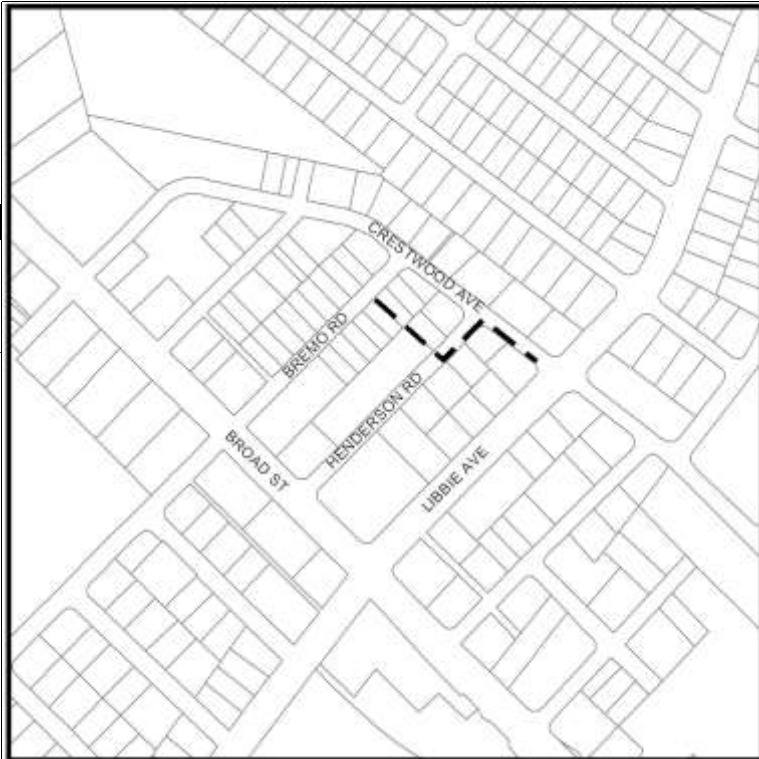
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	0	77,754
<b>Land</b>	0	0	0	0	77,754
<b>Site Improvements</b>	0	0	0	0	116,631
<b>Construction</b>	0	0	0	0	349,894
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	0	155,508
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$0	\$0	\$777,541

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

**Prior Request Year:** Year 5  
**Prior Request Priority:** 1  
**Prior Request Amount:** \$761,601

# Capital Improvement Program

## FY2020/21 - FY2024/25 - Fund - 21 - Capital Projects Fund

<b>Project No:</b> 06002	<b>Project Name:</b> Barrabee Lane Drainage
<b>Department:</b> Public Works - Drainage	<b>Department Priority:</b> 2
<b>Project Type:</b> Drainage	<b>Fiscal Year:</b> 2025
<b>District:</b> Three Chopt	<b>Revenue Source:</b> No Funding Source

### Description and Scope

Install storm sewer system to carry a 10-year storm along Barrabee Lane between Lawndell Drive and Claymont Drive.

### Purpose and Need

The existing drainage channel is inadequate to carry drainage, causing considerable erosion to the residential lawns in this area.

### History and Current Status

No work has been done on this project.

### Location

Beginning at the intersection of Rainbow Drive and Cool Brook Drive and running northeasterly across Colwyn

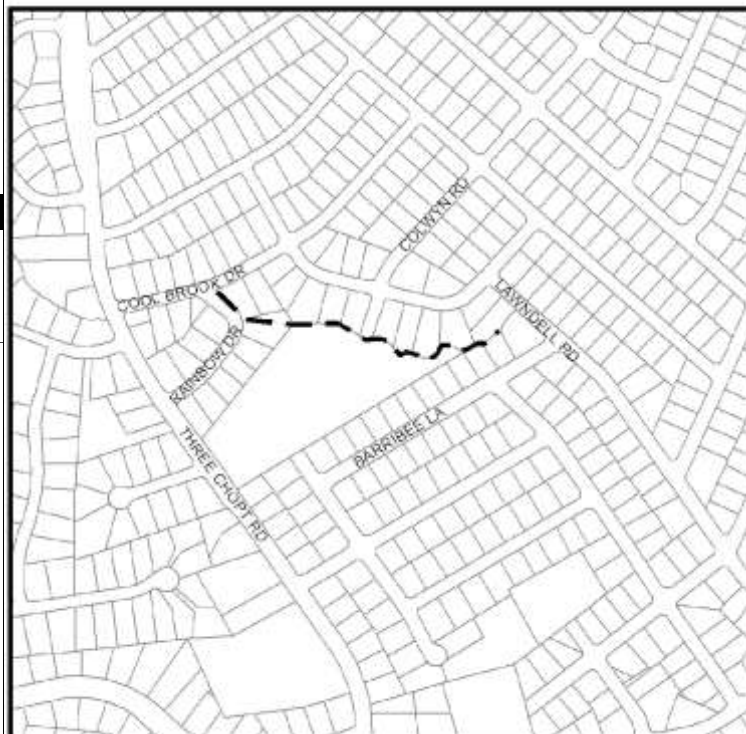
### Capital Expenditures

	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Planning and Design</b>	0	0	0	0	222,241
<b>Land</b>	0	0	0	0	222,241
<b>Site Improvements</b>	0	0	0	0	333,361
<b>Construction</b>	0	0	0	0	1,000,084
<b>Direct Equipment</b>	0	0	0	0	0
<b>Vehicle Replacement</b>	0	0	0	0	0
<b>Other project Costs</b>	0	0	0	0	444,482
<b>Furniture and Fixtures</b>	0	0	0	0	0
<b>Total Request</b>	\$0	\$0	\$0	\$0	\$2,222,409

### Estimated Operating Costs

<b>FY2021</b>	\$0
<b>FY2022</b>	\$0
<b>FY2023</b>	\$0
<b>FY2024</b>	\$0
<b>FY2025</b>	\$0

### Map



### Notes

<b>Prior Request Year:</b>	Year 5
<b>Prior Request Priority:</b>	2
<b>Prior Request Amount:</b>	\$2,176,849