

CAPITAL IMPROVEMENT PROGRAM

FY 2010-11 THROUGH FY 2014-15

PUBLIC UTILITIES - SEWER

FUND 51

ENTERPRISE FUND - PUBLIC UTILITIES

Prepared by: OMB March, 2010

County of Henrico, Virginia
Capital Improvement Program
FY 2010-11 through FY 2014-15

Public Utilities-Sewer

Fund 51 Enterprise Fund - W&S

Project/Work Phase	Priority	Request FY 10-11	Request FY11-12	Request FY 12-13	Request FY 13-14	Request FY 14-15	Total Five Year
00782 New Sewer Connections	1	400,000	400,000	400,000	400,000	400,000	2,000,000
00772 Sewer Line Extensions	2	750,000	750,000	750,000	750,000	750,000	3,750,000
00732 Sewer Line Rehabilitation	3	2,000,000	2,000,000	2,000,000	2,000,000	4,000,000	12,000,000
00743 Sewer Pump Station Improvements	4	1,700,000	100,000	100,000	100,000	100,000	2,100,000
00737 Sewer Reloc., Adjustments & Crossings	5	200,000	200,000	200,000	200,000	200,000	1,000,000
00725 Plan Review and Inspection	6	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	10,500,000
06492 Roof Replacement	7	50,000	50,000	50,000	50,000	50,000	250,000
00813 Emergency Power Project - Sewer	8	7,169,000	0	0	0	0	7,169,000
00749 Broadwater Area BWII Sewer Rehab	9	9,170,100	0	0	459,326	600,000	10,229,426
06447 Route 33 To Lakeside Sewer Main	10	2,070,000	0	0	8,155,800	0	10,225,800
01076 Strawberry Hill Basin Sewer Rehab	11	4,200,000	4,200,000	3,700,000	3,700,000	4,900,000	20,700,000
06162 River Road SPS Improvements	12	879,750	0	0	0	0	879,750
06135 River Road Basin Sewer Rehabilitation	13	203,172	253,965	1,950,450	0	700,000	3,107,587
06443 Gambles Mill Sewer FM Vent Facility	1	0	5,500,000	0	0	0	5,500,000
00747 Lakeside to Strawberry Hill SPS FEP	2	0	25,739,000	0	0	0	25,739,000
06152 Gambles Mill SPS FEB Modification	1	0	0	4,140,000	0	15,525,000	19,665,000
00735 Water Reclamation Facility Improvements	2	0	0	3,105,000	0	10,401,750	13,506,750
06445 Strawberry Hill SPS Capacity Improv.	3	0	0	1,552,500	0	5,458,590	7,011,090
06459 Broadwater Creek I SPS & FEB	4	0	0	1,035,000	0	0	1,035,000
06446 Strawberry Hill FM Creighton Rd Vent Fclty.	5	0	0	698,625	0	0	698,625
06448 Broadwater Creek II SPS Improvements	6	0	0	465,750	1,788,480	0	2,254,230
06139 Gillies Creek Basin Sewer Rehabilitation	7	0	0	406,344	507,930	4,300,000	5,214,274
06444 Hungary Road Vent Facility	1	0	0	0	1,000,000	3,000,000	4,000,000
06450 White Oak SPS FM	2	0	0	0	1,345,500	4,171,050	5,516,550
06449 White Oak SPS Improvements	3	0	0	0	362,250	1,408,635	1,770,885
06514 White Oak Trunk Sewer	4	0	0	0	621,000	1,449,000	2,070,000
06131 Gambles Mill Basin Sewer Rehabilitation	5	0	0	0	449,255	600,000	1,049,255
06569 Lakeside Storage Facilities	1	0	0	0	0	9,315,000	9,315,000
Total		30,892,022	41,292,965	22,653,669	23,989,541	69,429,025	188,257,222

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00782	Project Name: New Sewer Connections
Department: Public Utilities-Sewer	Department Priority: 1
Project Type: Sewer	Fiscal Year: 2011
District: Countywide	Revenue Source: Enterprise Funds

Description and Scope

Design and construct sewer service connections to serve new customers requesting service connections to existing sewer mains.

Purpose and Need

Installation of sewer service connections for owner occupied homes on existing parcels is a service provided by Public Utilities as described in the County Code.

History and Current Status

Ongoing project. Funding remains at \$400,000 per year.

Location

Countywide

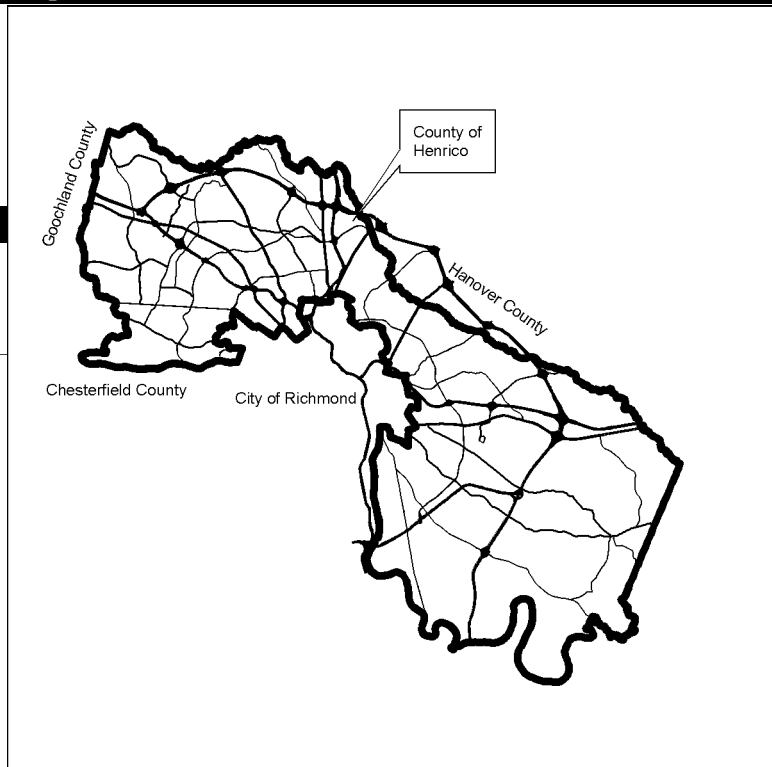
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	400,000	400,000	400,000	400,000	400,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 1
Prior Request Priority: 1
Prior Request Amount: \$400,000

Recommended FY2011 funding:
 \$400,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00772	Project Name: Sewer Line Extensions
Department: Public Utilities-Sewer	Department Priority: 2
Project Type: Sewer	Fiscal Year: 2011
District: Countywide	Revenue Source: Enterprise Funds

Description and Scope

Design and construct sewer main extensions from the existing system to serve owner occupied single family residences.

Purpose and Need

Installation of sewer main extensions for owner occupied homes is a service provided by Public Utilities as described in the County Code to provide sewer service to new customers.

History and Current Status

Ongoing project. Funding reduced from \$1,250,000 per year to \$750,000 per year based on anticipated demand.

Location

Countywide

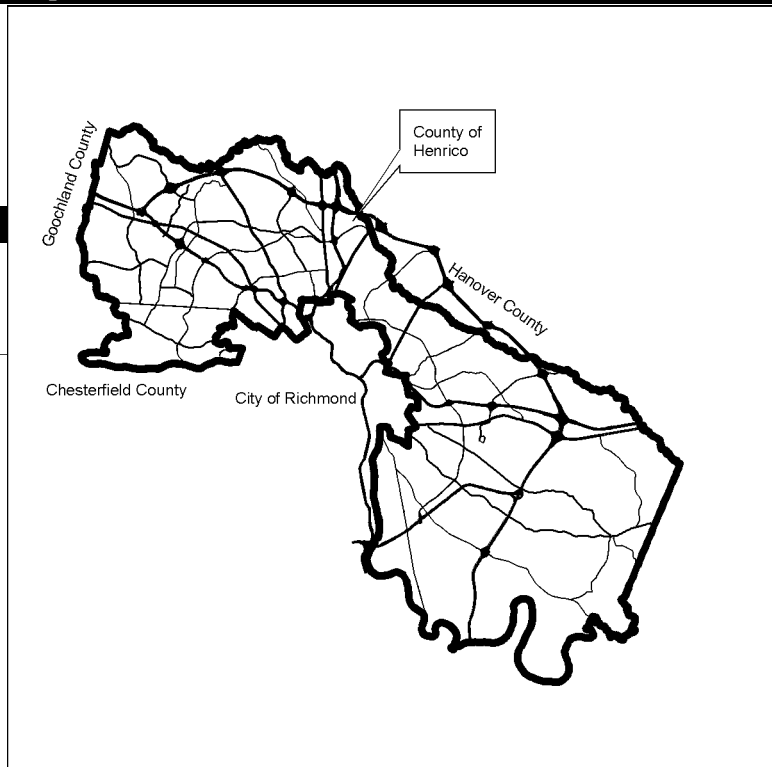
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	50,000	50,000	50,000	50,000	50,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	700,000	700,000	700,000	700,000	700,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	2
Prior Request Amount:	\$1,250,000

Recommended FY2011 funding:
\$750,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00732	Project Name: Sewer Line Rehabilitation
Department: Public Utilities-Sewer	Department Priority: 3
Project Type: Sewer	Fiscal Year: 2011
District: Countywide	Revenue Source: Enterprise Funds

Description and Scope

Rehabilitate or replace deteriorated sewer mains. Rehabilitation includes the use of trenchless technology including sliplined, fold and formed and cured in place pipe.

Purpose and Need

The needs for these individual projects are determined through the Department's wet weather flow program, TV inspection program, sewer main cleaning program and work orders. The Operations Division determines the need and priority for each project based on their analysis of the above factors.

History and Current Status

This is an ongoing project for each year of the approved CIP. Schedule submitted in prior year CIP: FY2010 - \$1,000,000; FY2011 - \$2,000,000; FY2012 - \$4,000,000; FY2013 - \$4,000,000; FY2014 - \$3,000,000. Funding request in FY2011 is unchanged.

Location

Countywide

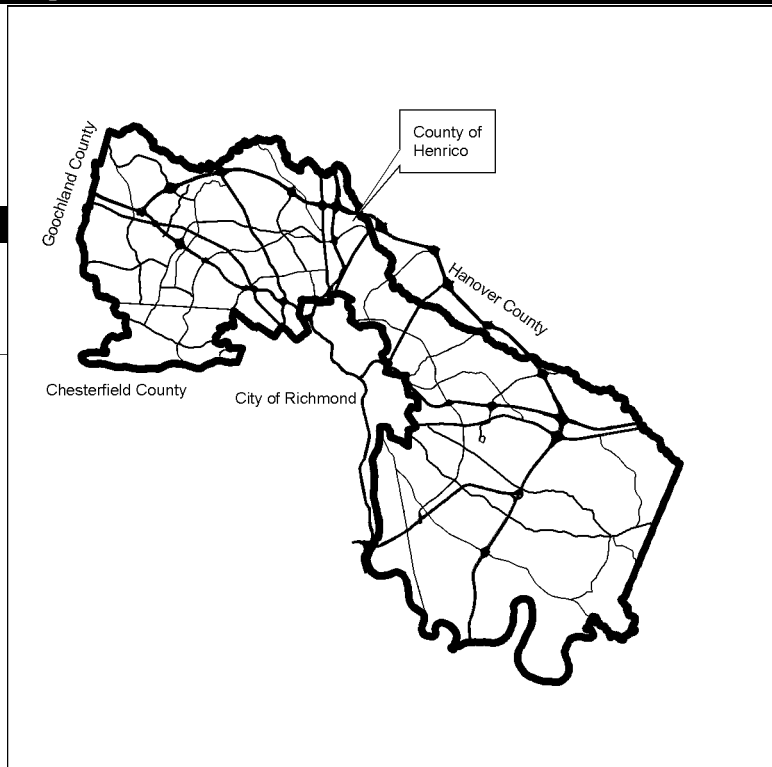
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	400,000	400,000	400,000	400,000	800,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	1,600,000	1,600,000	1,600,000	1,600,000	3,200,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$4,000,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	3
Prior Request Amount:	\$1,000,000

Recommended FY2011 funding:
\$2,000,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00743	Project Name: Sewer Pump Station Improvements
Department: Public Utilities-Sewer	Department Priority: 4
Project Type: Sewer	Fiscal Year: 2011
District: Countywide	Revenue Source: Enterprise Funds

Description and Scope

Design and construct improvements and major repairs at existing sewage pumping stations necessary to upgrade and repair sewer pumping stations.

Purpose and Need

The need for upgrades and repairs to pumping stations is determined from Operations on-going maintenance programs and from the master utility plan.

History and Current Status

Ongoing project. Schedule submitted in prior year: FY2010 - \$100,000; FY2011 - \$1,700,000; FY2012 - \$100,000; FY2013 - \$100,000; FY2014 - \$100,000. Funding in FY2011 is for replacement of variable frequency drives at Allen's Branch SPS and Elko SPS, and the requested amount is based on an updated construction cost estimate for the proposed work.

Location

Countywide

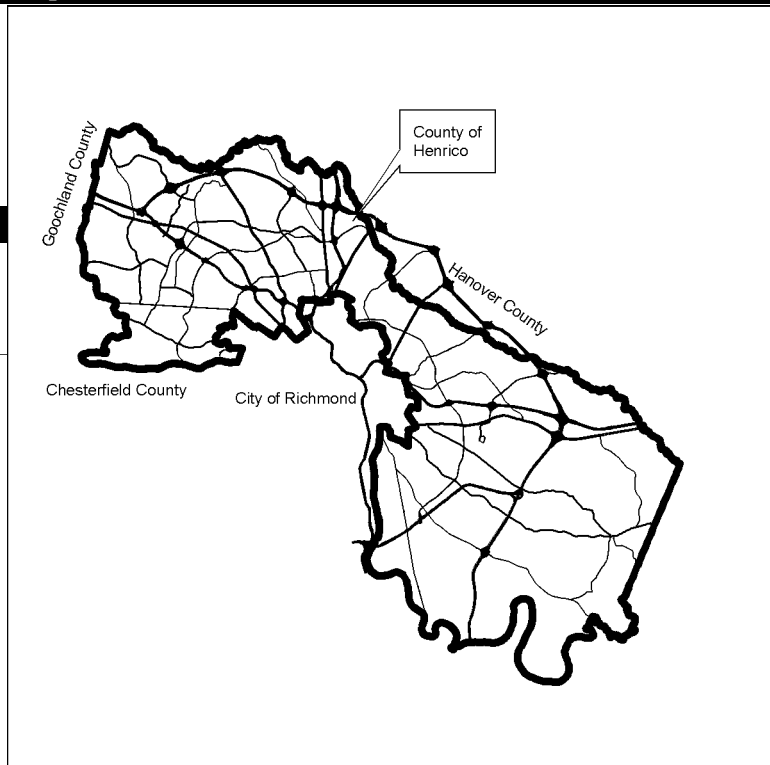
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	300,000	25,000	25,000	25,000	25,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	1,400,000	75,000	75,000	75,000	75,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$1,700,000	\$100,000	\$100,000	\$100,000	\$100,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	4
Prior Request Amount:	\$100,000

Recommended FY2011 funding:
\$1,700,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00737	Project Name: Sewer Reloc., Adjustments & Crossings
Department: Public Utilities-Sewer	Department Priority: 5
Project Type: Sewer	Fiscal Year: 2011
District: Countywide	Revenue Source: Enterprise Funds

Description and Scope

Adjust existing sewer lines and extend new sewer lines necessary for coordination with road and drainage projects. Design and construct sewer relocations, adjustments and crossings that are part of County and State road projects and County drainage projects.

Purpose and Need

Road projects by DPW and VDOT require that existing sewer mains be adjusted or relocated to coordinate with project requirements. Sewer mains are extended with construction of new roads in accordance with the utility master plan. Project requirements are determined using the overall master utility plan. Construction with the DPW road project will minimize future impacts on the roadway.

History and Current Status

Ongoing project. Funding remains at \$200,000 per year.

Location

Countywide

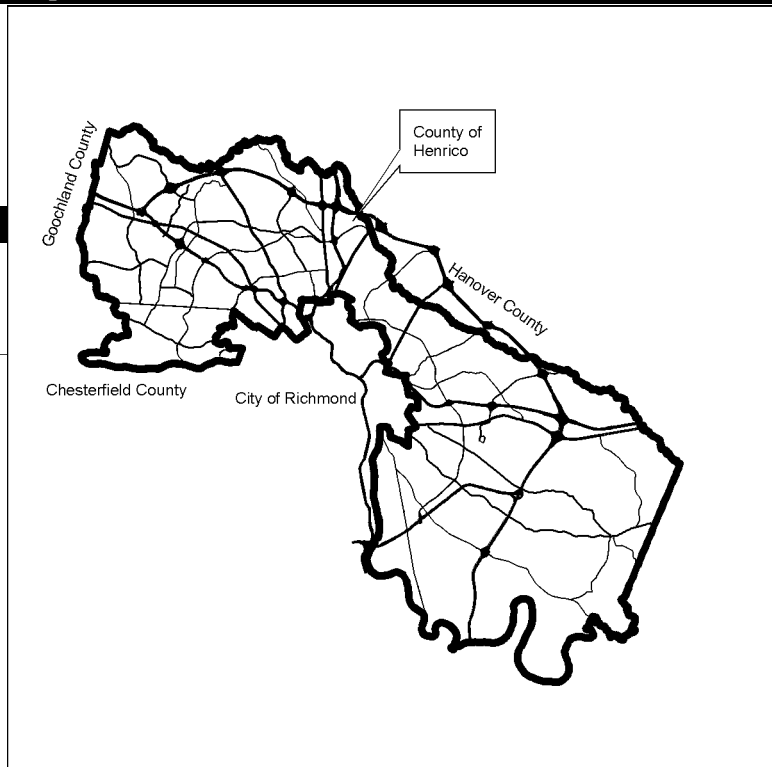
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	200,000	200,000	200,000	200,000	200,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	5
Prior Request Amount:	\$200,000

Recommended FY2011 funding:
\$200,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00725	Project Name: Plan Review and Inspection
Department: Public Utilities-Sewer	Department Priority: 6
Project Type: Sewer	Fiscal Year: 2011
District: Countywide	Revenue Source: Enterprise Funds

Description and Scope

This project provides funding for costs of engineering plan review and construction inspection by DPU staff for plan review and installation of water and sewer mains by private developers.

Purpose and Need

This project captures the amount of County cost associated with private development engineering and construction and assigns these values to the total costs of donated water and sewer assets.

History and Current Status

Ongoing project. Funding remains at \$2,100,000.

Location

Countywide

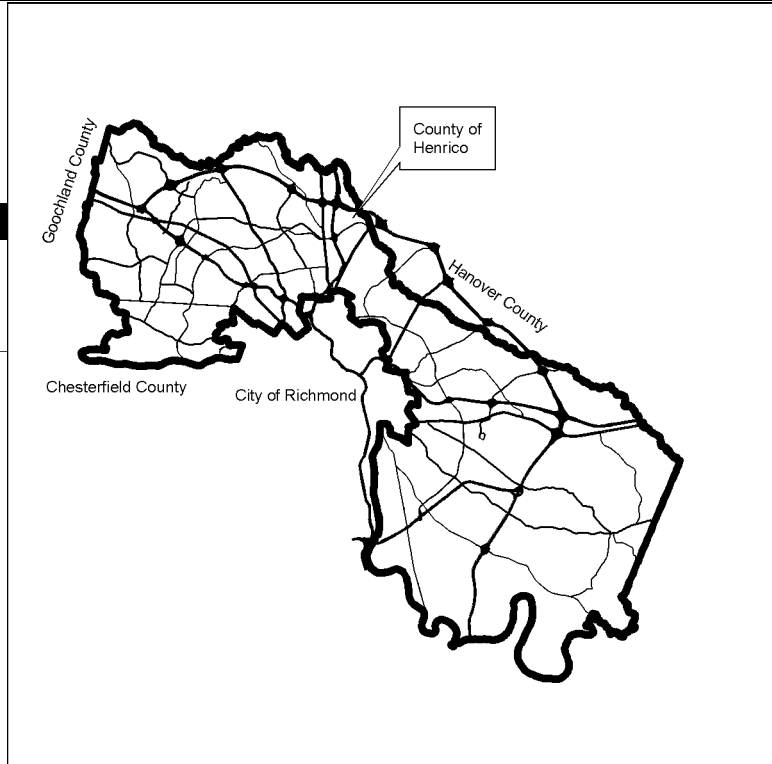
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$2,100,000	\$2,100,000	\$2,100,000	\$2,100,000	\$2,100,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	6
Prior Request Amount:	\$2,100,000

Recommended FY2011 funding:
\$2,100,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06492	Project Name: Roof Replacement
Department: Public Utilities-Sewer	Department Priority: 7
Project Type: Sewer	Fiscal Year: 2011
District: Countywide	Revenue Source: Enterprise Funds

Description and Scope

To allow for scheduled replacement of roofs for water and sewer facilities.

Purpose and Need

Roof replacement required at various facilities due to age of roof.

History and Current Status

Ongoing project. Funding remains at \$50,000.

Location

Countywide

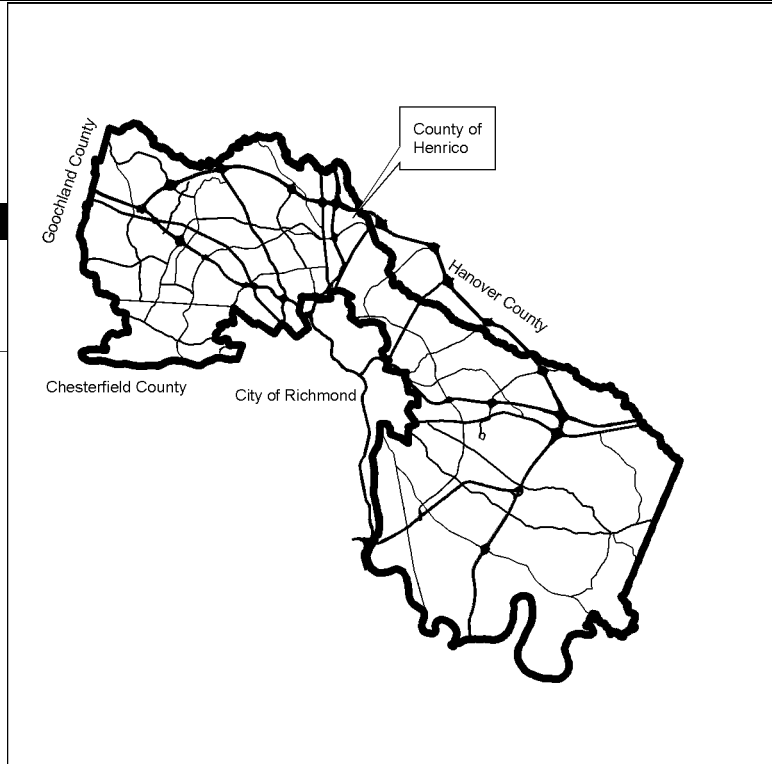
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	50,000	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	50,000	50,000	50,000	50,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	14
Prior Request Amount:	\$50,000

Recommended FY2011 funding:
\$50,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00813	Project Name: Emergency Power Project - Sewer
Department: Public Utilities-Sewer	Department Priority: 8
Project Type: Sewer	Fiscal Year: 2011
District: F, V	Revenue Source: Enterprise Funds

Description and Scope

Design and construct emergency power generators at sewage pump stations that require additional emergency power backup.

Purpose and Need

Generators are added at sewer pumping stations that do not have emergency power generators. The remaining sewer pumping station that requires an emergency power generator as part of this project is Strawberry Hill. Generators are being added at Charles City Rd and Gambles Mill Sewer Pump Stations as part of other projects at those facilities.

History and Current Status

FY2009 - Design of generator at Strawberry Hill is currently underway from previous appropriations. Schedule submitted in prior year CIP:
 FY2010 - \$7,169,000. \$200,000 was funded for this project in FY2010.

Location

Strawberry Hill SPS, Charles City Road SPS, and Elko SPS

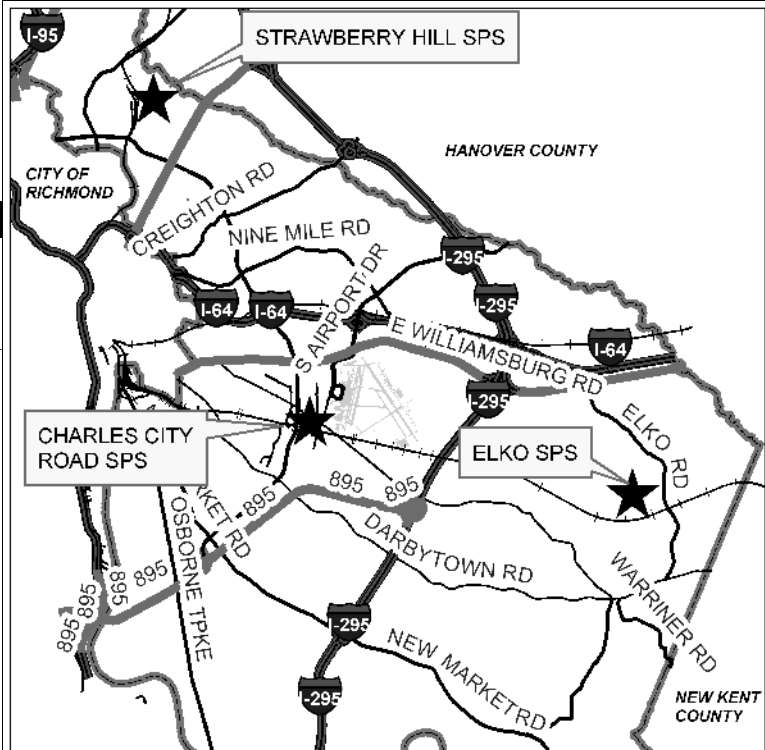
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	7,169,000	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$7,169,000	\$0	\$0	\$0	\$0

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	10
Prior Request Amount:	\$7,169,000

Recommended FY2011 funding:
 \$7,169,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00749	Project Name: Broadwater Area BWII Sewer Rehab
Department: Public Utilities-Sewer	Department Priority: 9
Project Type: Sewer	Fiscal Year: 2011
District: Varina	Revenue Source: Enterprise Funds

Description and Scope

Replace or rehabilitate 52,060' of sewer main, 45 sewer main point repairs, replace 1,050 sewer service connections, and repair or replace 638 manholes. Funding for additional area-wide rehabilitation (second phase of the project) is requested to begin in FY2014 with sanitary sewer evaluation, followed by design funding in FY2015.

Purpose and Need

Provide adequate capacity for peak wet weather flows to prevent sanitary sewer overflows. Need was determined by the Wet Weather Flow Program published in the Wet Weather Flow Reduction and Management Study 1995. Additional area-wide rehabilitation is requested to begin in FY2014, as recommended in Henrico Wet Weather Flow Reduction Plan Update prepared by Greeley & Hansen and dated May 2004.

History and Current Status

Schedule submitted in prior year CIP: FY2011 - \$9,170,000; FY2013 - \$459,326; FY2014 - \$574,158. Updated funding based on cost estimates in July 2008 Engineering News Record (ENR) Index.

Location

Various

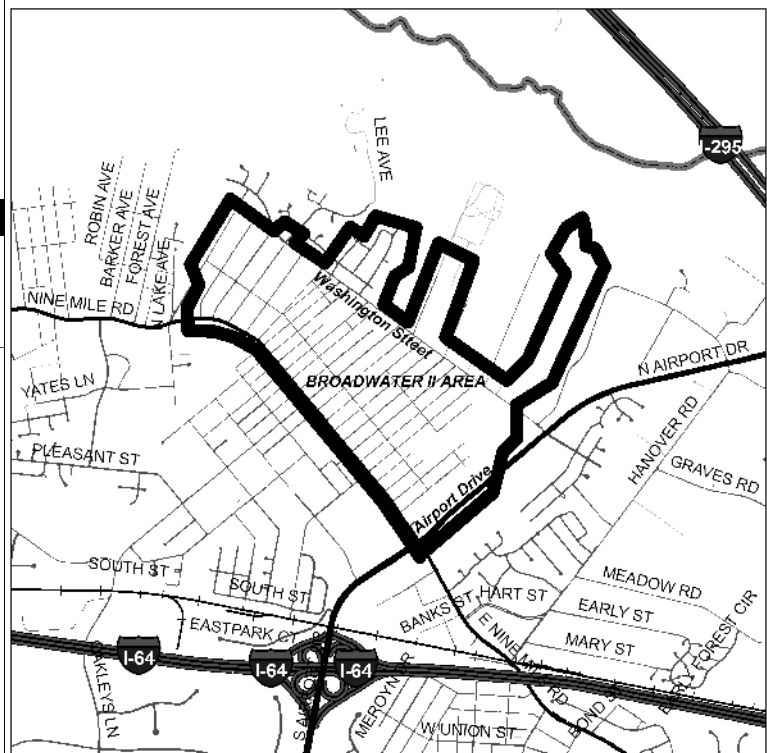
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	459,326	600,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	9,170,100	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$9,170,100	\$0	\$0	\$459,326	\$600,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 2
Prior Request Priority: 2
Prior Request Amount: \$9,170,000

Recommended FY2011 funding:
 \$9,170,100

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06447 **Project Name:** Route 33 To Lakeside Sewer Main
Department: Public Utilities-Sewer **Department Priority:** 10
Project Type: Sewer **Fiscal Year:** 2011
District: B, F **Revenue Source:** Enterprise Funds

Description and Scope

Design and construct approximately 15,600' of 48" sewer main.

Purpose and Need

Provide additional capacity for increasing growth demands and for wet weather flows. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2011 - \$2,070,000; FY2013 - \$8,155,800. Updated funding based on cost estimates in July 2008 Engineering News Record (ENR) Index.

Location

From Staples Mill Road at I-64 to east of Route 1 terminating at the abandoned Lakeside SPS on Brook Road.

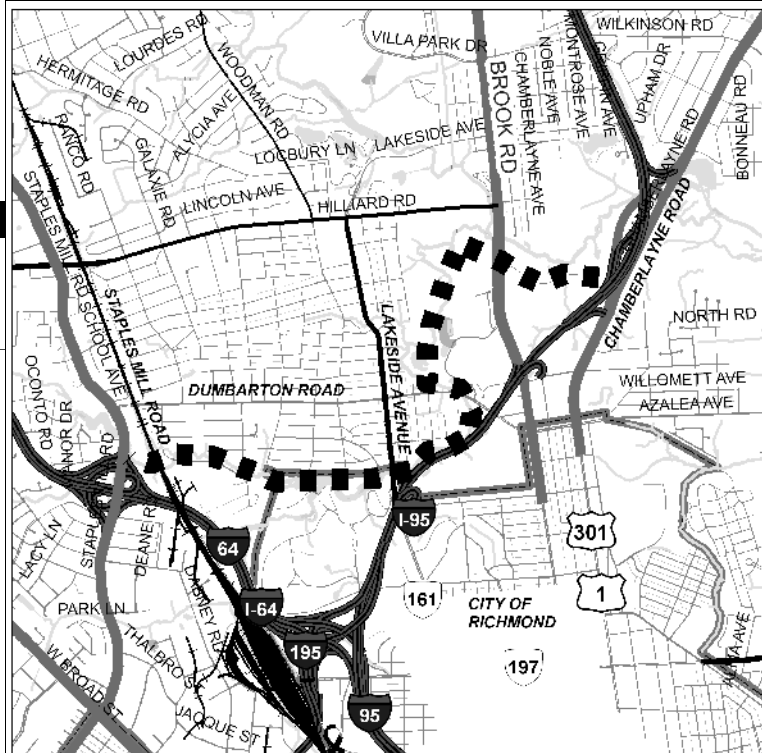
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	2,070,000	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	8,155,800	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$2,070,000	\$0	\$0	\$8,155,800	\$0

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 2
Prior Request Priority: 4
Prior Request Amount: \$2,070,000

Recommended FY2011 funding:
\$2,070,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 01076	Project Name: Strawberry Hill Basin Sewer Rehab
Department: Public Utilities-Sewer	Department Priority: 11
Project Type: Sewer	Fiscal Year: 2011
District: B, F, TC	Revenue Source: Enterprise Funds

Description and Scope

In the Strawberry Hill sewer service area, this project will rehabilitate or replace deteriorating sewer piping to reduce wet weather flows due to infiltration and inflow, prevent overflows, ensure adequate pipe capacity and improve the overall condition of the sewer system. Work will include sanitary sewer evaluation, design, and construction of system improvements. Work will be prioritized based on evaluations of operations maintenance records and ongoing evaluation programs.

Purpose and Need

This project is recommended by the Henrico Wet Weather Flow Reduction Plan Update prepared by Greeley and Hansen dated May 2004.

History and Current Status

Schedule submitted in prior year CIP: FY2010 - \$1,480,330; FY2011 - \$6,664,431; FY2012 - \$8,574,028; FY2013 - \$5,170,264; FY2014 - \$3,703,201. Updated funding based on cost estimates in July 2008 Engineering News Record (ENR) Index.

Location

Strawberry Hill Area

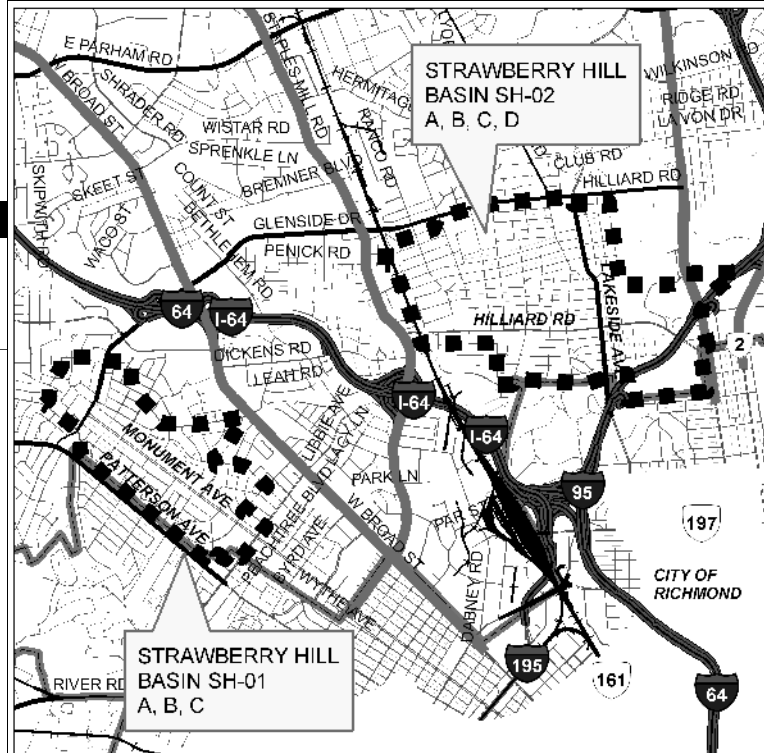
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	800,000	800,000	700,000	700,000	950,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	3,400,000	3,400,000	3,000,000	3,000,000	3,950,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$4,200,000	\$4,200,000	\$3,700,000	\$3,700,000	\$4,900,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	9
Prior Request Amount:	\$1,480,330

Recommended FY2011 funding:
\$4,200,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06162	Project Name: River Road SPS Improvements
Department: Public Utilities-Sewer	Department Priority: 12
Project Type: Sewer	Fiscal Year: 2011
District: Tuckahoe	Revenue Source: Enterprise Funds

Description and Scope

Design and construct improvements to the Sewer Pump Station inlet and wet well.

Purpose and Need

Required to increase facility capacity from 21 MGD to 25 MGD and to reduce sewer surcharging. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2010 - \$372,600; FY2011 - \$879,750. Planning and design funding of \$372,600 was funded in FY2010. Requested funding in FY2011 reflects construction costs and is based on updated construction cost estimates.

Location

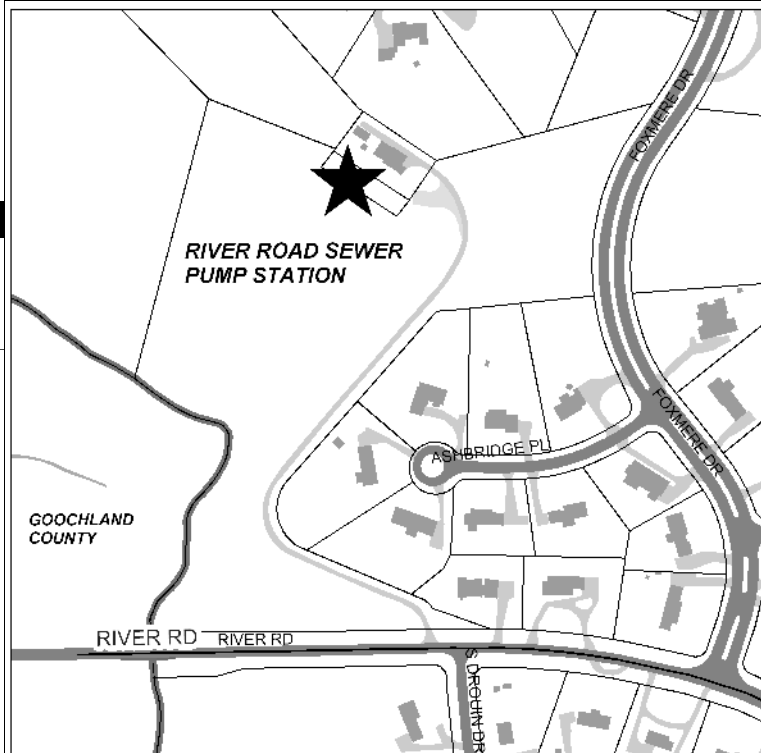
10010 River Road

Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	879,750	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$879,750	\$0	\$0	\$0	\$0

Estimated Operating Costs

	Map
FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0



Notes

Prior Request Year:	Year 1
Prior Request Priority:	12
Prior Request Amount:	\$372,600

Recommended FY2011 funding:
\$879,750

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06135 **Project Name:** River Road Basin Sewer Rehabilitation
Department: Public Utilities-Sewer **Department Priority:** 13
Project Type: Sewer **Fiscal Year:** 2011
District: Tuckahoe **Revenue Source:** Enterprise Funds

Description and Scope

Rehabilitate or replace deteriorating sewer piping to reduce wet weather flows due to infiltration and inflow, prevent overflows, ensure adequate pipe capacity and improve the overall condition of the sewer system. Work will include sanitary sewer evaluation, design and construction of system improvements. Work will be prioritized based on evaluations of operations maintenance records and ongoing evaluation programs.

Purpose and Need

This project is recommended by the Henrico Wet Weather Flow Reduction Plan Update prepared by Greeley and Hansen and dated May 2004.

History and Current Status

Schedule submitted in prior year CIP: FY2011 - \$203,172; FY2012 - \$253,965; FY2013 - \$1,950,450. Updated funding based on cost estimates in July 2008 Engineering News Record (ENR) Index.

Location

River Road Area

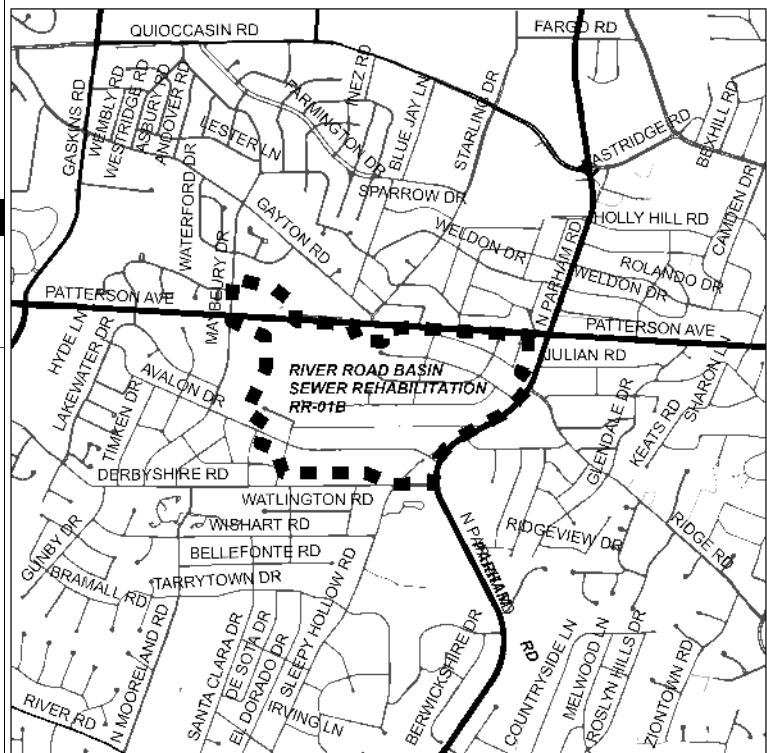
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	203,172	253,965	0	0	700,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	1,950,450	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$203,172	\$253,965	\$1,950,450	\$0	\$700,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 2
Prior Request Priority:	3
Prior Request Amount:	\$203,172

Recommended FY2011 funding:

\$203,172

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06443	Project Name: Gambles Mill Sewer FM Vent Facility
Department: Public Utilities-Sewer	Department Priority: 1
Project Type: Sewer	Fiscal Year: 2012
District: Three Chopt	Revenue Source: Enterprise Funds

Description and Scope

Design and construct a force main vent facility.

Purpose and Need

Provides for treatment of hydrogen sulfide gas to prevent corrosion of downstream sewer pipes and to prevent odors. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2010 - \$6,500,000. The funding request In FY2012 reflects construction costs.

Location

Intersection of Paxton Street and Maple Avenue.

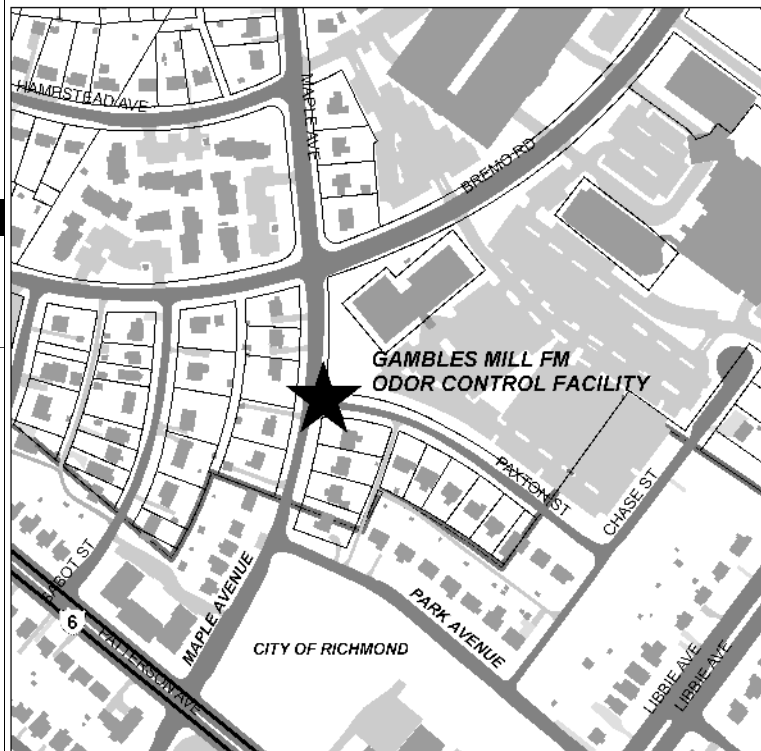
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	5,500,000	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$5,500,000	\$0	\$0	\$0

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 1
Prior Request Priority: 13
Prior Request Amount: \$6,500,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00747	Project Name: Lakeside to Strawberry Hill SPS FEP
Department: Public Utilities-Sewer	Department Priority: 2
Project Type: Sewer	Fiscal Year: 2012
District: Fairfield	Revenue Source: Enterprise Funds

Description and Scope

Design and construct a Flow Equalization Pipeline of 16,400 LF of 96" sewer main from Route 301 to Strawberry Hill SPS.

Purpose and Need

Recommended by 1997 Wet Weather Flow Equalization Study. Consulting engineer modeled hydraulic conditions in the sewer system to predict where future overflows would occur while accomodating system growth. This line is needed to ensure capacity of the pipeline and prevent sanitary sewer overflows.

History and Current Status

Schedule submitted in prior year CIP: FY2012 - \$25,739,000. Funding request unchanged based on current project cost estimates.

Location

Route 301 to Vawter Ave.

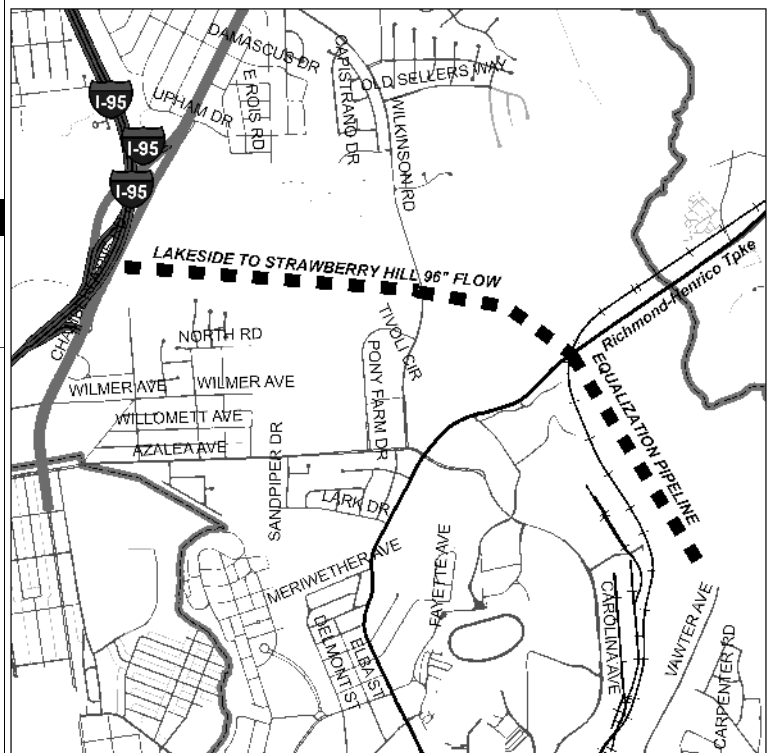
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	25,739,000	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$25,739,000	\$0	\$0	\$0

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 3
Prior Request Priority: 1
Prior Request Amount: \$25,739,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06152	Project Name: Gambles Mill SPS FEB Modification
Department: Public Utilities-Sewer	Department Priority: 1
Project Type: Sewer	Fiscal Year: 2013
District: Tuckahoe	Revenue Source: Enterprise Funds

Description and Scope

Modify existing overflow basin as required to provide flow equalization capability and add emergency generator(s). The modified facility will provide covered storage, maintain the existing 3 MG flow equalization capacity and provide emergency power for the facility.

Purpose and Need

As use of the equalization basins increase, the existing basin will be modified as necessary to provide covered storage and allow control of odors. The project is a part of an overall sewer rehab program that was defined by the Sewer Facilities Plan, dated June 1997. The generator(s) is being added to provide redundancy for emergency operation if the existing primary and secondary power feeds from VA Power are lost.

History and Current Status

Schedule submitted in prior year CIP: FY2013 - \$4,140,000. Funding based on project cost estimates for July 2008 ENR Index.

Location

6113 Cary Street

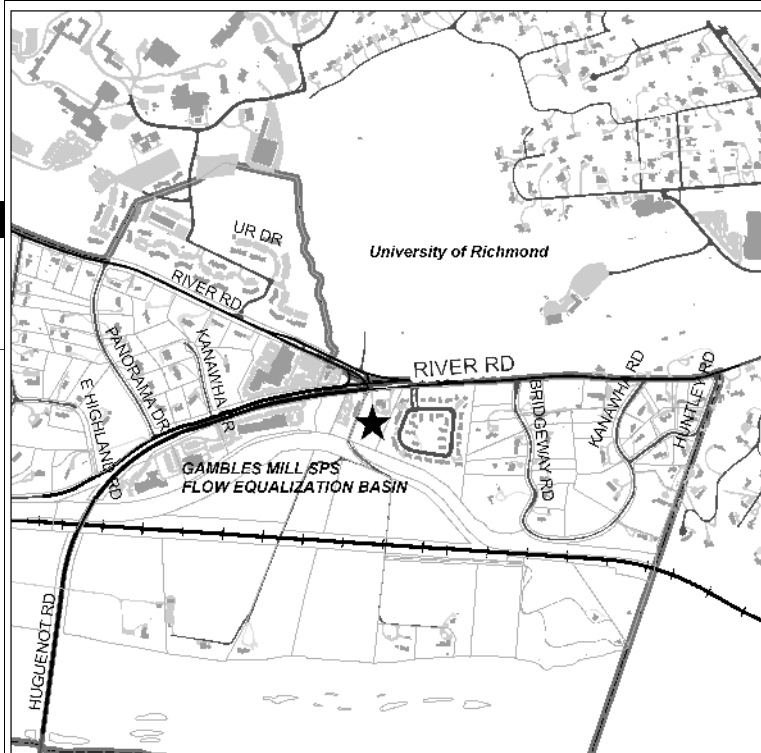
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	4,140,000	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	15,525,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$4,140,000	\$0	\$15,525,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 4
Prior Request Priority:	1
Prior Request Amount:	\$4,140,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 00735	Project Name: Water Reclamation Facility Improvement
Department: Public Utilities-Sewer	Department Priority: 2
Project Type: Sewer	Fiscal Year: 2013
District: Varina	Revenue Source: Enterprise Funds

Description and Scope

Design upgrade of treatment processes at the Water Reclamation Facility from 75 MGD to 90 MGD.

Purpose and Need

This project will provide additional treatment capacity as needed to meet sewer flow projections based on the 2007 Facilities Plan prepared by Greeley & Hansen.

History and Current Status

Schedule submitted in prior year CIP: FY2010 - \$275,000; FY2013 - \$3,105,000. Design is in FY2013 and construction is in FY2015.

Location

WRVA Rd.

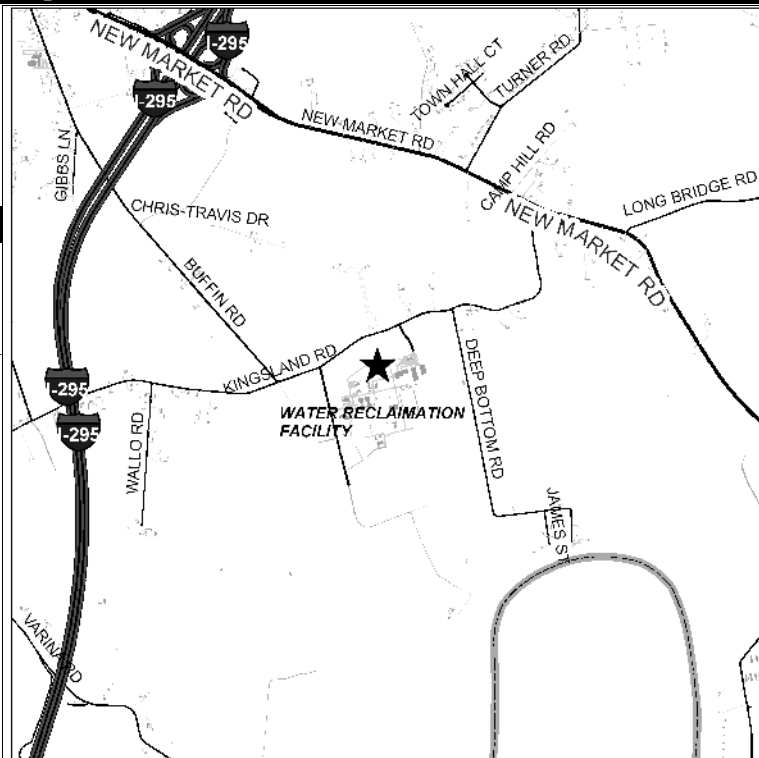
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	3,105,000	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	10,401,750
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$3,105,000	\$0	\$10,401,750

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 1
Prior Request Priority:	8
Prior Request Amount:	\$275,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06445	Project Name: Strawberry Hill SPS Capacity Improv.
Department: Public Utilities-Sewer	Department Priority: 3
Project Type: Sewer	Fiscal Year: 2013
District: Fairfield	Revenue Source: Enterprise Funds

Description and Scope

Design and construct additional capacity for Strawberry Hill Sewer Pump Station.

Purpose and Need

Provide increased capacity from 83 mgd to 90 mgd due to increasing growth demands and for wet weather flows. Three existing 900 HP constant speed pumps (20 mgd capacity) will be replaced with 1500 HP (25 mgd capacity) variable speed pumping units. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2013 - \$1,552,500. Funding based on construction cost estimate for July 2008 ENR Index.

Location

4800 Vawter Avenue.

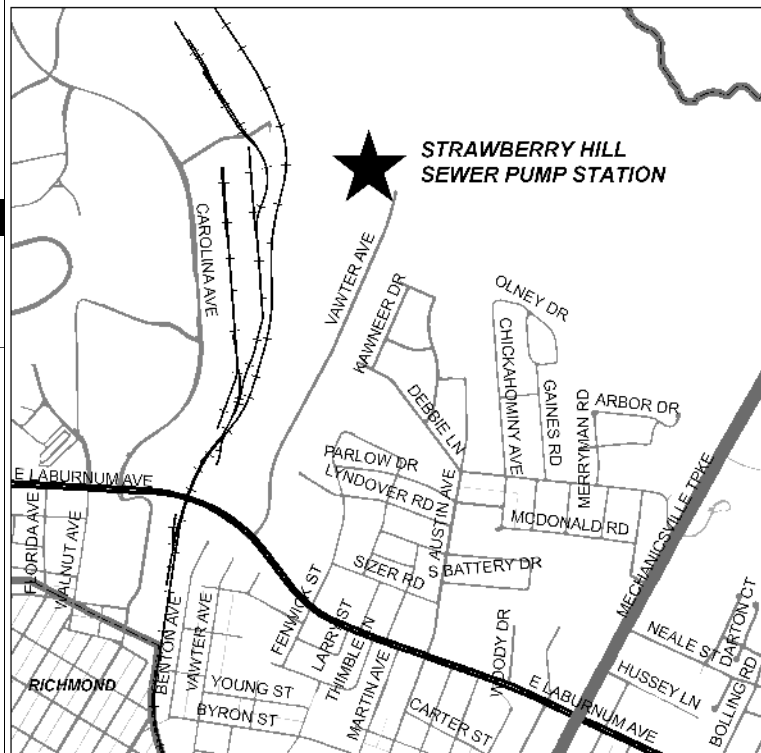
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	1,552,500	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	5,458,590
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$1,552,500	\$0	\$5,458,590

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 4
Prior Request Priority: 2
Prior Request Amount: \$1,552,500

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06459	Project Name: Broadwater Creek I SPS & FEB
Department: Public Utilities-Sewer	Department Priority: 4
Project Type: Sewer	Fiscal Year: 2013
District: Varina	Revenue Source: Enterprise Funds

Description and Scope

Design and construct additional pumping capacity for the Broadwater Creek I Sewer Pump Station and additional storage for the flow equalization basin.

Purpose and Need

Required to provide additional pumping capacity and flow equalization storage for wet weather flows. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2013 - \$1,035,000. Funding based on construction cost estimates for July 2008 Engineering News Record (ENR) Index.

Location

1601 Graves Road

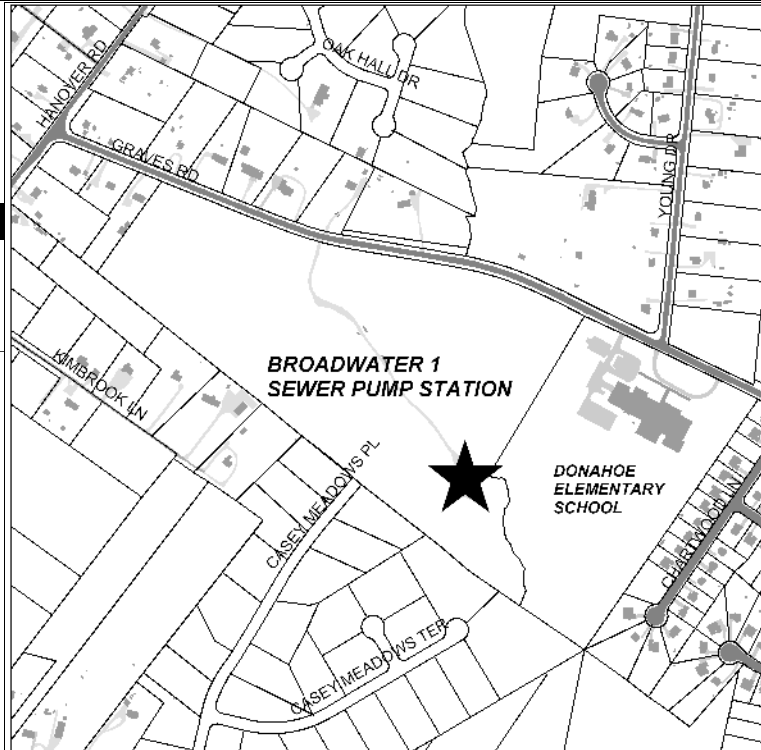
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	1,035,000	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$1,035,000	\$0	\$0

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 4
Prior Request Priority: 5
Prior Request Amount: \$1,035,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06446 **Project Name:** Strawberry Hill FM Creighton Rd Vent F
Department: Public Utilities-Sewer **Department Priority:** 5
Project Type: Sewer **Fiscal Year:** 2013
District: Fairfield **Revenue Source:** Enterprise Funds

Description and Scope

Design and construct a surge control and odor control facility at Creighton Road for the Strawberry Hill SPS force main.

Purpose and Need

The vent facility is required to provide vent for surge control during operation of the force main. It allows for increased force main capacity due to increasing growth and for treatment of hydrogen sulfide gas to prevent odor. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2013 - \$698,625. Funding based on construction cost estimates for July 2008 ENR Index.

Location

Creighton Road east of Carolee Drive.

Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	698,625	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$698,625	\$0	\$0

Estimated Operating Costs

	Map
FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 4
Prior Request Priority: 3
Prior Request Amount: \$698,625

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06448	Project Name: Broadwater Creek II SPS Improvements
Department: Public Utilities-Sewer	Department Priority: 6
Project Type: Sewer	Fiscal Year: 2013
District: Varina	Revenue Source: Enterprise Funds

Description and Scope

Design and construct additional pumping capacity for Broadwater Creek II Sewer Pump Station.

Purpose and Need

Provide additional pumping capacity to handle increasing growth demands and for wet weather flows. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2013 - \$465,750; FY2014 - \$1,788,480. Funding based on construction cost estimates for July 2008 ENR Index.

Location

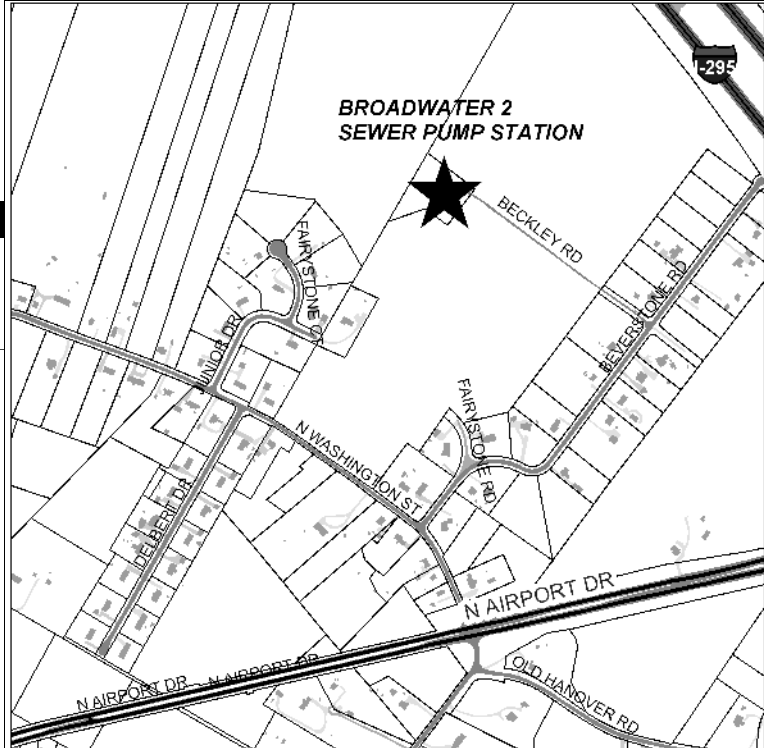
1801 Beckley Road.

Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	465,750	0	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	1,788,480	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$465,750	\$1,788,480	\$0

Estimated Operating Costs

	Map
FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0



Notes

Prior Request Year:	Year 4
Prior Request Priority:	4
Prior Request Amount:	\$465,750

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06139	Project Name: Gillies Creek Basin Sewer Rehabilitation
Department: Public Utilities-Sewer	Department Priority: 7
Project Type: Sewer	Fiscal Year: 2013
District: F, V	Revenue Source: Enterprise Funds

Description and Scope

Rehabilitate or replace deteriorating sewer piping to reduce wet weather flows due to infiltration and inflow, prevent overflows, ensure adequate pipe capacity and improve the overall condition of the sewer system. Work will include sanitary sewer evaluation, design and construction of system improvements. Work will be prioritized based on evaluations of operations maintenance records and ongoing evaluation programs.

Purpose and Need

This project is recommended by the Henrico Wet Weather Flow Reduction Plan Update prepared by Greeley and Hansen and dated May 2004.

History and Current Status

Schedule submitted in prior year CIP: FY2012 - \$406,344; FY2013 - \$507,930; FY2014 - \$4,224,924. Funding based on construction cost estimates for July 2008 Engineering News Record (ENR) Index.

Location

Gillies Creek Area

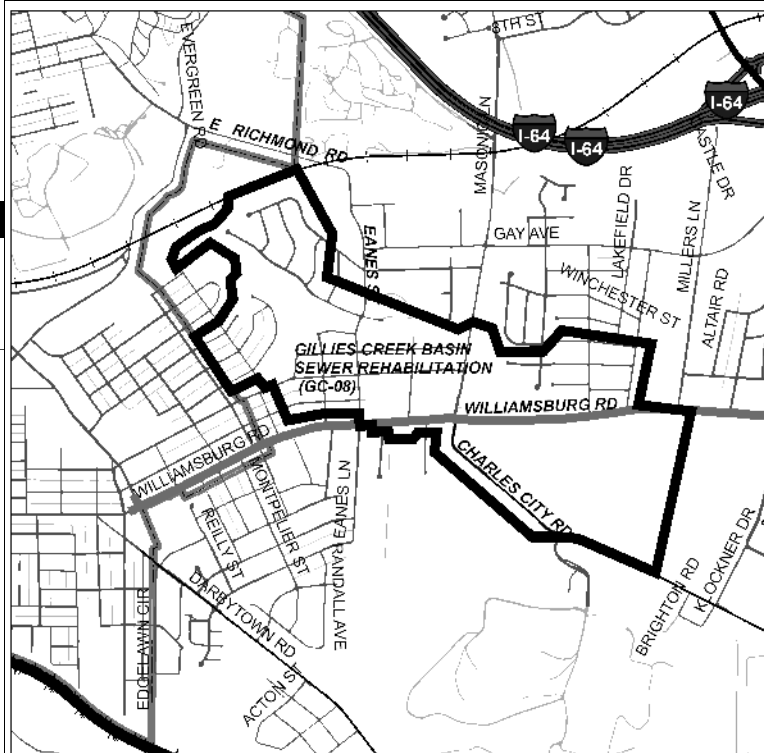
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	406,344	507,930	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	4,300,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$406,344	\$507,930	\$4,300,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 3
Prior Request Priority:	3
Prior Request Amount:	\$406,344

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06444	Project Name: Hungary Road Vent Facility
Department: Public Utilities-Sewer	Department Priority: 1
Project Type: Sewer	Fiscal Year: 2014
District: Brookland	Revenue Source: Enterprise Funds

Description and Scope

Design and construct a force main vent facility.

Purpose and Need

Provides for treatment of hydrogen sulfide gas to prevent corrosion of downstream sewer pipe and to prevent odors. Recommended by the Greeley & Hansen Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior CIP: FY2011 - \$1,000,000; FY2012 - \$3,000,000.

Location

Vicinity of Archduke Road and Becton Road.

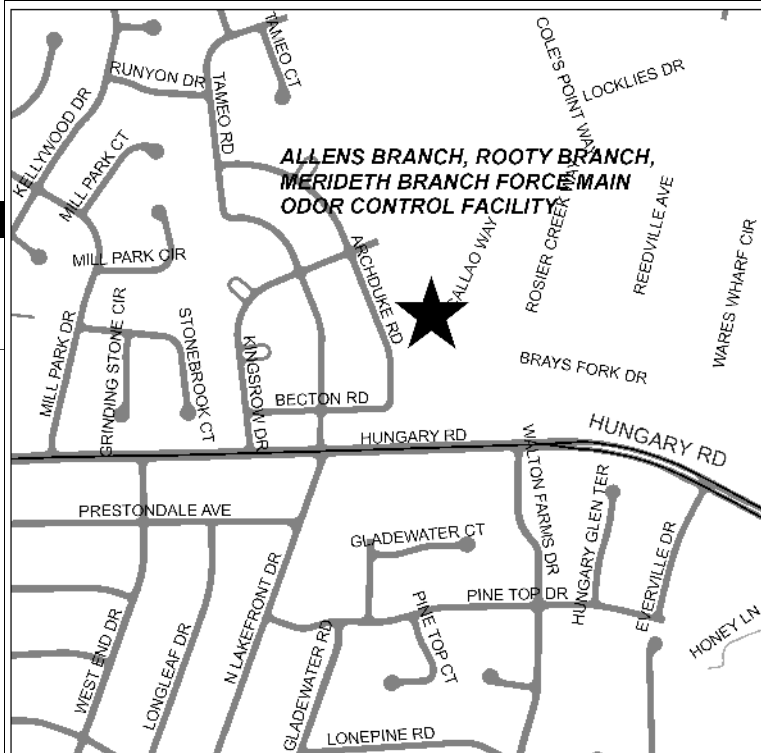
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	1,000,000	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	3,000,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$0	\$1,000,000	\$3,000,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 2
Prior Request Priority: 1
Prior Request Amount: \$1,000,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06450	Project Name: White Oak SPS FM
Department: Public Utilities-Sewer	Department Priority: 2
Project Type: Sewer	Fiscal Year: 2014
District: Varina	Revenue Source: Enterprise Funds

Description and Scope

Design and construct 7,800 LF of 36" FM from the existing White Oak SPS at Beulah Road to Portugee Road.

Purpose and Need

Provide additional capacity for increasing growth demands and for wet weather flows. Recommended by Greeley & Hansen in the Water & Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2014 - \$1,345,500.

Location

5645 Beulah Road

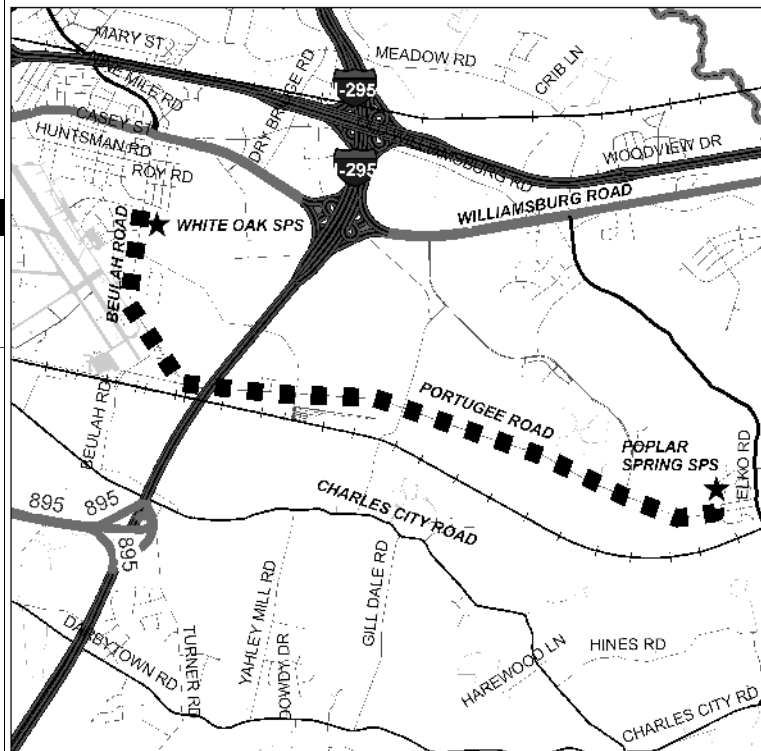
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	1,345,500	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	4,171,050
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$0	\$1,345,500	\$4,171,050

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 5
Prior Request Priority: 3
Prior Request Amount: \$1,345,500

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06514	Project Name: White Oak Trunk Sewer
Department: Public Utilities-Sewer	Department Priority: 4
Project Type: Sewer	Fiscal Year: 2014
District: Varina	Revenue Source: Enterprise Funds

Description and Scope

Design and construct 4,300 LF of 36" gravity sewer.

Purpose and Need

Provide additional capacity for increasing growth demands and for wet weather flows. Recommended by Greeley & Hansen in the Water and Sewer Facility Plan - July 2007.

History and Current Status

Schedule submitted in prior year CIP: FY2014 - \$621,000. Funding based on project cost estimates for July 2008 ENR Index.

Location

White Oak Trunk Sewer - Varina

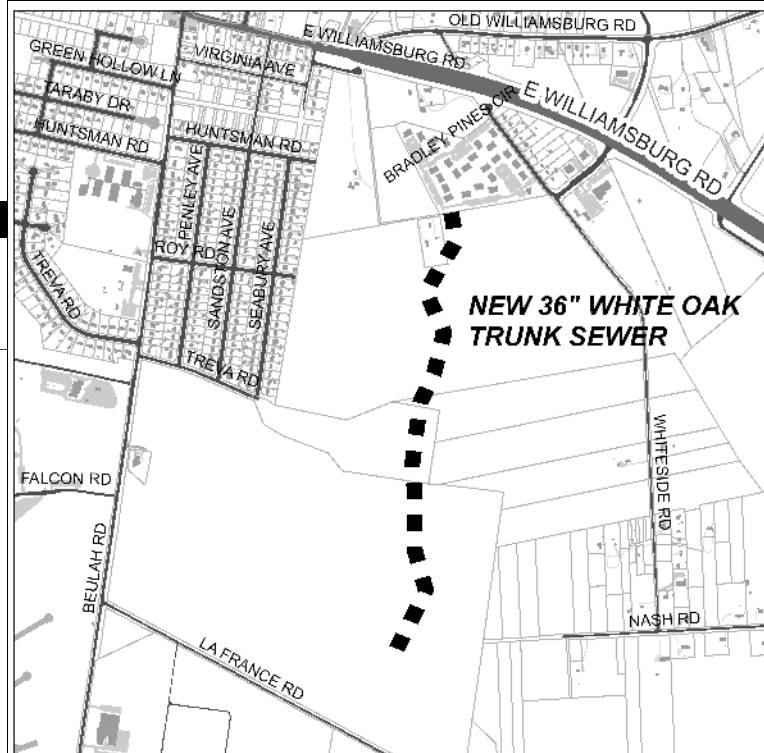
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	621,000	0
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	1,449,000
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$0	\$621,000	\$1,449,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	Year 5
Prior Request Priority:	1
Prior Request Amount:	\$621,000

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06131	Project Name: Gambles Mill Basin Sewer Rehabilitation
Department: Public Utilities-Sewer	Department Priority: 5
Project Type: Sewer	Fiscal Year: 2014
District: TC, T	Revenue Source: Enterprise Funds

Description and Scope

Rehabilitate or replace deteriorating sewer piping to reduce wet weather flows due to infiltration and inflow, prevent overflows, ensure adequate pipe capacity and improve the overall condition of the sewer system. Work will include sanitary sewer evaluation, design and construction of system improvements. Work will be prioritized based on evaluations of operations maintenance records and ongoing evaluation programs.

Purpose and Need

This project is recommended by the Henrico Wet Weather Flow Reduction Plan Update prepared by Greeley and Hansen and dated May 2004.

History and Current Status

Schedule submitted in prior year CIP: FY2012 - \$449,255; FY2013 - \$561,569; FY2014 - \$4,312,848. Funding based on construction cost estimates for July 2008 Engineering News Record (ENR) Index. Project implementation to begin in FY2014.

Location

Gambles Mill Area

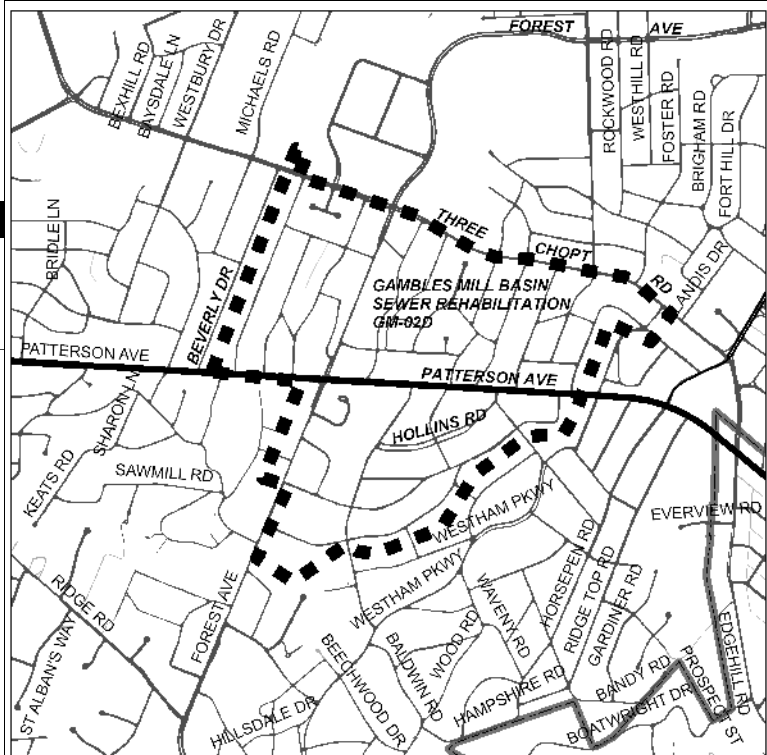
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	449,255	600,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$0	\$449,255	\$600,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year: Year 5
Prior Request Priority: 2
Prior Request Amount: \$449,255

Capital Improvement Program

FY2010/11 - FY2014/15 - Fund -51 -Enterprise Fund - W&S

Project No: 06569	Project Name: Lakeside Storage Facilities
Department: Public Utilities-Sewer	Department Priority: 1
Project Type: Sewer	Fiscal Year: 2015
District: Fairfield	Revenue Source: Enterprise Funds

Description and Scope

Design and construct flow equalization basins on the existing Lakeside SPS site. The flow equalization basins will provide 18 MG storage to handle wet weather flows.

Purpose and Need

Flow equalization basin required to handle wet weather flows based on projections from Greeley & Hansen 2007 Facilities Plan.

History and Current Status

This is a new project.

Location

Brook Road

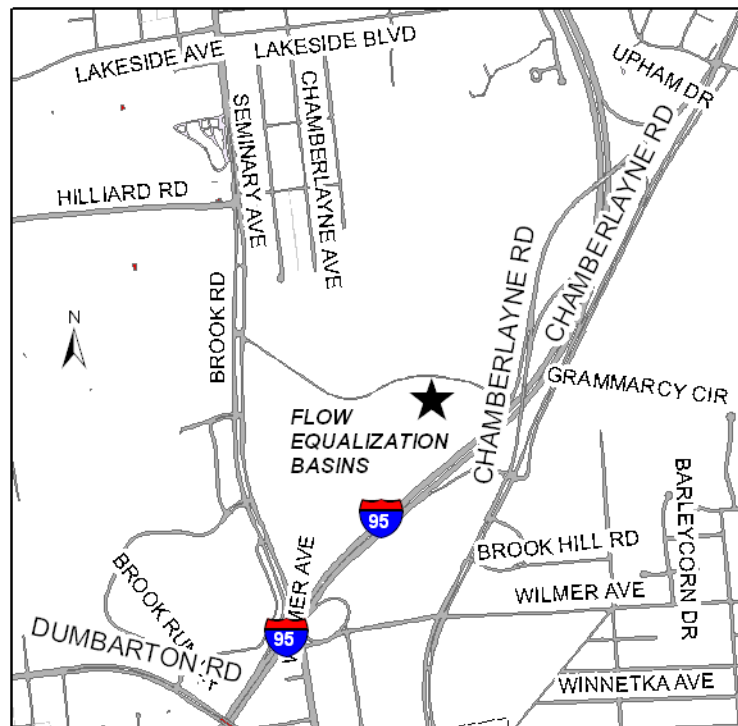
Capital Expenditures

	FY2011	FY2012	FY2013	FY2014	FY2015
Planning and Design	0	0	0	0	9,315,000
Land	0	0	0	0	0
Site Improvements	0	0	0	0	0
Construction	0	0	0	0	0
Direct Equipment	0	0	0	0	0
Direct Material	0	0	0	0	0
Other project Costs	0	0	0	0	0
Furniture and Fixtures	0	0	0	0	0
Total Request	\$0	\$0	\$0	\$0	\$9,315,000

Estimated Operating Costs

FY2011	\$0
FY2012	\$0
FY2013	\$0
FY2014	\$0
FY2015	\$0

Map



Notes

Prior Request Year:	New
Prior Request Priority:	1
Prior Request Amount:	\$0