



**Fiscal Year 2004**



## Stormwater Utility

### *Project Report*

#### North Royal Pines Subdivision - Phase II

**Project Number:** 2004-91

**Start Month/Year:** May 2003

**Completion Month/Year:** September 2003

**Project Cost:** \$125,598

**Tax District:** 200 – Lady's Island

**Council District:** 7

**Drainage/Water Quality Issue:** North Royal Pines' drainage system was undersized and not draining, which created stagnant water throughout the drainage system.

**Resolution:** This project cleared 740 feet of maintenance access, installed five catch basins, and installed 740 feet of outfall pipe. The Utility also reinstalled grass across fairway and applied grass for stabilization.

**Area Benefited:** This project alleviated the stagnant water in a portion of the drainage system, provided drainage for Wade Hampton Drive, and provided drainage for portions of Hickory Road, Red Tip Road, White Dogwood Road, Pickens Street, Winthrop Street, Sam's Point Road, and surrounding properties.

**Before**



**During**



**After**





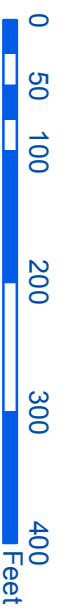
Installed 30 feet of outfall pipe and one catch basin.

Cleared 200 feet of maintenance access.

Cleared 280 feet of maintenance access.

Installed 710 feet of outfall pipe and four catch basins.

Cleared 260 feet of maintenance access.



1 inch = 147 feet



Legend	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	DW
	Access
	Piped
	Bleeder
	Parcels

**Project:**  
North Royal Pines  
Subdivision - Phase II

**Activity:**  
Drainage  
Improvement

**Project #:**  
2004-91

**Township:**  
Lady's Island

**Completed:**  
September 2003

Date Print: 10/03





## Stormwater Utility

### *Project Report*

Community Bible

**Project Number:** 2002-15

**Start Month/Year:** September 2003

**Completion Month/Year:** October 2003

**Project Cost:** \$77,866

**Tax District:** 100 - Port Royal Island

**Council District:** 6

**Drainage/Water Quality Issue:** There was stagnant water in the Bonaire Circle South outfall ditch, flooding of Jay Street and adjacent properties, and overflowing of the retention pond.

**Resolution:** This project constructed 500 feet of outfall ditch and reconstructed and cleaned out an additional 150 feet of outfall ditch. The Utility also installed 820 feet of outfall pipe, four catch basins, and installed stones along with applying grass for stabilization.

**Area Benefited:** This project alleviated flooding and stagnant water along with providing drainage for portions of Jay Street, Bonaire Circle South, and surrounding properties.

**Before**



**During**



**After**





**Project:**  
Community Bible

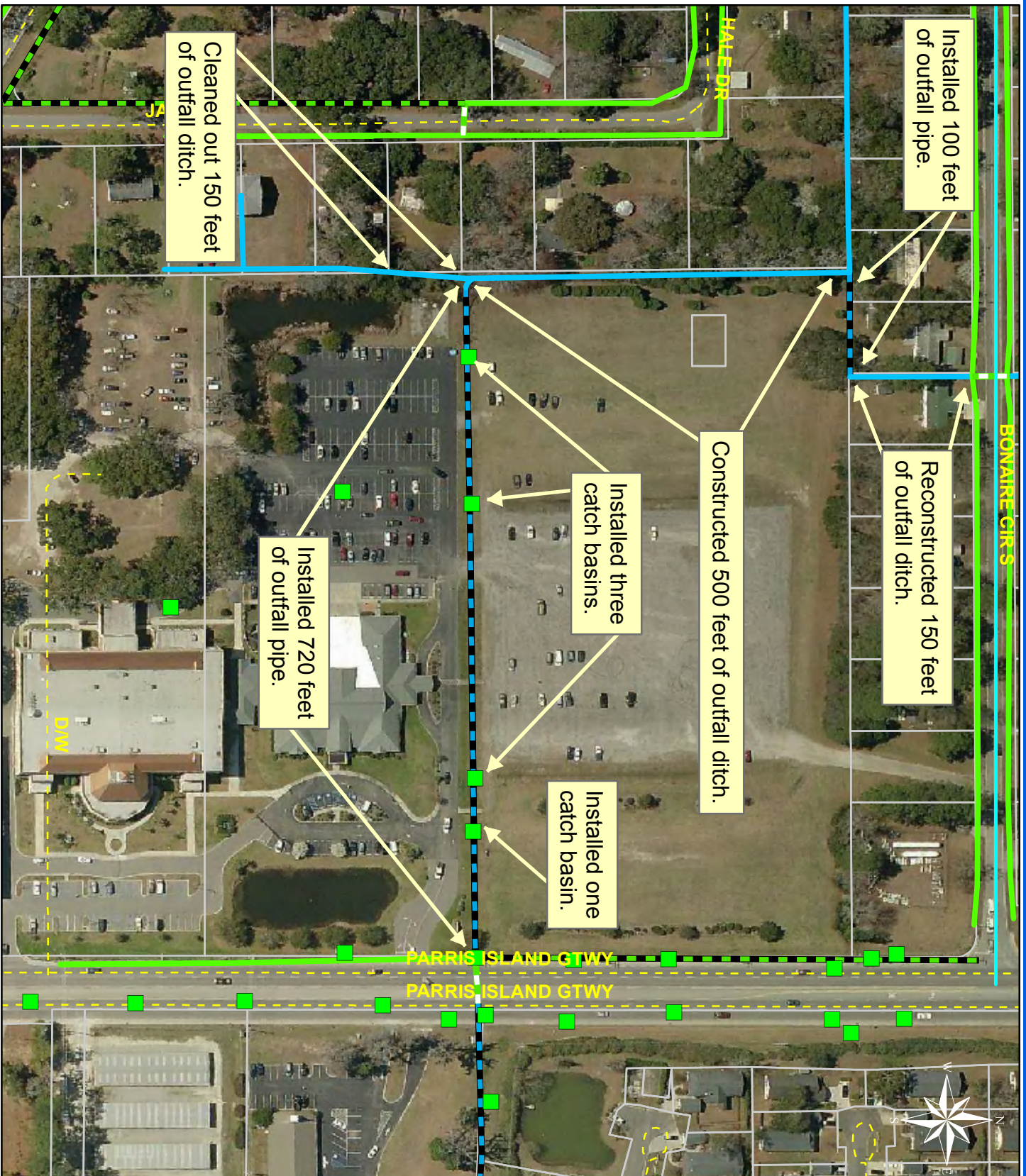
**Activity:**  
Drainage  
Improvement

**Project #:**  
2002-15

**Township:**  
Port Royal Island

**Completed:**  
October 2003

Legend	
Drainage Type	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	D/W
	Access
	Piped
	Bleeder
	Parcels







## Stormwater Utility

### *Project Report*

Ashley Drive/Woodbine Avenue

**Project Number:** 2005-22

**Start Month/Year:** November 2003

**Completion Month/Year:** November 2003

**Project Cost:** \$24,838

**Tax District:** 200 – Lady's Island

**Council District:** 7

**Drainage/Water Quality Issue:** There was erosion at the end of the outfall pipe, and sinkholes and washouts throughout the drainage system.

**Resolution:** This project extended ten feet of outfall pipe and reinstalled the headwall with a rock base for stabilization. The Utility repaired a washout, a sinkhole, installed grass and stones for stabilization.

**Area Benefited:** This project repaired the drainage system and re-established property area for the property owner.

**Before**



**During**



**After**





Installed stones and grass for stabilization.

Extended 10 feet of outfall pipe.

Repaired a washout and sinkhole.

Reinstall headwall.



**Project:**  
Ashley Drive/  
Woodbine Avenue

**Activity:**  
Drainage  
Maintenance

**Project #:**  
2005-22

**Township:**  
Lady's Island

**Completed:**  
November 2003

Legend	
Drainage Type	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	D/W
	Access
	Piped
	Bleeder
	Parcels





## Stormwater Utility

### *Project Report*

#### Allendale/Fairfax Phase II

**Project Number:** 2005-52

**Start Month/Year:** October 2003

**Completion Month/Year:** January 2004

**Project Cost:** \$49,284

**Tax District:** 600 – Bluffton

**Council District:** 4

**Drainage/Water Quality Issue:** There was standing water in the roadside ditches of Allendale Street, Shad Avenue, Luray Street, Fairfax Street, and portions of Alljoy Road and Thomas Lawton Drive. There was also flooding of some roads and surrounding properties.

**Resolution:** This project cleared the right of way, and installed 600 feet of outfall pipe, 220 feet of roadside pipe, six catch basins, and one crossline pipe. The Utility backfilled 200 feet of outfall ditch, installed stones and applied grass for stabilization.

**Area Benefited:** This project alleviated flooding, standing water, and provided drainage for portions of Allendale Street, Shad Avenue, Luray Street, Fairfax Street, Alljoy Road, Thomas Lawton Drive, and surrounding properties.

**Before**



**During**



**After**





**Project:**  
 Allendale Street/  
 Fairfax Street Phase II

**Activity:**  
 Drainage  
 Improvement

**Project #:**  
 2005-52

**Township:**  
 Bluffton

**Completed:**  
 January 2004



1 inch = 100 feet

Legend	
Drainage Type	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	D/W
	Access
	Piped
	Bleeder
	Parcels

Date Print: 2/04





## Stormwater Utility

### *Project Report*

#### Nathan Pope Road Outfall

**Project Number:** 2004-57

**Start Month/Year:** May 2003

**Completion Month/Year:** January 2004

**Project Cost:** \$32,099

**Tax District:** 300 - St. Helena Island

**Council District:** 5

**Drainage/Water Quality Issue:** There was standing water and stagnant water in the outfall ditch and flooding of adjacent properties.

**Resolution:** This project cleared 3,610 feet of maintenance access, cleaned out and cleared 1,050 feet of outfall ditch, and constructed 1,050 feet of maintenance access. The Utility also installed one crossline pipe, two property drain pipes, one pond overflow pipe, and three access pipes. Additionally, the Utility installed stones and applied grass for stabilization.

**Area Benefited:** This project alleviated standing water, flooding, and provided drainage for portions of Seaside Road, Nathan Pope Road, and surrounding properties.

**Before**



**During**



**After**





Cleared 3,610 feet of maintenance access.

Installed two property drain pipes.

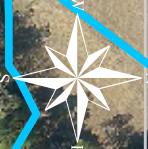
Installed one crossline pipe.

Installed one access pipe.

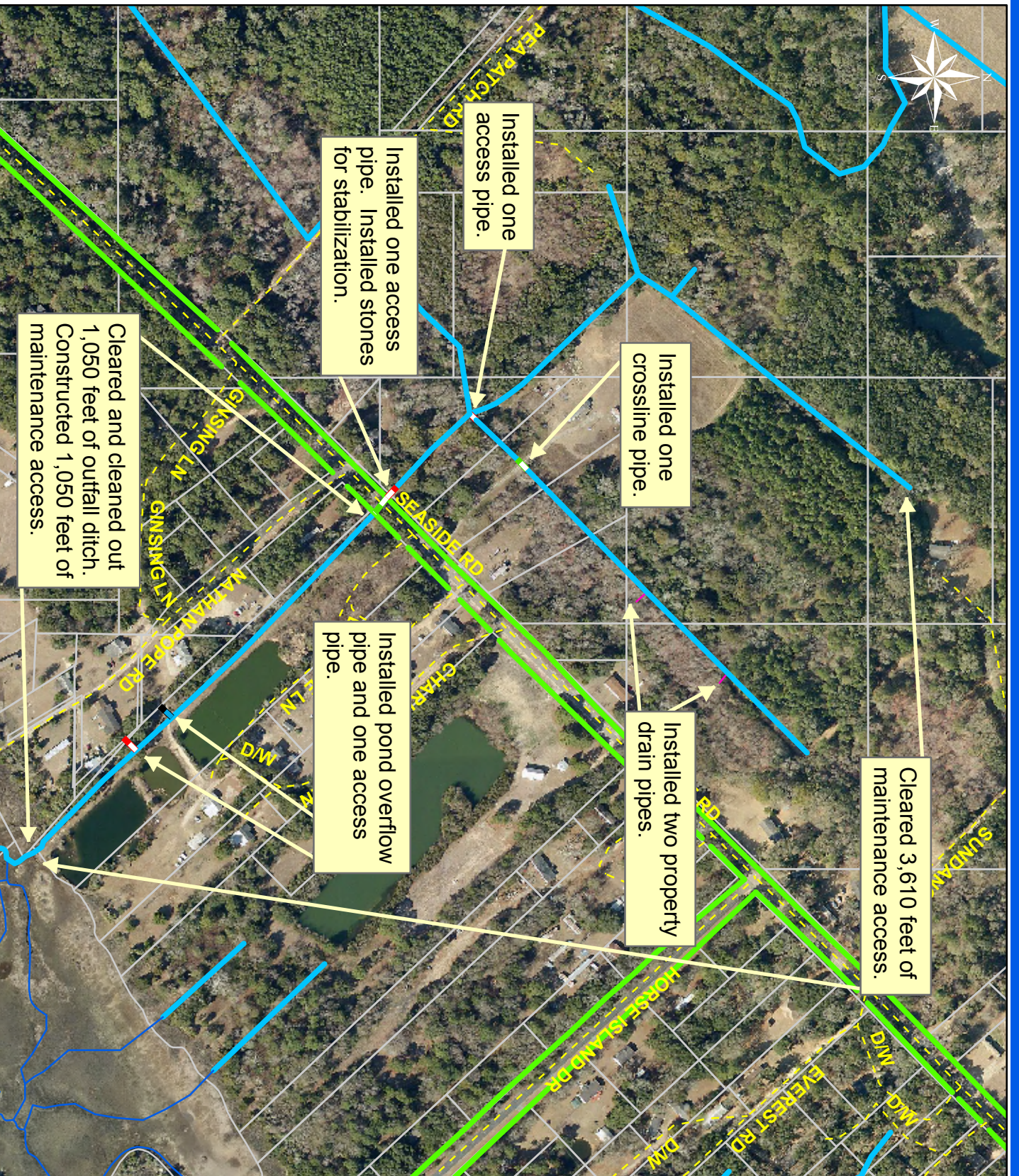
Installed one access pipe. Installed stones for stabilization.

Installed pond overflow pipe and one access pipe.

Cleared and cleaned out 1,050 feet of outfall ditch. Constructed 1,050 feet of maintenance access.



1 inch = 365 feet



Legend	
<b>Drainage Type</b>	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	D/W
	Access
	Piped
	Bleeder
	Parcels

**Project:**  
Nathan Pope  
Road Outfall

**Activity:**  
Drainage  
Improvement

**Project #:**  
2004-57

**Township:**  
St. Helena Island

**Completed:**  
January 2004

Date Print: 02/05





## Stormwater Utility

### *Project Report*

#### Shorts Landing Outfall/Maggioni Ditch

**Project Number:** 2003-02

**Start Month/Year:** February 2004

**Completion Month/Year:** March 2004

**Project Cost:** \$28,044

**Tax District:** 200 – Lady's Island

**Council District:** 7

**Drainage/Water Quality Issue:** During heavy rain events, there was flooding of Shorts Landing Road and surrounding properties.

**Resolution:** This project reconstructed 100 feet of roadside ditch, and installed 260 feet of outfall pipe, one headwall, and replaced one crossline pipe to correct elevation. The Utility also installed stones for stabilization.

**Area Benefited:** This project alleviated flooding and provided drainage for portions of Shorts Landing Road and surrounding properties.

**Before**



**During**



**After**







**Project:**  
Shorts Landing  
Outfall/Maggiore Ditch

**Activity:**  
Drainage  
Improvement

**Project #:**  
2003-02

**Township:**  
Lady's Island

**Completed:**  
March 2004

Legend	
Drainage Type	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	DW
	Access
	Piped
	Bleeder
	Parcels

0 35 70 140 210 280 Feet

1 inch = 106 feet

Date Print: 04/04