



**Fiscal Year 2006**



## Stormwater Utility

### *Project Report*

#### Patterson Outfall/Joe Allen Drive

**Project Number:** 2003-86

**Start Month/Year:** June 2005

**Completion Month/Year:** August 2005

**Project Cost:** \$44,006

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

**Council District:** 6

**Drainage/Water Quality Issue:** As part of the road paving design for Joe Allen Road and Patterson Road, outfall pipe would be installed to replace the existing outfall ditch.

**Resolution:** This project cleaned out 320 feet of outfall ditch and 4,710 feet of roadside ditch. The Utility also installed 280 feet of outfall pipe, two catch basins, and upsized a crossline pipe. Additionally the Utility cleaned out two driveway pipes and a crossline pipe. Lastly, the Utility installed grass and stones for stabilization.

**Area Benefited:** This project provided drainage for Joe Allen Road, Patterson Road, and surrounding properties.

**Before**



**During**



**After**







Cleaned out 320 feet of outfall ditch.  
Installed 280 feet of outfall pipe.

Installed two catch basins and upsized a crossline pipe.

Cleaned out 380 feet of roadside ditch.

Cleaned out 1,050 feet of roadside ditch.

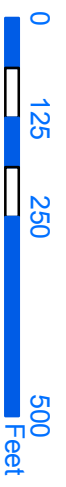
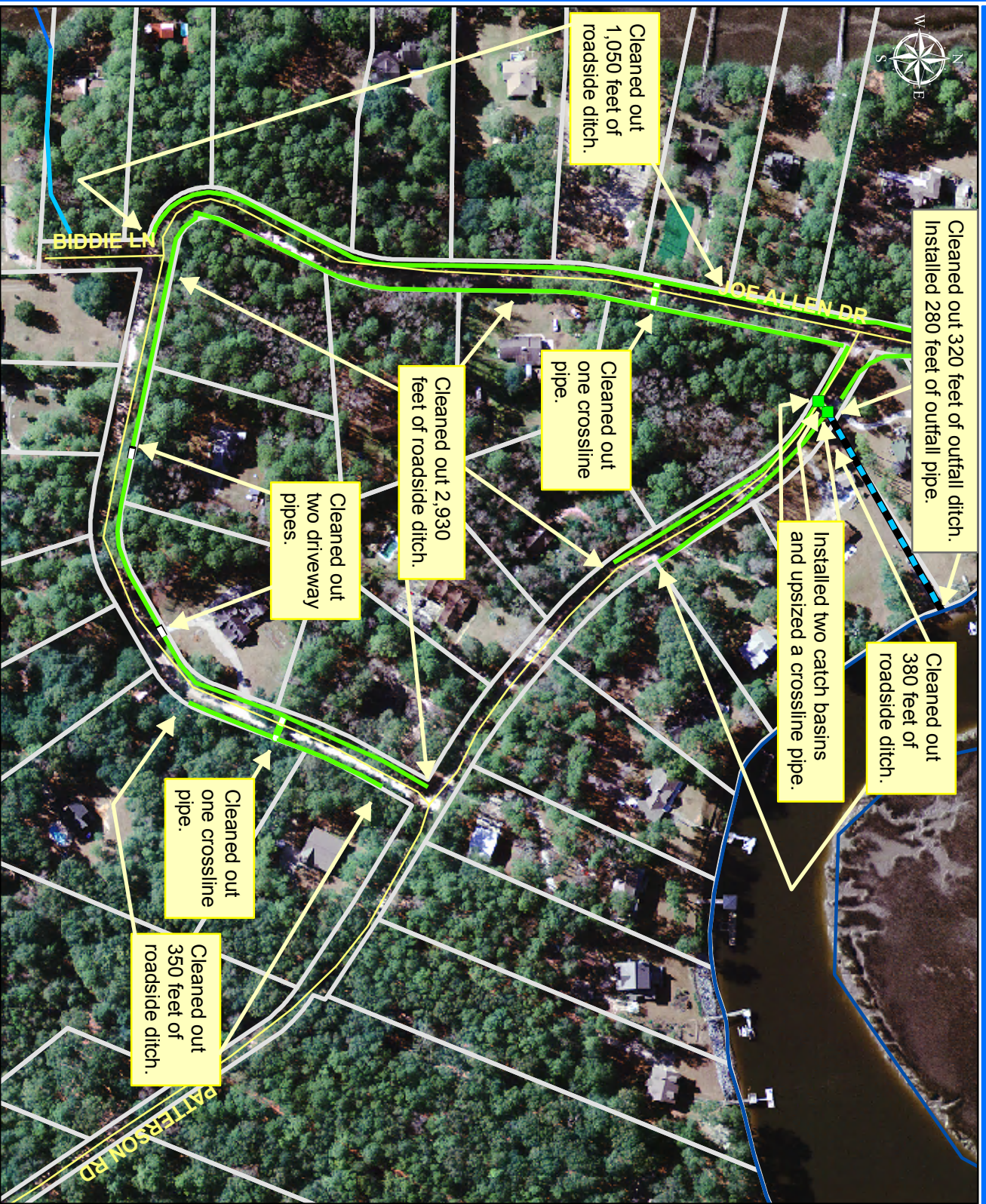
Cleaned out one crossline pipe.

Cleaned out 2,930 feet of roadside ditch.

Cleaned out two driveway pipes.

Cleaned out one crossline pipe.

Cleaned out 350 feet of roadside ditch.



1 inch = 241 feet

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

**Project:**  
Patterson Road

**Activity:** Drainage Maintenance

**Project #:**  
2003-86

**Township:**  
Port Royal Island

**Completed:**  
August 2005

Printing Date: 07/05





## Stormwater Utility

### *Project Report*

#### Pinewood Circle Outfall

**Project Number:** 2004-89

**Start Month/Year:** January 2005

**Completion Month/Year:** August 2005

**Project Cost:** \$66,514

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

**Council District:** 8

**Drainage/Water Quality Issue:** There was standing water in the outfall ditch and a sinkhole on Pinewood Circle.

**Resolution:** This project cleaned out 2,800 feet of outfall ditch and 4,000 feet of roadside ditch. The Utility also installed 200 feet of outfall pipe, eight access pipes, upsized one crossline pipe, extended one access pipe, and reinstalled one driveway pipe to the correct elevation. Additionally, the Utility installed stones and applied grass for stabilization.

**Area Benefited:** This project alleviated the standing water and provided drainage for Pinewood Circle, Quail Drive, and a portion of Mroz Road.

**Before**



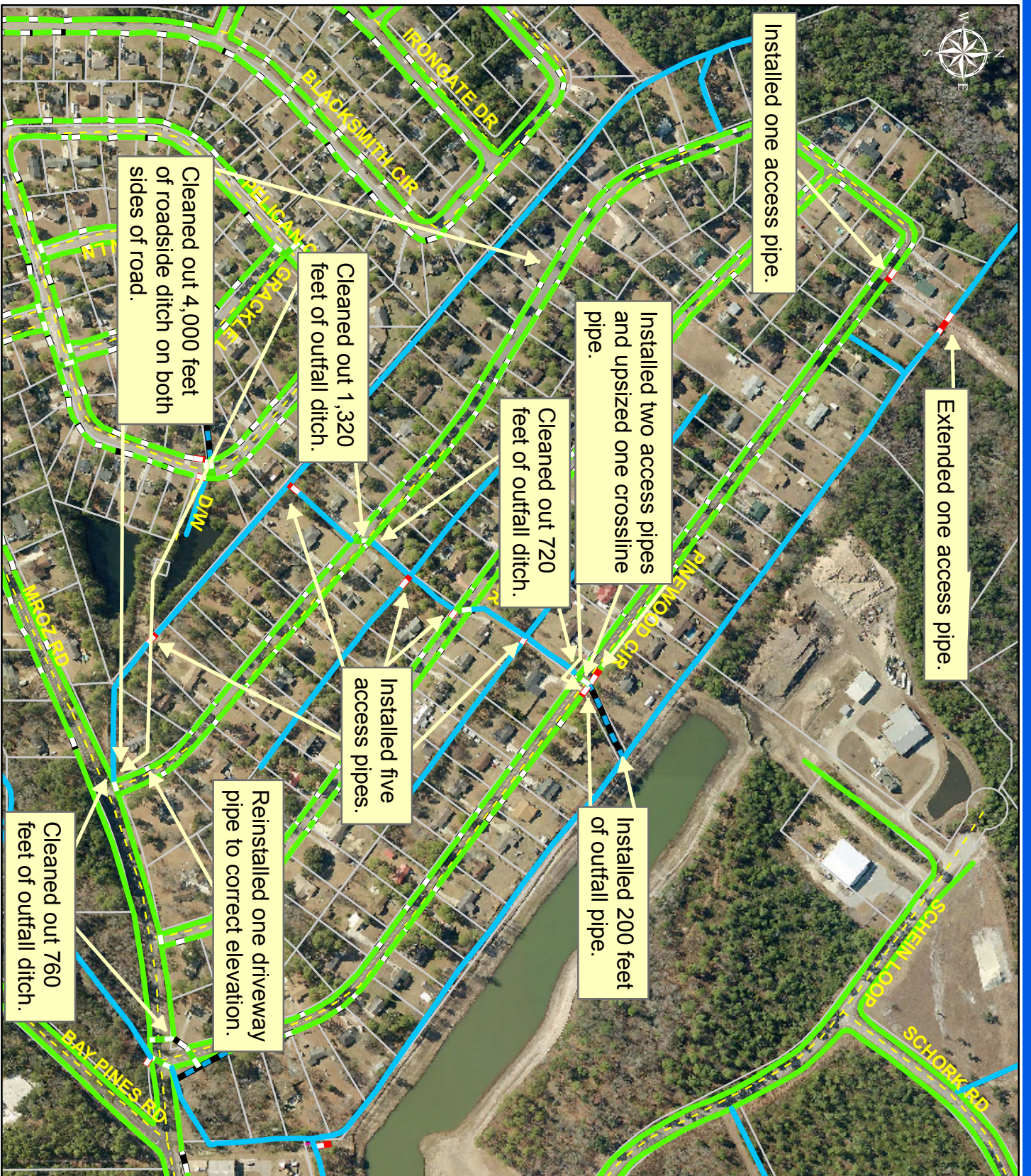
**After**







1 inch = 392 feet



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

**Project:**  
Pinewood Circle  
Outfall

**Activity:**  
Drainage  
Improvement

**Project #:**  
2004-89

**Township:**  
Port Royal Island

**Completed:**  
August 2005





## Stormwater Utility

### *Project Report*

City of Beaufort - Battery Shores

**Project Number:** 2006-06

**Start Month/Year:** October 2005

**Completion Month/Year:** October 2005

**Project Cost:** \$20,953

**Tax District:** 120 - City of Beaufort

**Council District:** 9

**Drainage/Water Quality Issue:** There was stagnant water in the outfall ditch and outfall pipes.

**Resolution:** This project installed 170 feet of outfall pipe, replaced a catch basin with a stone basin, and reinstalled 10 feet of outfall pipe to correct elevation to provide overflow for retention pond. The Utility also cleaned out 50 feet of outfall ditch, 300 feet of outfall pipe, and a crossline pipe. Additionally, the Utility repaired a catch basin. Lastly, the Utility installed grass and stones and applied grass for stabilization.

**Area Benefited:** This project alleviated standing water and provided drainage for portions of Otter Circle, Pine Martin Road, and surrounding properties.

**Before**



**During**



**After**





**Project:**  
City of Beaufort -  
Battery Shores

**Activity:**  
Drainage  
Maintenance














**Project #:**  
2006-06

**Township:**  
City of  
Beaufort

**Completed:**  
October 2005

**Legend**

**Drainage Type**

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



1 inch = 151 feet

Date Print: 12/05





## Stormwater Utility

### *Project Report*

St. Pauls Church Road

**Project Number:** 2006-88

**Start Month/Year:** September 2005

**Completion Month/Year:** October 2005

**Project Cost:** \$28,246

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

**Council District:** 9

**Drainage/Water Quality Issue:** The design of the realignment of St. Pauls Church Road required roadside pipes to be installed.

**Resolution:** This project installed 330 feet of roadside pipe and two catch basins. The Utility also installed stones for stabilization.

**Area Benefited:** This project provided drainage for St. Pauls Church Road and a portion Josephine Road.

**Before**



**During**



**After**







**Project:**  
St. Pauls Church  
Road

**Activity:**  
Road Realignment  
Preparation

**Project #:**  
2006-88

**Township:**  
Port Royal Island

**Completed:**  
October 2005

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





## Stormwater Utility

### *Project Report*

City of Beaufort - King Street Pond (Lake at the Point)

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**Project Number:** 2006-90

**Start Month/Year:** October 2005

**Completion Month/Year:** November 2005

**Project Cost:** \$25,868

**Tax District:** 120 - City of Beaufort

**Council District:** 11

**Drainage/Water Quality Issue:** There was flooding of Hamilton Street, King Street, and the surrounding properties of the pond.

**Resolution:** This project cleaned out the pond to restore pond to designed holding capacity. The Utility also installed stones and applied grass for stabilization.

**Area Benefited:** This project alleviated flooding and provided drainage for portions of Hamilton Street, King Street, North Street, Pinkney Street, and surrounding properties.

**Before**



**During**



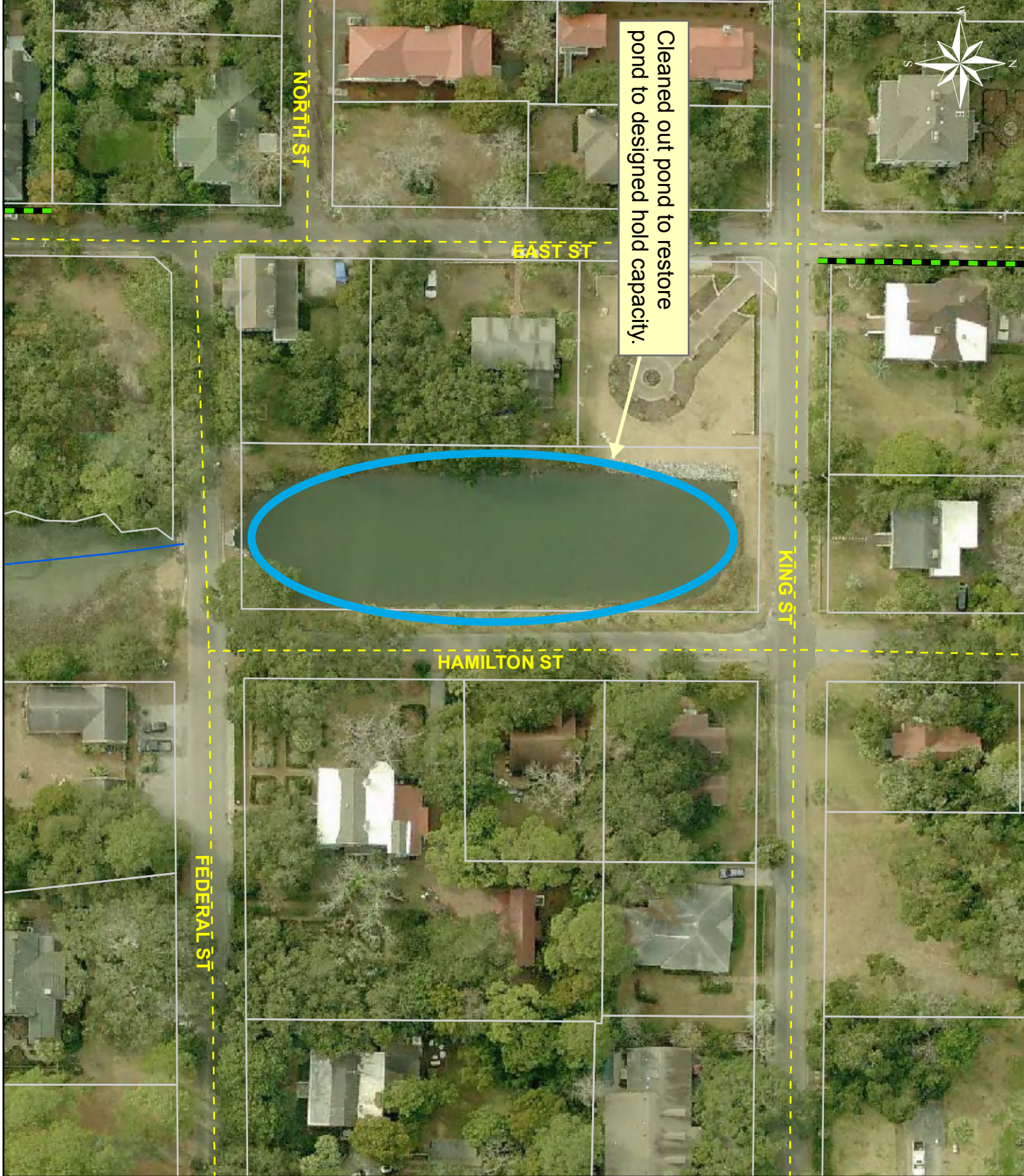
**After**







Cleaned out pond to restore pond to designed hold capacity.



**Project:**  
City of Beaufort -  
King Street Pond

**Activity:**  
Clean Out

**Project #:**  
2006-90

**Township:**  
City of Beaufort

**Completed:**  
November 2005

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





## Stormwater Utility

### *Project Report*

#### Wimbee Landing Crosslines

**Project Number:** 2007-36

**Start Month/Year:** November 2005

**Completion Month/Year:** March 2006

**Project Cost:** \$23,125

**Tax District:** 700 - Sheldon

**Council District:** 6

**Drainage/Water Quality Issue:** There were sinkholes in the road. Also this system was identified in the Stormwater Management Master Plan for potentially overtopping during heavy rain events.

**Resolution:** This project installed three crossline pipes. The Utility also installed stones and applied grass for stabilization.

**Area Benefited:** This project repaired the sinkholes and increased the capacity of the drainage system to prevent road overtopping during extreme storm events.

**Before**



**During**



**After**







Installed three crossline pipes to prevent overtopping during extreme storm events.

WIMBEE LANDING RD



1 inch = 80 feet

**Project:**  
Wimbee Landing  
Crossline Installations

**Activity:**  
Installed three  
Crosslines

**Project #:**  
2007-36

**Township:**  
Sheldon

**Completed:**  
March 2006

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

Date Print: 04/06





## Stormwater Utility

### *Project Report*

Providence Road

**Project Number:** 2007-51

**Start Month/Year:** March 2006

**Completion Month/Year:** May 2006

**Project Cost:** \$33,060

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

**Council District:** 9

**Drainage/Water Quality Issue:** A Forest Field Subdivision property owner granted the County an easement which would allow the Utility to relieve flooding within a portion of the Subdivision. The property owner also requested that the County move the existing ditch to the edge of the property line.

**Resolution:** This project cleaned out 300 feet of flow line and constructed 720 feet of outfall ditch. The Utility also installed one access pipe and four property drain pipes. Additionally, the Utility installed stones and applied grass for stabilization.

**Area Benefited:** The project allowed drainage for the north end of Forest Field Subdivision.

**Before**



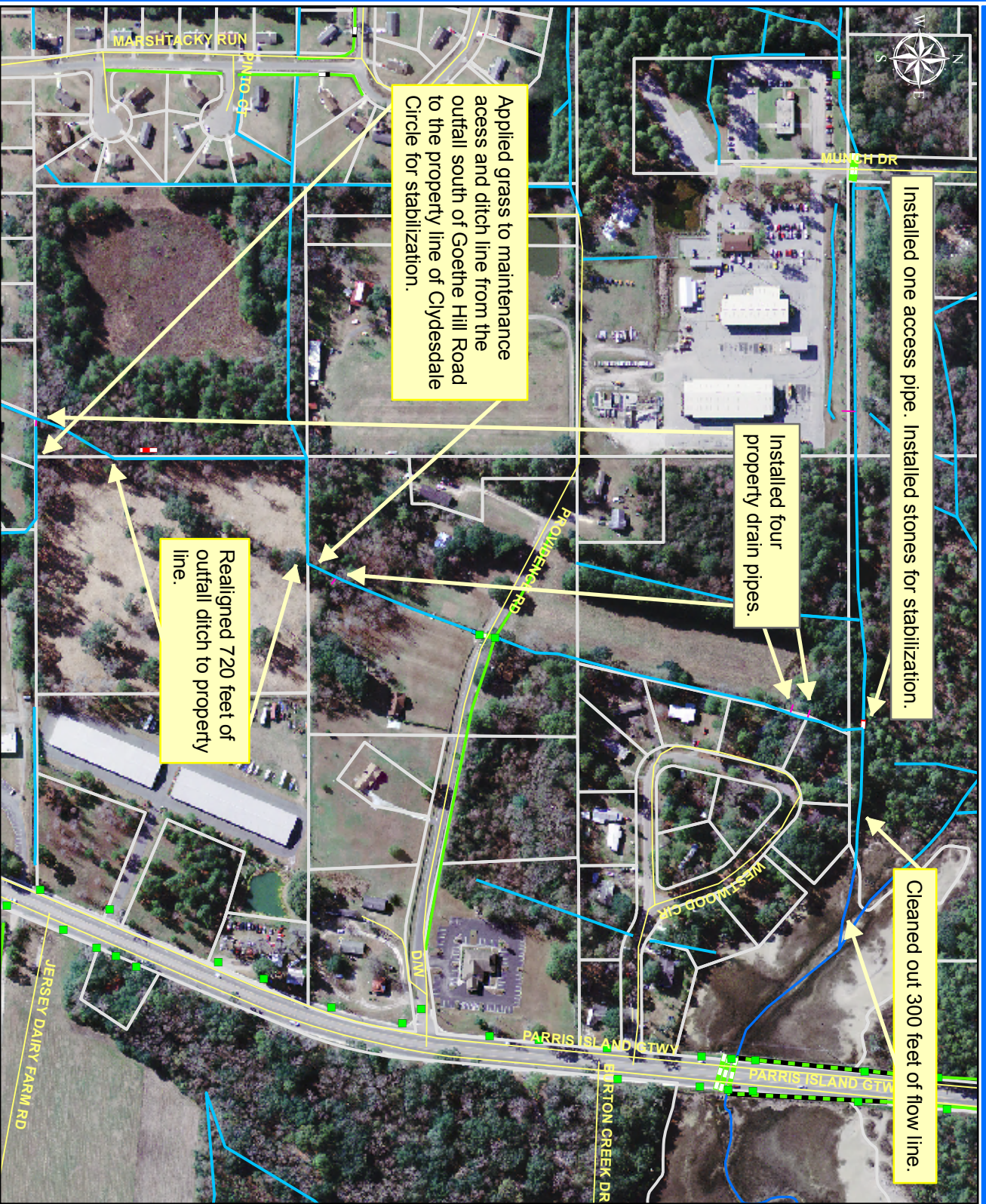
**During**



**After**







Installed one access pipe. Installed stones for stabilization.

Installed four property drain pipes.

Cleaned out 300 feet of flow line.

Realigned 720 feet of outfall ditch to property line.

Applied grass to maintenance access and ditch line from the outfall south of Goethe Hill Road to the property line of Clydesdale Circle for stabilization.

**Project:**  
 Providence Road and  
 Four Seasons Storage

**Activity:** Drainage  
 Maintenance

**Project#:** 2007-51

**Township:**  
 Port Royal Island

**Completed:**  
 May 2006

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



Printing Date: 07/06





## Stormwater Utility

### *Project Report*

Laurel Acres/Pine Grove

**Project Number:** 2006-16

**Start Month/Year:** April 2006

**Completion Month/Year:** June 2006

**Project Cost:** \$67,198

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

**Council District:** 8

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

**Resolution:** This project cleared and cleaned out 990 feet of outfall ditch and reconstructed the maintenance access. The Utility cleared an additional 260 feet of outfall ditch and, cleaned out 450 feet of roadside ditch. Additionally, the Utility installed 250 feet of outfall pipe, two property drain/access pipes, 250 feet roadside pipe, and a catch basin. The Utility also cleaned out the catch basin and the roadside pipe. Lastly, the Utility installed stones and applied grass for stabilization.

**Area Benefited:** This project alleviated standing water and flooding and provided drainage for Laurel Street East and portions of White Pine Road, Pine Grove Road, Laurel Street West, and surrounding properties.

**Before**



**During**



**After**





**Project:**  
 Laurel Acres/  
 Pine Grove

**Activity:**  
 Ditch  
 Improvements













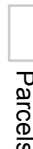
**Project #:**  
 2006-16

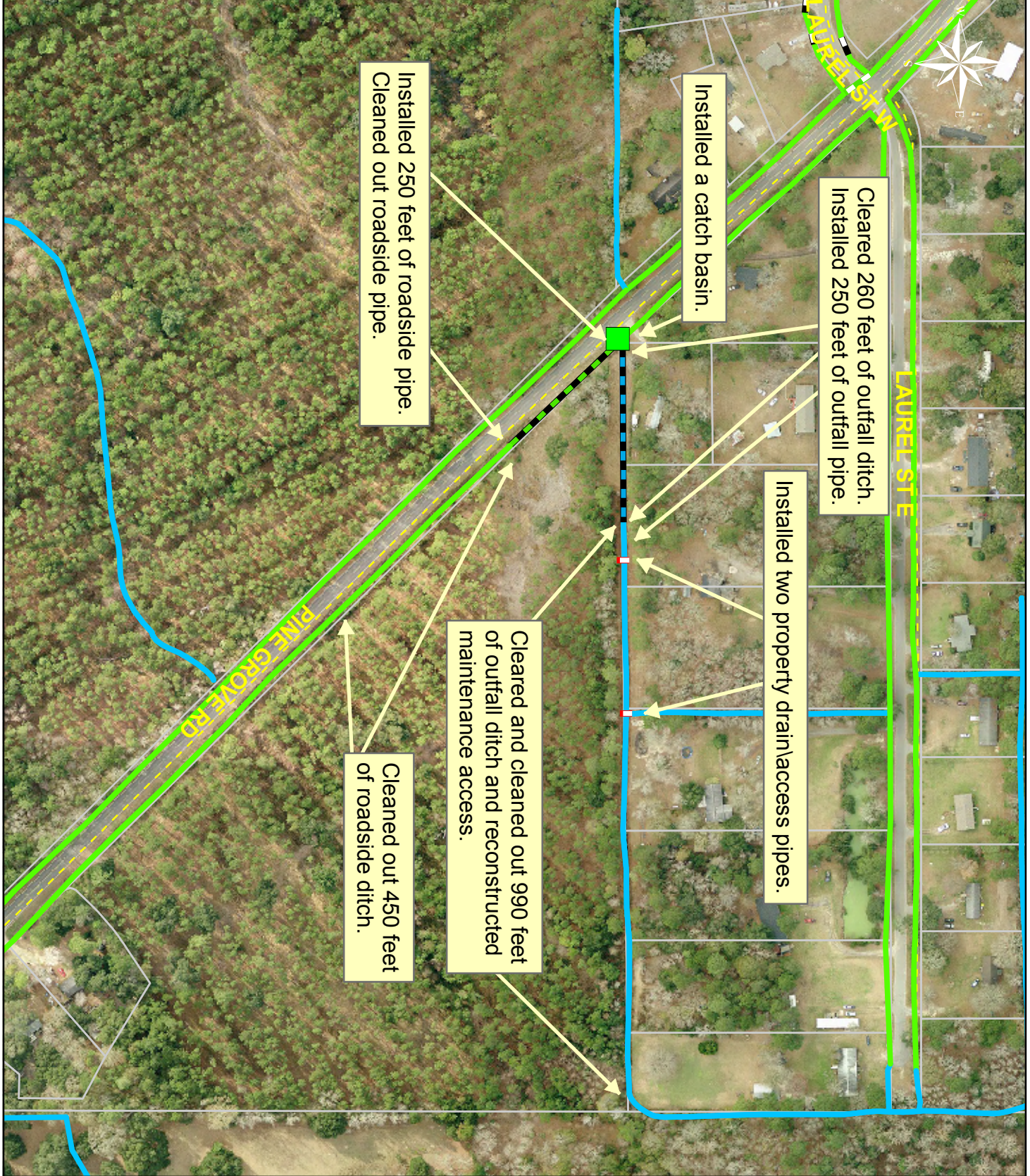
**Township:**  
 Port Royal Island

**Completed:**  
 June 2006

**Legend**

**Drainage Type**

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



1 inch = 222 feet

Date Print: 7/06