



Fiscal Year 2010



Stormwater Utility

Project Report

Audubon Woods Subdivision Phase I & II

Project Number: 2008-105

Start Month/Year: March 2009

Completion Month/Year: July 2009

Project Cost: \$157,547

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: There was flooding, stagnant water, and standing water throughout the drainage system and stagnant water on surrounding properties in the Audubon Woods Subdivision.

Resolution: This project mowed 70 feet of roadside ditch, cleared and cleaned out 110 feet of outfall ditch, and cleaned out 6,630 feet of roadside ditch. The Utility also installed 290 feet of outfall pipe, one property drain pipe, 10 feet of roadside pipe, and two access pipes. Additionally, the Utility installed one catch basin and upsized nineteen driveway pipes to correct elevation. The Utility also repaired two crossline pipes and two washouts and cleaned out seven crossline pipes and thirty-three driveway pipes. Lastly, the Utility installed stones and grass for stabilization.

Area Benefited: This project alleviated drainage issues and provided drainage for the subdivision.

Before

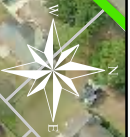


During



After





Project:
Audubon Woods
Subdivision
Ph I and II

Activity: Drainage
Improvement

Project#:
2008-105

Township:
Port Royal Island

Completed :
July 2009

Legend	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels
	Upsized DW (19)
	Rip Rap Basins (12)



Stormwater Utility

Project Report

City of Beaufort - Battery Shores Phase III

Project Number: 2009-110B

Start Month/Year: June 2009

Completion Month/Year: July 2009

Project Cost: \$75,723

Tax District: 120 – City of Beaufort

Council District: 9

Drainage/Water Quality Issue: During rain events, there was flooding on a portion of Otter Circle and Pine Martin Road.

Resolution: This project cleaned out 140 feet of roadside ditch. The Utility also replaced 60 feet of outfall pipe, installed 190 feet of outfall pipe, 20 feet of roadside pipe, and 20 feet of pipe to connect the existing outfall pipe to the drainage system. In addition, the Utility extended one driveway pipe, upsized a single crossline pipe to twin crossline pipes, and cleaned out and reworked one catch basin, twin crossline pipes, two driveway pipes, and 220 feet of outfall pipe. Lastly, the Utility repaired washouts and installed stones and grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for portions of Pine Martin Road, Wolverine Road, Mustelidar Road, and surrounding properties.

Before

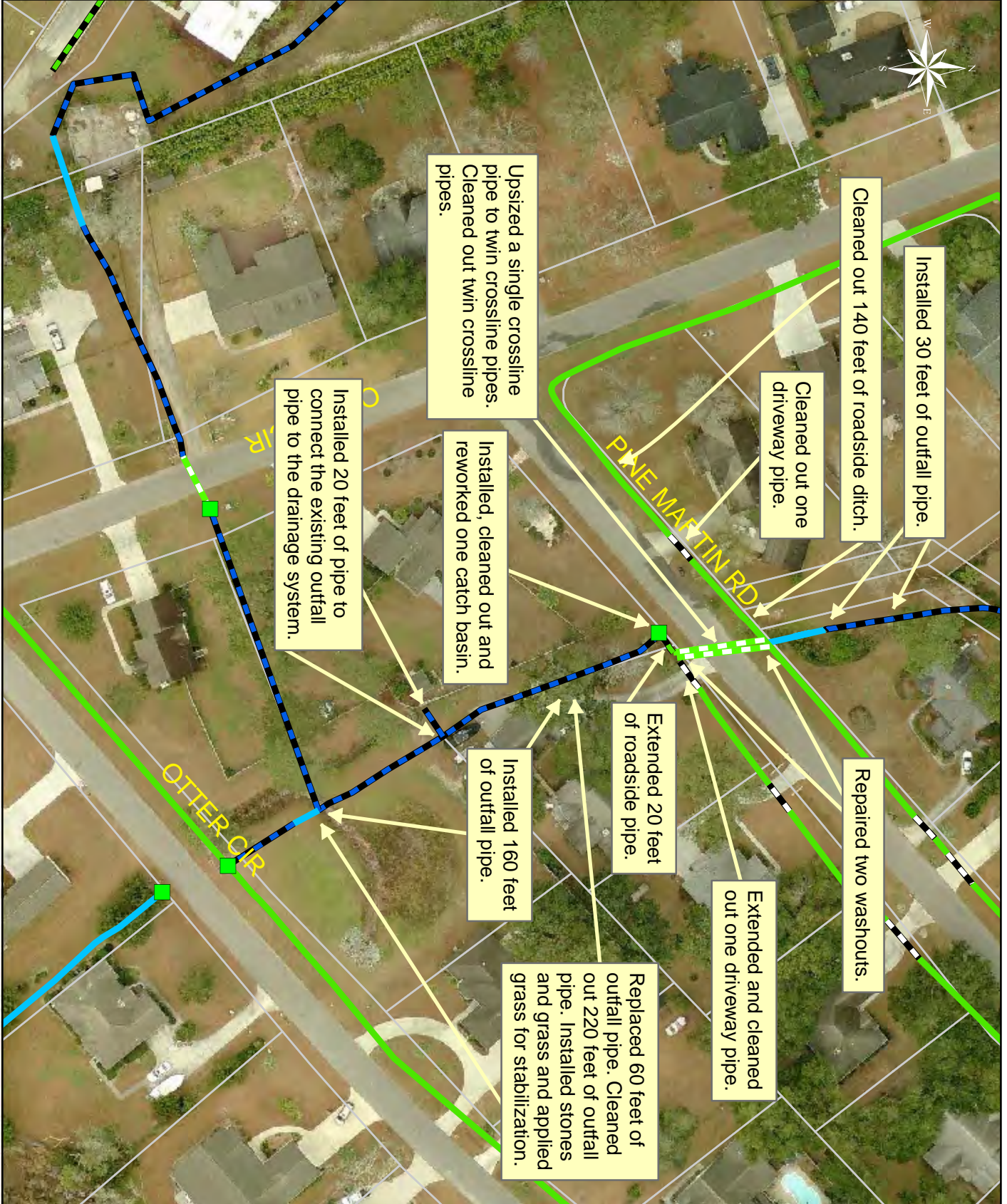


During



After





1 inch = 88 feet

Project:
City of Beaufort -
Battery Shores
Phase III

Activity: Drainage
Maintenance

Project #:
2009-110B

Township:
City of Beaufort

Completed:
July 2009

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Roadside Pipe
	Crossline
	Driveway
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels

Printed: 7/22/09



Stormwater Utility

Project Report

Community Center Road

Project Number: 2009-140

Start Month/Year: April 2009

Completion Month/Year: July 2009

Project Cost: \$30,085

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was standing water in the roadside ditches off of Community Center Road and Benjamin Smalls Road.

Resolution: This project cleaned out 5,140 feet of roadside ditch and upsized one driveway pipe to correct elevation. The Utility also cleaned out four crossline pipes and thirty-one driveway pipes.

Area Benefited: This project provided better drainage for Community Center Road, and portions of Benjamin Smalls Road and Bear Swamp Road.

Before



During



After





Cleaned out thirty-one driveway pipes.

Cleaned out 2,680 feet of roadside ditch.

Cleaned out one crossline pipe.

Cleaned out one crossline pipe.

Upsized one driveway pipe to correct elevation.

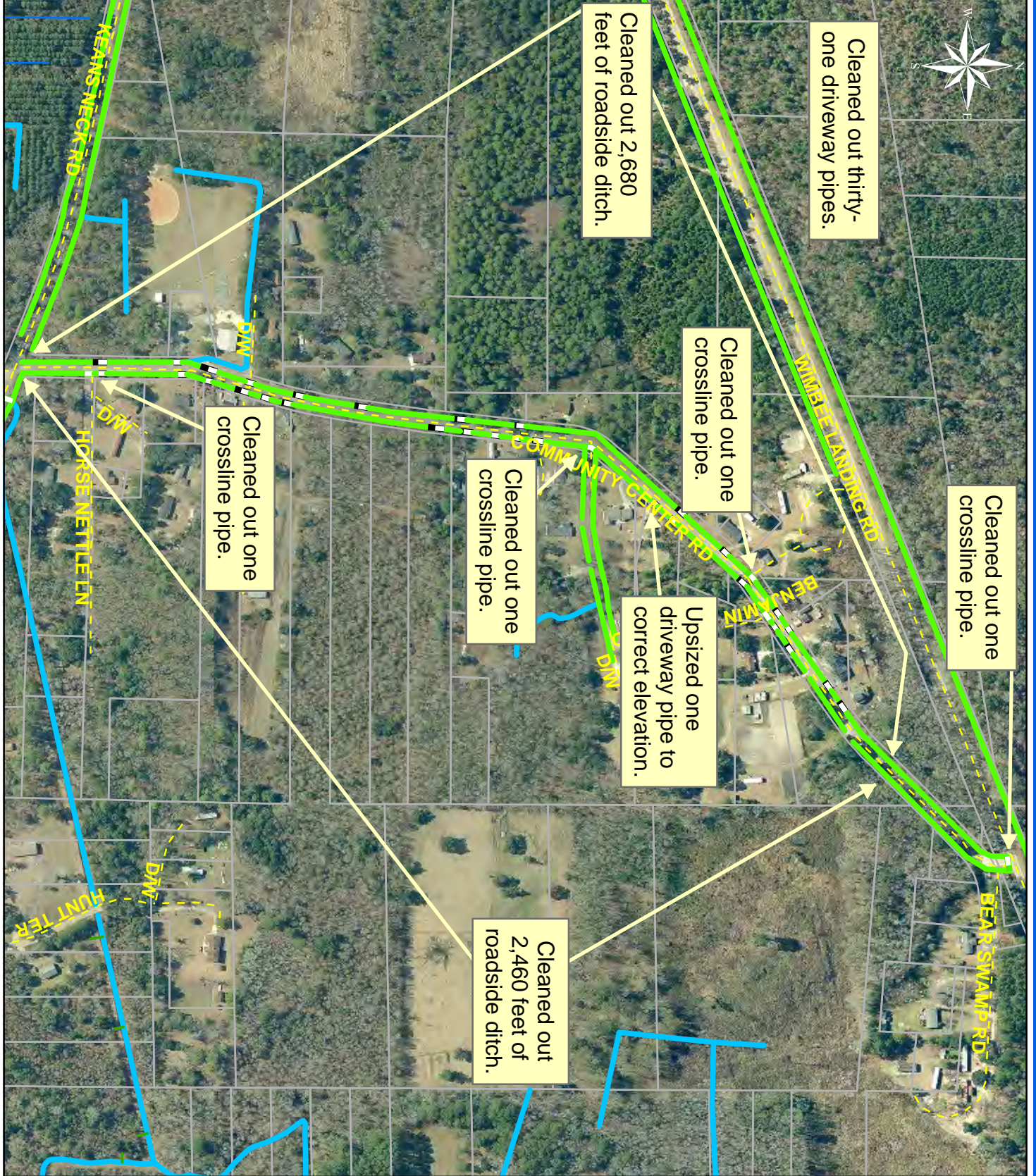
Cleaned out one crossline pipe.

Cleaned out one crossline pipe.

Cleaned out 2,460 feet of roadside ditch.



1 inch = 398 feet



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

Project:
Community Center Road

Activity: Drainage Maintenance

Project #:
2009-140

Township:
Sheldon

Completed:
July 2009

Date Print: 7/20/09



Stormwater Utility

Project Report

Airport Circle

Project Number: 2009-122

Start Month/Year: April 2009

Completion Month/Year: July 2009

Project Cost: \$20,547

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: During rain events there was flooding of adjacent parcels off of Airport Circle.

Resolution: This project cleaned out 100 feet of outfall ditch and one catch basin. The Utility also replaced one crossline pipe and one catch basin.

Area Benefited: This project alleviated flooding and provided drainage for a portion of Airport Circle and the Lady's Island Convenience Center.

Before

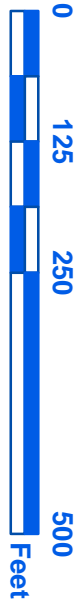


During



After





1 inch = 184 feet



Project:
Airport Circle

Activity: Drainage
Maintenance

Project #:
2009-122

Township:
Lady's Island

Completed:
July 2009

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Crossline
	Driveway
	Access Pipe
	Piped Ditch
	Bleeder
	Parcels



Print Date: 7/30/09



Stormwater Utility

Project Report

Toomer Road/Old Ben Road

Project Number: 2009-129

Start Month/Year: April 2009

Completion Month/Year: July 2009

Project Cost: \$52,132

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: This drainage system had not been cleaned out since the paving of Toomer Road and Old Ben Road, causing standing water in the drainage system.

Resolution: This project cleaned out 7,030 feet of roadside ditch and 1,460 feet of outfall ditch. The Utility also reinstalled two driveway pipes and one access pipe to correct elevation. Additionally, the Utility cleaned out three crossline pipes, one access pipe, and thirty-six driveway pipes, along with repairing a washout.

Area Benefited: This project provided drainage for Toomer Road, Old Ben Road, and surrounding properties.

Before

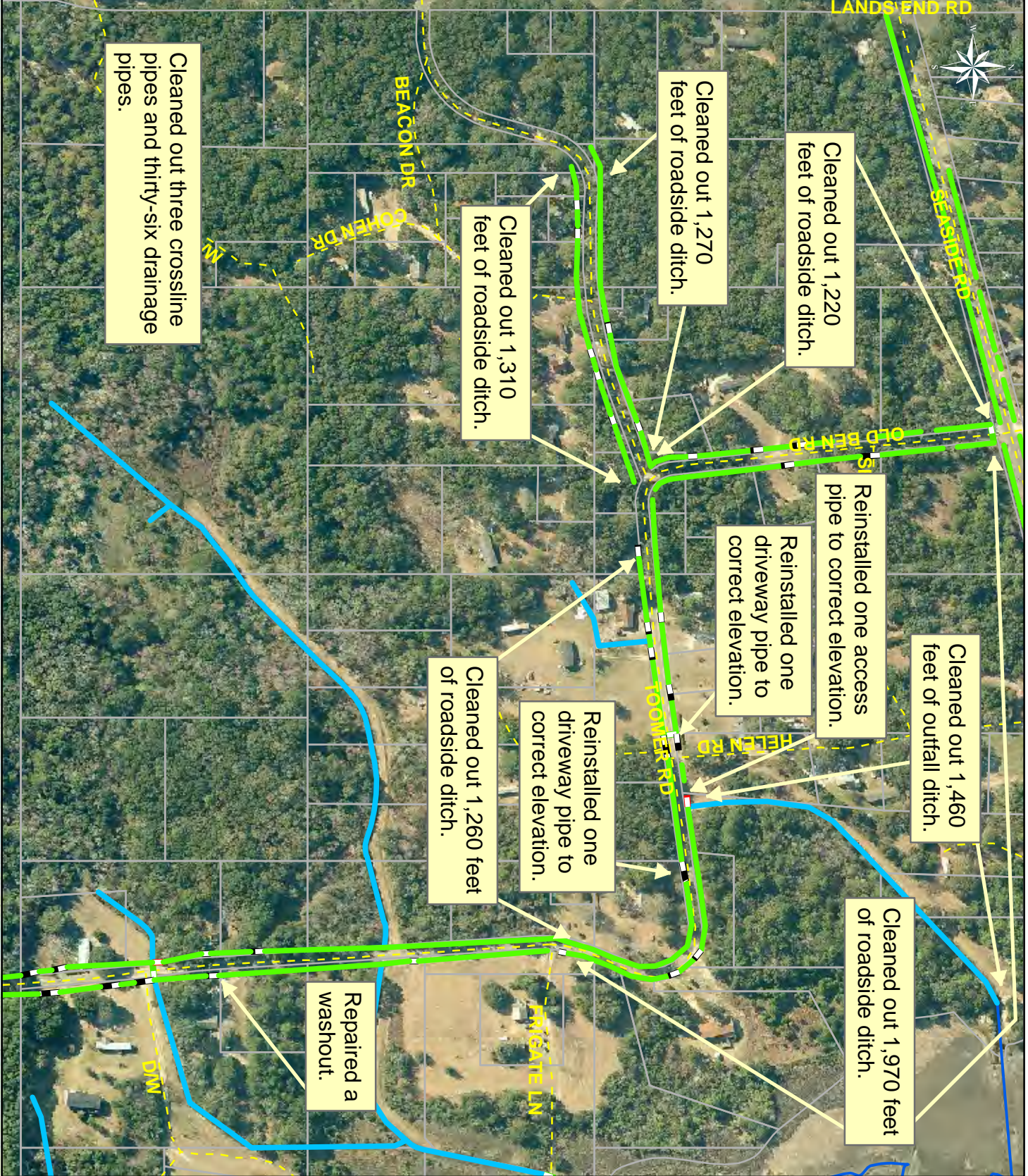


During



After





Project:
Toomer Road and
Old Ben Road

Activity: Drainage
Maintenance

Project #:
2009-129

Township:
St. Helena Island

Completed:
July 2009

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

Date Print: 7/20/09



Stormwater Utility

Project Report

Cape Hart Circle Phase II

Project Number: 2010-001

Start Month/Year: January 2009

Completion Month/Year: August 2009

Project Cost: \$91,187

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: During rain events there was flooding on a portion of Cape Hart Circle and surrounding properties. Also, the access and easement for the drainage system were narrow, thus preventing the outfall ditch between the houses to be routinely cleaned out.

Resolution: This project cleared 350 feet of outfall ditch, installed three catch basins, one crossline pipe, 350 feet of outfall pipe, and upsized 80 feet of outfall pipe. The Utility also installed a total of 22 feet of pipe to connect the existing outfall pipe to the drainage system. Additionally, the Utility cleaned out one catch basin and one driveway pipe and installed stones and grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for portions of Cape Hart Circle and surrounding properties.

Before

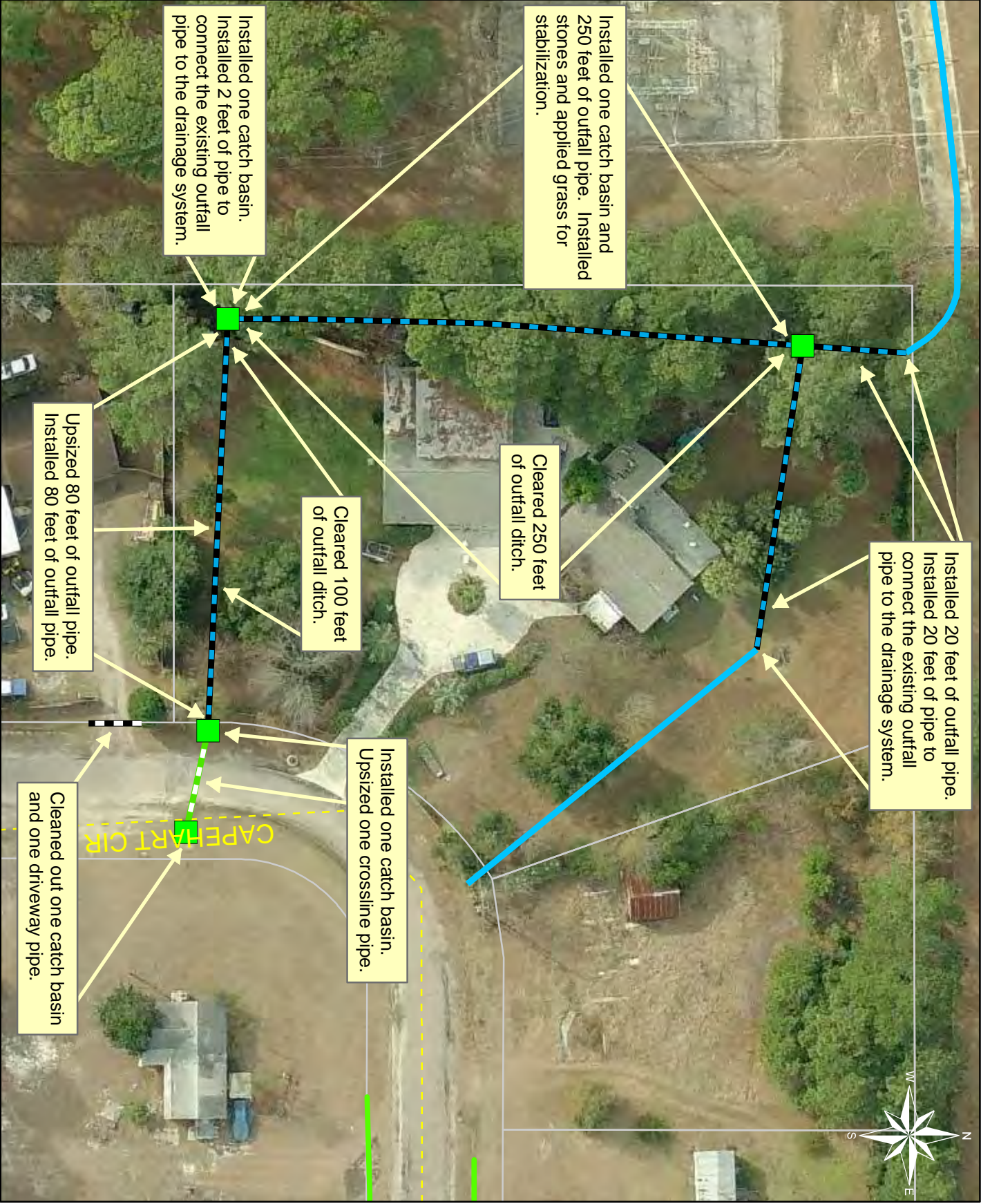


During



After





Project:
Capehart Circle
Phase II

Activity: Drainage
Improvement

Project #:
2010-001

Township:
Port Royal Island

Completed:
August 2009

Legend 233

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



1 inch = 49 feet



Stormwater Utility

Project Report

Middle River Road

Project Number: 2009-125

Start Month/Year: July 2009

Completion Month/Year: August 2009

Project Cost: \$37,623

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: There was standing water in the roadside ditch and outfall ditch off of Middle River Road. Also, the access and easement for the drainage system were narrow, thus preventing the outfall ditch between the houses to be routinely cleaned out.

Resolution: This project cleaned out 220 feet of roadside ditch and replaced two driveway pipes with 70 feet of roadside pipe. The Utility also installed two catch basins, 260 feet of outfall pipe, and one crossline pipe. Lastly, the Utility installed stones and grass for stabilization.

Area Benefited: This project provided drainage for Middle River Road and surrounding properties.

Before



During



After



Project:
Middle River Road

Activity: Ditch
Maintenance

Project #:
2009-125

Township:
Port Royal Island

Completed:
August 2009



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

0 25 50 100 150 200 Feet

1 inch = 88 feet

Date Print: 04/14/10



Stormwater Utility

Project Report

Coakley Drive

Project Number: 2010-023

Start Month/Year: August 2009

Completion Month/Year: September 2009

Project Cost: \$25,594

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was standing water in roadside ditches.

Resolution: This project cleared and reconstructed 250 feet of outfall ditch and cleaned out 330 feet of outfall ditch. The Utility also installed three access pipes and installed stones and applied grass for stabilization.

Area Benefited: This project alleviated standing water and provided drainage for Coakley Drive.

Before



During



After





1 inch = 96 feet



Cleared and reconstructed 250 feet of outfall ditch. Applied grass for stabilization.

Installed three access pipes. Installed stones for stabilization.

Cleared out 330 feet of outfall ditch. Applied grass for stabilization.

COAKLEY DR

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

Project: Coakley Drive
 Activity: Ditch Maintenance
 Project #: 2010-023
 Township: Sheldon
 Completed: September 2009



Stormwater Utility

Project Report

Lightsey Road Outfall

Project Number: 2003-075

Start Month/Year: May 2009

Completion Month/Year: September 2009

Project Cost: \$125,910

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was flooding of adjacent properties to Lightsey Road. There was also stagnant water in the outfall ditches.

Resolution: This project mowed 2,270 feet of outfall ditch, cleared 1,350 feet of outfall ditch, cleaned out 900 feet of roadside ditch, and cleared and cleaned out 610 feet of maintenance access and outfall ditch. The Utility also installed seven access pipes, three property drain pipes, one crossline pipe, twin flap gates, and 80 feet of outfall pipe. Additionally, the Utility replaced one crossline pipe and cleaned out two crossline pipes, two driveway pipes, and one access pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage to Lightsey Road and surrounding properties.

Before



During



After







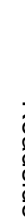




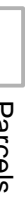

Project:
Lightsey Road
Map 1

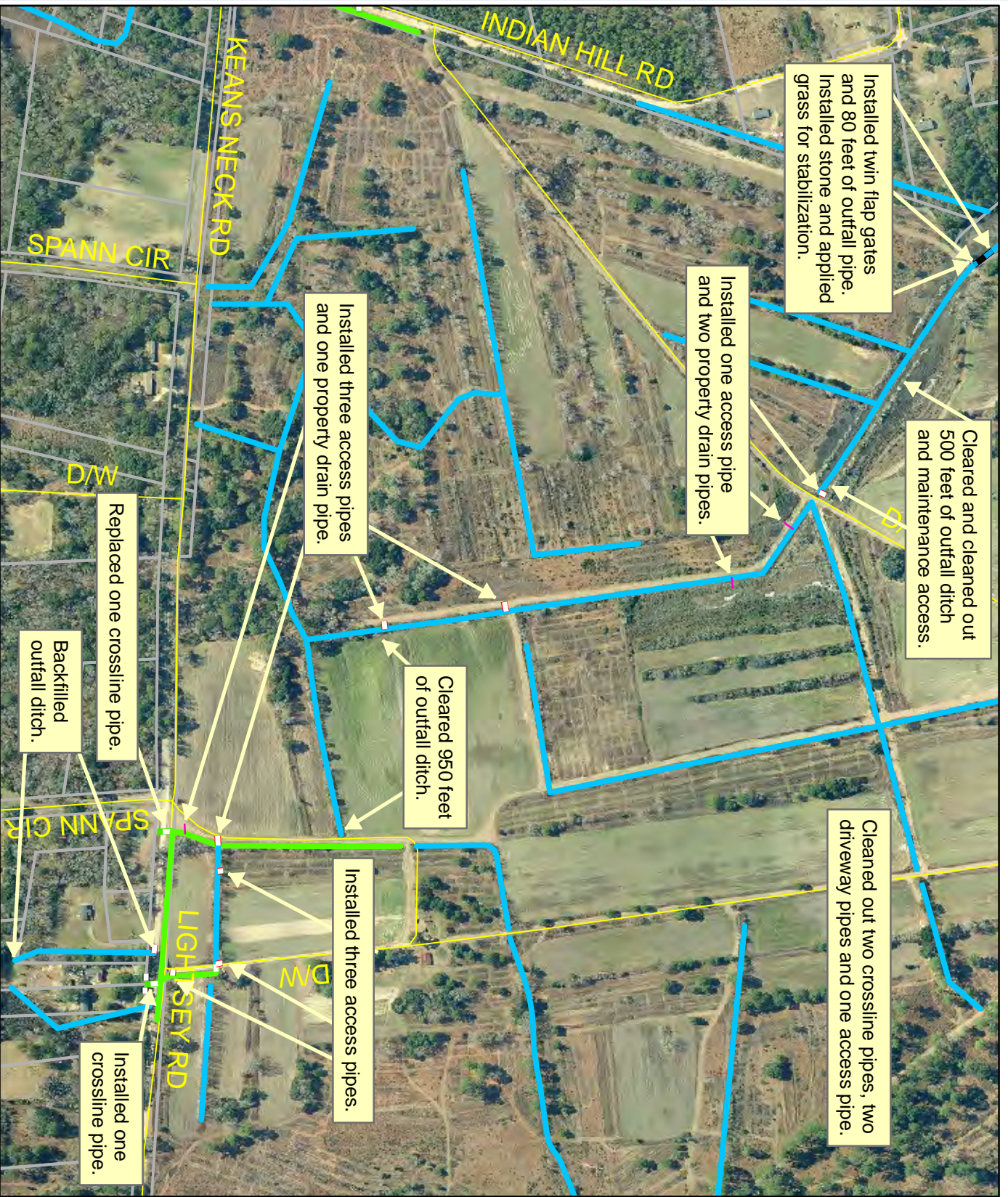
Activity: Drainage
Improvement

Project #:
2003-075

Township:
Sheldon

Completed:
September 2009

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



1 inch = 473 feet

Date Print: 5/11/10

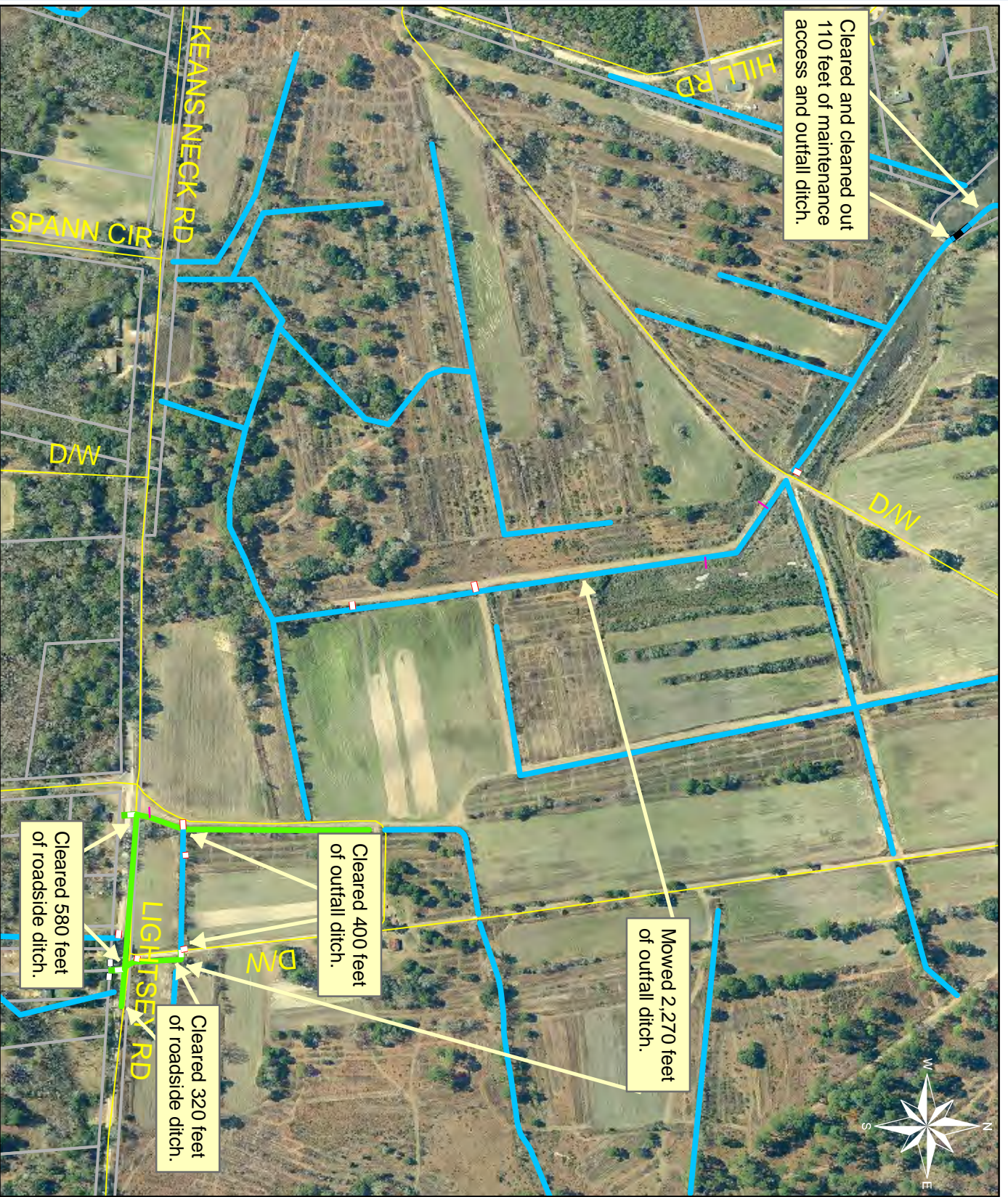
Project:
Lightsey Road
Map 2

Activity: Drainage
Improvement

Project #:
2003-075

Township:
Sheldon

Completed:
September 2009



1 inch = 467 feet

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

Date Print: 1/13/10



Stormwater Utility

Project Report

Mattis Drive Outfall

Project Number: 2009-103

Start Month/Year: September 2009

Completion Month/Year: September 2009

Project Cost: \$67,168

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: As part of the road paving design for Mattis Drive, the drainage system in the area had to be improved.

Resolution: This project mowed 1,460 feet of maintenance access, cleared 250 feet of maintenance access, and cleaned out 400 feet of outfall ditch. The Utility also installed three catch basins and 1,030 feet of outfall pipe along with installing stones and applying grass for stabilization.

Area Benefited: This project provides drainage for Mattis Drive and surrounding properties.

Before

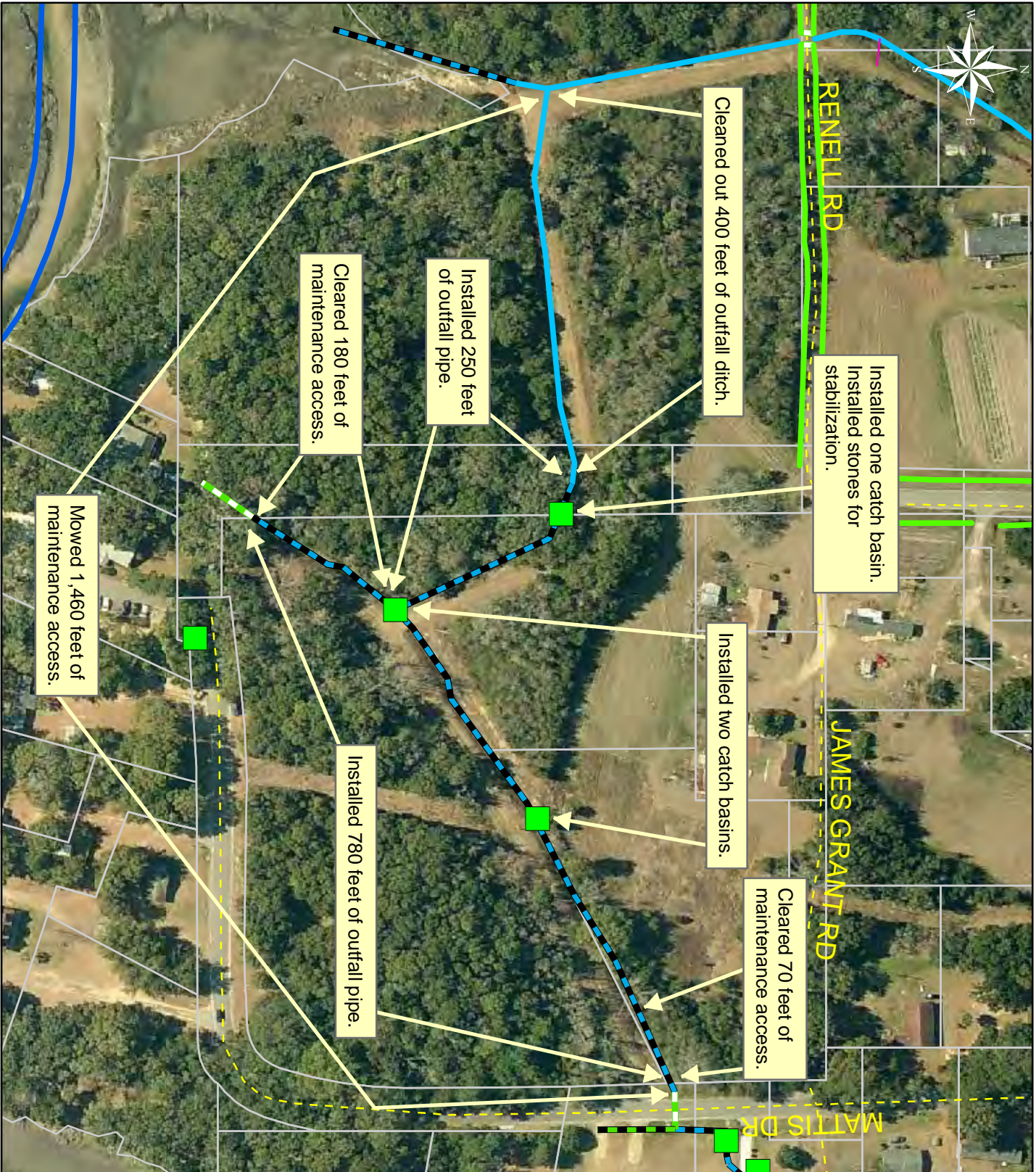


During



After





1 inch = 150 feet

Project:
Mattis Drive Outfall

Activity: Drainage Improvement

Project #: 2009-103

Township: St. Helena Island

Completed: September 2009

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



Stormwater Utility

Project Report

Oyster Street

Project Number: 2009-135

Start Month/Year: June 2009

Completion Month/Year: September 2009

Project Cost: \$46,889

Tax District: 600 – Bluffton

Council District: 4

Drainage/Water Quality Issue: There was standing water in the outfall drainage system and adjacent properties.

Resolution: This project cleared and cleaned out 800 feet of outfall ditch. The Utility removed debris by hand from the flowline and replaced two driveway pipes. Additionally, the Utility also cleaned out two catch basins, two crossline pipes, and one driveway pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated standing water and provided drainage for portions of Oyster Street.

Before



During



After



Project:
Oyster Street

Activity: Drainage
Maintenance

Project #:
2009-135

Township:
Bluffton

Completed:
September 2009



1 inch = 124 feet

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



Stormwater Utility

Project Report

Port Royal Island Bush Hog

Project Number: 2010-060

Start Month/Year: September 2009

Completion Month/Year: September 2009

Project Cost: \$30,342

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: The drainage infrastructure requires periodic mowing maintenance to function as designed. This controls woody growth (trees) and prevents blockages that could require a major cleaning effort due to system failure and damage to surrounding areas.

Resolution: Routine maintenance was completed for 62,710 feet of outfall ditches and 4,850 feet of roadside ditches within the drainage system on Port Royal Island.

Area Benefited: This project provided routine maintenance for the following areas: Irongate Drive, Resource Conservation and Development Ditch-Highway 21, Schwartz Road, Roseida Road, Arnold Lane, Parker Drive, Powell Drive, Hobcaw Drive, Pine Grove Road, Burton Wells Road, County Shed Road, Country Manor Road, Deloach Road, Poppy Hill Road, Habersham Avenue, Pinewood Circle, Audubon Road, Mint Farm Drive, Cape Hart Circle, Brilliant Lane, Dennis Lane, and Forest Field Road.

Before



Stock Picture

During



Stock Picture

After



Stock Picture



Stormwater Utility

Project Report

Washington Farm Road

Project Number: 2009-123

Start Month/Year: April 2009

Completion Month/Year: September 2009

Project Cost: \$24,461

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During high tide, the outfall drainage system and surrounding properties flooded.

Resolution: This project cleared 420 feet of outfall ditch. The Utility also cleaned out and reconstructed 1,630 feet of outfall ditch and constructed 680 feet of outfall ditch. Additionally, the Utility installed two access pipes and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for portions of Washington Farm Road and Kinloch Road.

Before

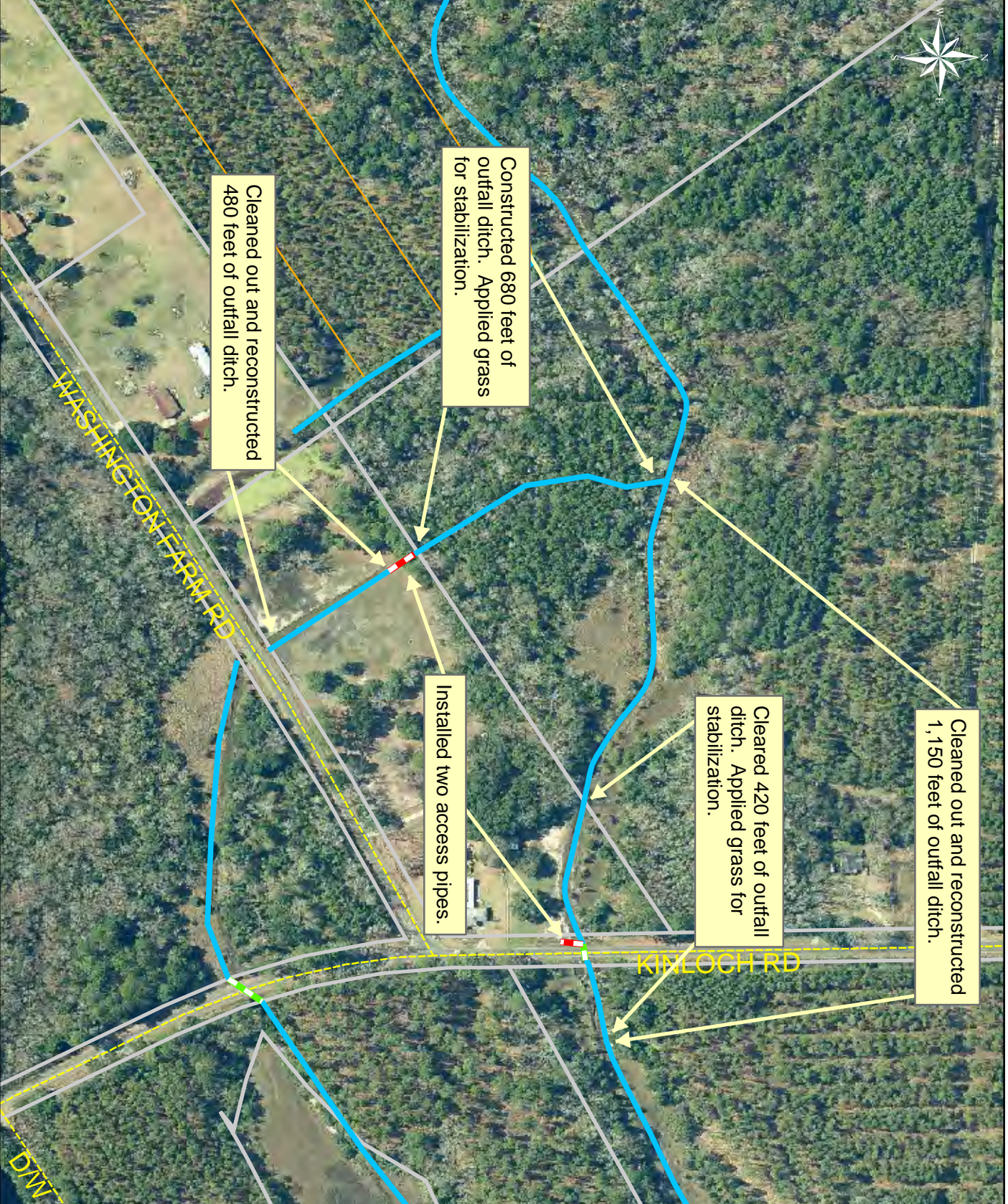


During



After





1 inch = 287 feet

Cleaned out and reconstructed 1,150 feet of outfall ditch.

Cleared 420 feet of outfall ditch. Applied grass for stabilization.

Installed two access pipes.

Constructed 680 feet of outfall ditch. Applied grass for stabilization.

Cleaned out and reconstructed 480 feet of outfall ditch.

Project:
Washington Farm Road

Activity: Drainage Maintenance

Project #:
2009-123

Township:
Sheldon

Completed:
September 2009

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Roadside Pipe
	Crossline
	Driveway
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels



Stormwater Utility

Project Report

Dolphin Point Drive

Project Number: 2010-061

Start Month/Year: October 2009

Completion Month/Year: October 2009

Project Cost: \$23,505

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: The tide cycle caused erosion to ditch bank.

Resolution: This project installed one access pipe. The Utility also reestablished and stabilized 200 feet of outfall ditch bank and installed stones and applied grass for stabilization.

Area Benefited: This project corrected the erosion damage and provided drainage for portions of Dolphin Point Drive.

Before

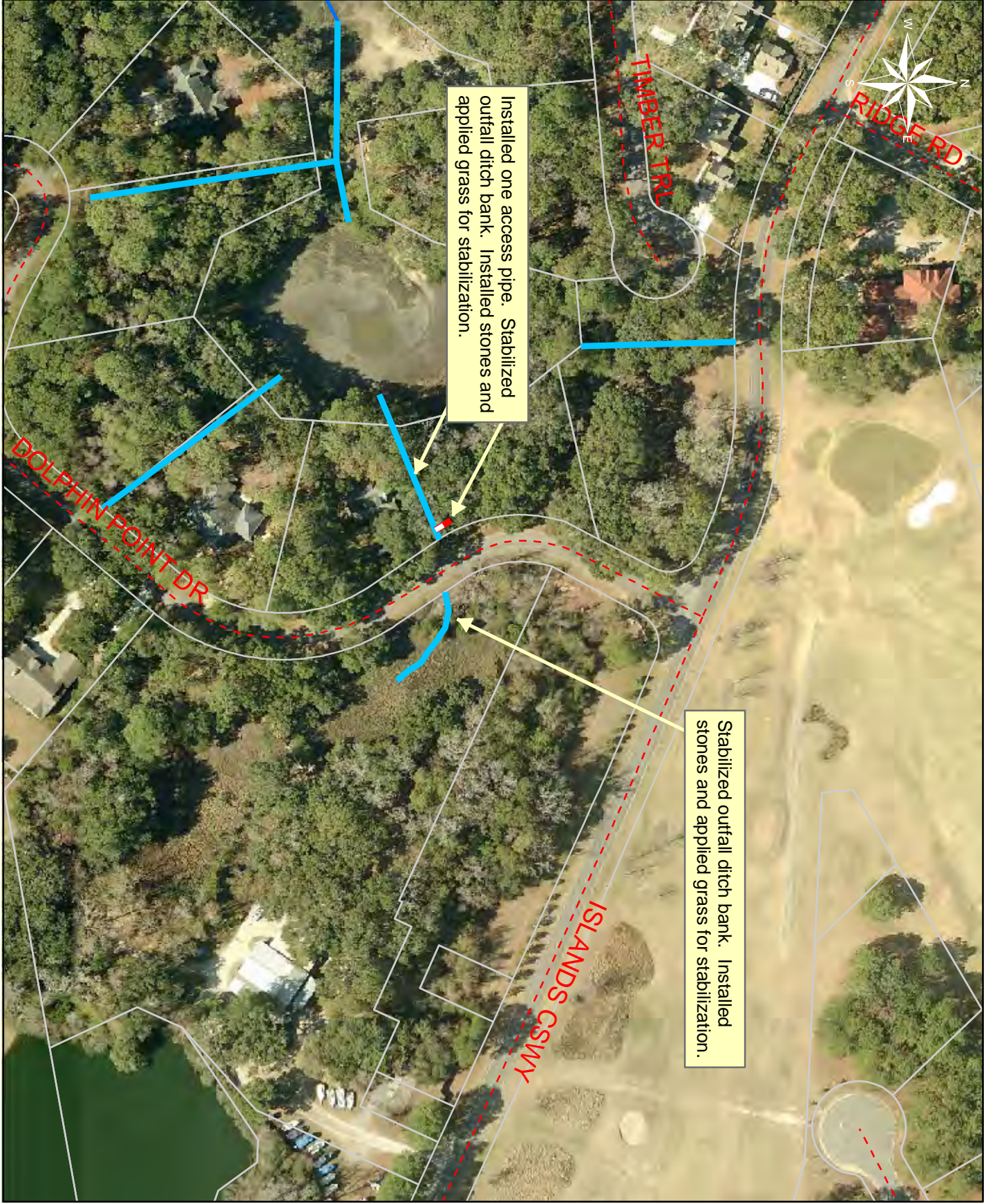


During



After





1 inch = 142 feet

Stabilized outfall ditch bank. Installed stones and applied grass for stabilization.

Installed one access pipe. Stabilized outfall ditch bank. Installed stones and applied grass for stabilization.

Legend

249

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

Project:
Dolphin Point Drive

Activity: Drainage
Maintenance

Project #:
2010-061

Township:
Lady's Island

Completed:
October 2009



Stormwater Utility

Project Report

Halifax Road Phase III

Project Number: 2009-164

Start Month/Year: July 2009

Completion Month/Year: October 2009

Project Cost: \$29,337

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: The tide cycle caused erosion to the ditch bank. Also there was standing water throughout the drainage system.

Resolution: This project cleared and cleaned out 600 feet of maintenance access and outfall ditch. The Utility also installed twin flap gates, 40 feet of outfall pipe, one access pipe, two property drain pipes, and one access gate. In addition, the Utility repaired a washout and installed stones and applied grass for stabilization.

Area Benefited: This project greatly reduced erosion and provided drainage for Halifax Road.

Before



During



After





1 inch = 105 feet

Project:
Halifax Road
Phase III

Activity: Drainage
Maintenance

Project #:
2009-164

Township:
St. Helena Island

Completed:
October 2009

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

Date Print: 6/16/10



Stormwater Utility

Project Report

Pleasant Point Drive Outfall

Project Number: 2006-30

Start Month/Year: August 2009

Completion Month/Year: October 2009

Project Cost: \$39,326

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: A portion of Pleasant Point Drive and adjacent properties flooded.

Resolution: This project cleared and reconstructed 460 feet of outfall ditch. The Utility also installed one property drain pipe, one access pipe, and one access gate. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This portion of the project alleviated flooding on a portion of Pleasant Point Drive.

Before



During



After





1 inch = 136 feet

Project:
Pleasant Point
Drive Outfall

Activity: Drainage
Maintenance

Project #:
2006-30

Township:
Lady's Island

Completed:
October 2010

Legend	
Drainage Type	
	River
	Stream
	Outfall
	Lateral
	Roadside
	Roadside Pipe
	Crossline
	DMV
	Access
	Piped
	Bleeder



Stormwater Utility

Project Report

Forest Field Subdivision - Clydesdale Circle

Project Number: 2010-083

Start Month/Year: November 2009

Completion Month/Year: November 2009

Project Cost: \$23,126

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: There was standing water in a portion of the roadside ditch and outfall ditch.

Resolution: This project cleaned out 80 feet of roadside ditch. The Utility also replaced one crossline pipe and two driveway pipes to correct elevation. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated standing water and provided drainage for portions of Clydesdale Circle, and Forest Field Road, and surrounding properties.

Before

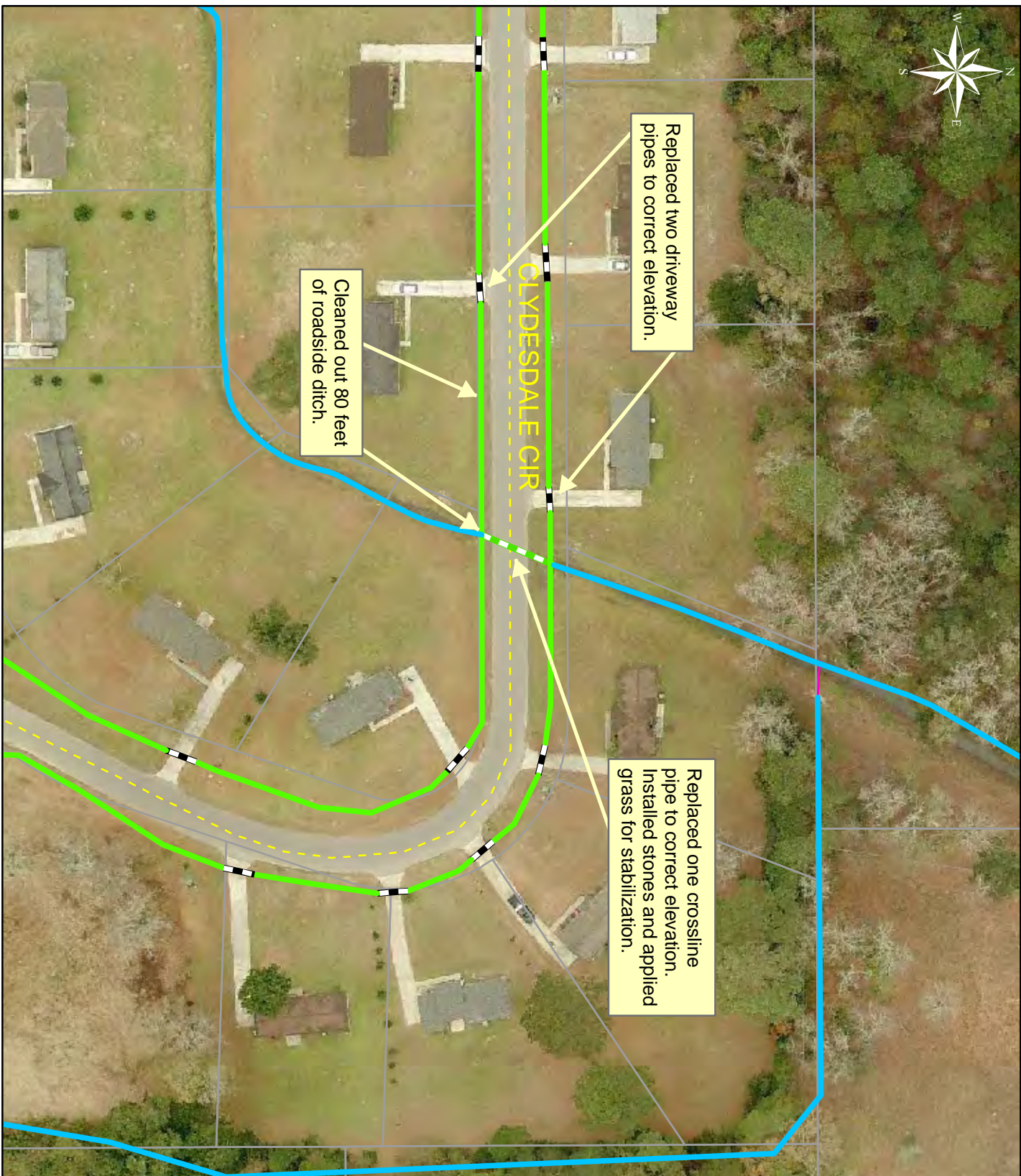


During



After





1 inch = 78 feet

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

Project:
 Forrest Field
 Subdivision -
 Clydesdale Circle

Activity: Ditch
 Maintenance

Project #:
 2010-083

Township:
 Port Royal Island

Completed:
 November 2009



Stormwater Utility

Project Report

Duncan Farms Outfall

Project Number: 2003-047

Start Month/Year: July 2009

Completion Month/Year: December 2009

Project Cost: \$144,612

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was flooding on Jasmine Hall Road and stagnant water in lateral ditches.

Resolution: This project cleared 2,250 feet of outfall ditch. The Utility also cleaned out 4,190 feet of roadside ditch, 4,550 feet of outfall ditch, 870 feet of lateral ditch, and reconstructed 1,520 feet of lateral ditch. In addition, the Utility installed twelve access pipes, nine property drain pipes, and two access gates. The Utility also replaced one driveway pipe and repaired one crossline pipe also, the Utility cleaned out two access pipes, three crossline pipes, and three driveway pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for the surrounding area and for the following surrounding roads: Jasmine Hall Road, portions of the Trask Parkway, Butler Farm Road, Haynes Trail, and Duncan Farms Lane.

Before



During



After



Project:
Duncan Farms
Outfall

Activity: Drainage
Maintenance

Project #:
2003-47

Township:
Sheldon

Completed:
December 2009

Legend

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

Replace one crossline pipe and replaced one driveway pipe. Installed twelve access pipes, nine property drain pipes and two access gates. Cleaned out two access pipes, three crossline pipes and three driveway pipes.

Cleaned out 4,550 feet of outfall ditch.

Cleaned out 870 feet of lateral ditch.

Cleared 860 feet of outfall ditch.

Reconstructed 870 feet of lateral ditch.

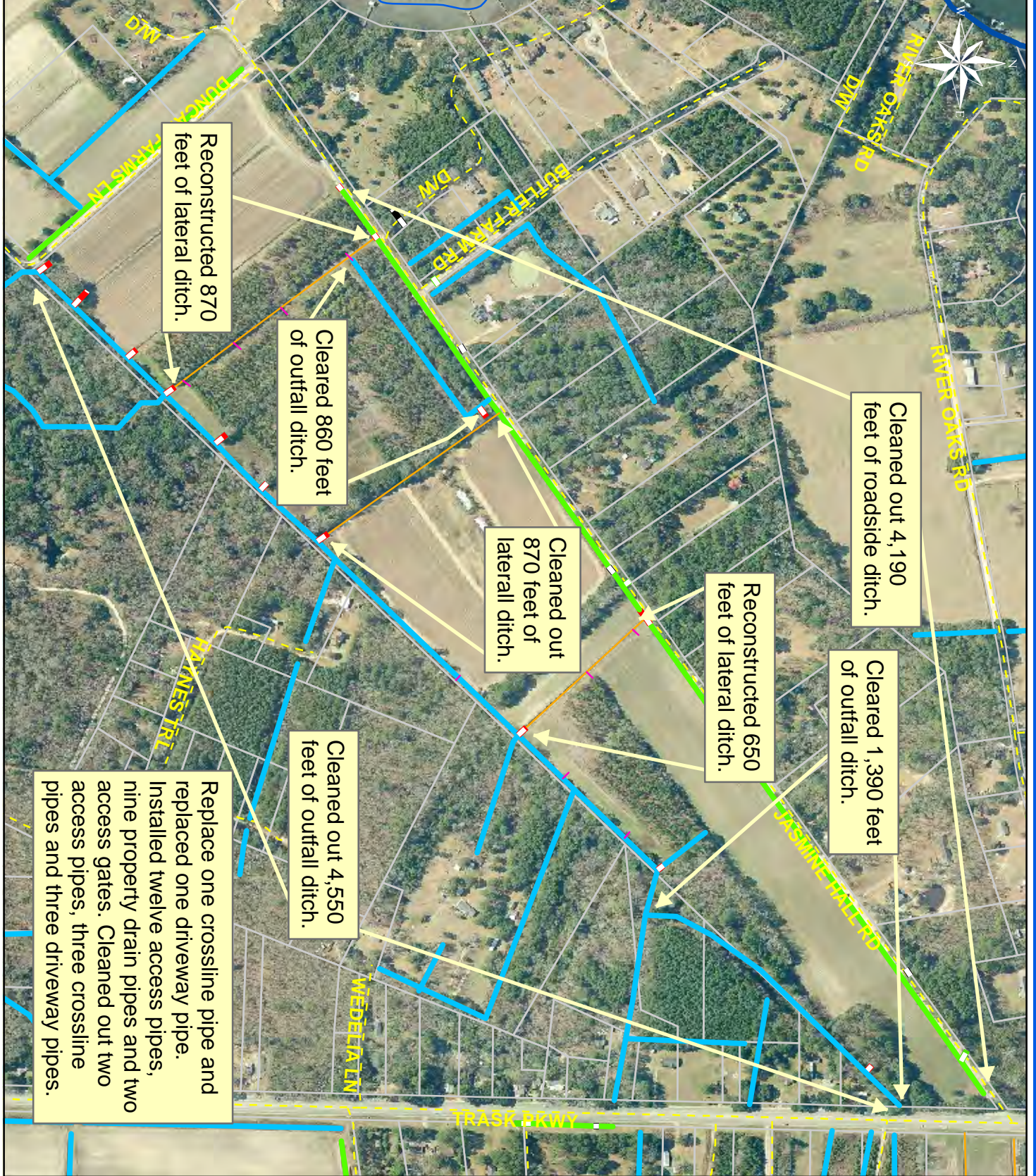
Reconstructed 650 feet of lateral ditch.

Cleared 1,390 feet of outfall ditch.

Cleaned out 4,190 feet of roadside ditch.



1 inch = 522 feet





Stormwater Utility

Project Report

Halifax Drive

Project Number: 2010-089

Start Month/Year: December 2009

Completion Month/Year: December 2009

Project Cost: \$21,024

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: Property owners needed access to their properties.

Resolution: This project installed twin access pipes and replaced two access pipes to correct elevation. The Utility also installed stones and applied grass for stabilization.

Area Benefited: This project provided access to the properties and a drainage system in this area. Also this project helped stabilize a portion of the ditch bank of the roadside ditch.

Before



During



After





Installed twin access pipes.
Installed stoned access pipes.
Installed grass for stabilization.

Replaced one access pipe
to correct elevation.

Replaced one access pipe
to correct elevation.

HALIFAX DR



Project:
Halifax Drive

Activity: Drainage
Maintenance

Project #:
2010-089

Township:
St. Helena Island

Completed:
December 2009

Legend

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



1 inch = 105 feet

Date Print: 8/11/10 and 12/5/11



Stormwater Utility

Project Report

Bruce K. Smalls Drive Outfall - Smith Road, Smalls Hill Road, Gamecock Way, Mulrain Road and Webb Road

Project Number: 2004-103

Start Month/Year: January 2010

Completion Month/Year: February 2010

Project Cost: \$28,546

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: The elevation for the existing drainage system had to be adjusted once Mulrain Road was paved. There was stagnant water throughout the outfall drainage system.

Resolution: This project mowed 1,590 feet of outfall ditch, cleaned out 2,220 feet of outfall ditch, and 150 feet of roadside ditch. The Utility also installed two property drain pipes, one access pipe, and extended one driveway pipe. Additionally, the Utility repaired washouts and cleaned out twelve catch basins, seven crossline pipes, 10 feet of outfall pipe, 380 feet of roadway pipes, and 250 feet of roadside pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for Smith Road, Smalls Hill Road, Gamecock Way, Mulrain Road, Webb Road, and portions of Bruce K. Smalls Drive.

Before

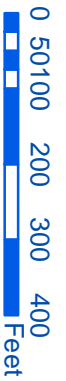


During

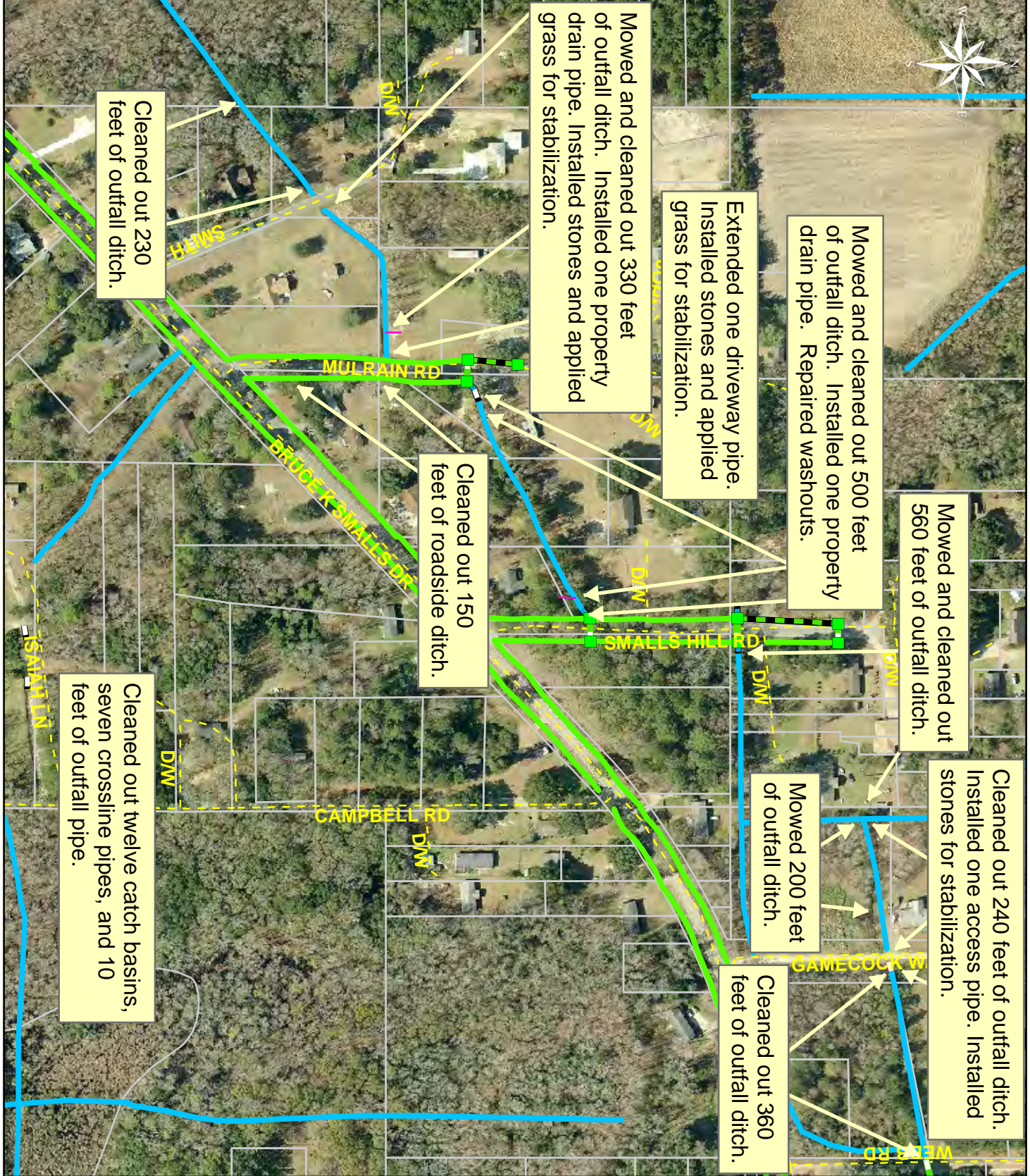


After





1 inch = 254 feet



Project:
Bruce K. Smalls
Drive Outfall, Game
Cock Way and
Webb Roads
Map 1

Activity: Drainage
Maintenance

Project #:
2004-103

Township:
Port Royal Island

Completed:
February 2010

Legend

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



1 inch = 97 feet

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

Project: Bruce K. Smalls Drive Outfall - Mulrain Road and Smalls Hill Road Map 2

Activity: Vacuum Truck

Project #: 2004-103

Township: Port Royal Island

Completed: February 2010

Date Print: 9/7/10



Stormwater Utility

Project Report

Royal Pines Outfall - Sam's Point Road

Project Number: 2010-112

Start Month/Year: January 2010

Completion Month/Year: February 2010

Project Cost: \$23,482

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: There was flooding of the Royal Pines golf course and adjacent properties.

Resolution: This project mowed 690 feet of outfall ditch and maintenance access. The Utility also cleaned out 1,460 feet of outfall ditch and applied grass for stabilization.

Area Benefited: This project alleviated the flooding.

Before



During

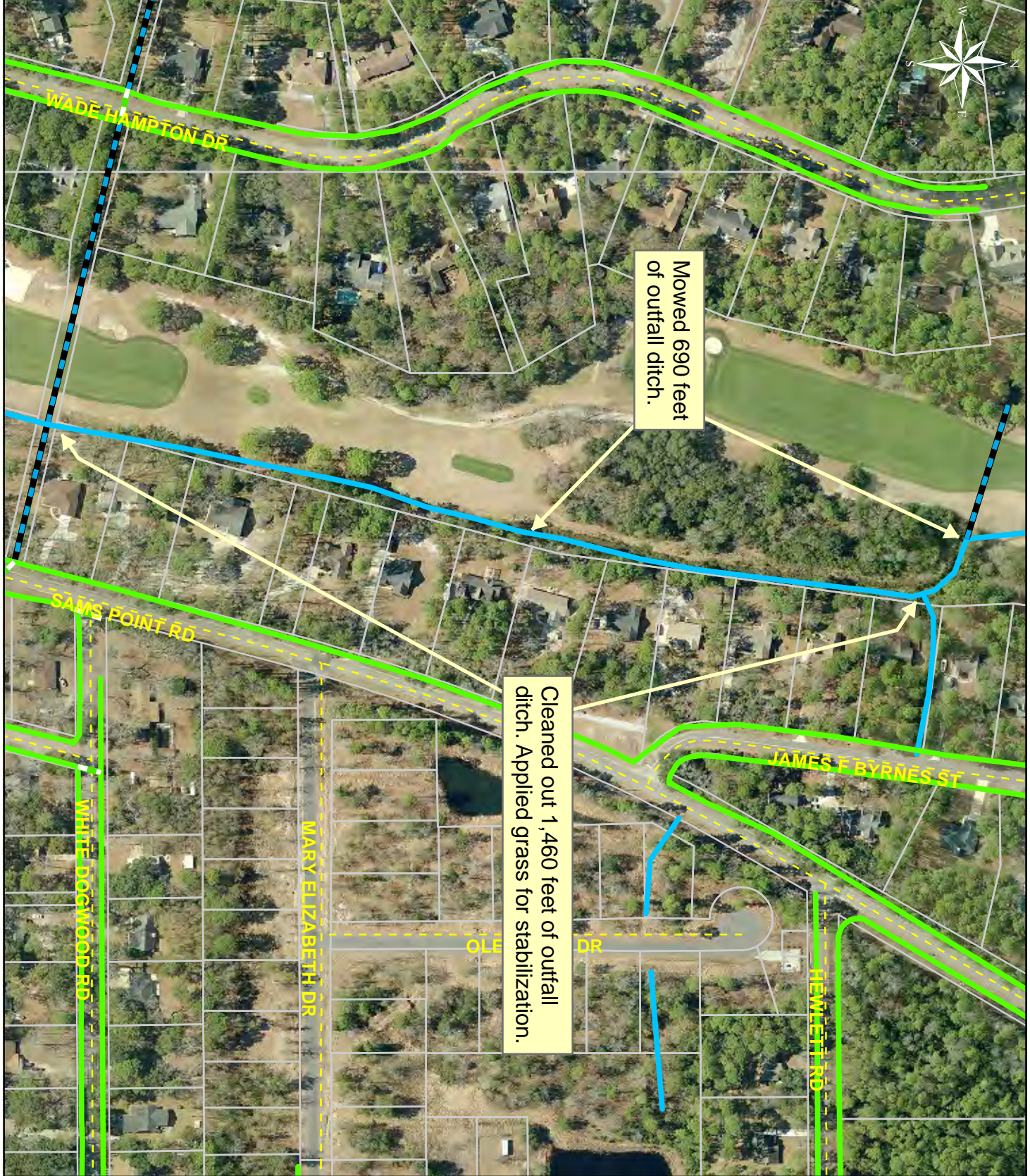


After





1 inch = 214 feet



Mowed 690 feet of outfall ditch.

Cleaned out 1,460 feet of outfall ditch. Applied grass for stabilization.

Project:
Royal Pines Outfall - Sam's Point Road

Activity: Drainage Maintenance

Project #:
2010-112

Township:
Lady's Island

Completed:
February 2010

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

Date Print: 8/24/10



Stormwater Utility

Project Report

The Avenue

Project Number: 2009-105

Start Month/Year: January 2010

Completion Month/Year: February 2010

Project Cost: \$28,755

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: This drainage system had not been cleaned out since the paving of The Avenue causing stagnant water in the roadside ditches.

Resolution: This project cleaned out 3,650 feet of roadside ditch. The Utility also installed two access pipes and cleaned out three access pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for The Avenue.

Before

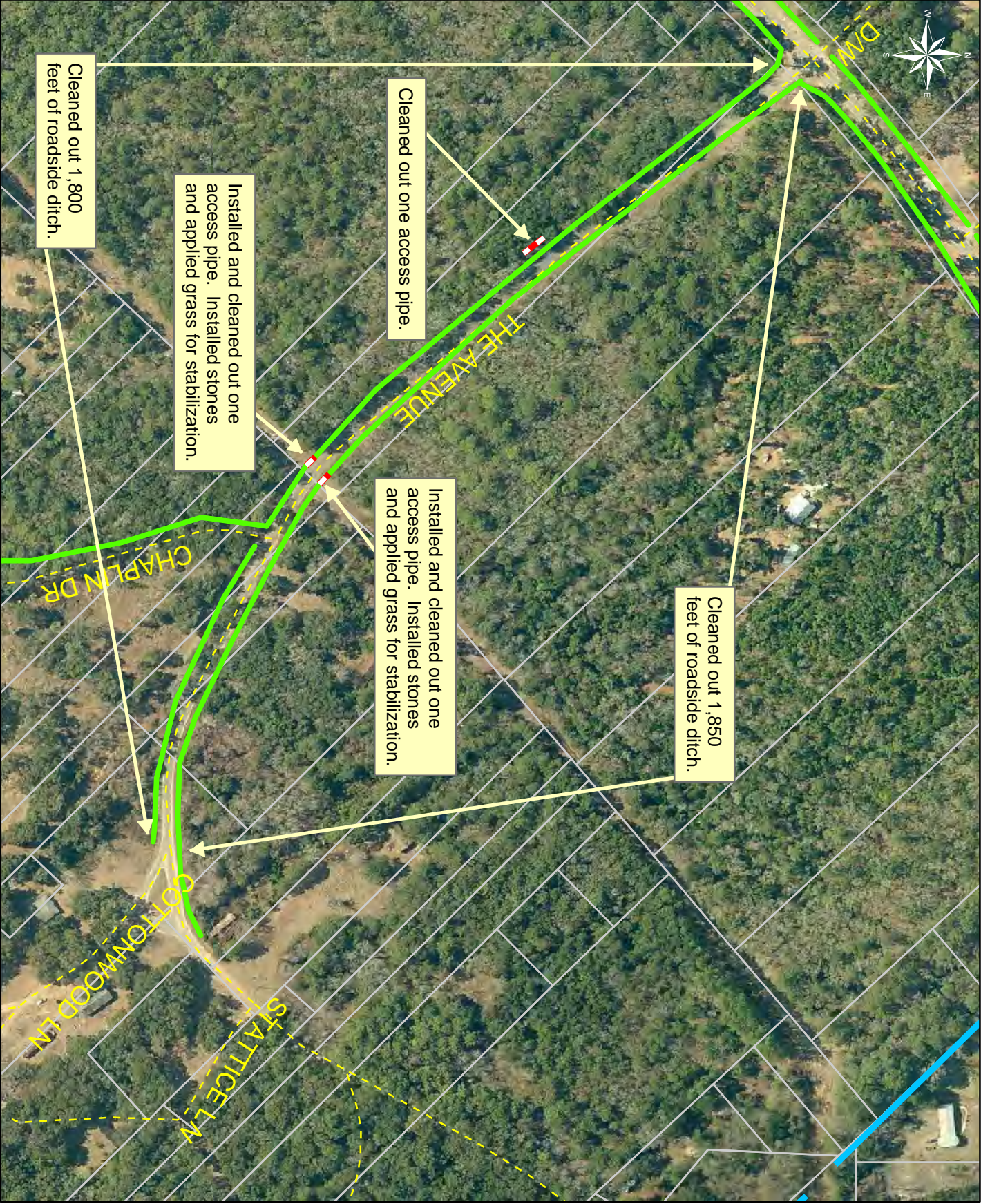


During



After





1 inch = 241 feet

Project:
The Avenue
Activity: Drainage Maintenance

Project #:
2009-105

Township:
St. Helena Island

Completed:
February 2010

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



Stormwater Utility

Project Report

Halifax Drive

Project Number: 2010-128

Start Month/Year: January 2010

Completion Month/Year: March 2010

Project Cost: \$65,953

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was flooding at the intersection of Halifax Drive and Ballpark Road and the surrounding area. A portion of Halifax Drive was impassable.

Resolution: This project cleaned out 3,100 feet of roadside ditch. The Utility also installed one crossline pipe and replaced three access pipes, one crossline pipe, and six driveway pipes to correct elevation. Additionally, the Utility cleaned out two crossline pipes and one access pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for portions of Halifax Drive and Ballpark Road.

Before



During



After



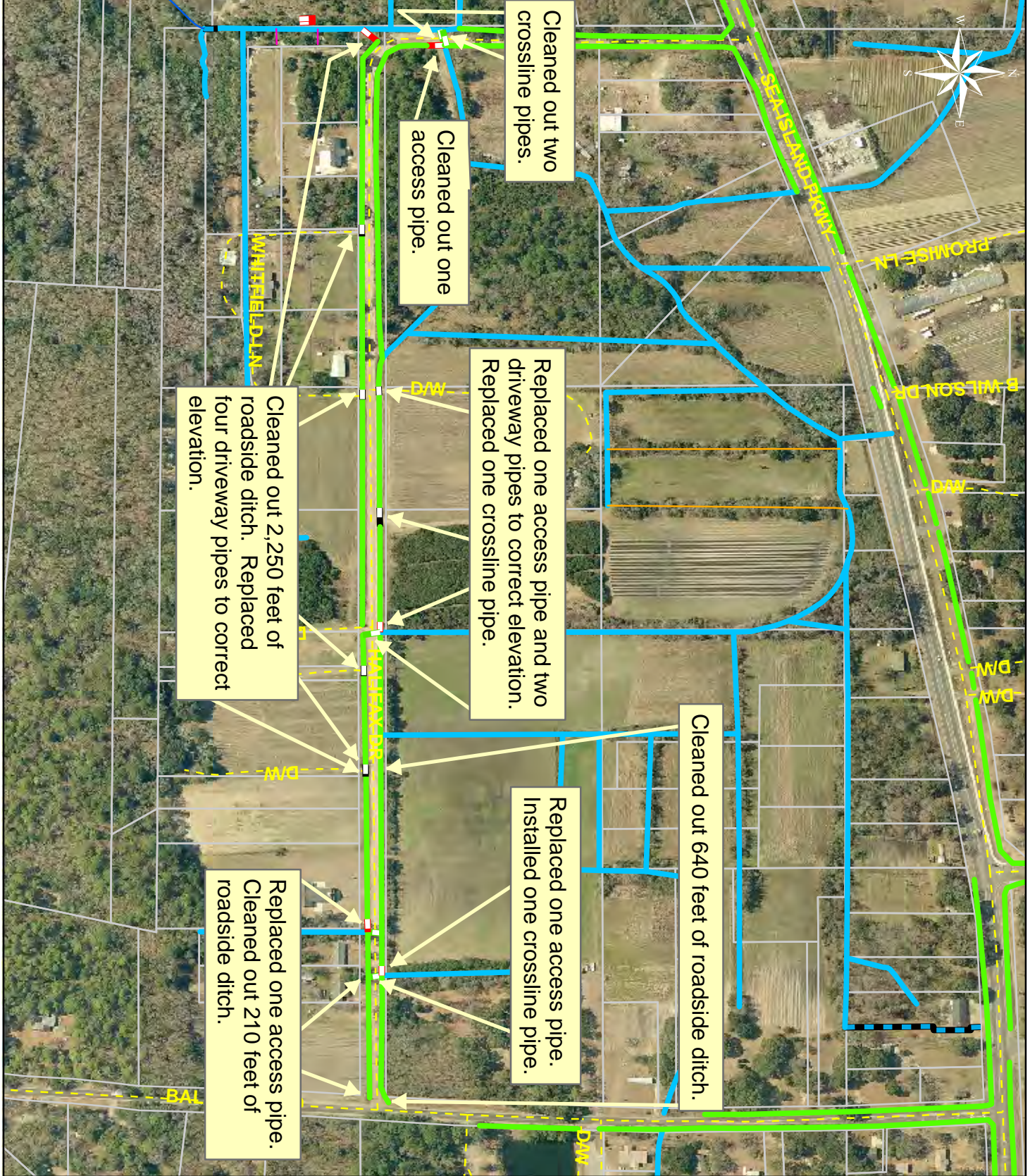
Project:
Halifax Drive

Activity: Drainage
Maintenance

Project #:
2010-128

Township:
St. Helena Island

Completed:
March 2010



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



Stormwater Utility

Project Report

Middlefield Circle and Middlefield Court

Project Number: 2010-154

Start Month/Year: February 2010

Completion Month/Year: March 2010

Project Cost: \$50,064

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: Middlefield Court was flooded and impassable. Also there was stagnant water in Middlefield Circle roadside ditches.

Resolution: This project removed blockage from flowline, cleaned out 200 feet of outfall ditch, cleaned out 6,920 feet of roadside ditch, and reconstructed 1,030 feet of roadside ditch. The Utility also installed two crossline pipes, one driveway pipe, and replaced one driveway pipe to correct elevation. Additionally, the Utility cleaned out four crossline pipes, one access pipe, and twelve driveway pipes. Lastly, the Utility installed stones for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Middlefield Court and Middlefield Circle.

Before

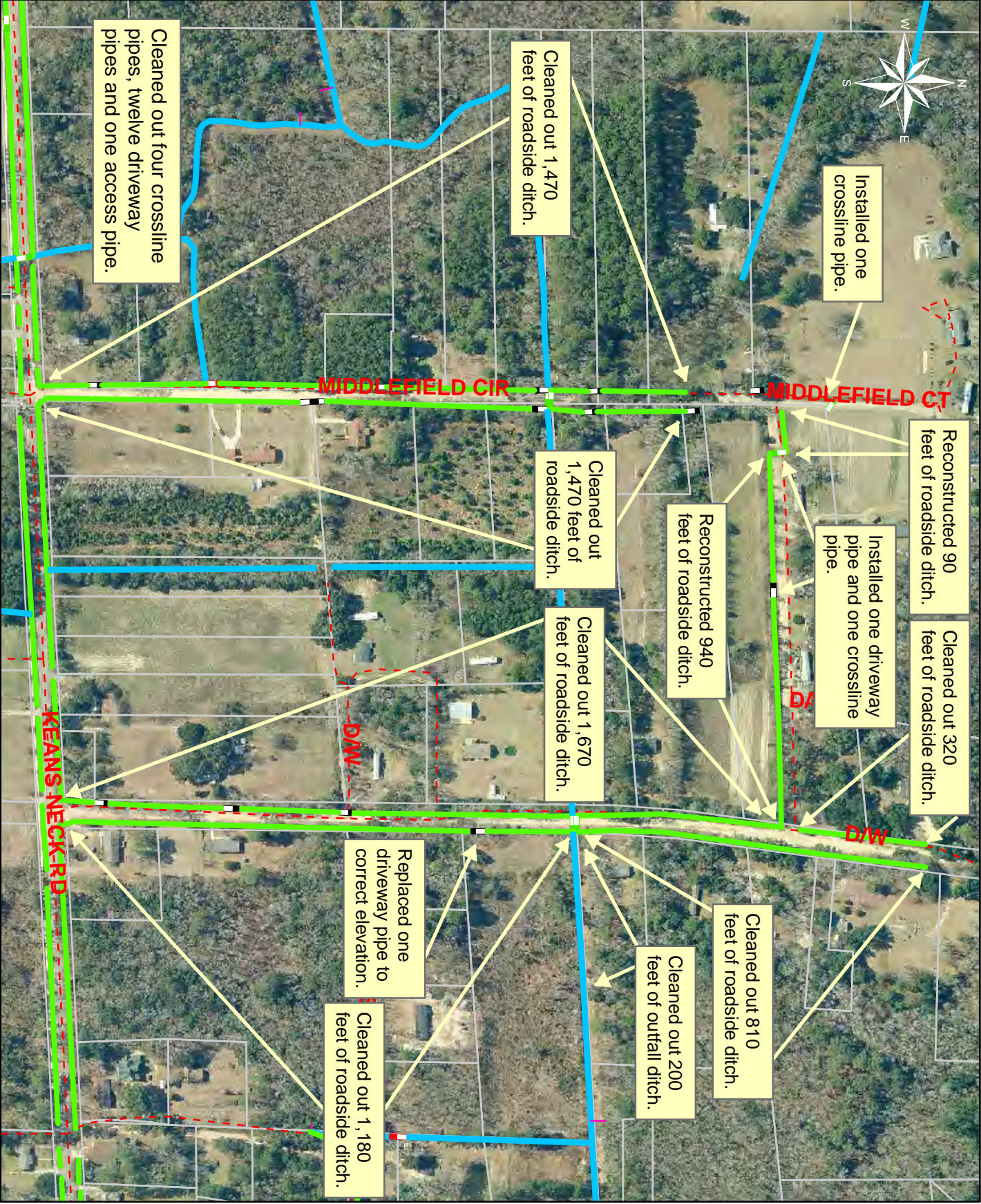


During



After





Project:
Middlefield Circle
and Middlefield
Court

Activity: Drainage
Maintenance

Project #:
2010-154

Township:
Sheldon

Completed:
March 2010

Legend

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



1 inch = 305 feet



Stormwater Utility

Project Report

Peaches Hill Circle

Project Number: 2010-027

Start Month/Year: September 2009

Completion Month/Year: March 2010

Project Cost: \$29,211

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was a hole in the road caused by a driveway pipe with a separated joint. Also the outfall ditches were silted.

Resolution: This project mowed 5,390 feet of outfall ditch and cleaned out 1,310 feet of outfall ditch. The Utility also replaced one access pipe and one driveway pipe. Additionally, the Utility repaired a washout and installed stones for stabilization.

Area Benefited: This project provided drainage for portions of Peaches Hill Circle and surrounding properties.

Before



During



After



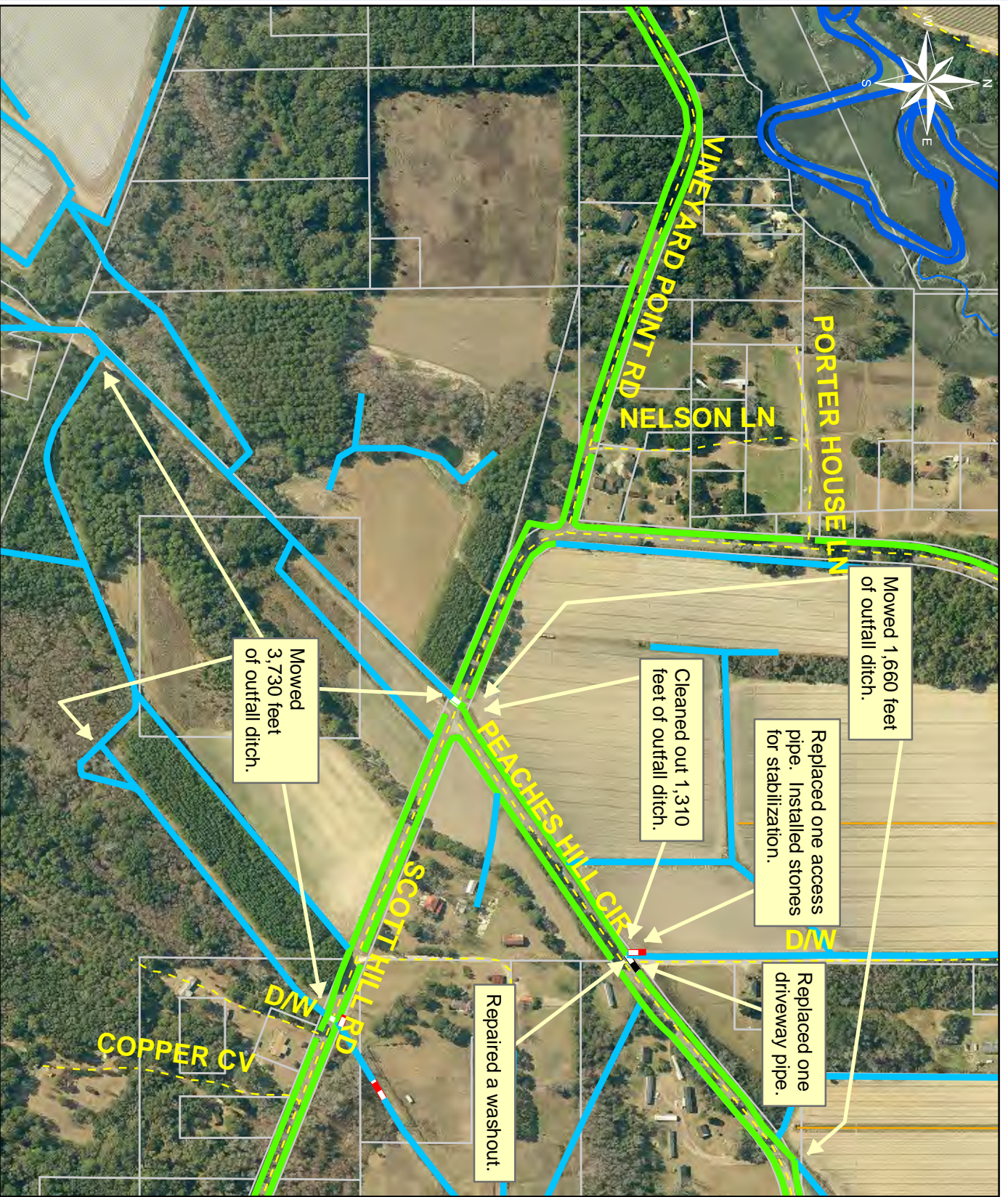
Project:
Peaches Hill Circle

Activity: Drainage
Maintenance

Project #: 2010-027

Township:
St. Helena Island

Completed:
March 2010



Legend

Drainage Type	Symbol
River	Blue line
Stream	Light blue line
Outfall	Yellow line
Lateral	Orange line
Roadside	Green line
Roadside Pipe	Green dashed line
Crossline	Green dashed line
D/W	Black dashed line
Access	Red and white dashed line
Piped	Blue and black dashed line
Bleeder	Pink line
Parcels	White outline



Stormwater Utility

Project Report

Prescott Road

Project Number: 2004-86

Start Month/Year: January 2010

Completion Month/Year: March 2010

Project Cost: \$42,002

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During heavy rain events, Prescott Road would flood adjacent properties.

Resolution: This project cleared and cleaned out 1,110 feet of outfall ditch and maintenance access and constructed 710 feet of roadside ditch. The Utility also installed one crossline pipe and 20 feet of roadside pipe. Additionally, the Utility reinstalled one access pipe, repaired one crossline pipe, and cleaned out one access pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Solomon White Lane, a portion of Prescott Road, and surrounding properties.

Before



During

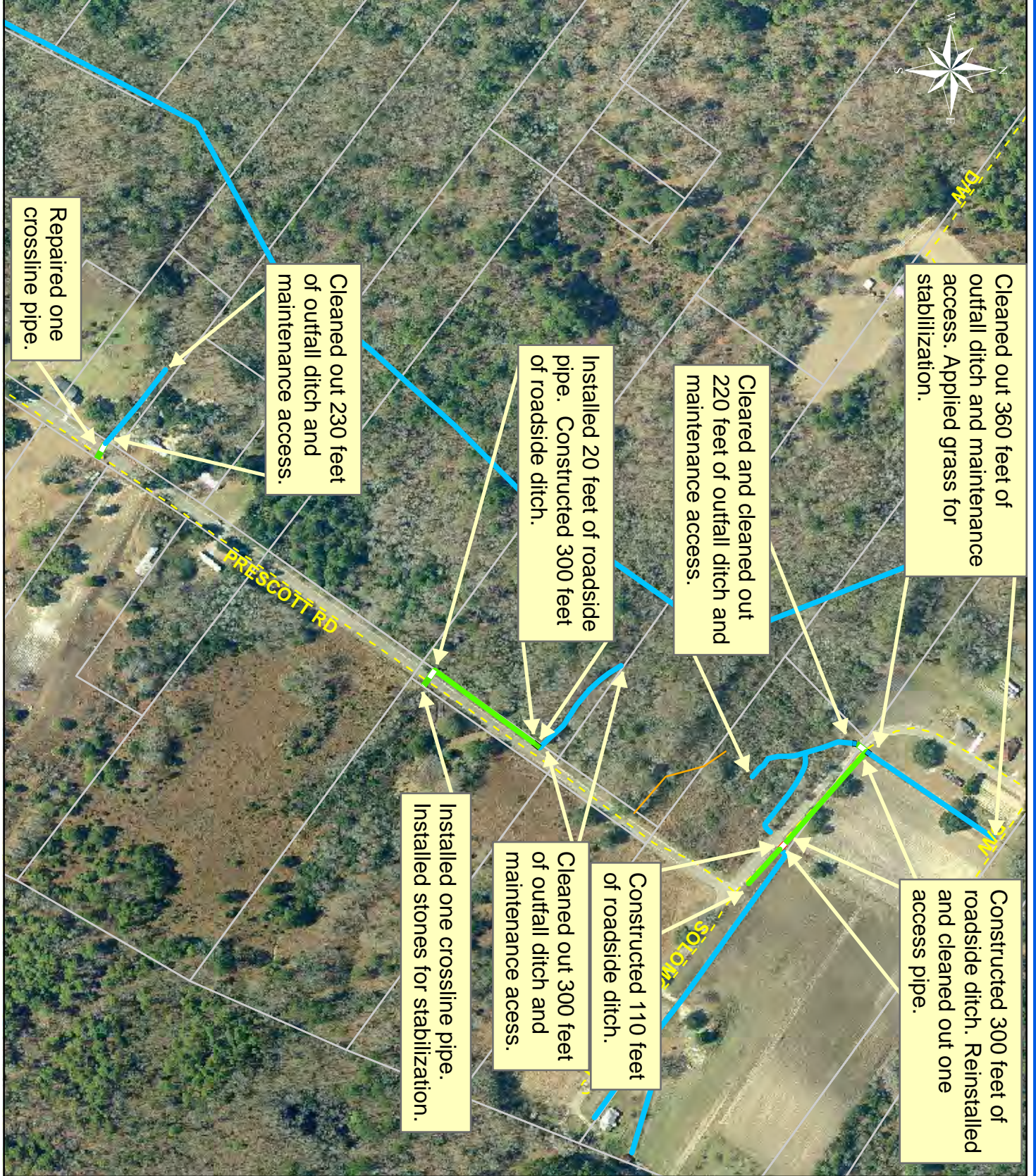


After





1 inch = 331 feet



Cleaned out 360 feet of outfall ditch and maintenance access. Applied grass for stabilization.

Cleared and cleaned out 220 feet of outfall ditch and maintenance access.

Installed 20 feet of roadside pipe. Constructed 300 feet of roadside ditch.

Cleaned out 230 feet of outfall ditch and maintenance access.

Repaired one crossline pipe.

Constructed 300 feet of roadside ditch. Reinstalled and cleaned out one access pipe.

Constructed 110 feet of roadside ditch.

Cleaned out 300 feet of outfall ditch and maintenance access.

Installed one crossline pipe. Installed stones for stabilization.

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

Project: Prescott Road
Activity: Drainage Maintenance
Project #: 2004-86
Township: Sheldon
Completed: March 2010



Stormwater Utility

Project Report

Royal Pines Subdivision - Thomas Sumpter Street

Project Number: 2010-167

Start Month/Year: February 2010

Completion Month/Year: March 2010

Project Cost: \$45,807

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: There was flooding on Gator Lane and adjacent properties and stagnant water throughout the drainage system.

Resolution: This project removed debris from the flowline and the pond was pumped to reduce the pond water level. The Utility cleared and reconstructed 230 feet of maintenance access and cleaned out 2,260 feet of outfall ditch and 520 feet of roadside ditch. The Utility also installed one property drain pipe and replaced two driveway pipes to correct elevation. Additionally, the Utility cleaned out three catch basins, six crossline pipes, one driveway pipe, 180 feet of roadside pipe, and 190 feet of outfall pipe. Lastly, the Utility installed stones and grass and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Gator Lane, and portions of Miller Road and Thomas Sumpter Street, and a portion of the Royal Pines Golf Course.

Before



During



After





Project:
 Royal Pines
 Subdivision - Thomas
 Sumpter Street

Activity: Drainage
 Maintenance

Project #:
 2010-167

Township:
 Lady's Island

Completed:
 March 2010

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



1 inch = 490 feet

Date Print: 2/18/11



Stormwater Utility

Project Report

Shed Road

Project Number: 2010-163

Start Month/Year: March 2010

Completion Month/Year: March 2010

Project Cost: \$27,706

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: During the spring, tide water would inundate the system, but would not drain back out to the creek.

Resolution: This project removed the blockage from the flowline and cleaned out 2,230 feet of roadside ditch. The Utility also replaced one access pipe, one driveway pipe to correct elevation, and extended one crossline pipe. Additionally, the Utility cleaned out three driveway pipes, one crossline pipe, and one access pipe. Lastly, the Utility installed stones for stabilization.

Area Benefited: This project alleviated standing water in the roadside ditches and provided drainage for Shed Road and portions of the Sea Island Parkway and Fripp Point Road.

Before



During



After



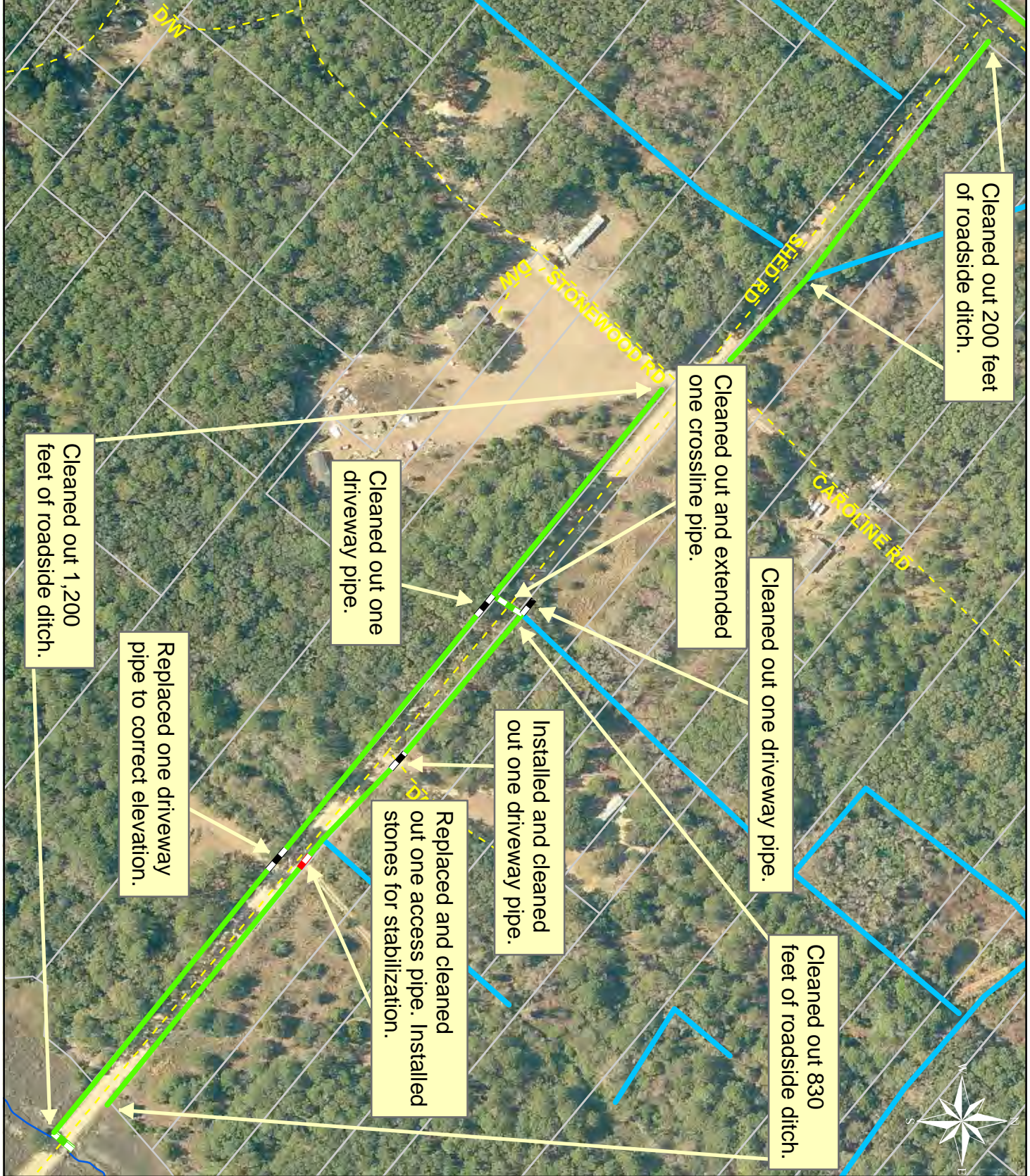
Project:
Shed Road

Activity: Drainage
Maintenance

Project #:
2010-163

Township:
St. Helena Island

Completed:
March 2010



1 inch = 209 feet

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

Date Print: 10/7/10



Stormwater Utility

Project Report

Twickenham Plantation Road and Swallowtail Lane

Project Number: 2007-98

Start Month/Year: August 2008

Completion Month/Year: March 2010

Project Cost: \$292,027

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During heavy rain events, Swallowtail Lane and surrounding properties would flood.

Resolution: This project cleared 7,870 feet of outfall ditch and maintenance access and 730 feet of roadside ditch. The Utility also cleared an additional 400 feet of maintenance access and constructed 7,070 feet of outfall ditch and maintenance access. In addition, the Utility cleaned out 1,050 feet of outfall ditch and 840 feet of roadside ditch. The Utility also installed eight access pipes, seven property drain pipes, five crossline pipes, upsized one crossline pipe to correct elevation, extended one access pipe, and cleaned out one crossline pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Swallowtail Lane and portions of Alice Ladson Drive and Newberry Circle.

Before



During

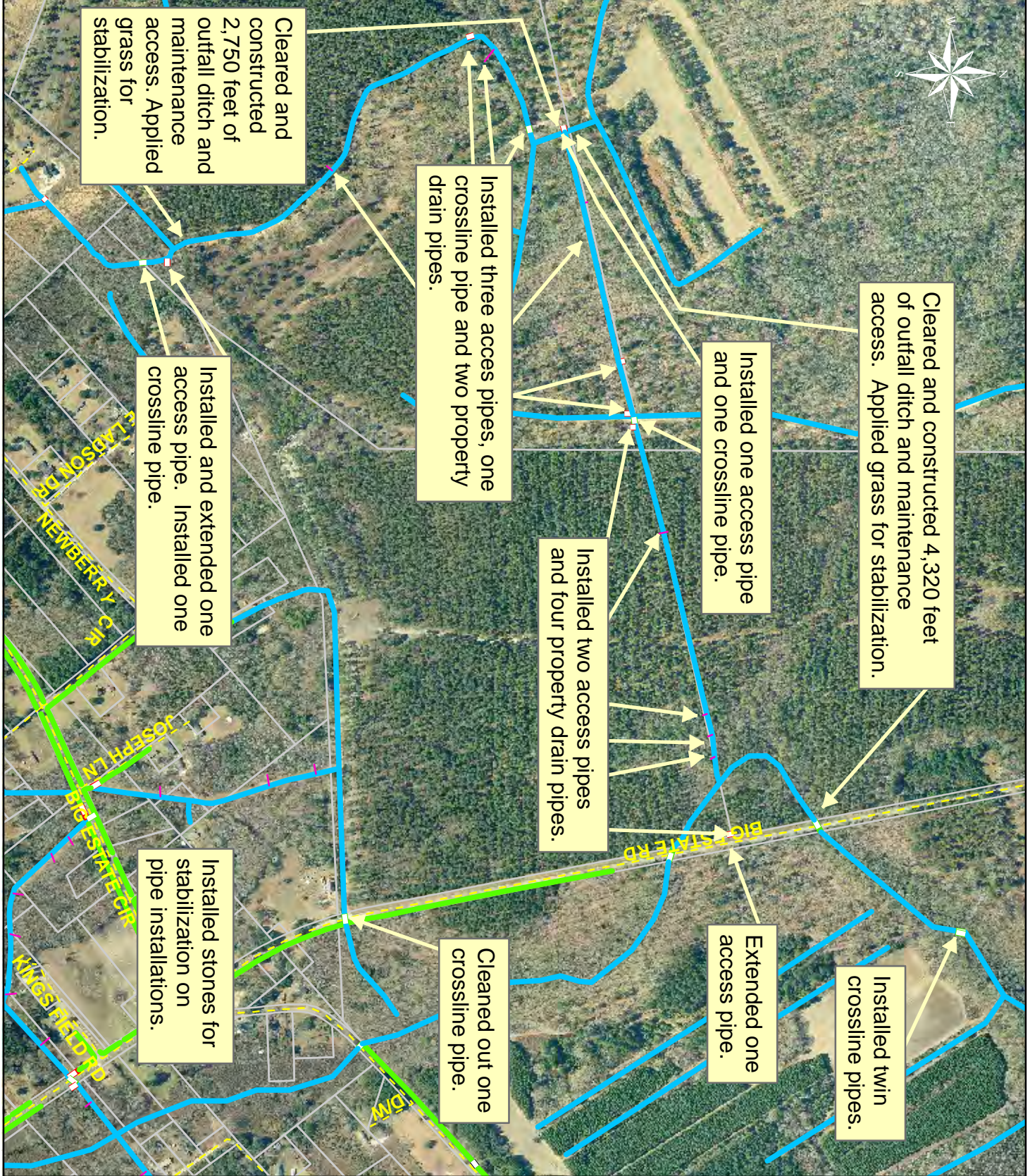


After





1 inch = 717 feet



Cleared and constructed 4,320 feet of outfall ditch and maintenance access. Applied grass for stabilization.

Installed one access pipe and one crossline pipe.

Installed three access pipes, one crossline pipe and two property drain pipes.

Cleared and constructed 2,750 feet of outfall ditch and maintenance access. Applied grass for stabilization.

Installed and extended one access pipe. Installed one crossline pipe.

Installed two access pipes and four property drain pipes.

Installed twin crossline pipes.

Extended one access pipe.

Cleaned out one crossline pipe.

Installed stones for pipe stabilization on pipe installations.

Legend

Drainage Type

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

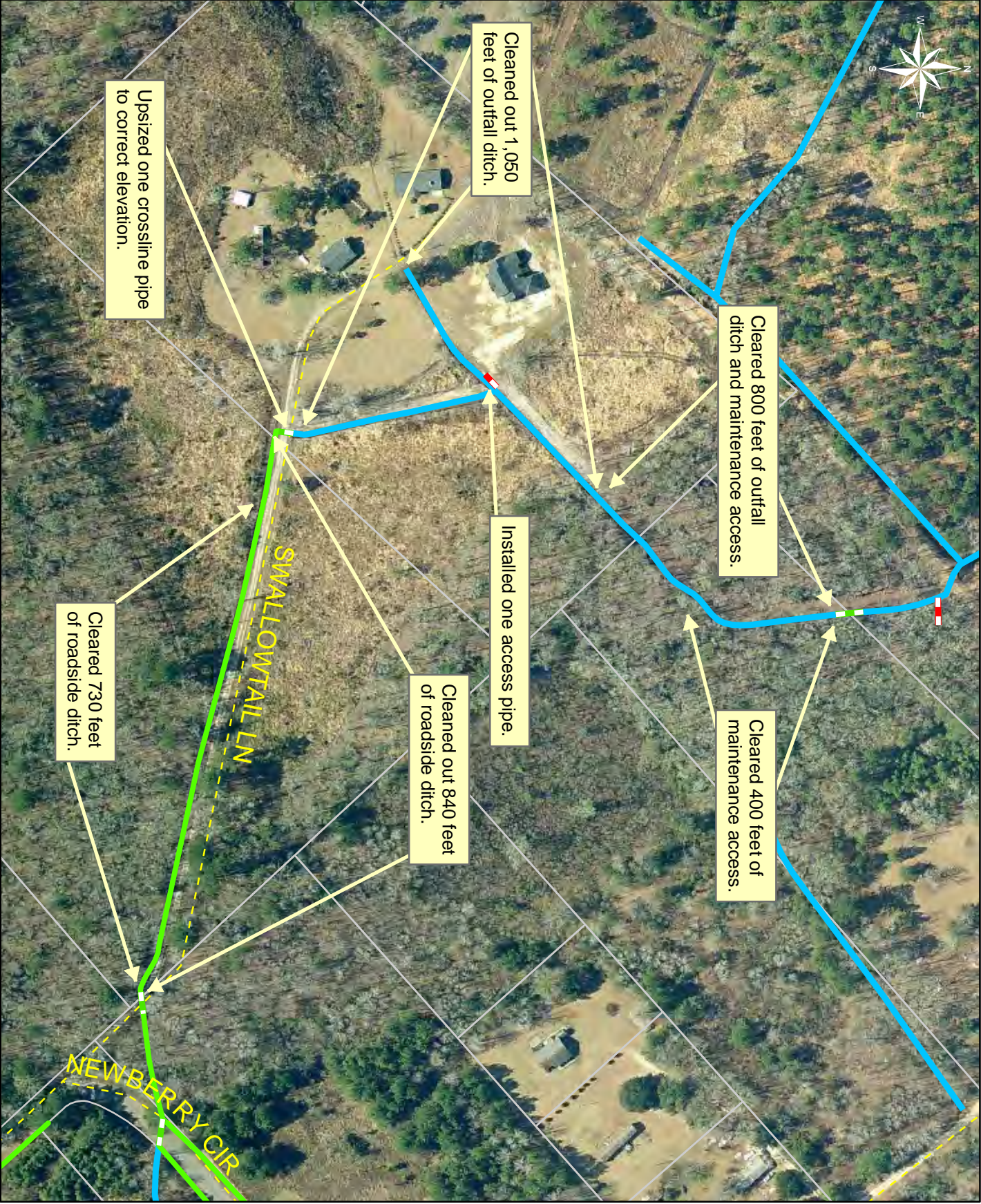
Project:
Twickenham
Plantation Road
and Swallowtail Lane
Phase I & II
Map 1

Activity: Drainage
Maintenance

Project #:
2007-98

Township:
Sheldon

Completed:
March 2010



Project:
 Twickenham
 Plantation Road
 and Swallowtail Lane
 Phase I & II
 Map 2

Activity: Drainage
 Maintenance

Project #:
 2007-98

Township:
 Sheldon

Completed:
 March 2010

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



Stormwater Utility

Project Report

Cape Jasmine Street

Project Number: 2010-204

Start Month/Year: March 2010

Completion Month/Year: April 2010

Project Cost: \$22,002

Tax District: 100 - Port Royal Island

Council District: 4

Drainage/Water Quality Issue: There was flooding at the intersection of Cape Jasmine Street and Gilbert Road and surrounding properties.

Resolution: This project cleaned out 710 feet of outfall ditch and 1,400 feet of roadside ditch. The Utility also replaced one access pipe and reinstalled one access pipe. Lastly, the Utility installed stones for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Spirea Lane, Zinnia Lane, Abelia Lane, Cape Jasmine Street, and portions of Gilbert Road and the Village Park Subdivision.

Before



During

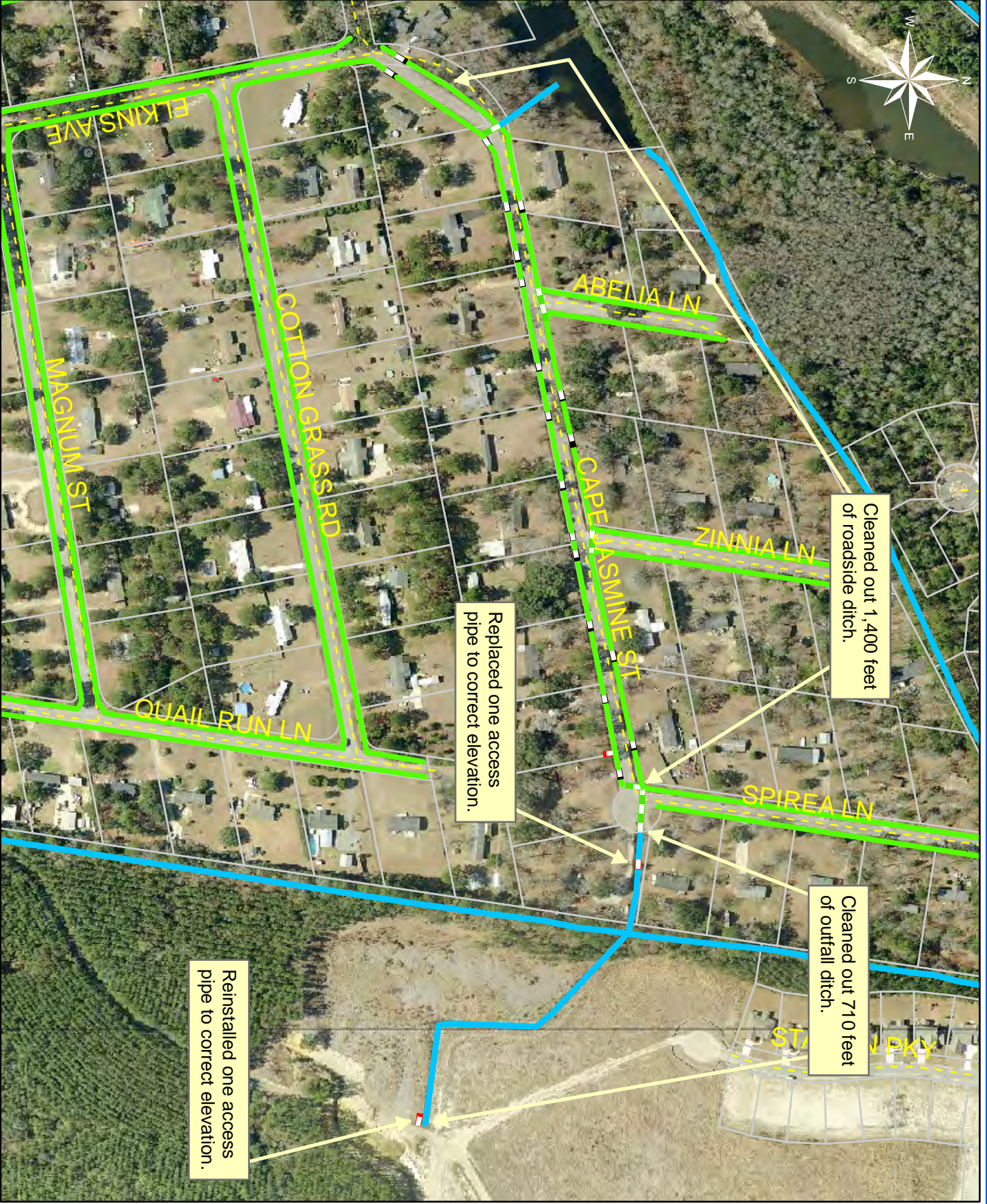


After





1 inch = 279 feet



Project:
Cape Jasmine Street

Activity: Drainage Maintenance

Project #:
2010-204

Township:
Bluffton

Completed:
April 2010

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



Stormwater Utility

Project Report

Ephraim Road Outfall

Project Number: 2010-082

Start Month/Year: November 2009

Completion Month/Year: April 2010

Project Cost: \$92,097

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was standing water throughout the drainage system and erosion to the ditch bank near the outfall end of the system because the flap gates deteriorated and were not controlling the tidal water from flooding the system.

Resolution: This project mowed 8,250 feet of outfall ditch and cleaned out 7,870 feet of outfall ditch. The Utility also installed one access pipe, two bleeder pipes, and replaced twin flap gates and 80 feet of outfall pipe. In addition, the Utility cleaned out five crossline pipes and one access pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This alleviated standing water and provided drainage for portions of Ephraim Road and Seaside Road.

Before



During



After



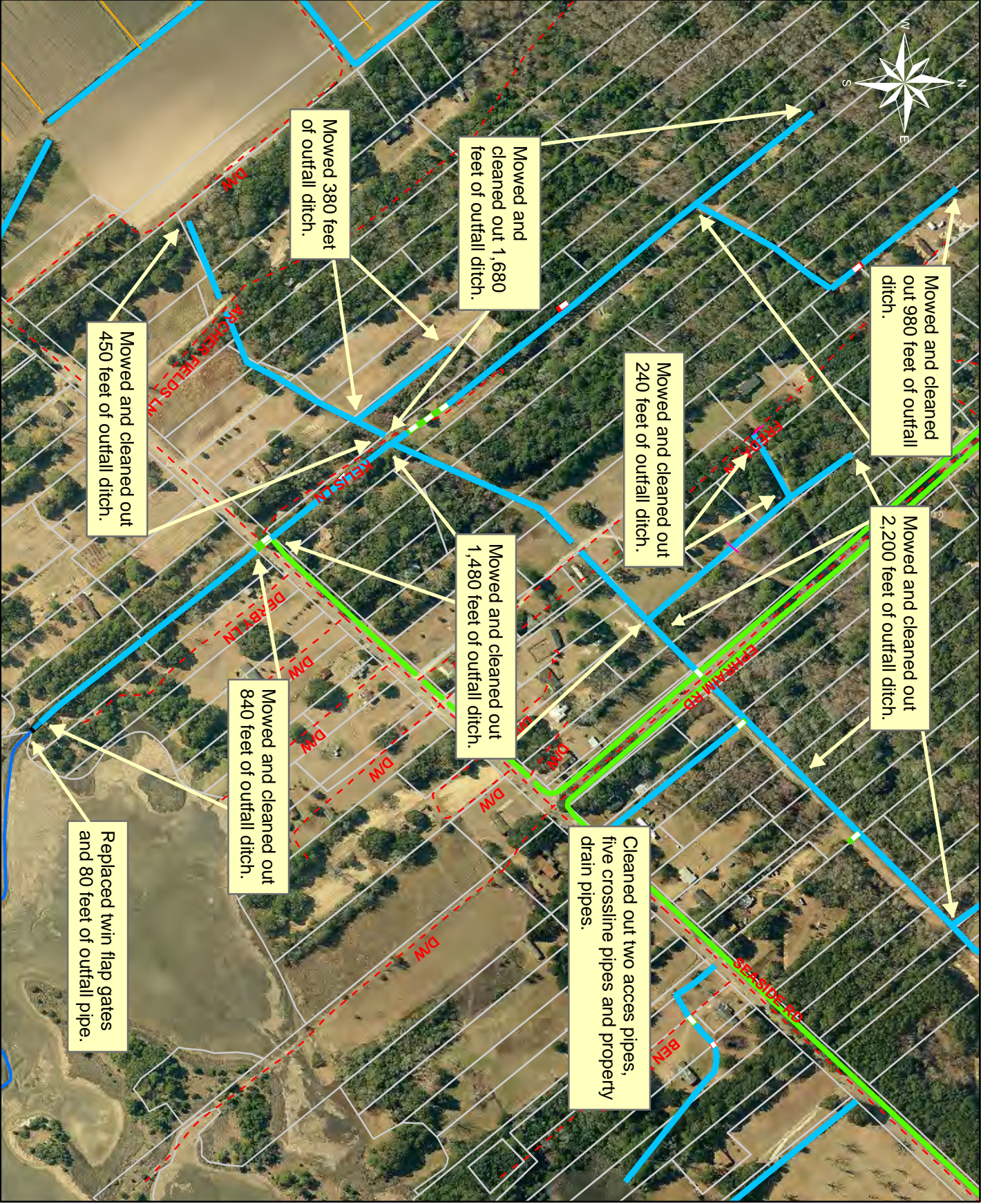
Project:
Ephraim Road
Outfall

Activity: Drainage
Maintenance

Project #:
2010-082

Township:
St. Helena Island

Completed:
April 2010



Legend 285

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



1 inch = 416 feet



Stormwater Utility

Project Report

Kinlaw Lane

Project Number: 2010-152

Start Month/Year: February 2010

Completion Month/Year: April 2010

Project Cost: \$31,299

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During a heavy rain event, Kinlaw Road flooded and was impassable. The County Administrator approved this construction project on a private road.

Resolution: This project cleared 1,500 feet of roadside ditch and cleaned out 1,700 feet of roadside ditch.

Area Benefited: This project alleviated flooding and repaired the road.

Before



During



After





1 inch = 226.51 feet

Project:
Kinlaw Lane
(Private Property)

Activity: Drainage
Emergency

Project #:
2010-152

Township:
Sheldon

Completed:
April 2010

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



Stormwater Utility

Project Report

Wimbee Landing Road

Project Number: 2010-158

Start Month/Year: February 2010

Completion Month/Year: April 2010

Project Cost: \$30,324

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: The adjacent properties to Wimbee Landing Road were flooding because the wetlands in the area were not properly draining.

Resolution: This project removed blockage from the flowline and cleaned out 4,080 feet of roadside ditch. The Utility also replaced two access pipes and cleaned out three crossline pipes, two driveway pipes, and four access pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for the following surrounding roads: portions of Wimbee Landing Road, Community Center Road, and Bear Swamp Road.

Before



During



After
















Project:
Wimbree Landing
Road

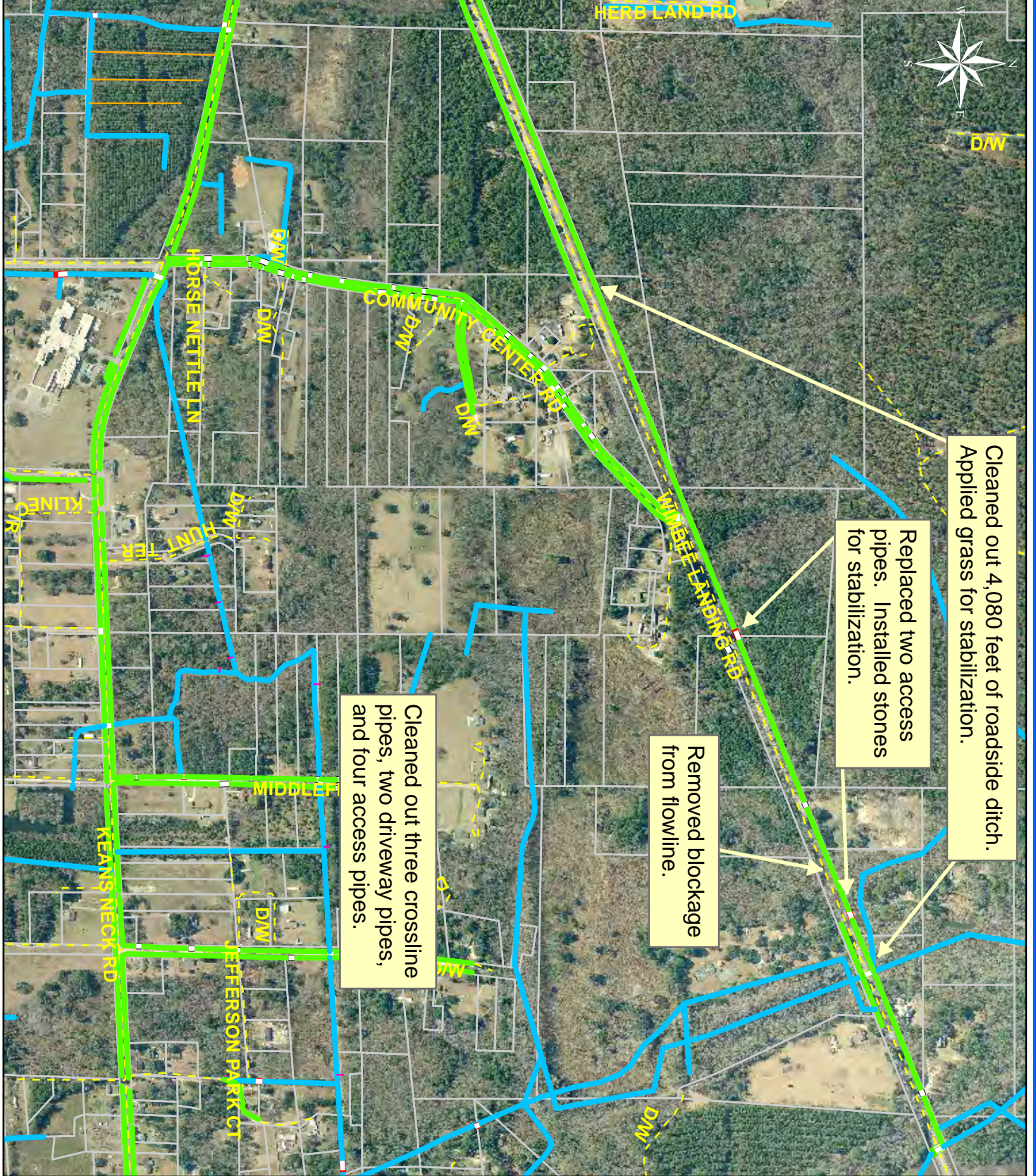
Activity: Drainage
Maintenance

Project #:
2010-158

Township:
Sheldon

Completed:
April 2010

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



0 285 570 1,140 1,710 2,280 Feet

1 inch = 771 feet

Date Print: 10/22/10



Stormwater Utility

Project Report

Burton Wells Park Ph I

Project Number: 2010-074

Start Month/Year: October 2009

Completion Month/Year: May 2010

Project Cost: \$135,611

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: There was stagnant water in the drainage system.

Resolution: This project cleared 2,870 feet of outfall ditch and maintenance access, reconstructed 2,360 feet of outfall ditch, cleaned out 5,190 feet of outfall ditch and 1,620 feet of roadside ditch. The Utility also cleaned out, re-sloped, and stabilized 340 feet of pond area. Additionally, the Utility installed seven property drain pipes, six access pipes, and five access gates. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project allowed drainage for Burton Wells Recreational Complex and the following surrounding roads: portions of Burton Wells Road, Pine Grove Road, Laurel Drive East, and Laurel Drive West.

Before

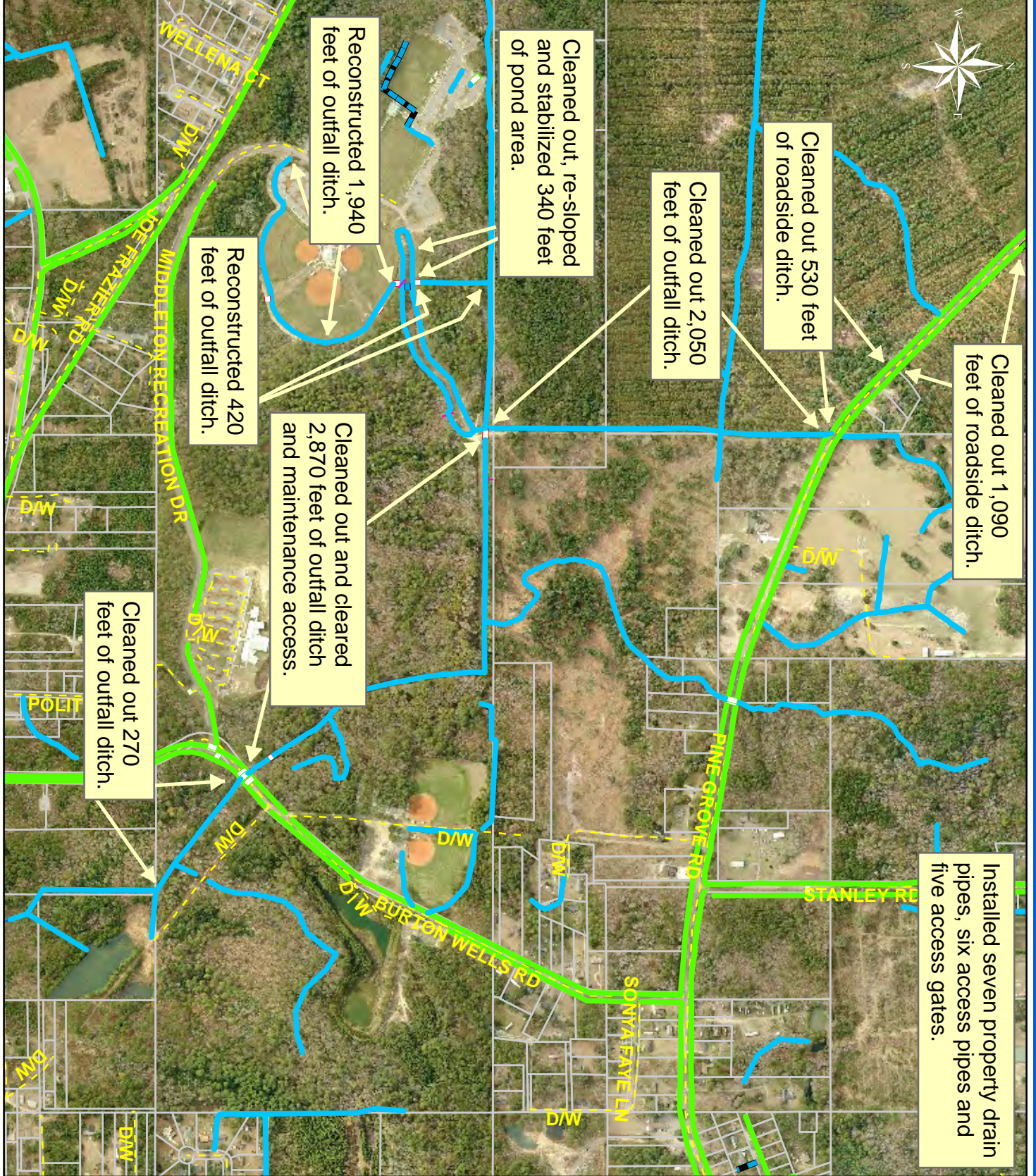


During



After





Cleaned out 1,090 feet of roadside ditch.

Cleaned out 530 feet of roadside ditch.

Cleaned out 2,050 feet of outfall ditch.

Cleaned out, re-sloped and stabilized 340 feet of pond area.

Reconstructed 1,940 feet of outfall ditch.

Reconstructed 420 feet of outfall ditch.

Cleaned out and cleared 2,870 feet of outfall ditch and maintenance access.

Cleaned out 270 feet of outfall ditch.

Installed seven property drain pipes, six access pipes and five access gates.

Project:
Burton Wells Park
Outfall Phase I

Activity: Drainage
Maintenance

Project #:
2010-074

Township:
Port Royal Island

Completed:
May 2010

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



1 inch = 796 feet

Date Print: 10/5/10



Stormwater Utility

Project Report

Forest Field Subdivision - Providence Road

Project Number: 2010-196

Start Month/Year: April 2010

Completion Month/Year: May 2010

Project Cost: \$32,008

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: There was standing water in the outfall ditch.

Resolution: This project mowed 2,090 feet of maintenance access and 2,440 feet of outfall ditch, and cleaned out 2,440 feet of outfall ditch. The Utility also installed and extended one access pipe. Additionally, the Utility cleaned out two catch basins, one crossline pipe, and 20 feet of outfall pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the standing water and provided drainage for Providence Road and portions of Clydesdale Circle and Quarterhorse Drive.

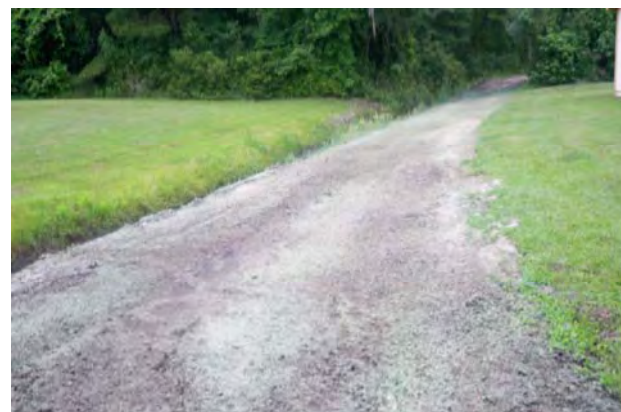
Before

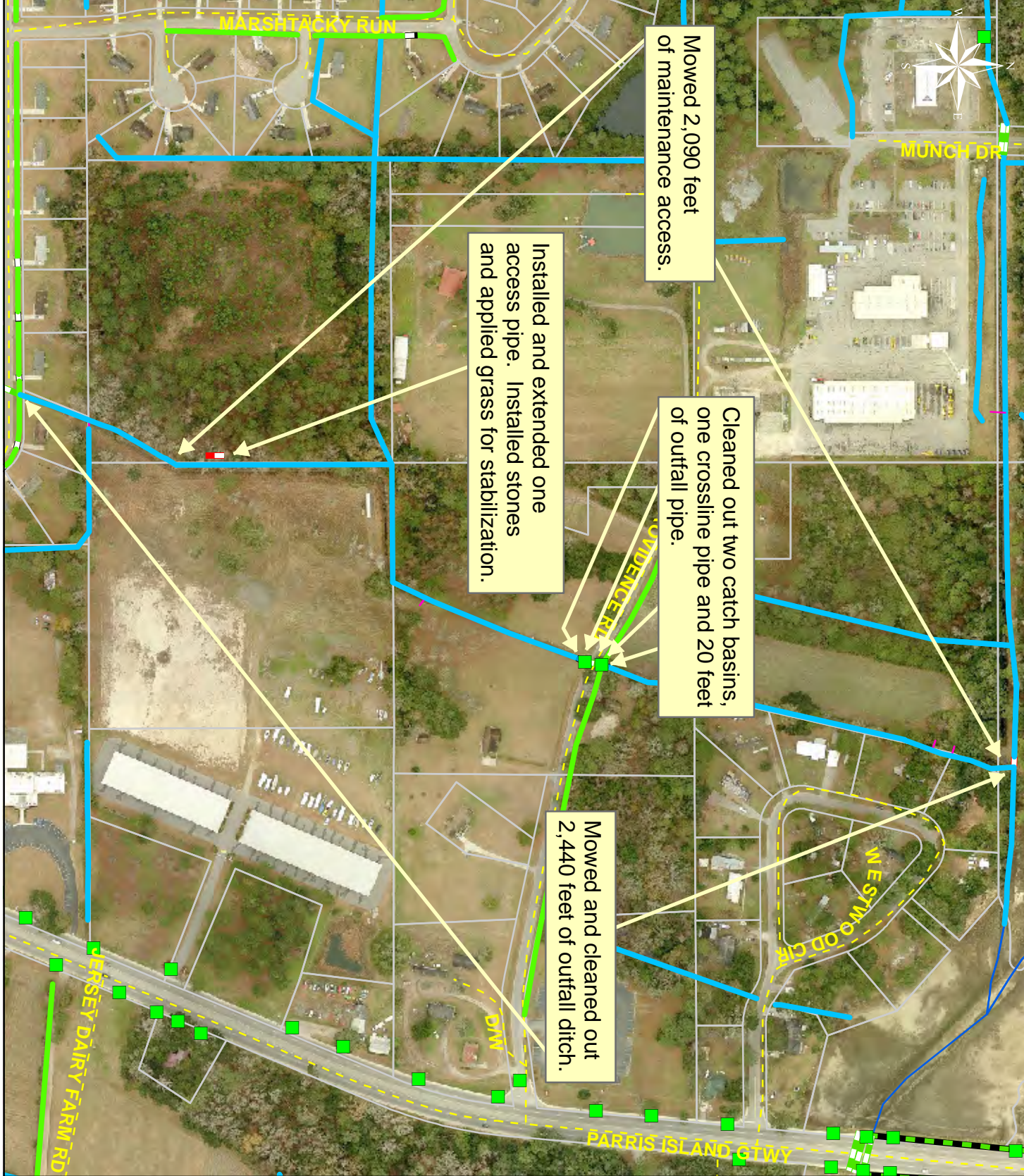


During



After





Project:
 Forest Field
 Subdivision
 Providence Road

Activity:
 Drainage
 Maintenance

Project #:
 2010-196

Township:
 Port Royal Island

Completed:
 May 2010

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

Date Print: 10/5/10



Stormwater Utility

Project Report

Burton Wells Park Outfall Ph II

Project Number: 2010-119

Start Month/Year: April 2010

Completion Month/Year: June 2010

Project Cost: \$106,795

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: The football field at Burton Wells Recreational Center was flooding and the soil continued to be saturated.

Resolution: This project cleared and constructed 200 feet of outfall ditch and maintenance access and cleaned out 80 feet of outfall ditch. The Utility also installed nine catch basins and 750 feet of outfall pipe. In addition, the Utility replaced a walkway. Lastly, the Utility installed stones and grass for stabilization.

Area Benefited: This project alleviated flooding and provided proper drainage of the football field.

Before



During



After



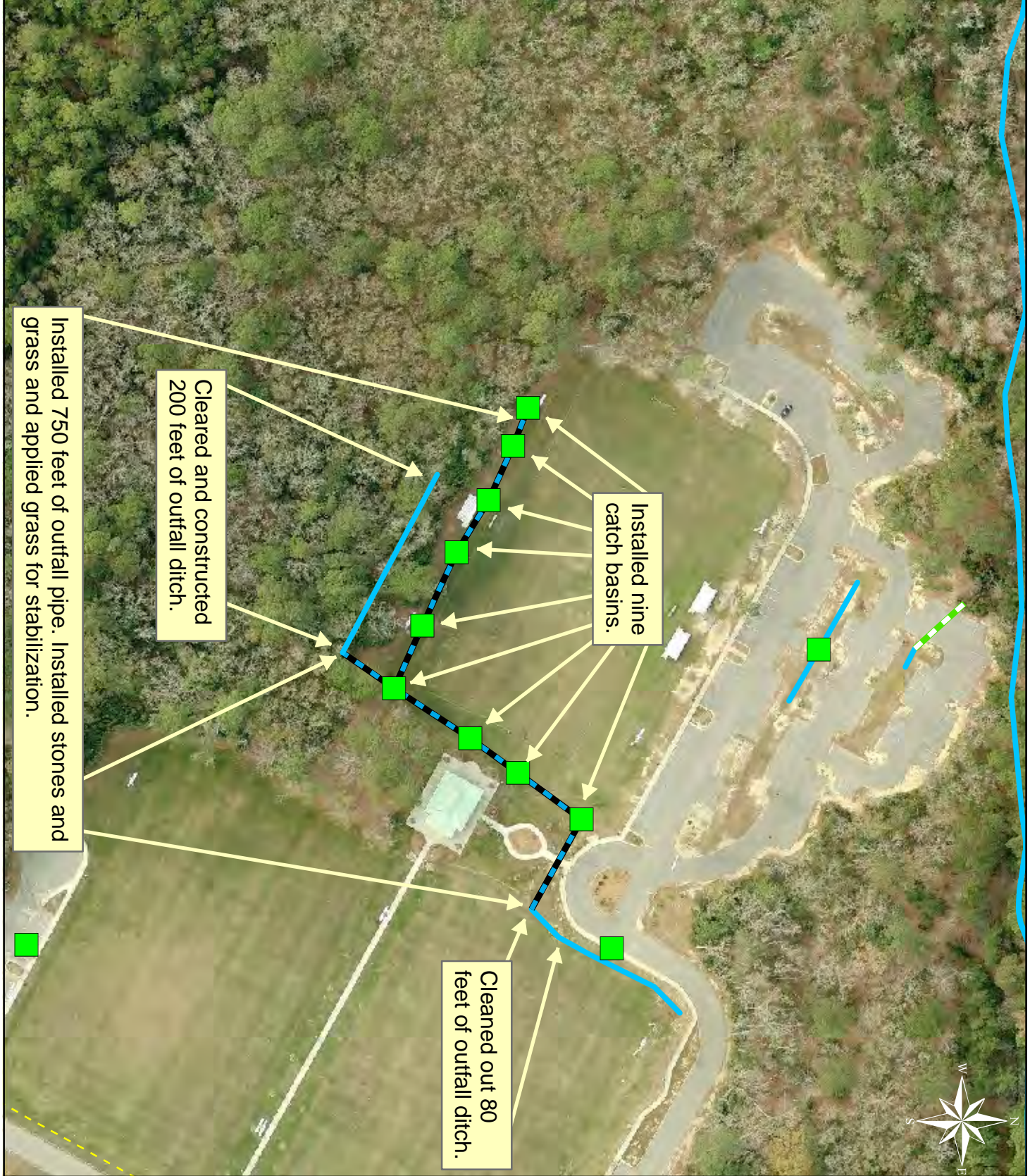
Project:
 Burton Wells Park
 Outfall Phase II

Activity: Drainage
 Maintenance

Project #:
 2010-119

Township:
 Port Royal Island

Completed:
 June 2010



1 inch = 135 feet

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



Stormwater Utility

Project Report

Luther Lane and Candy Johnson Drive

Project Number: 2010-165

Start Month/Year: May 2010

Completion Month/Year: June 2010

Project Cost: \$33,776

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: After a heavy rain event, Luther Lane flooded and was impassable.

Resolution: This project cleared and constructed 650 feet of outfall ditch and maintenance access, mowed 470 feet of roadside ditch, and cleaned out 770 feet of roadside ditch. The Utility also installed five access pipes and two access gates. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding.

Before

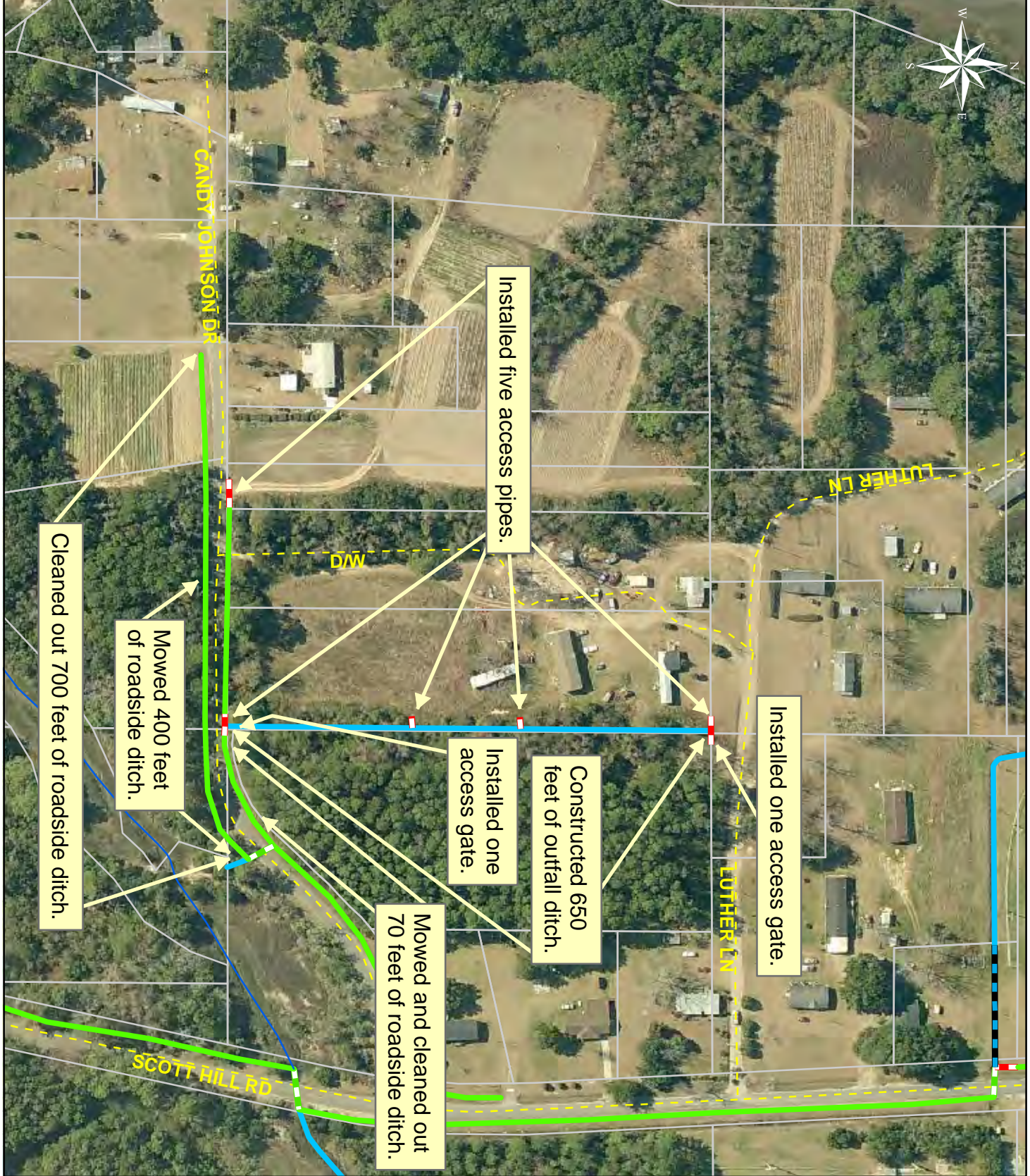


During



After





1 inch = 175 feet

Project:
Luther Lane/Candy
Johnson Drive

Activity: Drainage
Maintenance













Project #:
2010-165

Township:
St. Helena Island

Completed:
June 2010

Legend

Drainage Type

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Crossline
-  DWV
-  Access
-  Piped
-  Bleeder

Date Print: 7/29/10



Stormwater Utility

Project Report

Pinewood Circle East/West and Joe Frazier Outfall

Project Number: 2010-247

Start Month/Year: May 2010

Completion Month/Year: June 2010

Project Cost: \$25,254

Tax District: 100 – Port Royal Island

Council District: 6 and 8

Drainage/Water Quality Issue: There were several fallen trees in drainage system from a tornado and wind storm.

Resolution: Removed fallen trees and debris from outfall ditches and maintenance access.

Area Benefited: Prevented Pinewood Subdivision from drainage issues caused by blockages in the drainage system.

Before



During



After





1 inch = 485 feet



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

Project:
Pinewood Circle

Activity: Drainage
Emergency

Project #:
2010-247

Township:
Port Royal Island

Completed:
June 2010



Stormwater Utility

Project Report

Westbury Park Outfall

Project Number: 2008-179

Start Month/Year: April 2010

Completion Month/Year: June 2010

Project Cost: \$22,271

Tax District: 600 – Bluffton

Council District: 4

Drainage/Water Quality Issue: A portion of the Westbury Park Subdivision was flooding because of two ponds overflowing.

Resolution: This project cleared and cleaned out 830 feet of outfall ditch and maintenance access. The Utility also cleared an additional 300 feet of outfall ditch. The Simmonsville outfall ditch was cleaned out to alleviate flooding. However, an additional easement had to be obtained to allow the continuation of the drainage. This project is Phase I to provide proper drainage for the Westbury Park Subdivision and surrounding areas. Additionally, the Utility installed two access gates and restored vegetation.

Area Benefited: This project alleviated some flooding. It also provided drainage for portions of the following: Windtree Subdivision, Baywood Subdivision, Westbury Park Subdivision, Windy Lakes Subdivision, Simmonsville Road, Bluffton Parkway, Buck Island Road, Bluffton Middle School complex, and surrounding properties.

Before



During



After



Cleared and cleaned out 830 feet of outfall ditch. Restored vegetated. Installed stones and applied grass for stabilization.

Cleared 300 feet of outfall ditch.

Installed two access gates.



1 inch = 161 feet

Project:
Westbury Park Outfall

Activity: Drainage
Maintenance

Project #:
2008-179

Township:
Bluffton

Completed:
June 2010

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Roadside Pipe
	Crossline
	Driveway
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels



Stormwater Utility

Project Report

Windy Lakes Phase II/Sugaree Drive and Lotus Court

Project Number: 2010-124

Start Month/Year: May 2010

Completion Month/Year: June 2010

Project Cost: \$41,243

Tax District: 600 – Bluffton

Council District: 4

Drainage/Water Quality Issue: The higher volume of water was causing erosion to the overflow drainage system and causing the level of water in the pond to be higher than normal.

Resolution: This project removed 30 feet of debris from the flowline, cleared 160 feet of outfall ditch, and installed 490 feet of outfall pipe. The Utility also cleaned out two crossline pipes and 210 feet of outfall pipe. Lastly, the Utility installed stones and grass for stabilization.

Area Benefited: This project improved drainage of the Windy lakes Subdivision and a portion of Simmonsville Road.

Before



During



After





1 inch = 103 feet

Legend

303

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

Project: Sugaree Drive and Lotus Court - Windy Lakes Phase II

Activity: Drainage Maintenance

Project #: 2010-124

Township: Bluffton

Completed: June 2010