



Fiscal Year 2011



Stormwater Utility

Project Report

Airport Circle

Project Number: 2010-094

Start Month/Year: May 2010

Completion Month/Year: July 2010

Project Cost: \$22,910

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: Airport Circle did not have a drainage outlet causing flooding on portions of Airport Circle, Thomas Atkins Road, and Atkins Boulevard.

Resolution: This project mowed 140 feet of maintenance access and constructed 230 feet of outfall ditch beyond the critical line. The Utility also cleaned out 260 feet of outfall ditch, repaired one crossline pipe, and cleaned out two access pipes and one crossline pipe.

Area Benefited: This project provided drainage for a portion of the Lady's Island Airport and surrounding properties. The project also provided drainage for portions of Airport Circle, Atkins Boulevard, and Thomas Atkins Road.

Before



During



After





1 inch = 101 feet

Project:
Airport Circle

Activity: Drainage
Maintenance

Project #:
2010-094

Township:
Lady's Island

Completed:
July 2010

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



Stormwater Utility

Project Report

Ashepoo Drive

Project Number: 2010-051

Start Month/Year: April 2010

Completion Month/Year: July 2010

Project Cost: \$30,855

Tax District: 600 – Bluffton

Council District: 10

Drainage/Water Quality Issue: During rain events, Ashepoo Drive and surrounding properties would flood.

Resolution: This project installed two catch basins and 300 feet of roadside pipe. The Utility also replaced four driveways. Additionally, grass was installed for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Ashepoo Drive and surrounding properties.

Before



During



After





RIVER'S END DR

ASHEPOO DR

Replaced four driveways.

Installed 300 feet of roadside pipe. Installed grass for stabilization.

Installed two catch basins.

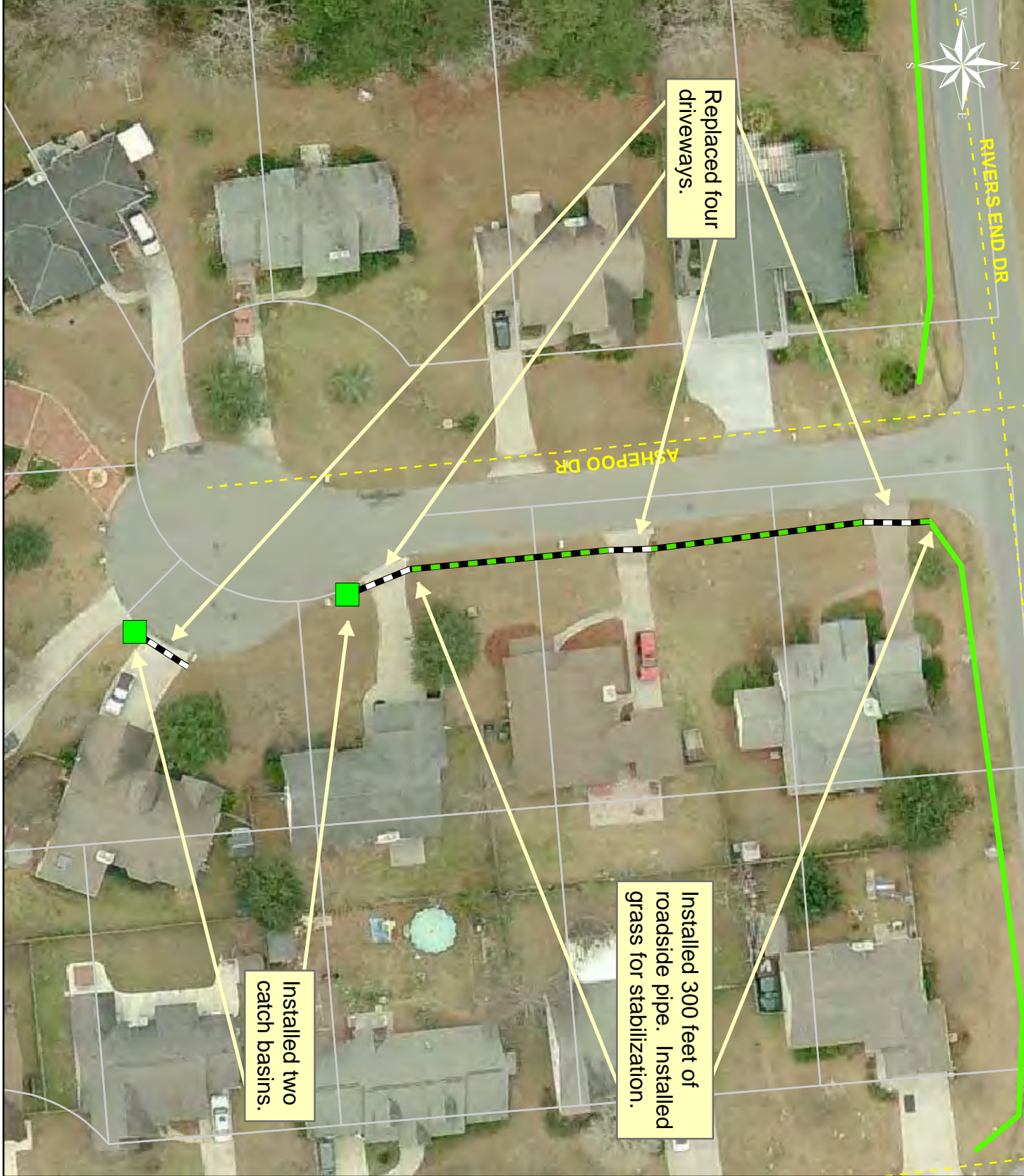
Project:
Ashpepo Drive

Activity: Drainage
Maintenance

Project #:
2010-051

Township:
Bluffton

Completed:
July 2010



1 inch = 45 feet

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

Date Print: 3/16/11



Stormwater Utility

Project Report

Fair Road and Riley Road

Project Number: 2010-194

Start Month/Year: June 2010

Completion Month/Year: July 2010

Project Cost: \$43,210

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: There was flooding on Riley Road and Fair Road and on adjacent properties.

Resolution: This project mowed 1,370 feet of outfall ditch and maintenance access. The Utility cleared 560 feet of outfall ditch and constructed 520 feet of outfall ditch and maintenance access. The Utility also cleaned out 800 feet of outfall ditch. Additionally, the Utility installed three property drain pipes, one access pipe, and one access gate. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Fair Road, Riley Road, and portions of Broad River Boulevard and surrounding properties.

Before

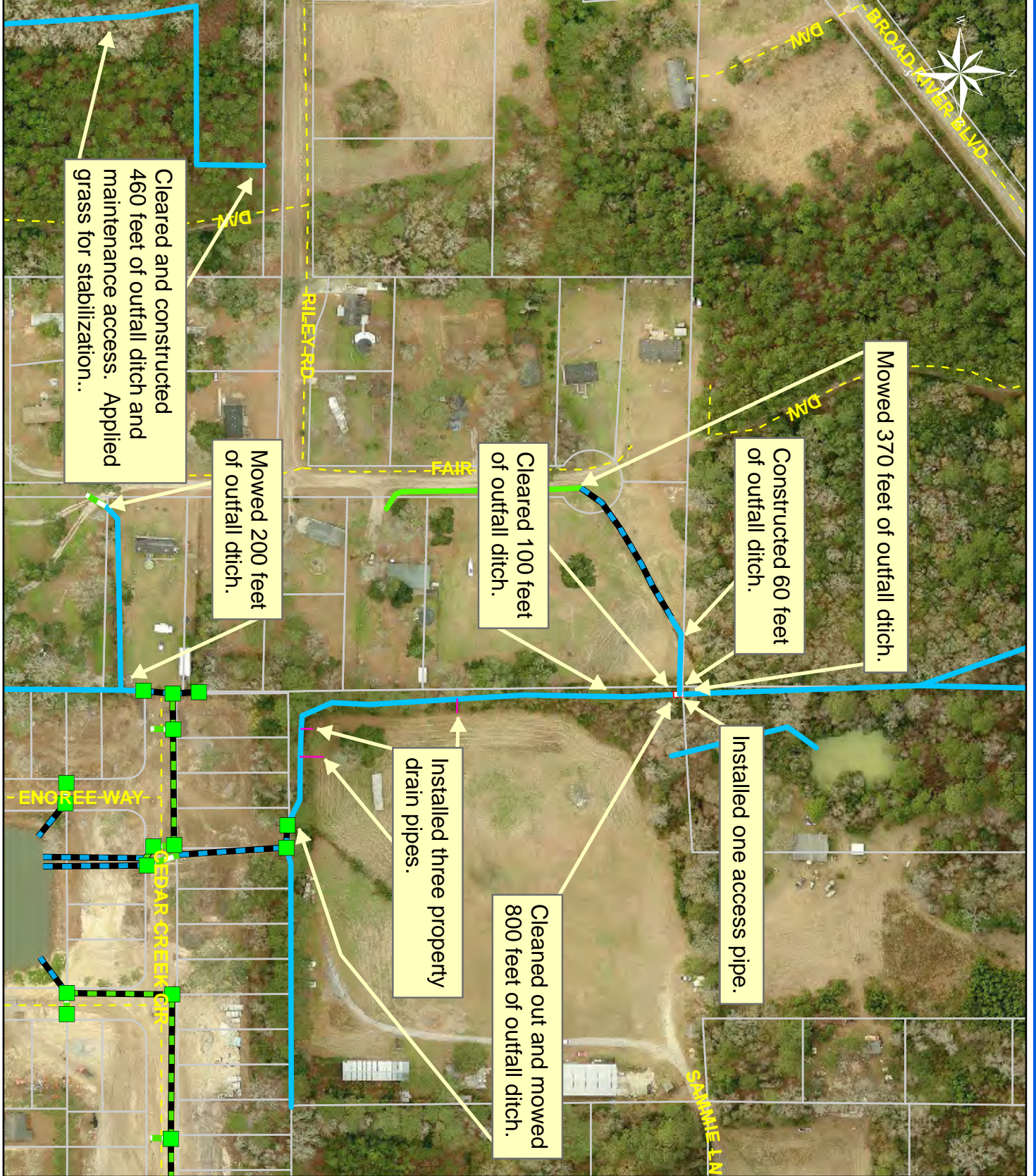


During



After





1 inch = 215 feet

Project:
Fair Road and
Riley Road

Activity: Drainage
Maintenance

Project #:
2010-194

Township:
Port Royal Island

Completed:
July 2010

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

Date Print: 12/28/10



Stormwater Utility

Project Report

Forest Field Subdivision - Clydesdale Circle,
Quarter Horse Road and Pony Avenue

Project Number: 2010-237

Start Month/Year: May 2010

Completion Month/Year: July 2010

Project Cost: \$44,857

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: There was stagnant water throughout the subdivision's drainage system.

Resolution: This project cleared 120 feet of outfall ditch, cleaned out 4,060 feet of roadside ditch, and 910 feet of outfall ditch. The Utility repaired washouts and cleaned out six crossline pipes, sixteen driveway pipes, and two access pipes. In addition, the Utility installed stones for stabilization.

Area Benefited: This project provides drainage for a large portion of the subdivision.

Before

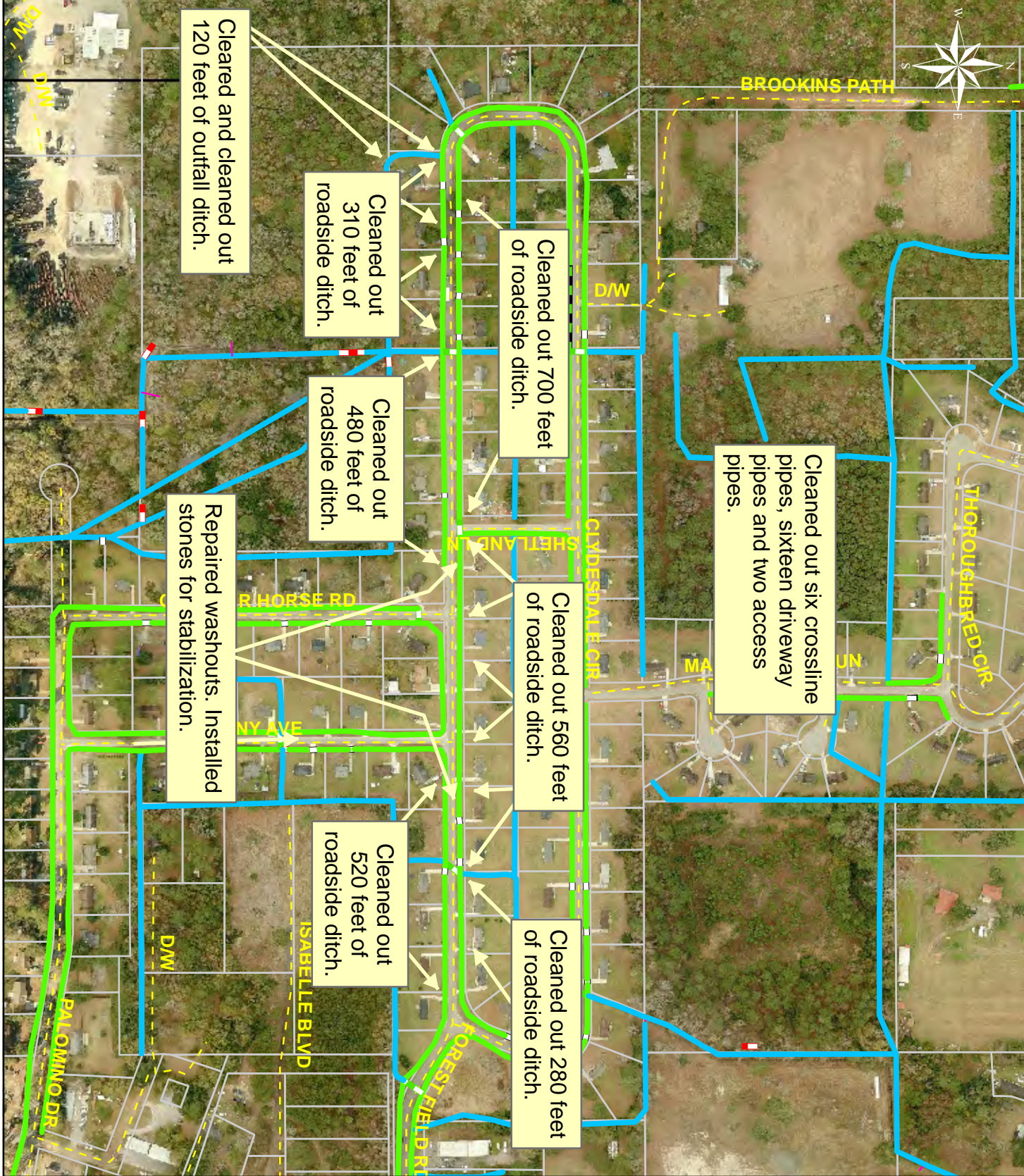


During



After





Project:
 Forest Field
 Subdivision
 Clydesdale Circle
 Map 1

Activity: Drainage
 Maintenance

Project #:
 2010-237

Township:
 Port Royal Island

Completed:
 July 2010

Legend

Drainage Type

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



1 inch = 355 feet

Date Print: 12/3/10

Project:
 Forest Field
 Subdivision
 Quarter Horse Road
 and Pony Avenue
 Map 2

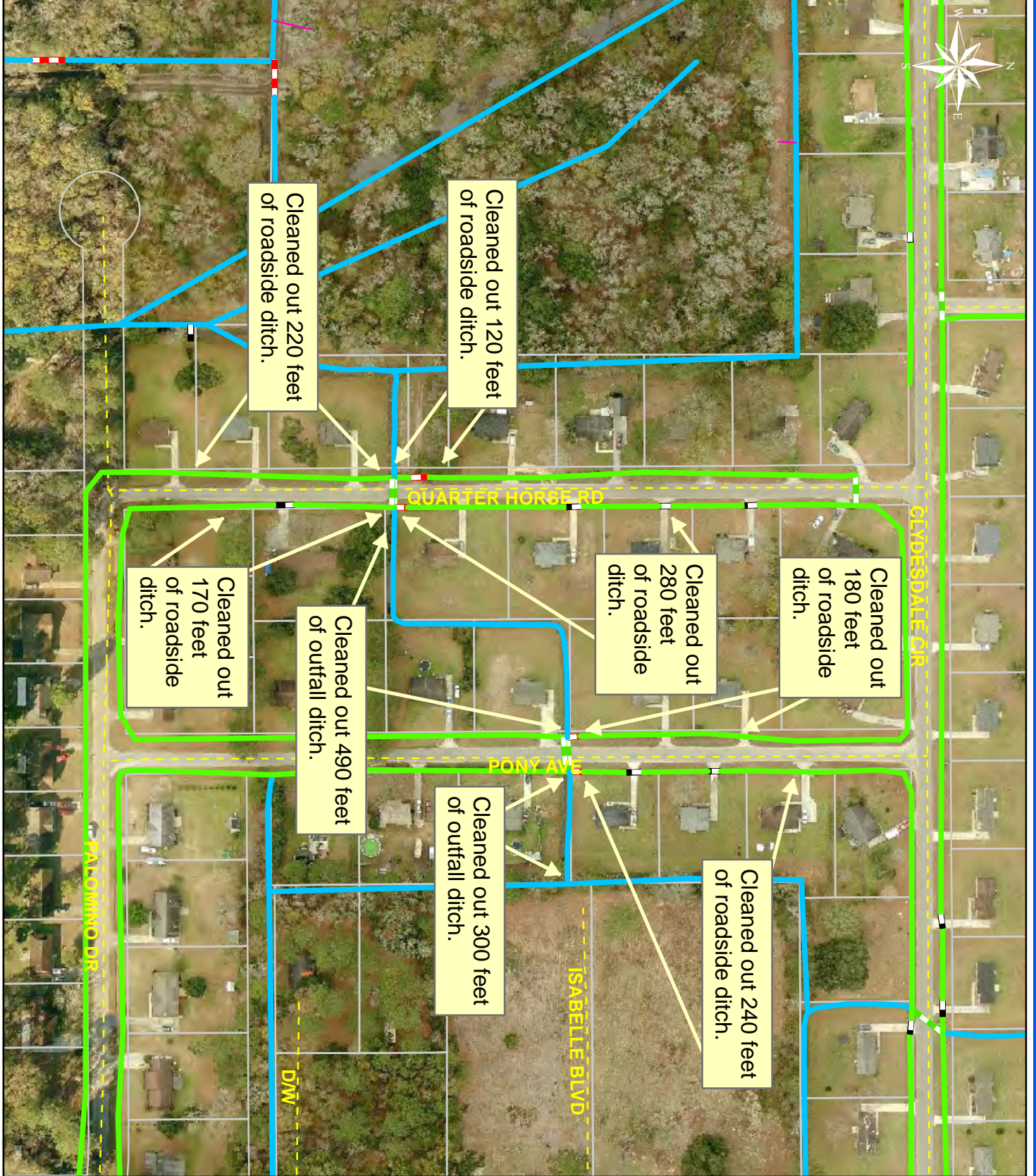
Activity: Drainage
 Maintenance

Project #:
 2010-237

Township:
 Port Royal Island

Completed:
 July 2010

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



1 inch = 169 feet

Date Print: 12/8/10



Stormwater Utility

Project Report

Polite Drive

Project Number: 2008-013

Start Month/Year: July 2010

Completion Month/Year: July 2010

Project Cost: \$22,694

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: As part of the road paving design for Polite Drive, the outfall ditches needed to be reconstructed and crossline pipes upsized.

Resolution: This project reconstructed 180 feet of roadside ditch, cleaned out 280 feet of roadside ditch, and upsized a single crossline pipe to twin crossline pipes. The Utility also repaired a washout. Lastly, the Utility installed straw mat and stones and applied grass for stabilization.

Area Benefited: This project provided drainage for Polite Road, and portions of Middleton Recreational Drive and Burton Wells Road.

Before



During



After





1 inch = 92 feet



Project:
Polite Drive

Activity: Drainage
Maintenance

Project #:
2008-013

Township:
Port Royal Island

Completed:
July 2010

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

Thomas Sumpter Street

Project Number: 2010-256

Start Month/Year: June 2010

Completion Month/Year: July 2010

Project Cost: \$23,525

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: The access and easements for the drainage system within a section of the subdivision were narrow preventing the ditches behind houses to be routinely cleaned out.

Resolution: The project installed 400 feet of outfall pipe. The Utility also installed stones and applied grass for stabilization.

Area Benefited: This project allowed this drainage system to be routinely maintained and drains Gator Lane, and portions of Thomas Sumpter Street and the Royal Pines golf course.

Before



During



After



Project:
Thomas Sumpter
Street

Activity: Drainage
Maintenance

Project #:
2010-256

Township:
Lady's Island

Completed:
July 2010

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

Installed 400 feet of outfall pipe. Installed stones and applied grass for stabilization.



0 37.5 75 150 225 300 Feet

1 inch = 128 feet

Date Print: 1/28/11



Stormwater Utility

Project Report

Cherry Point Road

Project Number: 2011-501

Start Month/Year: July 2010

Completion Month/Year: August 2010

Project Cost: \$23,479

Tax District: 600 – Bluffton

Council District: 10

Drainage/Water Quality Issue: This drainage system had not been cleaned out since the paving of Cherry Point Road, causing standing water at the following intersections: Cherry Point Road and Okatie Highway, and Cherry Point Road and the Okatie Elementary School entrance. There was also standing water in the roadside ditches.

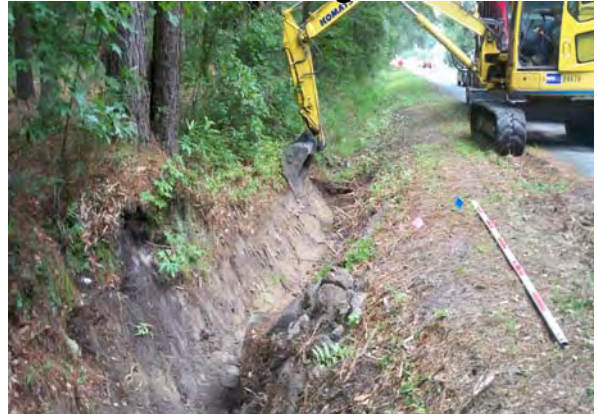
Resolution: This project cleaned out 3,100 feet of roadside ditch. The Utility also cleaned out one access pipe and two crossline pipes. Lastly, the Utility installed a stone spillway for stabilization.

Area Benefited: This project alleviated standing water from the intersections and roadside ditches and allowed drainage of Cherry Point Road. It also provides drainage for the school complex.

Before



During



After







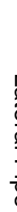







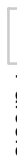
Project:
Cherry Point Road

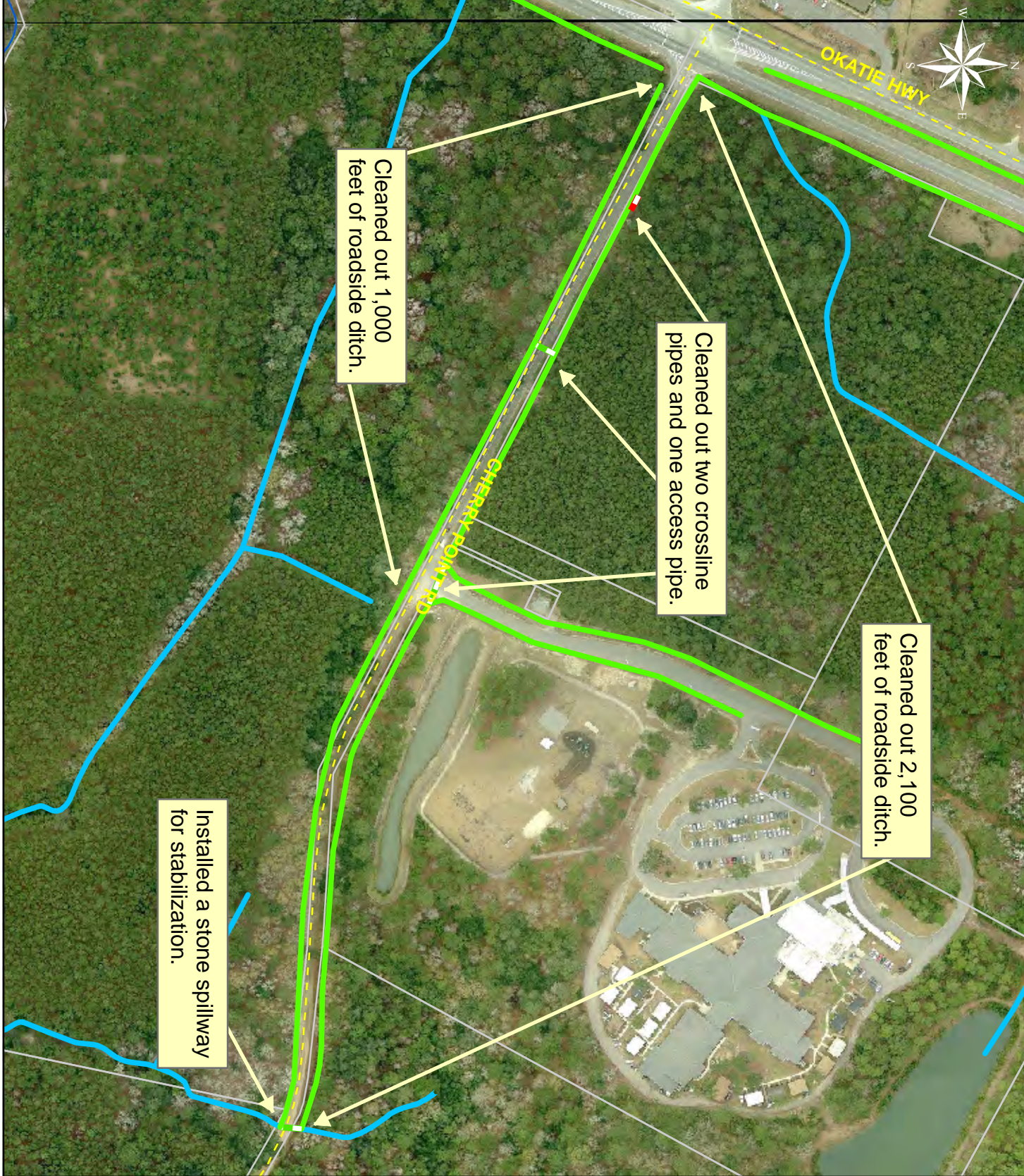
Activity: Drainage
Maintenance

Project #:
2011-501

Township:
Bluffton

Completed:
August 2010

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



1 inch = 270 feet



Date Print: 3/15/11



Stormwater Utility

Project Report

Chisholm Hill Road Outfall

Project Number: 2010-086

Start Month/Year: March 2010

Completion Month/Year: August 2010

Project Cost: \$152,822

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was stagnant water in the outfall ditches and also the property for the Whale Branch Early College High School Complex would not drain properly and the pond would not overflow.

Resolution: This project cleared and reconstructed 6,110 feet of outfall ditch and maintenance access. The Utility installed ten property drain pipes, seven access pipes, and four access gates. Additionally, the Utility also upsized one crossline pipe, replaced one crossline pipe, cleaned out one crossline pipe, and repaired a washout. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated stagnant water from the outfall ditches and allowed the pond to overflow when the water in the pond reached a certain level. This project also helped drain surrounding properties and portions of Depot Road and Chisolm Hill Road.

Before

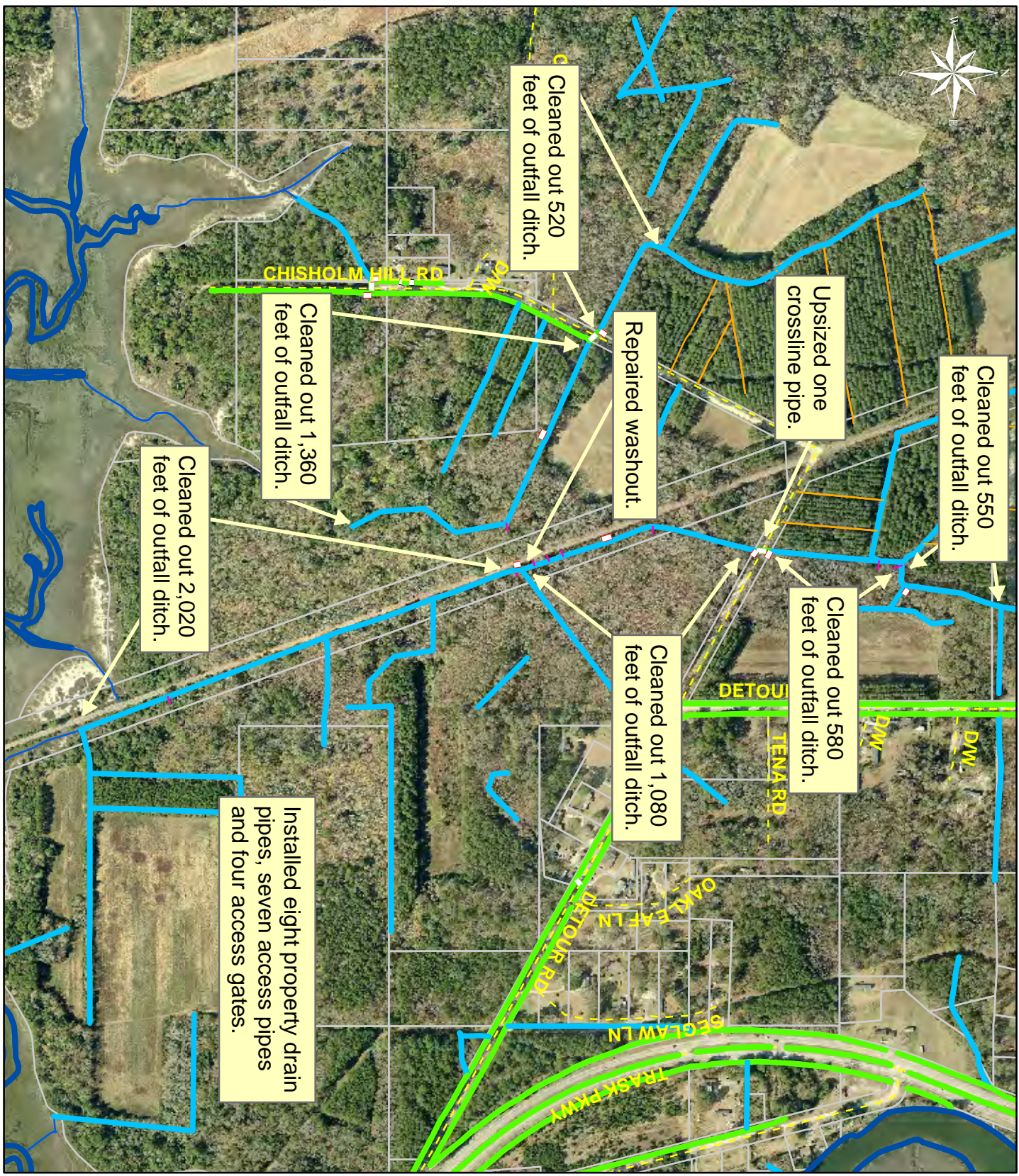


During



After





1 inch = 599 feet

Project:
Chisholm Hill Road
Outfall

Activity: Drainage
Maintenance

Project #:
2010-086

Township:
Port Royal Island

Completed:
August 2010

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



Stormwater Utility

Project Report

Horace Dawson Lane Outfall

Project Number: 2011-535

Start Month/Year: July 2010

Completion Month/Year: August 2010

Project Cost: \$22,532

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was standing water in the outfall ditches at the crossline pipe on Horace Dawson Lane and on the adjacent properties.

Resolution: This project mowed 1,340 feet of outfall ditch and maintenance access. The Utility also cleaned out 4,540 feet of outfall ditch and installed fourteen property drain pipes.

Area Benefited: This project alleviated standing water and drained Horace Dawson Lane and surrounding properties. It also provided drainage for a portion of Trask Parkway.

Before



During



After



Project:
 Horace Dawson
 Lane Outfall

Activity: Drainage
 Maintenance

Project #:
 2011-535

Township:
 Sheldon

Completed:
 August 2010

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



0 100 200 400 600 800
 Feet

1 inch = 363 feet

Date Print: 2/28/11



Stormwater Utility

Project Report

Daufuskie Island - Church Road

Project Number: 2011-560

Start Month/Year: August 2010

Completion Month/Year: September 2010

Project Cost: \$25,125

Tax District: 800 - Daufuskie Island

Council District: 4

Drainage/Water Quality Issue: During heavy rain events, there was flooding across Church Road.

Resolution: This project cleaned out 3,120 feet of roadside ditch and also replaced one crossline pipe.

Area Benefited: This project alleviated flooding on Church Road and helped to drain the following surrounding roads: Frances Jones Road, Amber Lane, and Brandons Way.

Before

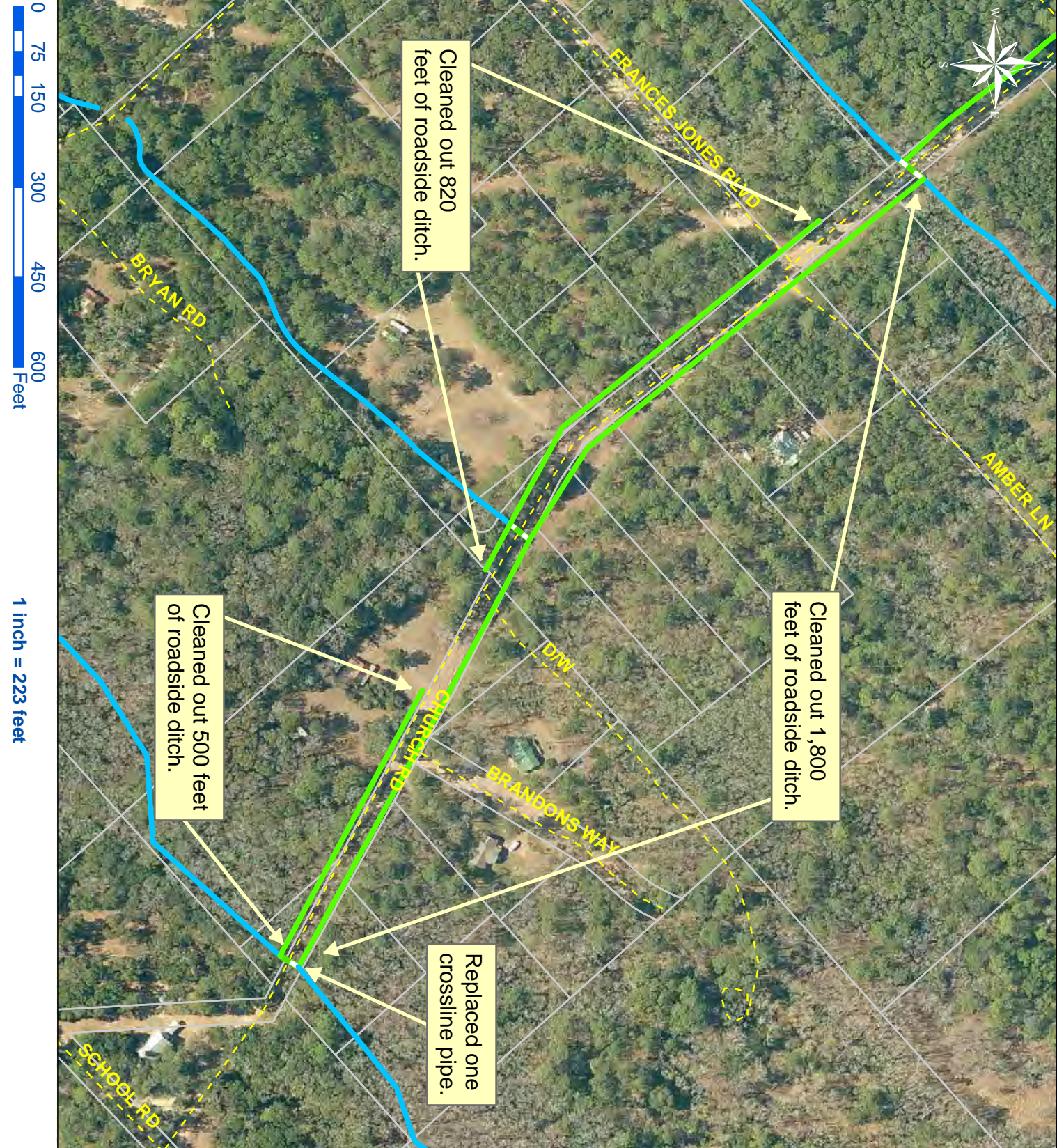


During



After





Project:
Church Road

Activity: Drainage
Maintenance

Project #:
2011-560

Township:
Daufuskie Island

Completed:
September 2010

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



Stormwater Utility

Project Report

Sheldon Bush Hog

Project Number: 2011-303A

Start Month/Year: July 2010

Completion Month/Year: September 2010

Project Cost: \$34,419

Tax District: 700 – Sheldon

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 63,590 feet of outfall ditches and 16,740 feet of roadside ditches within the drainage system in Sheldon area.

Area Benefited: This project provided routine maintenance for the following areas: Johnson Road, Paige Point Bluff Road, Twickenham Plantation, Archie Sumpter Road, Mitchell Drive, Rail Bed Road, Robinson Hill Road, George Williams Lane, William Campbell Road, Firestation Lane, Huspah Drive, Browns Island Road, Stroban Road, Cherokee Farm Road, Broad River Road, Albertha Field Lane, Horsetail Road, Joseph Lane, Big Estate Road, African Baptist Church Road, Gray Road, Prescott Road, Bailey Road, and others.

Before



Stock Picture

During



Stock Picture

After



Stock Picture



Stormwater Utility

Project Report

West River Drive

Project Number: 2011-019

Start Month/Year: August 2010

Completion Month/Year: September 2010

Project Cost: \$39,586

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: As part of the road paving design for West River Drive, the drainage system in the area needed improvement.

Resolution: This project removed blockage from the flowline and cleared and cleaned out 220 feet of outfall ditch. The Utility also installed two catch basins, one crossline pipe, one access pipe, and 40 feet of outfall pipe. Additionally, the Utility cleaned out three driveway pipes, one crossline pipe, and 20 feet of roadside pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project provides drainage for a portion of West River Drive and surrounding properties.

Before

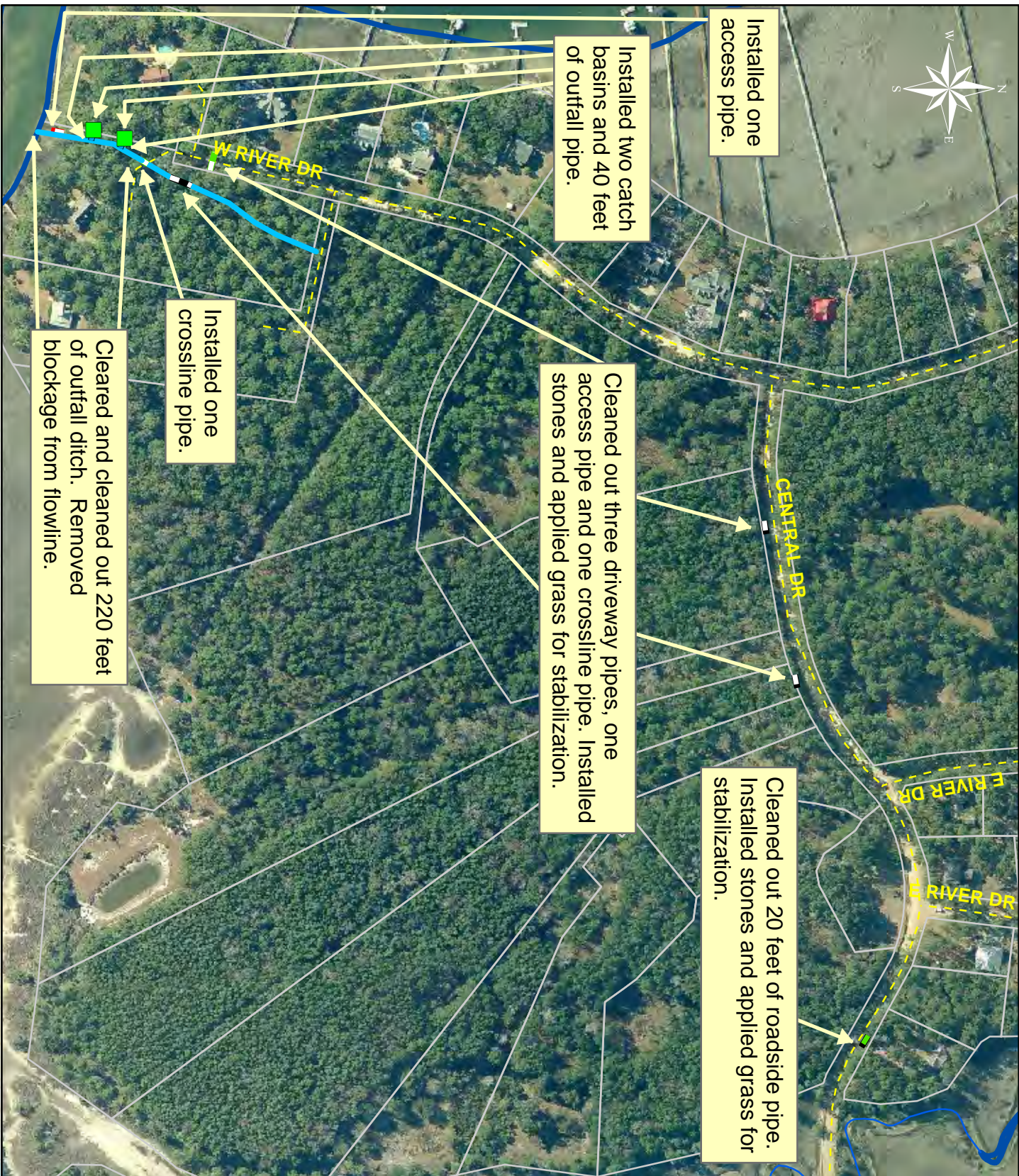


During



After





1 inch = 277 feet

Project:
West River Drive

Activity: Drainage Maintenance

Project #:
2011-019

Township:
Lady's Island

Completed:
September 2010

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



Stormwater Utility

Project Report

Wimbee Landing Road, Wimbee Creek Road, Kinloch Road and Honeybee Island Road

Project Number: 2010-216

Start Month/Year: August 2010

Completion Month/Year: September 2010

Project Cost: \$47,445

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was flooding at the following intersections: Wimbee Creek Road and Kinloch Road, Wimbee Landing Road and Kinloch Road, and Wimbee Creek Road and Honeybee Island Road. Also, wetlands adjacent to Wimbee Landing Road would fill up after a heavy rain event and cause flooding on adjacent properties.

Resolution: This project mowed 1,240 feet of roadside ditch, cleaned out 340 feet of outfall ditch, and 5,510 feet of roadside ditch. The Utility upsized two crossline pipes and reinstalled one access pipe to correct elevation. In addition, the Utility also cleaned out two crossline pipes, two access pipes, and three driveway pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project allowed drainage for a portion of Wimbee Landing Road, Wimbee Creek Road, Kinloch Road, and Honeybee Island Road.

Before



During

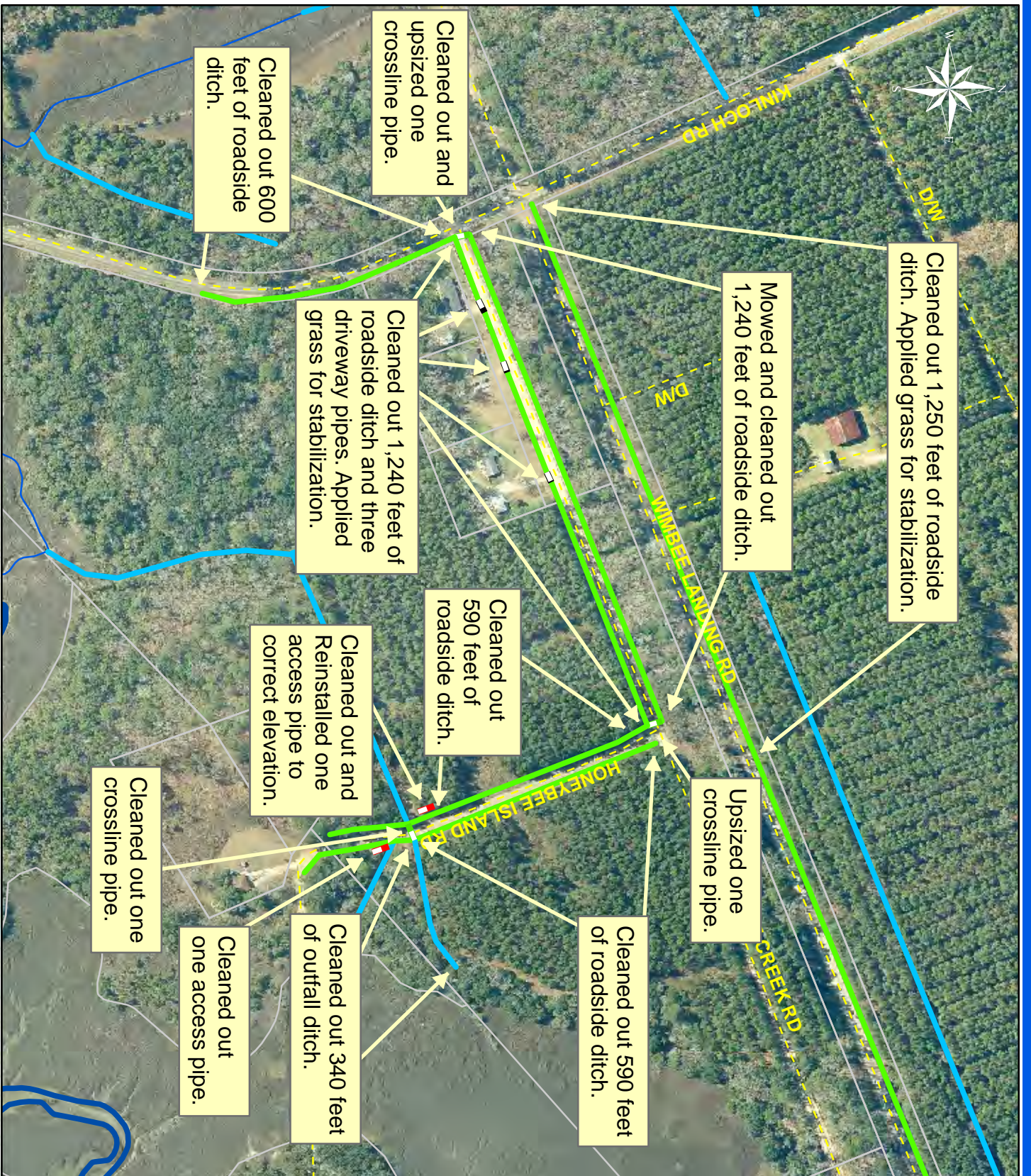


After





1 inch = 311 feet



Cleaned out 1,250 feet of roadside ditch. Applied grass for stabilization.

Mowed and cleaned out 1,240 feet of roadside ditch.

Cleaned out 1,240 feet of roadside ditch and three driveway pipes. Applied grass for stabilization.

Cleaned out 600 feet of roadside ditch.

Cleaned out and upsized one crossline pipe.

Cleaned out 590 feet of roadside ditch.

Upsized one crossline pipe.

Cleaned out 590 feet of roadside ditch.

Cleaned out and Reinstalled one access pipe to correct elevation.

Cleaned out one crossline pipe.

Cleaned out one access pipe.

Cleaned out 340 feet of outfall ditch.

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

Date Print: 4/23/11

Project: Wimbee Landing Road, Wimbee Creek Road, Kinloch Road and Honeybee Island Road
Activity: Drainage Maintenance
Project #: 2010-216
Township: Sheldon
Completed: September 2010



Stormwater Utility

Project Report

Colonial Heights - Phase I

Project Number: 2011-047

Start Month/Year: September 2010

Completion Month/Year: October 2010

Project Cost: \$75,841

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The access and easements for the drainage system within the subdivision were narrow, thus preventing the ditches behind and between houses to be routinely cleaned out.

Resolution: This project cleared 1,890 feet of outfall ditch and maintenance access for pipe installation.

Area Benefited: The project allowed the subdivision's drainage system to be routinely maintained. It helped drain the surrounding roads: Pulaski Drive, Pulaski Court, Walker Circle, and a portion of Colonial Avenue.

Before



During



After





1 inch = 198 feet

Project:
Colonial Heights -
Walker Circle Phase I

Activity: Drainage
Maintenance

Project #:
2011-047

Township:
Port Royal Island

Completed:
October 2010

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

Date Print: 1/28/11



Stormwater Utility

Project Report

Island Tank Road

Project Number: 2011-526

Start Month/Year: September 2010

Completion Month/Year: October 2010

Project Cost: \$21,131

Tax District: 100 - Port Royal Island

Council District: 6

Drainage/Water Quality Issue: This drainage system had not been cleaned out since the paving of Island Tank Road, causing flooding on the road and adjacent properties within the mobile home park. There was also standing water in the outfall ditch and along a portion of John Davis Court.

Resolution: This project cleared 80 feet of maintenance access and cleaned out 400 feet of outfall ditch and 3,110 feet of roadside ditch. The Utility also installed two driveway pipes and cleaned out twenty-five driveway pipes and three crossline pipes. Lastly, the Utility installed stones for stabilization.

Area Benefited: This project allowed drainage for the mobile home park and portions of Island Tank Road and John Davis Court.

Before



During



After





Cleaned out 650 feet of roadside ditch.

Cleared 80 feet of outfall ditch.

Cleaned out 400 feet of outfall ditch.

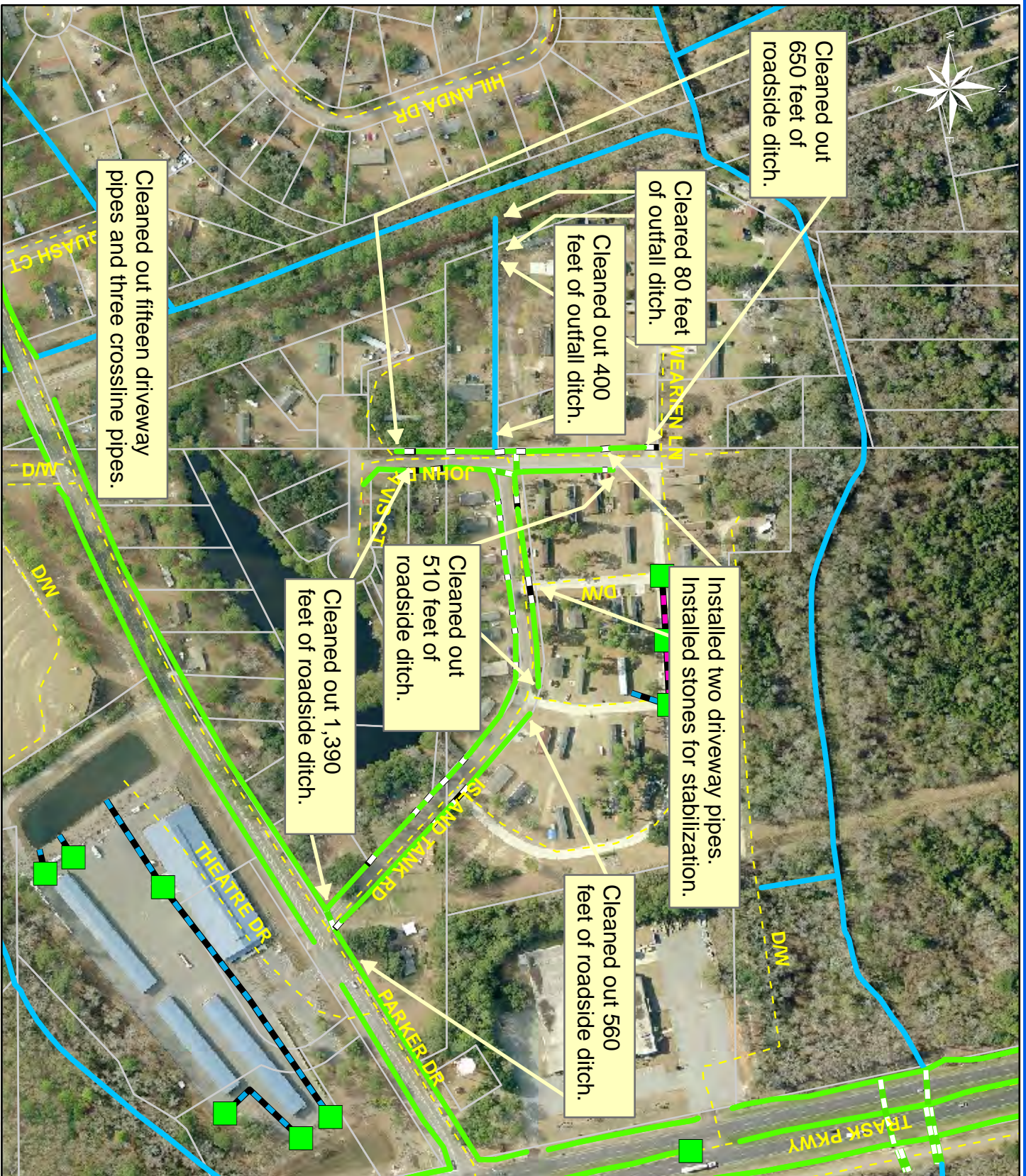
Cleaned out 510 feet of roadside ditch.

Cleaned out 1,390 feet of roadside ditch.

Cleaned out 560 feet of roadside ditch.

Cleaned out fifteen driveway pipes and three crossline pipes.

Installed two driveway pipes. Installed stones for stabilization.



0 80 160 320 480 640 Feet

1 inch = 290 feet

Project:
Island Tank Road
Activity: Drainage
Maintenance

Project #:
2011-526

Township:
Port Royal Island

Completed:
October 2010

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

Date Print: 5/18/11



Stormwater Utility

Project Report

Josephine Drive Phase I

Project Number: 2011-051

Start Month/Year: October 2010

Completion Month/Year: October 2010

Project Cost: \$46,443

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The access and easements for the drainage system within the subdivision were narrow, thus preventing the ditches behind and between houses and commercial buildings to be routinely cleaned out.

Resolution: This project cleared 570 feet of outfall ditch. The Utility also cleaned out 290 feet of outfall ditch and reconstructed 290 feet of maintenance access. Additionally, the Utility installed one catch basin, 600 feet of outfall pipe, and cleaned out one crossline pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project allowed the drainage system to be routinely maintained and drain a portion of Josephine Drive.

Before



During



After



Project:
Josephine Drive
Phase I

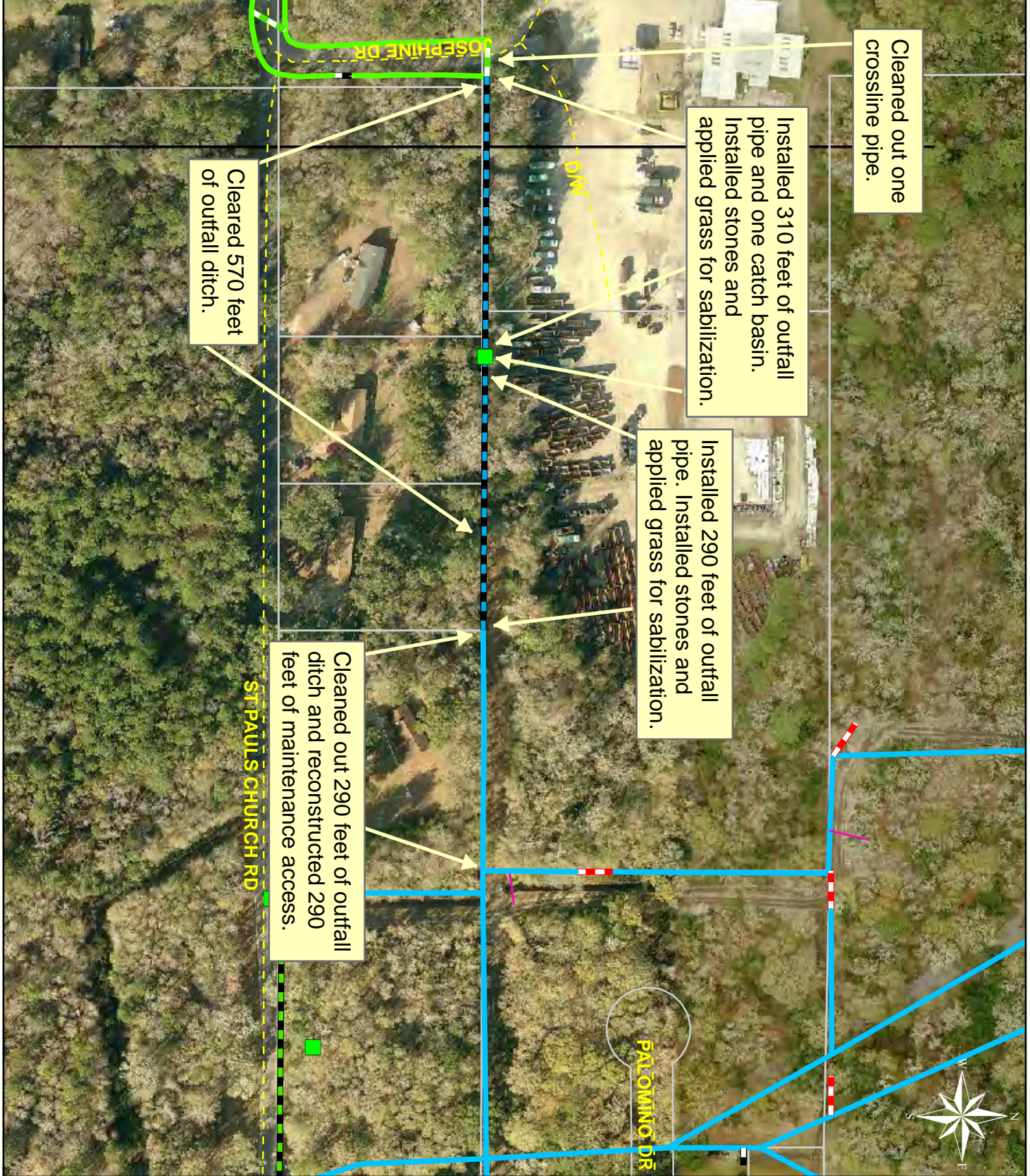
Activity: Drainage
Maintenance

Project #:
2011-051

Township:
Port Royal Island

Completed:
October 2010

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



1 inch = 162 feet

Date Print: 11/8/10



Stormwater Utility

Project Report

Leo Green Road

Project Number: 2011-040

Start Month/Year: September 2010

Completion Month/Year: October 2010

Project Cost: \$26,257

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: After a heavy rain event, properties along the outfall ditch would flood from water draining from Broad River Boulevard and Leo Green Road.

Resolution: This project cleared 480 feet of outfall ditch and maintenance access and reconstructed 700 feet of outfall ditch and maintenance access. The Utility also cleaned out 660 feet of outfall ditch and hand cleaned 290 feet of outfall ditch. Additionally, the Utility installed one access pipe, four property drain pipes, and one access gate. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for portions of Leo Green Road and surrounding properties.

Before

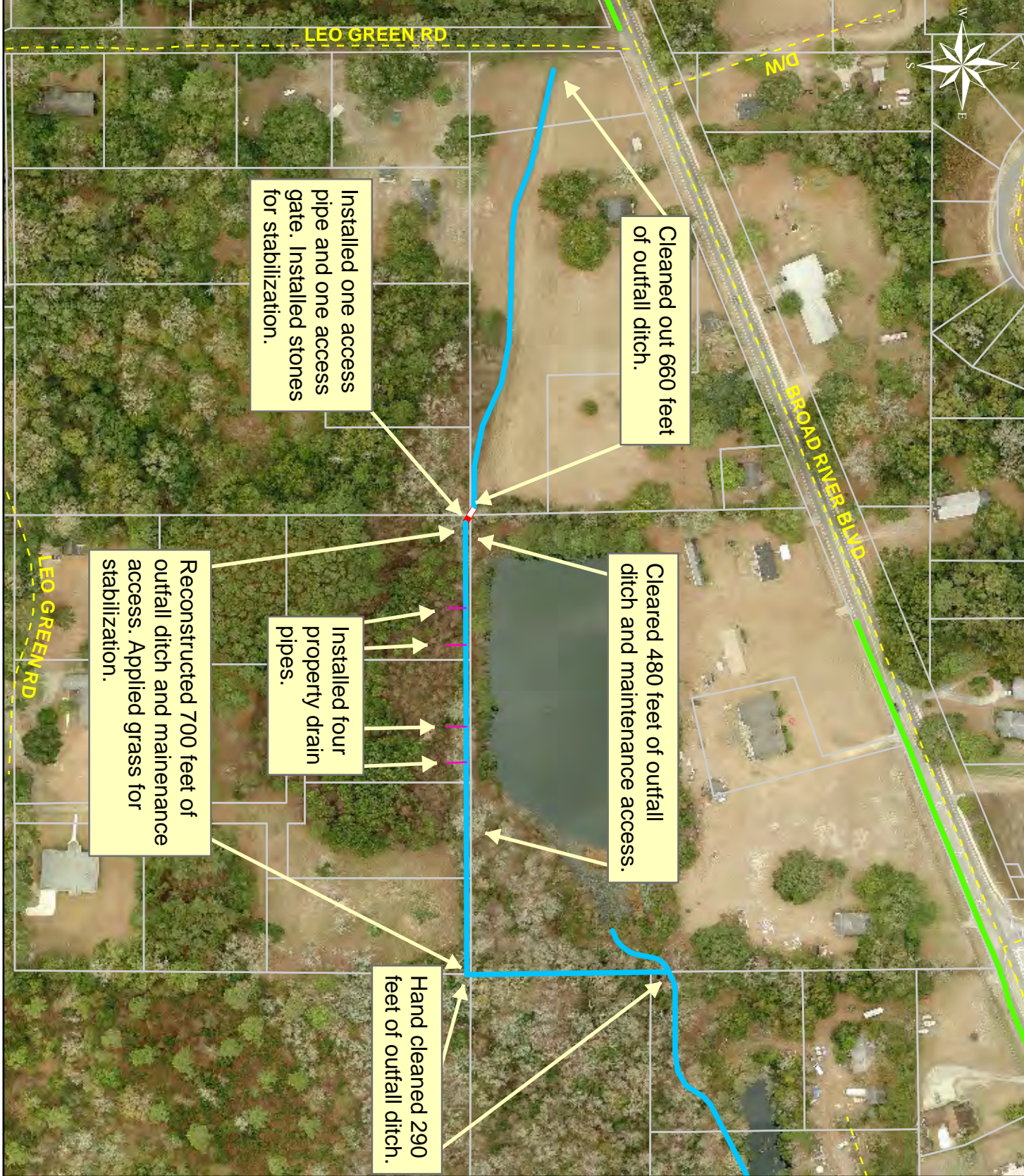


During



After





1 inch = 196 feet

Project:
Leo Green Road

Activity: Drainage
Maintenance

Project #:
2011-040

Township:
Port Royal Island

Completed:
October 2010

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



Stormwater Utility

Project Report

Little Capers Road Outfall

Project Number: 2011-544

Start Month/Year: August 2010

Completion Month/Year: October 2010

Project Cost: \$27,180

Tax District: 200 - Lady's Island

Council District: 7

Drainage/Water Quality Issue: The outfall ditch servicing Little Capers Road had standing and stagnant water.

Resolution: This project cleared 260 feet of outfall ditch and maintenance access and cleaned out 270 feet of outfall ditch. The Utility also hand cleaned 60 feet of outfall ditch. In addition, the Utility installed one access pipe and repaired a washout. Lastly, the Utility applied grass for stabilization.

Area Benefited: This project allowed water to drain from surrounding properties and from a portion of Little Capers Road.

Before

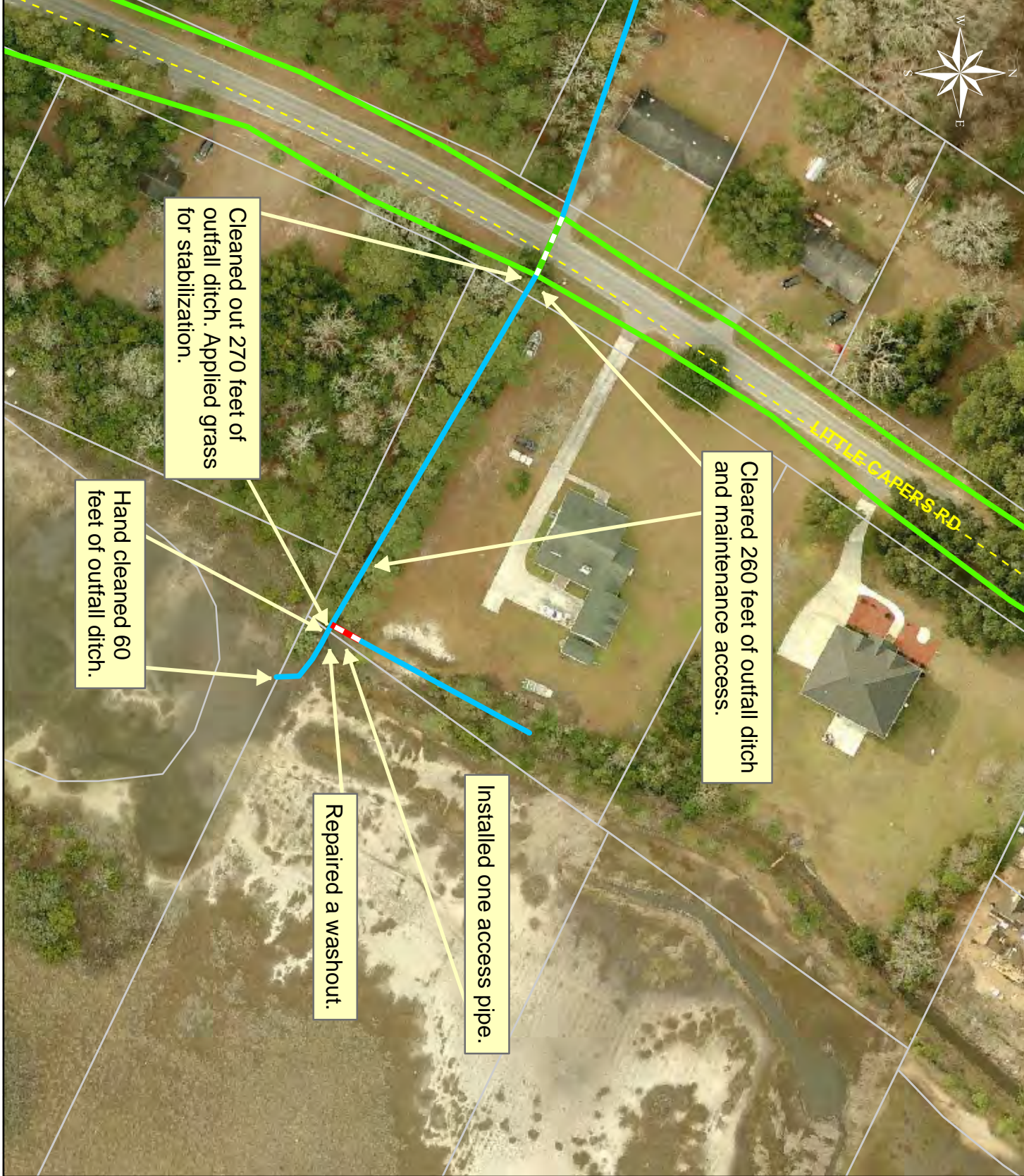


During



After





Cleared 260 feet of outfall ditch and maintenance access.

Cleaned out 270 feet of outfall ditch. Applied grass for stabilization.

Hand cleaned 60 feet of outfall ditch.

Installed one access pipe.

Repaired a washout.

Legend

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

Project:
Little Capers Road Outfall

Activity: Drainage Maintenance

Project #:
2011-544

Township:
Lady's Island

Completed:
October 2010



1 inch = 90 feet



Stormwater Utility

Project Report

Pinewood Circle

Project Number: 2011-572

Start Month/Year: September 2010

Completion Month/Year: October 2010

Project Cost: \$70,253

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: After a wind storm the outfall drainage system was clogged with trees and debris and there was erosion to the ditch bank.

Resolution: This project mowed and constructed 1,000 feet of outfall ditch and maintenance access. The Utility also cleaned out 5,290 feet of outfall ditch and installed four bleeder pipes and one access pipe. Additionally, the Utility repaired washouts. Lastly, straw mat and stones were installed and grass applied for stabilization.

Area Benefited: This project allowed drainage for portions of Pinewood Circle Subdivision, Shein Loop, and Parker Drive. It also provides overflow for the Industrial Park pond.

Before

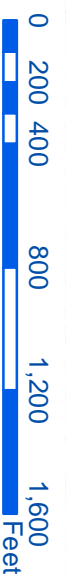


During

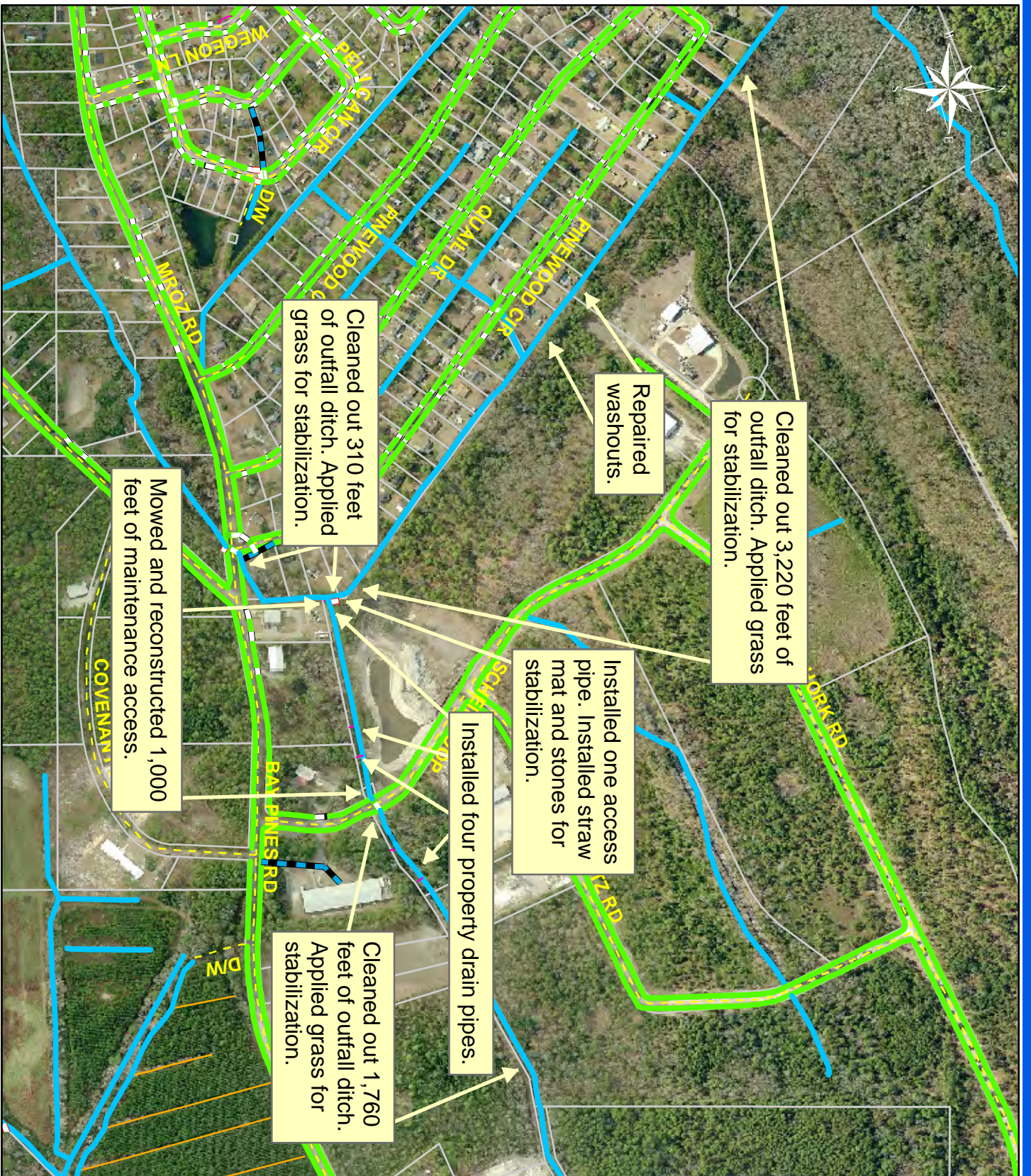


After





1 inch = 623 feet



Project:
Pinewood Circle

Activity: Drainage
Maintenance

Project #:
2011-572

Township:
Port Royal Island

Completed:
October 2010

Legend	
Drainage Type	Symbol
River	Blue line
Stream	Light blue line
Outfall	Yellow line
Lateral	Orange line
Lateral Pipe	Black and white dashed line
Roadside	Green line
Roadside Pipe	Black and white dashed line with green border
Crossline	Green dashed line
D/W	Black and white dashed line with red border
Access	Red dashed line
Piped	Black and white dashed line with blue border
Bleeder	Pink dashed line
Parcels	White box



Stormwater Utility

Project Report

St. Helena Island Bush Hog

Project Number: 2011-300A

Start Month/Year: July 2010

Completion Month/Year: October 2010

Project Cost: \$27,334

Tax District: 300 – St. Helena Island

Council District: 5

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 43,080 feet of outfall ditches and 8,370 feet of roadside ditches within the drainage system on St. Helena Island.

Area Benefited: This project provided routine maintenance for the following areas: White Sands, Joe Coleman, Folly Road, J & J Lane, Luther Warren, Seaside Road, Simmons Road, John Fripp, Nathan Pope, Jenkins, Cee Cee Road, Shed Road, Dulamo, Tropicana, Edding Point Road, Pineland Avenue, Queen Road, Ernest Drive, Ball Park Road, Old Polowana Road, Sea Island Parkway, Mattis Drive, St Helena Island Drop Off Center, James Grant, Major Road, Highway 21, Warsaw Island, JB Lane, and Halifax Drive.

Before



Stock Picture

During



Stock Picture

After



Stock Picture



Stormwater Utility

Project Report

William Campbell Road Outfall

Project Number: 2010-084

Start Month/Year: September 2010

Completion Month/Year: October 2010

Project Cost: \$39,307

Tax District: 700 – Lady's Island

Council District: 6

Drainage/Water Quality Issue: Properties adjacent to the outfall ditch servicing William Campbell Road were flooding.

Resolution: This project cleared and cleaned out 1,660 feet of outfall ditch. The Utility also constructed 1,660 feet of maintenance access. Additionally, the Utility installed one access pipe, nine property drain pipes, and extended two bleeder pipes. Lastly, stones were installed and grass applied for stabilization.

Area Benefited: This project allowed drainage of properties adjacent to the outfall ditch. It also drained portions of William Campbell Road and George Williams Road.

Before



During



After





Installed one access pipe. Cleared and cleaned out 1,660 feet of outfall ditch. Constructed 1,660 feet of maintenance access. Installed stones and applied grass for stabilization.

Installed two property drain pipes.

Installed and extended two property drain pipes.

Installed five property drain pipes.

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

Project:
William A Campbell
Road Outfall

Activity: Drainage
Maintenance

Project #:
2010-084

Township:
Sheldon

Completed:
October 2010



Stormwater Utility

Project Report

Josephine Drive Phase II

Project Number: 2011-051A

Start Month/Year: October 2010

Completion Month/Year: November 2010

Project Cost: \$20,464

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: This drainage system had not been cleaned out since the paving of Josephine Drive, causing standing water at the intersection of Josephine Drive and St. Pauls Road and clogged driveway pipes on Josephine Drive.

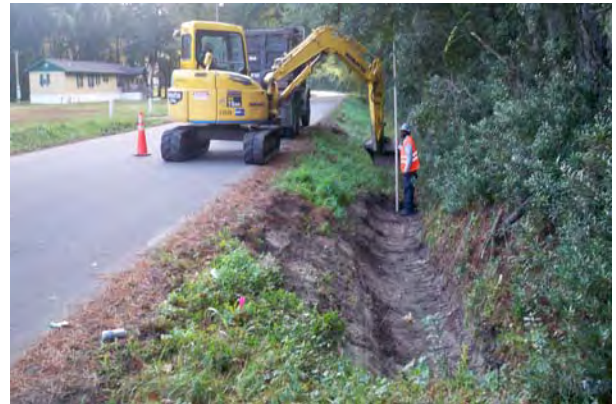
Resolution: This project cleaned out 5,100 feet of roadside ditch and 110 feet of outfall ditch. The Utility replaced one driveway pipe to correct elevation. Also, the Utility cleaned out fourteen driveway pipes and one crossline pipe. Lastly, grass was applied for stabilization.

Area Benefited: This project allowed drainage for portions of Josephine Drive and St. Pauls Road.

Before



During



After



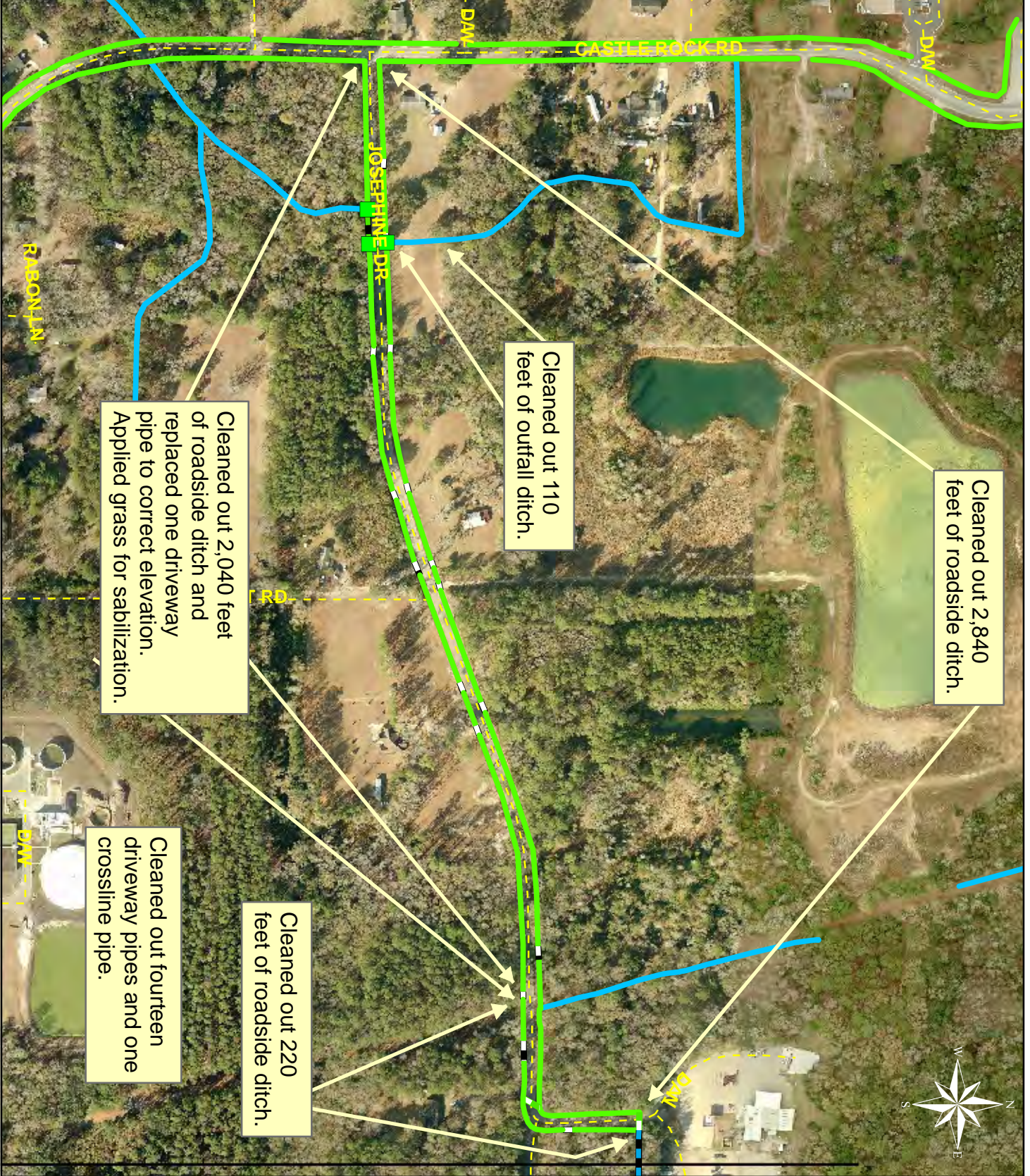
Project:
Josephine Drive
Phase II

Activity: Drainage
Maintenance

Project #:
2011-051A

Township:
Port Royal Island

Completed:
November 2010



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



Stormwater Utility

Project Report

Keans Neck Road Outfall

Project Number: 2011-524A

Start Month/Year: September 2010

Completion Month/Year: November 2010

Project Cost: \$32,605

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: This drainage system was overdue for maintenance, causing standing water on Middlefield Circle and the outfall ditch off Keans Neck Road.

Resolution: This project mowed and cleaned out 3,200 feet of outfall ditch and maintenance access. The Utility also installed three property drain pipes and cleaned out two crossline pipes and two access pipes. Finally, the Utility installed stones for stabilization.

Area Benefited: This project provided drainage for Middlefield Circle, Middlefield Court, and portions of Keans Neck Road and the outfall drainage system in the area.

Before

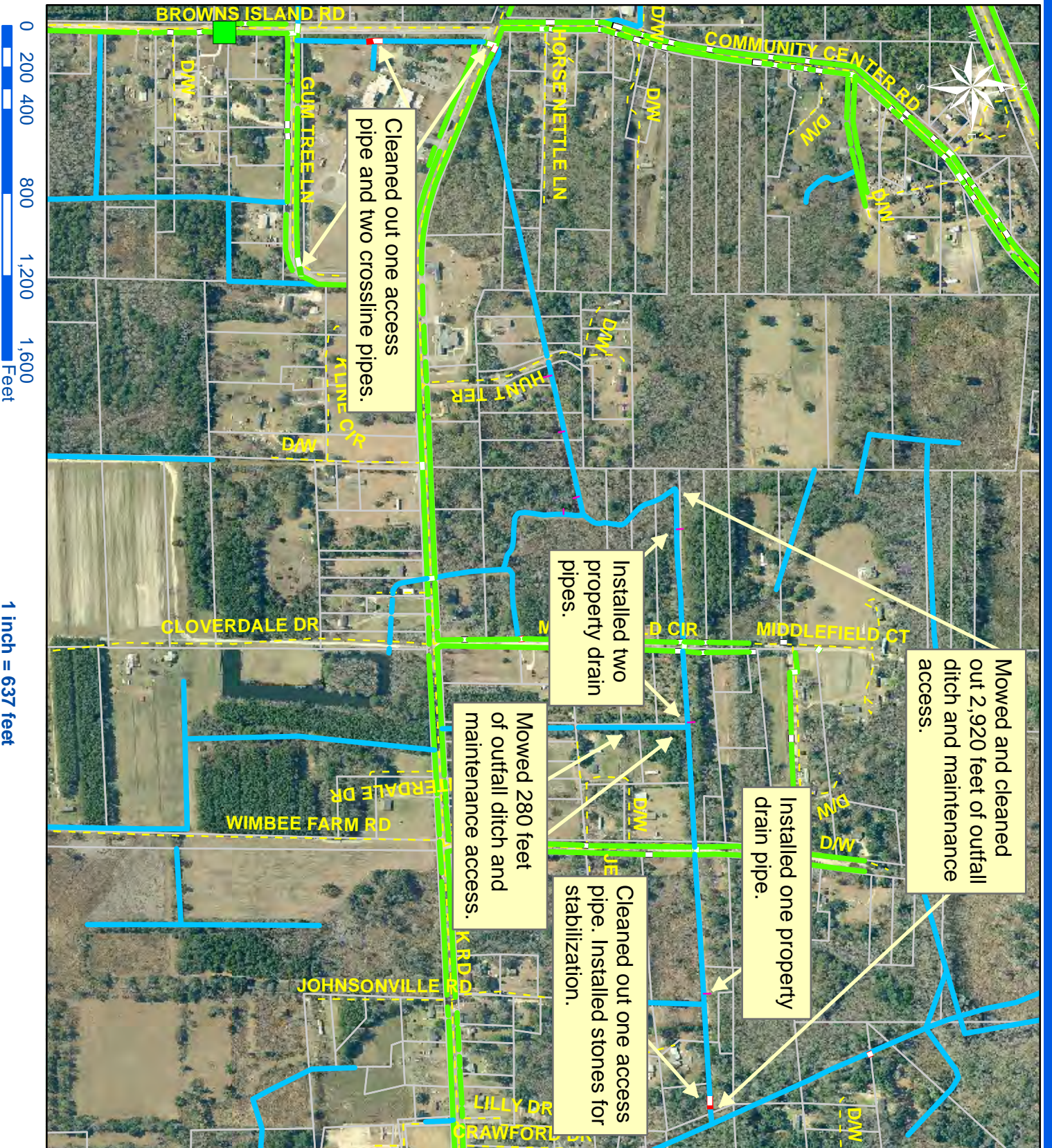


During



After





Project:
Keans Neck
Road Outfall

Activity: Drainage
Maintenance

Project #:
2011-524A

Township:
Sheldon

Completed:
November 2010

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



Stormwater Utility

Project Report

Port Royal Island Bush Hog

Project Number: 2011-301A

Start Month/Year: July 2010

Completion Month/Year: November 2010

Project Cost: \$39,474

Tax District: 100 – Port Royal Island

Council District: 8

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 73,670 feet of outfall ditches and 9,160 feet of roadside ditches within the drainage system on Port Royal Island.

Area Benefited: This project provided routine maintenance for the following areas: Cherokee Farms Road, Walker Circle, St Paul Church Road, Forest Field Road, Josephine Drive, Roseida Road, Parker Drive, Providence Road, Zehm Lane, Hobcaw Drive, Stanley Farm Road, Burton Wells Road, Bay Pines Road, Broad River Boulevard, L.H. Nelson Drive, Leo Green Road, Cleveland Drive, Pinewood Circle, Possum Hill Road, Pine Grove Road, Schein Loop, Deloach Road, Country Manor Road, Hilanda Drive, and others.

Before



Stock Picture

During



Stock Picture

After



Stock Picture



Stormwater Utility

Project Report

Twickenham Plantation Road Phase II

Project Number: 2007-98A

Start Month/Year: July 2010

Completion Month/Year: November 2010

Project Cost: \$54,544

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During heavy rain events, Swallowtail Lane and surrounding properties would flood. The majority of this project was constructed by March 2010, however the project could not be completed because the ground was too saturated after a period of inclement weather and the remaining work was completed in Phase II of this project.

Resolution: This project installed one access pipe, one crossline pipe, two property drain pipes, and extended one access pipe. The Utility also installed stones and applied grass for stabilization.

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

Before



During

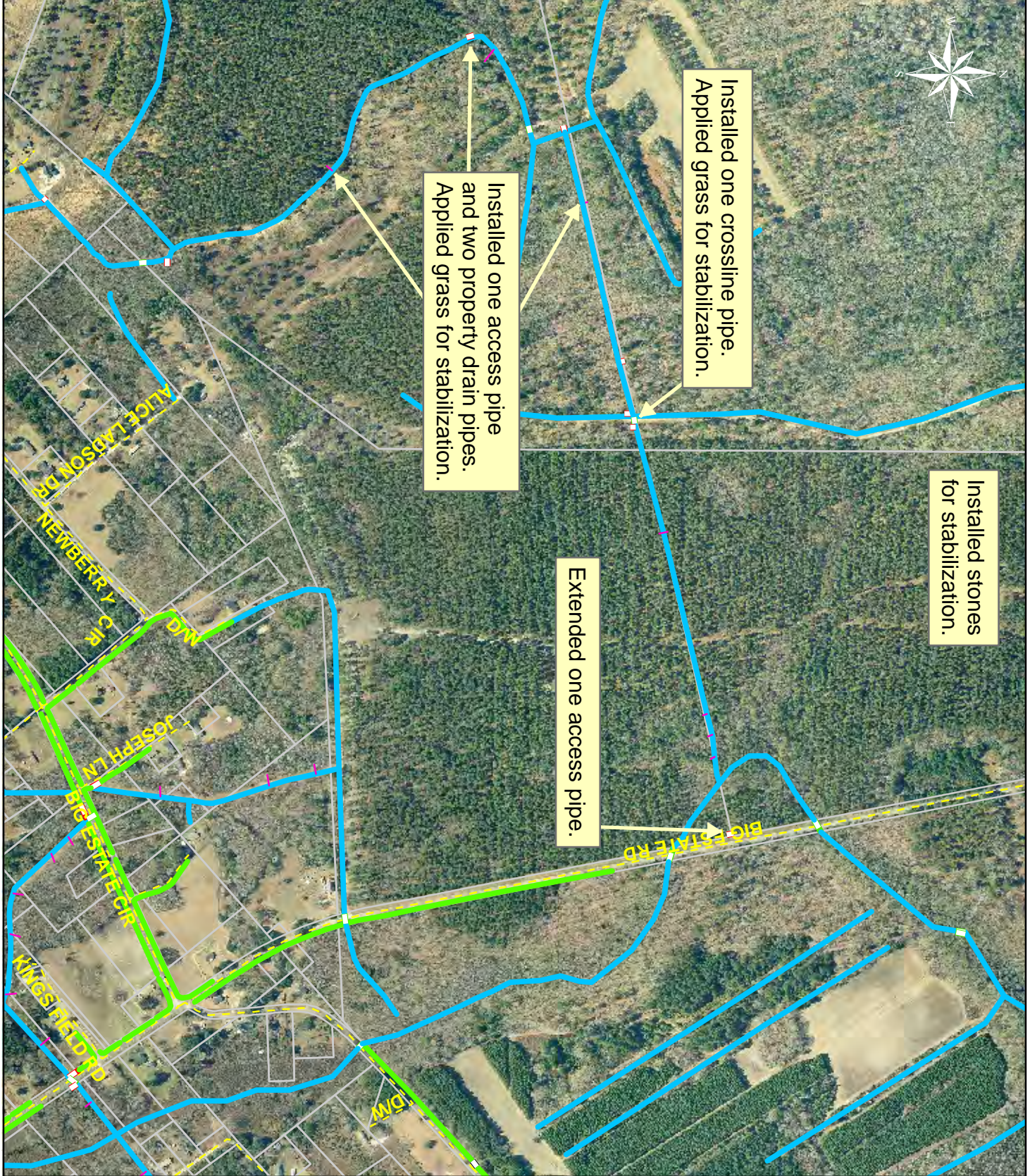


After





1 inch = 717 feet



Installed stones for stabilization.

Installed one crossline pipe. Applied grass for stabilization.

Installed one access pipe and two property drain pipes. Applied grass for stabilization.

Extended one access pipe.

Project:
Twickenham
Plantation Road
Phase II

Activity:
Drainage
Maintenance

Project #:
2007-98A

Township:
Sheldon

Completed:
November 2010

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

Date Print: 11/30/11



Stormwater Utility

Project Report

Oree Road, Floyd Road and Bull Corner Road

Project Number: 2011-543

Start Month/Year: November 2010

Completion Month/Year: December 2010

Project Cost: \$31,795

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: Heavy rain events caused flooding at the intersection of Oree Road and Floyd Road and also caused flooding of adjacent properties.

Resolution: This project cleaned out 4,260 feet of roadside ditch. The Utility also installed 20 feet of roadside pipe, upsized two crossline pipes, and replaced one crossline pipe to correct elevation. Lastly, the Utility also installed stones for stabilization.

Area Benefited: This project alleviated flooding and improved the drainage of Bull Corner Road.

Before

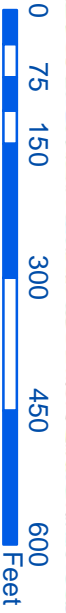


During

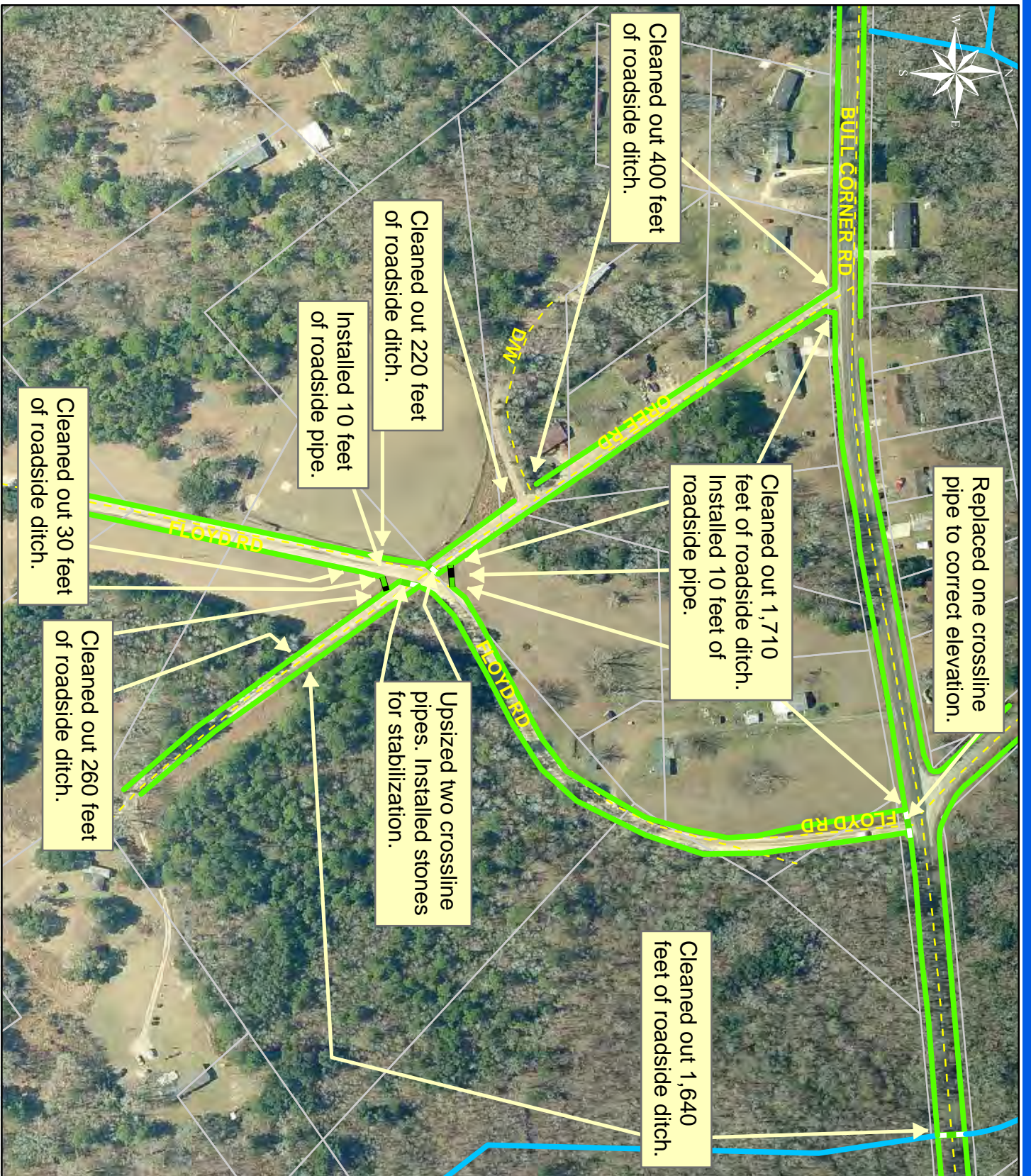


After





1 inch = 216 feet



Project: Oree Road, Bull Corner Road, and Floyd Road

Activity: Drainage Maintenance

Project #: 2011-543

Township: Sheldon

Completed: December 2010

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

Date Print: 4/20/11



Stormwater Utility

Project Report

Burton Wells Road and Sonya Faye Lane

Project Number: 2011-556

Start Month/Year: December 2010

Completion Month/Year: January 2011

Project Cost: \$42,627

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: There was standing water in Sonya Faye Lane and a portion of Burton Wells Road's roadside ditches.

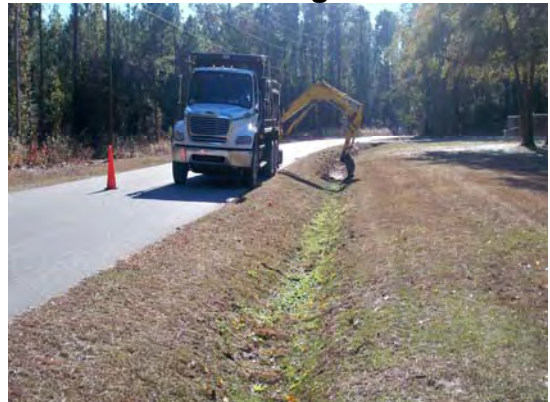
Resolution: This project cleaned out 800 feet of outfall ditch and 5,420 feet of roadside ditch. The Utility also installed straw mat and applied grass for stabilization.

Area Benefited: This project alleviated standing water from the roadside ditches of Sonya Faye Lane and a portion of Burton Wells Road. It also helped to drain the Beaufort County recreational ballpark adjacent to Burton Wells Road.

Before

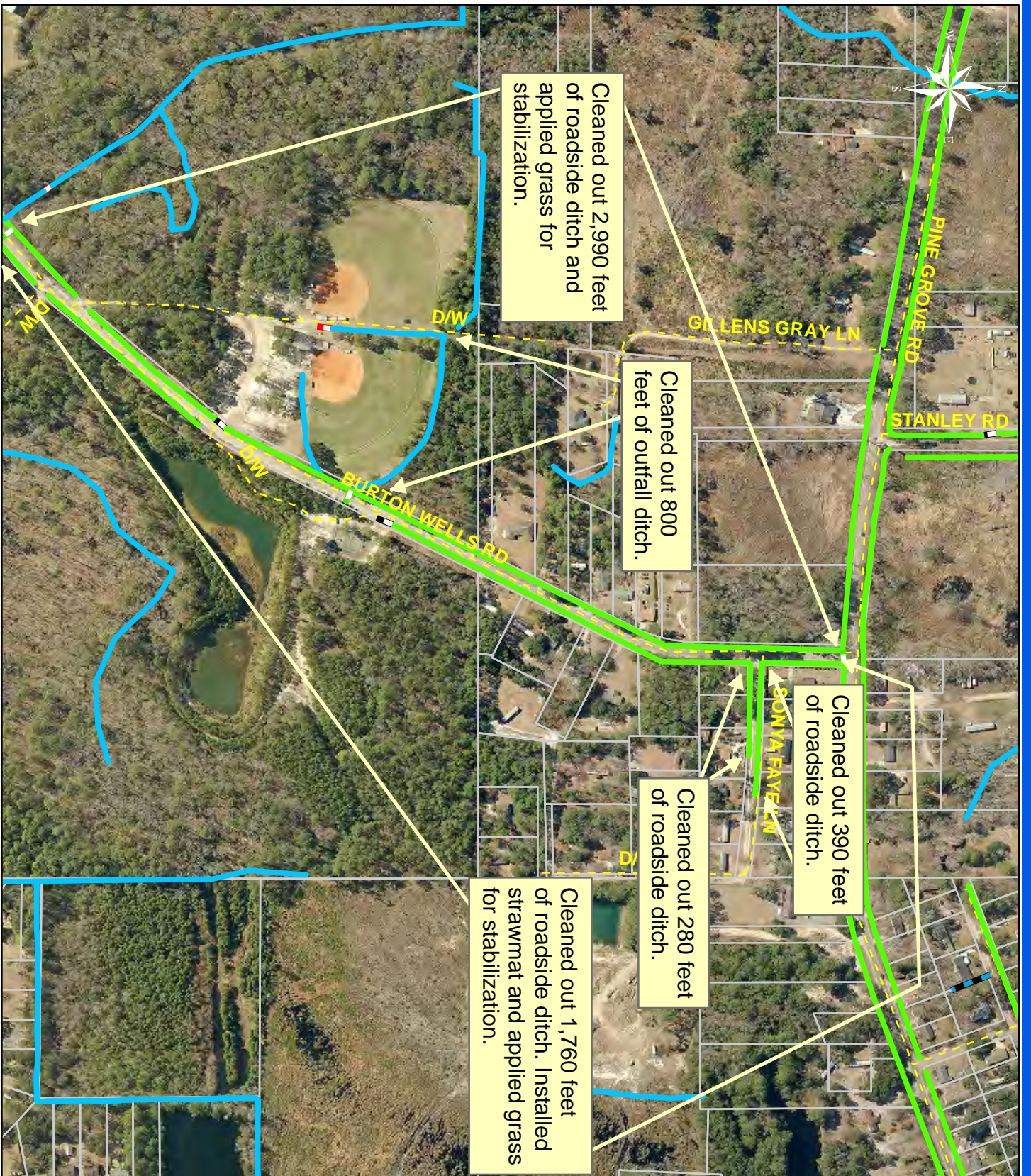


During



After





Project:
 Burton Wells Road
 and Sonya Faye
 Lane

Activity: Drainage
 Maintenance

Project #:
 2011-556

Township:
 Lady's Island

Completed:
 January 2011

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

Colonial Heights - Phase II

Project Number: 2011-047A

Start Month/Year: November 2010

Completion Month/Year: January 2011

Project Cost: \$131,446

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The access and easements for the drainage system within the subdivision were narrow, thus preventing the ditches behind and between houses to be routinely cleaned out.

Resolution: This project installed 1,750 feet of outfall pipe and extended one driveway pipe. The Utility also cleaned out one access pipe and three crossline pipes. Additionally, stones and grass were installed for stabilization.

Area Benefited: The project allowed the subdivision's drainage system to be routinely maintained. It helped drain the surrounding roads: Pulaski Drive, Pulaski Court, Walker Circle and a portion of and Colonial Avenue.

Before

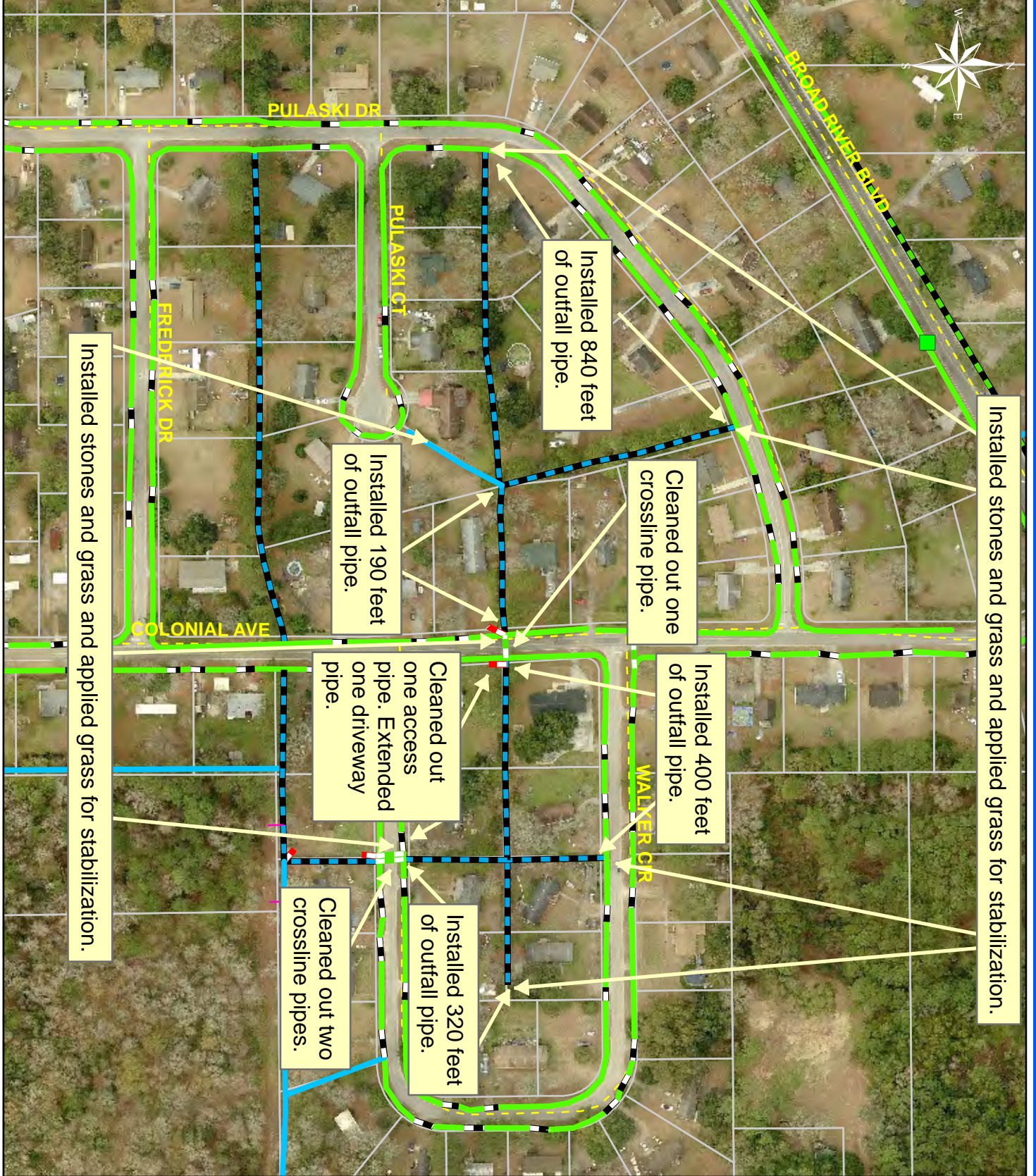


During



After





Installed stones and grass and applied grass for stabilization.

Installed 840 feet of outfall pipe.

Cleaned out one crossline pipe.

Installed 190 feet of outfall pipe.

Installed stones and grass and applied grass for stabilization.

Installed 400 feet of outfall pipe.

Cleaned out one access pipe. Extended one driveway pipe.

Cleaned out two crossline pipes.

Installed 320 feet of outfall pipe.

1 inch = 198 feet

Project:
Colonial Heights
Phase II

Activity: Drainage
Maintenance

Project #:
2011-047A

Township:
Port Royal Island

Completed:
January 2011

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

Date Print: 2/28/11



Stormwater Utility

Project Report

Colonial Heights - Phase III

Project Number: 2011-047B

Start Month/Year: January 2011

Completion Month/Year: February 2011

Project Cost: \$55,363

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The access and easements for the drainage system within the subdivision were narrow, thus preventing the ditches behind and between houses to be routinely cleaned out.

Resolution: Project cleaned out 1,990 feet of outfall ditch and maintenance access to prepare for pipe installation.

Area Benefited: The project allowed the subdivision's drainage system to be routinely maintained. It also helped to drain the surrounding roads: Walker Circle, Pulaski Court, and portions of Pulaski Drive and Colonial Avenue.

Before



During



After





1 inch = 247 feet

Project:
Colonial Heights
Phase III

Activity: Drainage
Maintenance

Project #:
2011-047B

Township:
Port Royal Island

Completed:
February 2011

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

Date Print: 3/16/11



Stormwater Utility

Project Report

Ernest Drive and Queens Road

Project Number: 2011-581

Start Month/Year: November 2010

Completion Month/Year: February 2011

Project Cost: \$51,379

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was standing water in the outfall ditch and the roadside ditches needed routine maintenance.

Resolution: This project cleaned out 10,480 feet of roadside ditch and 930 feet of outfall ditch. The Utility also installed stones and applied grass for stabilization.

Area Benefited: This project alleviated standing water and provided drainage for Ernest Drive, Paulik Place, and portions of Queens Road and surrounding properties.

Before



During



After



Project:
Ernest Drive and
Queens Road

Activity:
Drainage
Maintenance

Project #:
2011-581

Township:
St. Helena Island

Completed:
February 2011



Cleaned out 2,850 feet of roadside ditch. Installed stones and applied grass for stabilization.

Cleaned out 2,460 feet of roadside ditch. Installed stones and applied grass for stabilization.

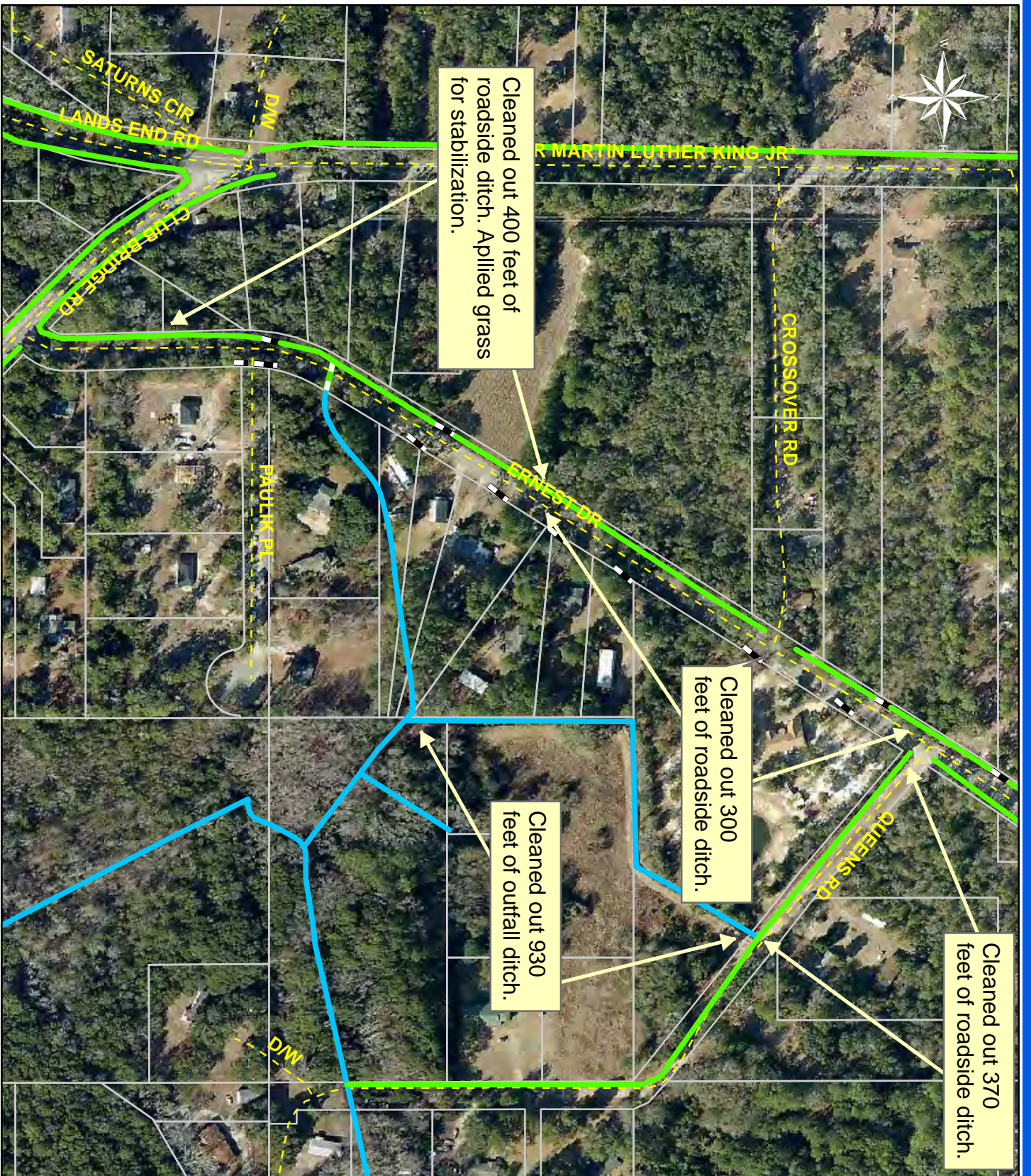
Cleaned out 4,100 feet of roadside ditch. Installed stones and applied grass for stabilization.

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

Date Print: 10/20/11



1 inch = 247 feet



Cleaned out 400 feet of roadside ditch. Applied grass for stabilization.

Cleaned out 300 feet of roadside ditch.

Cleaned out 930 feet of outfall ditch.

Cleaned out 370 feet of roadside ditch.

Project:
Ernest Drive and
Queens Road

Activity:
Drainage
Maintenance

Project #:
2011-581

Township:
St. Helena Island

Completed:
February 2011

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

Date Print: 10/20/11



Stormwater Utility

Project Report

Warsaw Island Road Outfall

Project Number: 2011-554

Start Month/Year: November 2010

Completion Month/Year: February 2011

Project Cost: \$29,529

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was stagnant water in portions of the outfall ditches and Warsaw Circle's roadside ditch. There were also complaints of mosquitoes.

Resolution: This project cleaned out 3,960 feet of outfall ditch. The Utility also installed one property drain pipe.

Area Benefited: This project allowed water to drain from the outfall areas. It also allowed drainage of the surrounding roads including Warsaw Island Road, Gardner Drive, and a portion of Warsaw Circle.

Before



During



After





1 inch = 400 feet



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

Project:
Warsaw Island
Road Outfall

Activity: Drainage
Maintenance

Project #:
2011-554

Township:
St. Helena Island

Completed:
February 2011



Stormwater Utility

Project Report

Airport Circle

Project Number: 2011-605

Start Month/Year: March 2011

Completion Month/Year: March 2011

Project Cost: \$20,903

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: A portion of Airport Circle flooded during high tide and rain events.

Resolution: This project improved 1,350 feet of drainage system and cleaned out 200 feet of outfall ditch and 1,150 feet of roadside ditch. The Utility also replaced one crossline pipe and installed three access pipes. Lastly, the Utility installed stones for stabilization.

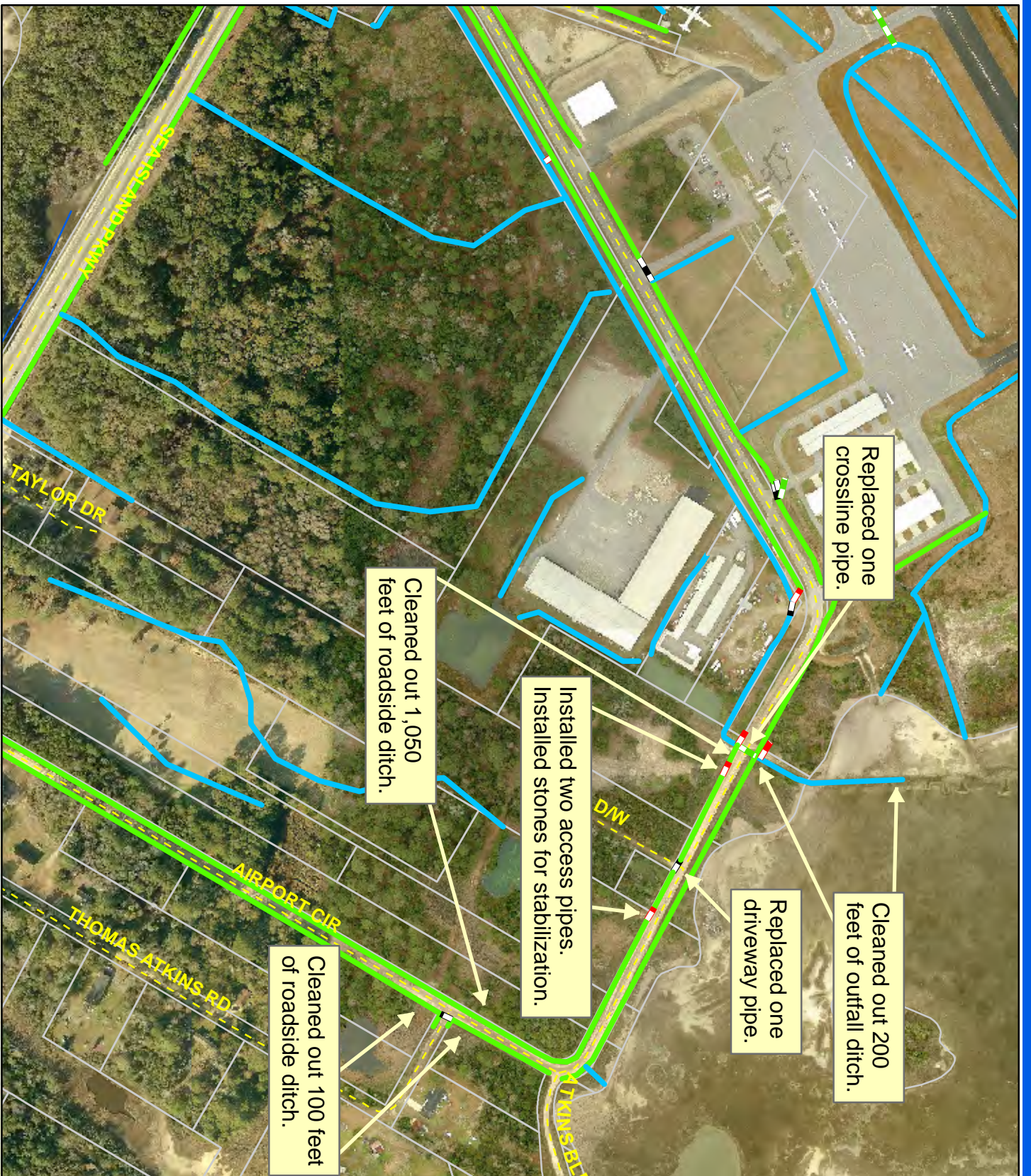
Area Benefited: This project allowed drainage for portions of Airport Circle, Thomas Atkins Road, and Atkins Boulevard.

During



After





Replaced one crossline pipe.

Cleaned out 1,050 feet of roadside ditch.

Installed two access pipes. Installed stones for stabilization.

Cleaned out 200 feet of outfall ditch.

Replaced one driveway pipe.

Cleaned out 100 feet of roadside ditch.

Project:
Airport Circle
Activity: Drainage Maintenance
Project #: 2011-605
Township: Lady's Island
Completed: March 2011

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

Burton Wells Complex

Project Number: 2011-594

Start Month/Year: January 2011

Completion Month/Year: March 2011

Project Cost: \$47,327

Tax District: 100 – Port Royal Island

Council District: 8

Drainage/Water Quality Issue: There was flooding and standing water on the baseball fields in the Burton Wells Recreation Center's complex.

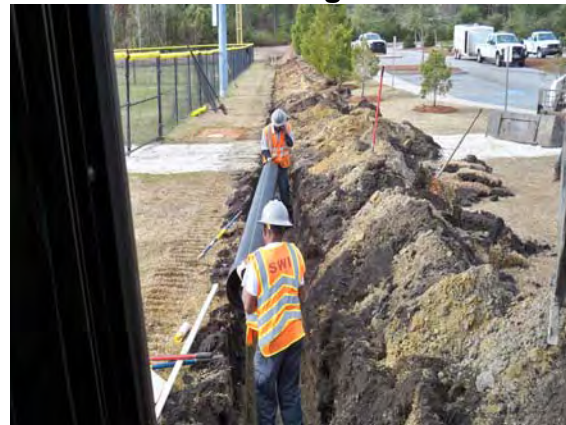
Resolution: This project removed blockage from the flowline, cleaned out 1,780 feet of roadside ditch, and constructed 370 feet of swale. The Utility also installed 240 feet of outfall pipe and repaired curb inlets, catch basins, a sinkhole, and washouts. Additionally, the Utility cleaned out five catch basins, one crossline pipe, and 190 feet of outfall pipe. Lastly, the Utility installed straw mat, stones, and grass for stabilization.

Area Benefited: This project alleviated flooding and standing water and provided drainage for a portion of the complex.

Before



During



After



Project:
Burton Wells
Complex

Activity: Drainage
Maintenance

Project #:
2011-594

Township:
Port Royal Island

Completed:
March 2011



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



Stormwater Utility

Project Report

Colonial Heights - Phase IV

Project Number: 2011-047C

Start Month/Year: February 2011

Completion Month/Year: March 2011

Project Cost: \$59,006

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The access and easements for the drainage system within the subdivision were narrow, thus preventing the ditches behind and between houses to be routinely cleaned out.

Resolution: The project installed 1,040 feet of outfall pipe and repaired a washout. Stones were also installed and grass applied for stabilization.

Area Benefited: The project allowed the subdivision's drainage system to be routinely maintained. It helped drain the surrounding roads: Walker Circle, Freemont Drive and portions of Pulaski Drive, Frederick Drive, and Colonial Avenue.

Before

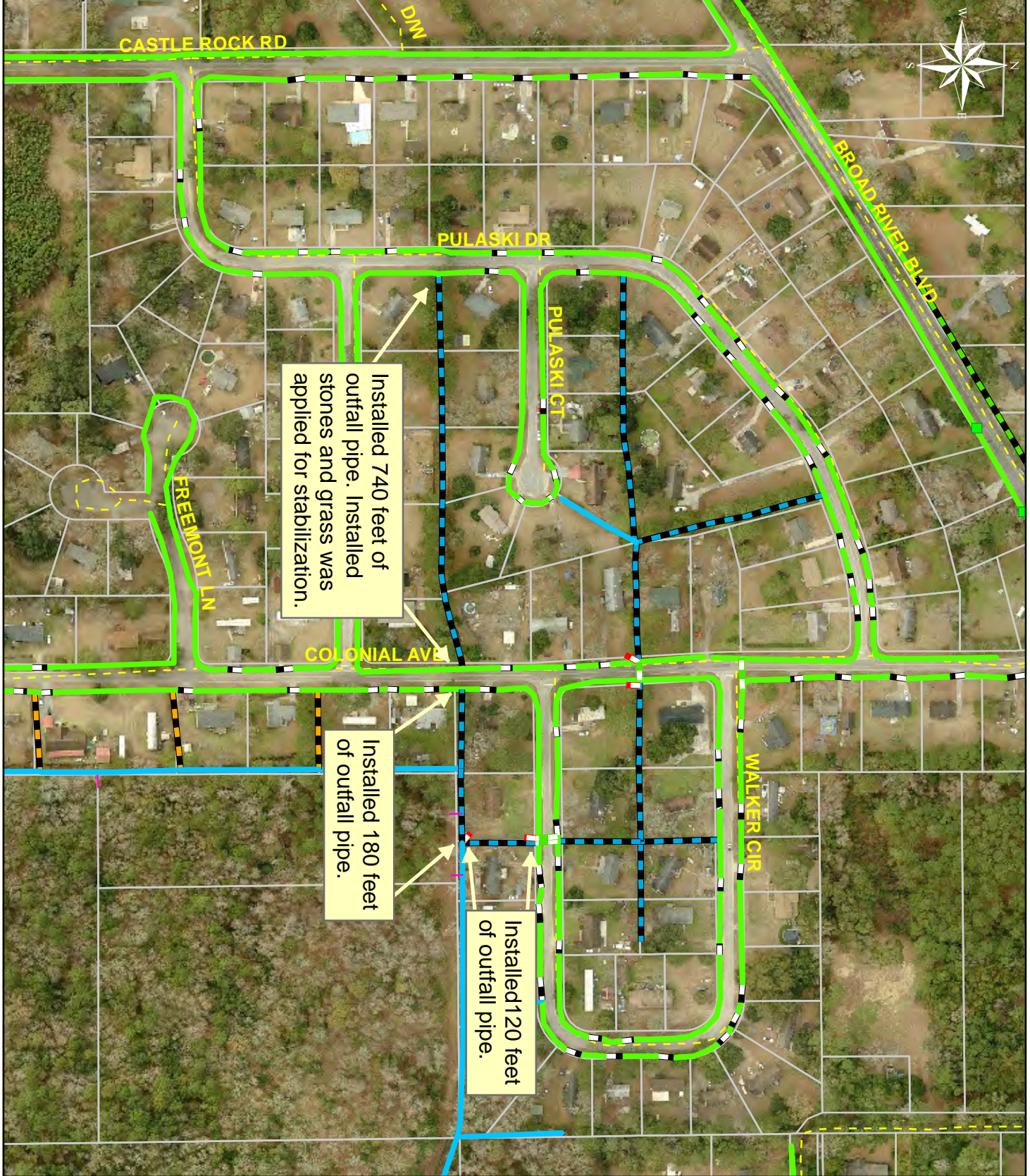


During



After





Project:
Colonial Heights
Phase IV

Activity: Drainage
Maintenance

Project #:
2011-047C

Township:
Port Royal Island

Completed:
March 2011

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

Date Print: 3/16/11



Stormwater Utility

Project Report

Sheldon Bush Hog

Project Number: 2011-303B

Start Month/Year: October 2010

Completion Month/Year: March 2011

Project Cost: \$46,300

Tax District: 700 – Sheldon

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 87,506 feet of outfall ditches and 13,930 feet of roadside ditches within the drainage system in Sheldon.

Area Benefited: This project provided routine maintenance for the following areas: Huspah Road, Wimbee Landing Road, Big Estate Circle, Horace Dawson Road, Horse Tail Road, Stroban Road, Gum Tree Lane, Jasmine Hall Road, Gray Road, Joseph Lane, Lightsey Road, George Williams Lane, Archie Sumpter Road, Mitchell Road, Bailey Road, Pap-Kee Lane, Prescott Road, Coker Road, Twickenham Plantation Road, Bailey Circle, Rail Bed Road, Robinson Hill Road, Johnson Road, Cuthbert Farm Road, and others.

Before



Stock Picture

During



Stock Picture

After



Stock Picture



Stormwater Utility

Project Report

St. Helena Island Bush Hog

Project Number: 2011-300B

Start Month/Year: November 2010

Completion Month/Year: March 2011

Project Cost: \$27,662

Tax District: 300 – St. Helena Island

Council District: 5

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 44,900 feet of outfall ditches and 830 feet of roadside ditches within the drainage system on St. Helena Island.

Area Benefited: This project provided routine maintenance for the following areas: White Sands Circle, Ephraim Road, Kelis Lane, Ann Fripp Community, Tombee Road, Toomer Road, No Man Land Road, Scott Hill Road, Peaches Hill Road, Candy Johnson Lane, Scott Hill Ballfield, Capers Island Road, Sycamore Road, Orange Grove Road, Faith Memorial Church, James Washington Road, and Bridgewood Road.

Before



Stock Picture

During



Stock Picture

After



Stock Picture



Stormwater Utility

Project Report

Colonial Heights - Pulaski Drive Phase V

Project Number: 2011-047D

Start Month/Year: February 2011

Completion Month/Year: April 2011

Project Cost: \$63,132

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The access and easements for the drainage system within the subdivision were narrow, thus preventing the ditches behind and between houses to be routinely cleaned out. Also there was standing water in the outfall ditch.

Resolution: This project cleared and cleaned out 870 feet of outfall ditch and 440 feet of lateral ditches. The Utility also installed 380 feet of lateral pipe, 80 feet of outfall pipe, and three property drain pipes. The outfall ditch and maintenance access were extended to provide drainage for more of the surrounding properties. Additionally, the Utility repaired a washout and installed stones and applied grass for stabilization.

Area Benefited: This project allowed for routine maintenance of the subdivision's drainage system and alleviated the standing water. This project also provided drainage for portions of Colonial Avenue and surrounding properties.

Before



During



After



Project:
 Colonial Heights -
 Pulaski Drive Phase
 V

Activity:
 Drainage
 Maintenance

Project #:
 2011-047D

Township:
 Port Royal Island

Completed:
 April 2011



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

Old Miller Road

Project Number: 2011-505

Start Month/Year: March 2011

Completion Month/Year: April 2011

Project Cost: \$26,455

Tax District: 600 – Bluffton

Council District: 4

Drainage/Water Quality Issue: Rain water runoff would drain slowly from Old Miller Road's roadside ditch to the outfall ditch.

Resolution: This project cleaned out 3,910 feet of roadside ditch and cleaned out two crossline pipes and two driveway pipes. The Utility also repaired a washout.

Area Benefited: This project improved drainage for portions of Old Miller Road and the newly paved Levant Road.

Before



During



After



Project:
Old Miller Road

Activity: Drainage
Maintenance

Project #:
2011-505

Township:
Bluffton

Completed:
April 2011



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

Possum Hill Road Outfall

Project Number: 2011-564

Start Month/Year: February 2011

Completion Month/Year: April 2011

Project Cost: \$50,932

Tax District: 100 – Port Royal Island

Council District: 8

Drainage/Water Quality Issue: During heavy rain events and high tides, a portion of Possum Hill Road and adjacent properties would flood.

Resolution: This project cleared and reconstructed 1,530 feet of outfall ditch. The Utility also constructed 400 feet of outfall ditch beyond the critical line and reconstructed 580 feet of maintenance access. Additionally, the Utility installed one access pipe and one property drain pipe and extended one access pipe. Also, the Utility cleaned out one crossline pipe. Lastly, stones were installed and grass applied for stabilization.

Area Benefited: This project relieved flooding for portions of Possum Hill Road and adjacent parcels. It also allowed drainage for portions of Joe Frazier Road, Jennings Road, Mint Farm Subdivision, and Battery Creek High School Complex.

Before



During



After





1 inch = 398 feet



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

Project:
 Possum Hill
 Road Outfall

Activity: Drainage
 Maintenance

Project #:
 2011-564

Township:
 Port Royal Island

Completed:
 April 2011



Stormwater Utility

Project Report

Sandhill Estates Subdivision - Sandhill Drive, Shannon Lane, Tammy Lane, Craig Lane and Chris Lane

Project Number: 2011-596

Start Month/Year: March 2011

Completion Month/Year: April 2011

Project Cost: \$66,182

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: Flooding was caused by the developer installing pipes of various sizes and constructing roadside ditches at the wrong elevation throughout the subdivision. Some pipes' diameters were too small to handle the volume of the rainwater runoff.

Resolution: This project cleaned out 7,890 feet of roadside ditch, upsized one driveway pipe, and reinstalled five driveway pipes to correct elevation. The Utility also cleaned out three crossline pipes, sixty-four driveway pipes, and 120 feet of roadside pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding within the subdivision.

Before



During



After



Cleaned out 1,050 feet of roadside ditch.

Cleaned out 780 feet of roadside ditch.

Cleaned out 1,500 feet of roadside ditch. Applied grass for stabilization.

Cleaned out 1,800 feet of roadside ditch.

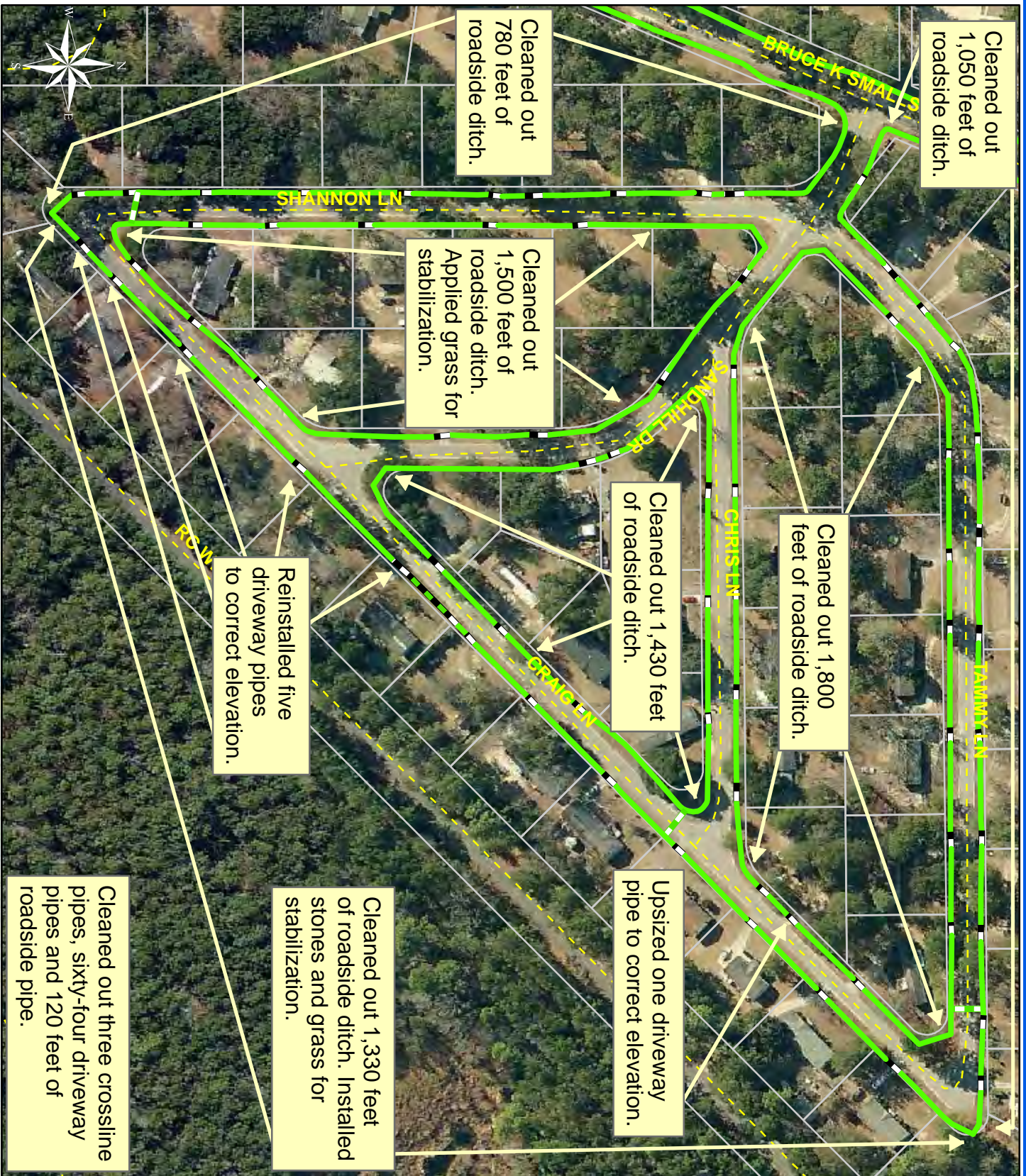
Cleaned out 1,430 feet of roadside ditch.

Reinstalled five driveway pipes to correct elevation.

Upsized one driveway pipe to correct elevation.

Cleaned out 1,330 feet of roadside ditch. Installed stones and grass for stabilization.

Cleaned out three crossline pipes, sixty-four driveway pipes and 120 feet of roadside pipe.



Project: Sandhill Estates
Subdivision - Shannon Lane, Craig Lane, Chris Lane, Tammy Lane, Sandhill Drive

Activity: Drainage Maintenance

Project #: 2011-596

Township: Port Royal Island

Completed: April 2011

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



Stormwater Utility

Project Report

Dawson/Haynes Outfall

Project Number: 2011-006

Start Month/Year: January 2011

Completion Month/Year: May 2011

Project Cost: \$97,358

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was stagnant water in the outfall ditches.

Resolution: This project cleared and constructed 4,690 feet of maintenance access and reconstructed 4,690 feet of outfall ditch. The Utility installed nine property drain pipes, eleven access pipes, two crossline pipes, 90 feet of outfall pipe, and two access gates. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project allowed drainage of the outfall ditches and provided drainage for Old Dawson Acres Road, Haynes Road, and a portion of Trask Parkway.

Before



During



After





Cleared and constructed 1,580 feet of maintenance access. Reconstructed 1,580 feet of outfall ditch.

Installed two access gates.

Installed 90 feet of outfall pipe.

Installed six property drain pipes and two access pipes.

Cleared and constructed 2,000 feet of maintenance access. Reconstructed 2,000 feet of outfall ditch.

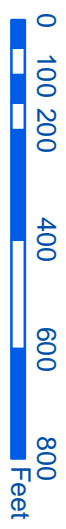
Applied grass for all affected outfall ditch areas for stabilization.

Installed five access pipes.

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

Installed two property drain pipes.

Cleared and constructed 1,110 feet of maintenance access. Reconstructed 1,110 feet of outfall ditch.



1 inch = 350 feet

Project:
Dawson-Haynes
Outfall

Activity: Drainage
Maintenance

Project #:
2011-006

Township:
St. Helena Island

Completed:
May 2011

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

Lady's Island Park

Project Number: 2011-569

Start Month/Year: March 2011

Completion Month/Year: June 2011

Project Cost: \$29,559

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: After the County began construction of the park and acquired the surrounding property, the outfall system needed to be extended to provide drainage for the park and surrounding properties.

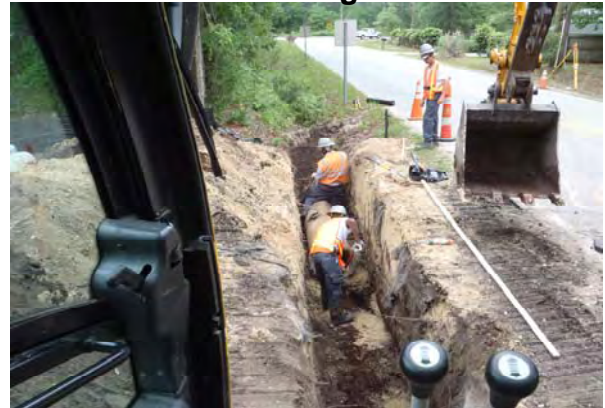
Resolution: This project cleared and reconstructed 380 feet of maintenance access and 1,170 feet of outfall ditch and cleaned out 470 feet of roadside ditch. The Utility also reinstalled one access pipe to correct elevation and cleaned out two crossline pipes. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for the park, and portions of Robin Way, Springfield Road, Mayberry Lane, Sam's Point Road, and surrounding properties.

Before



During



After



Project:
Lady's Island
Park

Activity:
Drainage
Maintenance

Project #:
2011-569

Township:
Port Royal Island

Completed:
June 2011



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



Stormwater Utility

Project Report

Langford Road

Project Number: 2011-577

Start Month/Year: May 2011

Completion Month/Year: June 2011

Project Cost: \$21,643

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: During heavy rain events, Langford Road would flood. The ditch was clogged with trash and discarded household appliances.

Resolution: This project cleaned out 2,920 feet of roadside ditch. The Utility also installed two access pipes and one crossline pipe. In addition, the Utility cleaned out one driveway pipe and three crossline pipes. Lastly, the Utility installed stones for stabilization.

Area Benefited: This project alleviated flooding of the road.

Before

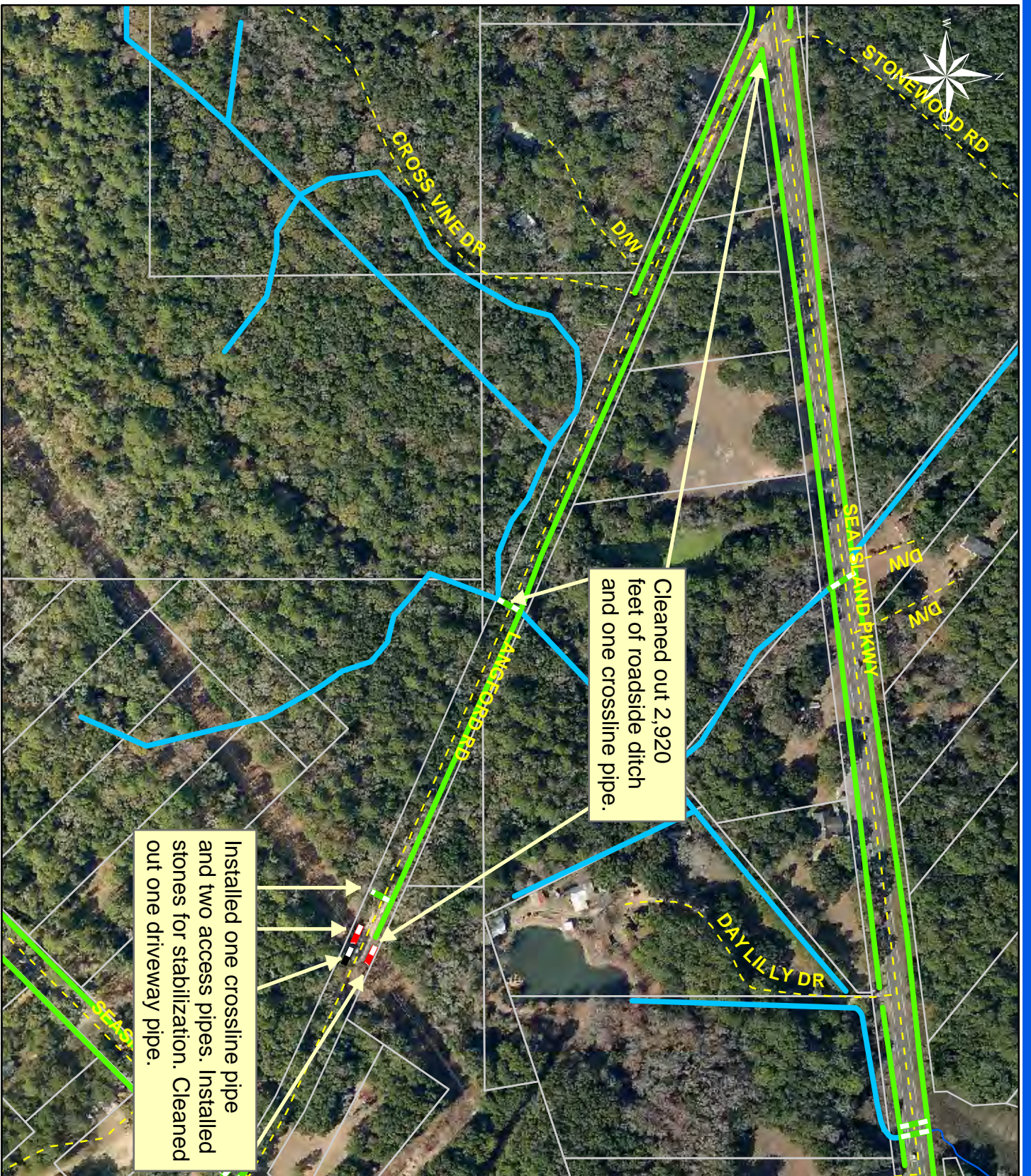


During



After





Project:
Langford Road

Activity: Drainage
Maintenance

Project #:
2011-577

Township:
St. Helena Island

Completed:
June 2011

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



Stormwater Utility

Project Report

Wimbee Landing Road

Project Number: 2011-635

Start Month/Year: May 2011

Completion Month/Year: June 2011

Project Cost: \$31,899

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During heavy rain storms there would be standing water in the ditches and adjacent yards at the intersection of Wimbee Landing Road and Keans Neck Road.

Resolution: This project removed fallen trees from the outfall ditch, mowed 5,780 feet of roadside ditch; and cleaned out 5,590 feet of roadside ditch. The Utility also cleaned out eighteen driveway pipes and a crossline pipe.

Area Benefited: The project allowed drainage of the affected properties near the intersection and portions of Wimbee Landing Road and Keans Neck Road.

Before



During



After



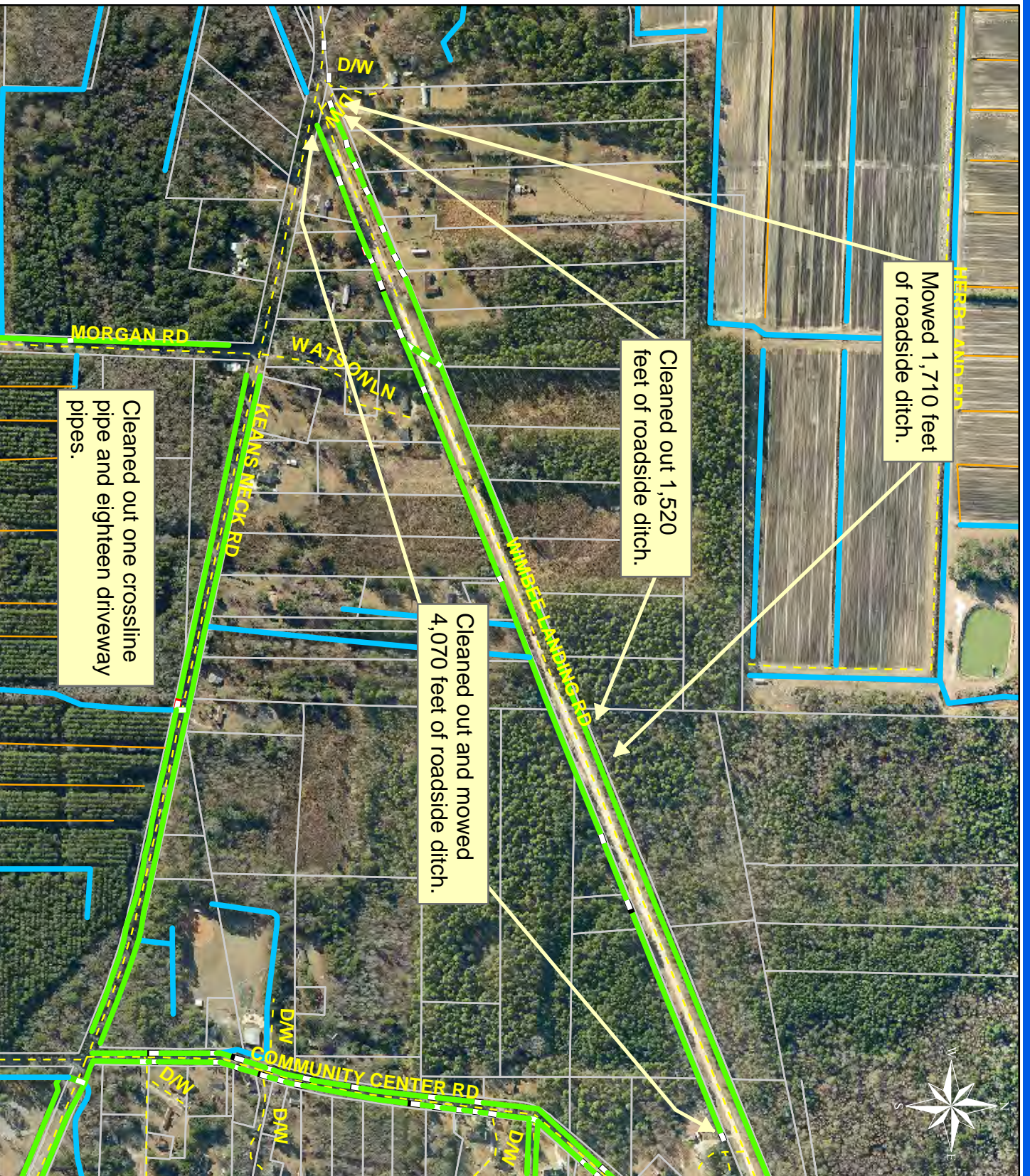
Project:
Wimbee Landing
Road

Activity: Drainage
Maintenance

Project #:
2011-635

Township:
Sheldon

Completed:
June 2011



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