



Ten Year Stormwater Utility Report 2001-2011



Photo by Scott Hansen

Stormwater Utility Beaufort County, South Carolina

**Ten Year Stormwater Utility Report
of the
Beaufort County
Stormwater Utility**

Issued by

**Beaufort County Stormwater Utility
120 Shanklin Road
Beaufort, South Carolina 29906**

And

**Beaufort County Finance Department
Post Office Drawer 1228
Beaufort, South Carolina 29901-1228**

Cover Photo

This photo was taken at the Gay Seafood Company on St. Helena Island. Beaufort County citizens take pride in protecting their water resources and it encompasses the essence of the Lowcountry. The County has over 85% of the designated shellfish harvesting waters open for harvesting. The County's Stormwater Utility was created to address drainage issues and to protect our water uses. This photo was taken by Scott Hansen and it won the 2010 Association of Watershed and Stormwater Professionals' photograph contest.



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Introduction



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**Stormwater Utility Report
For
Citizens and Stormwater Fee Payers of Beaufort County**

The Beaufort County Stormwater Utility (the Utility) was formed by ordinance in 2001. To mark ten years of service to the citizens of the County, the County Administrator, Gary Kubic, directed a report be developed to inform the citizens of what the Utility had achieved in its first ten years. He further directed that the Utility project reports be applied with agreed-upon procedures so that the citizens could have an independent assessment of the activities that collected over \$50 million for the County and municipalities and directed over \$25 million to improving drainage and protecting our water resources in the unincorporated County.

This report starts out with a history of the Utility's establishment and the direction the Utility has taken in its first ten years. It then presents in continuing sections, all 864 County projects completed by year, and detail reports on the 171 projects that were over \$20,000 in cost. The last section presents the plan to maintain the improvements that have been made as the Utility moves on to address the next challenge of restoring shellfish harvesting impairments in some of our County's waters.

On Behalf of the Stormwater Utility

A handwritten signature in blue ink that reads "Daniel B. Ahern".

Daniel B. Ahern P.E. BCEE
Manager
Beaufort County Stormwater Utility

Stormwater Utility – History and Regulations

What is the Stormwater Utility and What does it do?

Stormwater runoff is generated when precipitation from rain events flows over land or impervious surfaces (paved streets, parking lots, and building rooftops) and does not percolate into the ground or return to the atmosphere. Development in Beaufort County has increased its impervious surface area. Impervious surfaces have three impacts on stormwater runoff:

- The runoff flows quicker off the land
- The runoff accumulates debris, chemicals, and other pollutants
- The amount of runoff increases and more runoff reaches the County's tidal waters

Scientific studies have linked the percentage of impervious surface to the health and water quality of our County's waters. As the percentage of impervious surfaces increases, water quality decreases. The County has adopted goals on the percentage of impervious surface that it will try to maintain in order to protect the County's water resources. When development exceeds these percentages, controls are required to reduce the impact of the stormwater discharges caused by the impervious surface back to an equivalent impervious surface goal percentage. This metric (originally called effective imperviousness) measures how effectively impervious surface is reduced relative to pre-development pervious surface runoff.

The primary method to control stormwater discharges is the use of best management practices (BMPs).

In addition, most stormwater discharges are considered point sources and can require coverage under a federal mandated permit. Currently, Beaufort County is not under these permits and regulatory control is maintained by the South Carolina Department of Health and Environmental Control (SC DHEC). Beaufort County stormwater requirements are more protective than South Carolina requirements and currently supplement the state requirements.

Background on Forming the Stormwater Utility

In the Fall of 1995, SC DHEC closed 500 acres of shellfish harvesting waters in the Broad Creek on Hilton Head Island because of high fecal coliform (bacteria) counts. There were a number of local citizens that took this as a wake-up call and formed a

group now known as the Clean Water Task Force. This group established a dual objective:

- Encourage the clean-up of polluted County waters
- Identify what must be done to prevent additional County waters from becoming polluted

The group spent over a year consulting the best resources in South Carolina and over fifty federal, state, and local officials donated their time in development of a major 1997 report called the *Blueprint for Clean Water*. This report offered specific (over 60) recommendations and a challenge that “if, implemented, will catapult our County into the vanguard of communities that are serious about protecting their natural environment.” There were ten recommendations that they felt merited special attention. One of them was:

“Beaufort County Should Improve Its Stormwater Standards for New Development”

This step challenged Beaufort County in 1997 to adopt a set of new stormwater BMPs that would exceed the current state standards. In 1998, the County responded with the development of a BMP manual that specified credits for practices that would control new development to ‘equivalent’ impervious surfaces that would not impact the County’s waters. Additionally in 1998, the first target pollutant was designated as phosphorus. An anti-degradation goal of ten percent ‘effective/equivalent’ impervious surface was also adopted. This important water quality effort was supplemented in 2003 with controls for the second targeted pollutant, bacteria (fecal coliform). Since bacteria was such a critical pollutant, due to the amount of shellfish harvesting in the County, the decision was made to set a goal of five percent ‘effective/equivalent’ impervious surface for this pollutant. The final improvement in water quality came in 2008 with controls on nitrogen.

Another of the top ten steps was:

“Beaufort County, in Cooperation with the Town of Hilton Head Island and Other Municipalities, Should Establish a Stormwater Utility (or some equivalent institutional capacity) to Inspect, Maintain and Repair Stormwater Management Systems.”

This recommendation led to the forming of the Beaufort County Stormwater Utility (the Utility) in 2001.

Prior to the establishment of the Utility, drainage work was performed by the County’s Public Works Department with the assistance of dedicated stormwater funds like the Del Webb Drainage Fund.

Stormwater Utility – Early Years 2001 to 2006

There were two significant documents that focused on the formation and operation of the Utility. The first was the Beaufort County ordinance forming the Utility, which was enacted on September 10, 2001. The other significant document was the intergovernmental agreement (IGA) between the County and each of the four municipalities (Town of Hilton Head Island, Town of Bluffton, Town of Port Royal, and City of Beaufort) that outlined the relationship and support between the Utility and municipalities. These agreements were signed in September 2001 and were effective for a period of 10 years.

The ordinance established a preliminary fee system and most of the funds collected were directed to correcting known flooding and maintenance issues.

Besides addressing maintenance and repair of the stormwater management systems, about a quarter of the fees were directed to efforts on three special projects:

- The County-Wide Stormwater Management Study
- The Cost of Service Analysis and Rate Study
- Funding of aerial surveys to develop elevation maps

The IGA specified that set portions of funds collected from Utility user fees on properties in the municipalities would fund Utility administration and the listed above special projects. The remainder would be returned to municipalities so they could maintain the stormwater systems within their jurisdictions.

The Rate Study was completed in 2005 and led to the passing of a new and current County Stormwater ordinance on August 22, 2005. Subsequently, the County-Wide Stormwater Management Study was completed in February 2006. This comprehensive study outlined a ten year plan (the Plan) with recommended levels of effort for nine master plan elements:

- Stormwater Control Regulation
- Primary Stormwater Management System Enhancements
- Water Quality Controls for Existing Development
- Water Quality Monitoring
- Annual Maintenance
- Inventory of Secondary Stormwater Management Systems
- Additional Study and Analysis
- Public Information
- Utility Administration

Stormwater Management Plan Implementation – 2007 to Present

After the approval of the Plan by the County and the municipalities, the focus of the Utility was to align budgeted efforts to those recommended by the Plan.

The Utility adopted a vision and mission statement to help guide it in this alignment. It was:

Vision Statement

Efficient Utility Addressing the Stormwater Needs of the County, while Protecting its Water Resources.

Mission Statement

Dedicated to the management, construction, maintenance, protections, control, regulation, use, and enhancement of stormwater systems and programs in Beaufort County in concert with other water resource management programs.

In order to better coordinate implementation of the Stormwater Management Plan, a significant meeting between senior County and municipal staff was held in early 2008. This led to the formation of the Stormwater Implementation Committee (SWIC), which is composed of County and municipal representatives. The SWIC was charged with:

- Developing annual recommendations to better implement the Management Plan
- Coordinating Stormwater activities in the County

The SWIC was later charged with recommending operational alternatives under expected stormwater permits and developing wording on the second round of ten year IGAs that started in 2011.

These efforts were challenged by another significant water use issue in the May River in 2009. Investigating the cause of the closing of 900 acres to shellfish harvesting in the May River headwaters uncovered the fact that the third impact (increased runoff volume) of new impervious surfaces was more significant than originally thought. The Utility learned that the addition of additional freshwater, even if it had its pollutants removed, could have adverse effects on the County's salty tidal water resources. This led to a fresh look at the Utility's control requirements and a series of new requirements were enacted between 2009 and 2011.

In 2009, with concerns on the total volume of stormwater runoff, the County adopted total volume controls on rain events below 1.95 inches. This was the 95th percentile of average rainfall events in a year and met the existing water quality requirements. The County adopted additional controls in 2011 to address impacts from new homes that did not have community wide controls. These Low Impact Development (LID) controls led to the understanding that controlling runoff volume was not additional controls but a better way to protect our water resources in Beaufort County.

This placed Beaufort County “into the vanguard of communities that are serious about protecting their natural environment”, as suggested in the *Blueprint for Clean Water*.

The Utility’s effort in this area has been taken out to state, regional, and national forums and the Utility was asked to present their practices to the Chesapeake Bay Stormwater Training Partnership. The County received the 2012 National Association of Counties (NACo) Achievement Award for its program on Stormwater Runoff Volume Controls.

Utility Looking Ahead

The impact of the *Blueprint for Clean Water* and its local support led to many of its recommendations being implemented. A ten year retrospective of this study created in 2008 by the Water Quality Committee of the Together for Beaufort initiative, determined that over 80% of its recommendations were enacted. This committee also recommended a new list of top ten steps to be considered.

The County now believes that it has adequate protection requirements for future development and will not see additional water quality impairments. This was the prevention side of its efforts. This leaves the large restoration effort of addressing water quality impairments caused from development before water quality and volume controls were required. This was a major focus of the Stormwater Management Plan “*Water Quality Controls in Existing Development*” and the Utility has decided to approach this on a watershed basis. Two additional watersheds (May River is an existing watershed effort), the Battery Creek and the Okatie River, have been selected for a five-year effort to restore and remove current impairments to the designated water uses.

This effort will take many years to achieve and the Utility will be looking at various methods to achieve the goal of reducing impaired waters.

In 2010, the Utility developed its Extent of Service (EOS) and Level of Service (LOS) documents. These were developed with current Utility capabilities in mind. They highlighted that there were some areas of the Utility’s drainage system that could not be maintained because of the Utility’s capacity and because it did not have appropriate

access to some of the drainage systems. Decisions will have to be made concerning these EOS and access efforts.

Another challenge for the Utility will be operation under the expected Stormwater permit now called the MS4 permit (Municipal Separate Small Storm Sewer System). This is expected to take effect in 2014 and will require additional efforts in monitoring construction and illicit discharge inspection.

Addressing these challenges, while maintaining the County's restored drainage system, will be the focus of future Stormwater Utility efforts.

Ordinances and Guidance

Ordinances with Code of Ordinances Municode Chapter

- 2005 SW Utility Ordinance – Chapter 99
- Expected 2012 Form-Based Stormwater Ordinance
- Current Zoning and Development Standards Ordinance – Chapter 106, Article XIII, Division 4

Guidance, Agreements and Other Requirements – Found on Stormwater Web Page at www.bcgov.net/stormwater

- 2006 SW Management Plan
- 2012 BMP Manual
- 2010 Extent of Service (EOS)
- 2010 Level of Service (LOS)
- 2007 Credit and Adjustment Manual
- 1997 Blueprint for Clean Water
- 2011/2012 Utility IGAs
- 2011 Watershed Restoration Program



Audit Report

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Independent Accountants' Report On Applying Agreed-Upon Procedures

May 18, 2012

Mr. David A. Starkey, CPA
Chief Financial Officer
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We have performed the procedures enumerated below, which were agreed to by Beaufort County (the County), solely to apply agreed-upon procedures to the expenses surrounding the drainage improvement projects of the Beaufort County Department (Stormwater), for fiscal years 2003 through 2011. The County's management is responsible for the County's accounting policies and recordkeeping. This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of those parties specified in the report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

Our procedures and findings are as follows:

1) **Procedure:**

Review Stormwater Project Summary by fiscal year. Select a sample from projects that exceed \$20,000 and ensure that the sample selected provides 55% coverage of the total amount spent in each fiscal year.

Findings:

We selected 138 projects using a random methodology, each exceeding \$20,000, the total of all projects selected was \$8,093,897. This sample effectively exceeded the desired coverage of 55%. Support for these projects was furnished by Stormwater. Support was not available for 7 projects selected for testing. Due to the age of the projects, it is likely that these records were destroyed, since they are approaching the end of the established document retention window. Of the projects with support provided, the total net variance identified by procedures performed amounted to \$6,052 and 0.08% for the total sample of projects selected. See **Appendix A** for the sample selected and the projects missing support.

Management's Response:

The older projects' supporting documents are no longer being retained. Stormwater does not plan to change our retention policy.

2) Procedure:

From the sample selected for testing in the previous procedure, review individual spreadsheets provided and ensure that the total amount from the spreadsheet agrees to the Stormwater Project Summary Schedule.

Findings:

Of the 138 projects selected for testing, a total of 7 projects did not agree to the Stormwater Project Summary Schedule. The cumulative difference noted was \$3,565. All of these variances were corrected for report presentation purposes.

Management's Response:

During the preparation process some variances were noted, corrected, and the project summaries updated. These revised totals were eventually updated on the summary schedule. We will continue to conduct internal audits of projects to reduce these variances.

3) Procedure:

From the spreadsheets provided, agree all material costs over \$100, equipment costs, and direct and indirect labor costs to supporting documentation within reason.

Findings:

Condition 1: During our testing of material costs exceeding \$100, multiple variances were noted when comparing the costs per the project summary to supporting documentation. These variances netted to (\$28,637) and (0.35%), for the sample of projects selected from fiscal year 2003 to fiscal year 2011. See **Appendix B** for details of these variances by project. The variances noted surrounding material costs signify the misapplication of allocation methodology on the Stormwater Project Summary Schedule and does not necessarily represent an incorrect cost, or cash disbursement, of the County.

Criteria: All material costs charged to a job should be supported by an invoice from that time period. Additionally, the amount of material used on a project should be supported by Project Daily Summary Worksheets, which are completed by Stormwater employees each day, and compiled by administrative personnel at the end of the project. Lastly, certain materials do not have a specific supporting invoice due to the nature of the materials. These are allocated to projects as follows:

- Fill Dirt – Charged at \$1 per ton
- Water – Charged at \$0.01 per gallon
- Gas and Diesel Fuel– Charged to projects per gallon, at the monthly average cost of fuel purchased by the County.

Cause: Historical prices used to allocate specific materials to projects were not sufficiently tracked, creating difficulty in producing an invoice that agrees to the allocated price. Additionally, inconsistency in the completion of the Project Daily Summary Worksheets created variances when recounting the amount used on specific projects.

Effect: The purpose of defining a method of allocation is to create consistency in the application of material costs so projects are comparable and summaries are useful to management. When material quantities and/or costs are erroneously recorded, incorrectly charged, or misapplied, the resulting variances affect the manner in which a project is evaluated, and distorts the perceived cost to the County.

Management's Response:

Materials that are routinely used to complete a project are often purchased in bulk and dispensed as needed. Most of the variances were due to the unit cost of the material being applied without the sales taxes being taken in to consideration or a lag in the unit cost being updated once the materials had been purchased to replenish the stock supply. The County is implementing software with the capability to track project costs, including the purchase of materials. Errors have been reduced with the material unit costs being routinely entered into the system as the materials are purchased. The potential for human error has been significantly reduced with this information being entered by only one employee. However, all employees with access to this system can review the unit costs.

Condition 2: During our testing of equipment costs charged to projects, we noted variances between supporting documentation and the individual project spreadsheets, netting to \$6,944 and 0.09% from fiscal year 2003 to fiscal year 2011. Once again, these variances only represent the cost allocated to each project and are not necessarily a County incurred expense, or disbursement of cash. See **Appendix C** for details by project.

Criteria: Equipment is charged to individual projects on an hourly basis. The hourly rate is determined based on the annual depreciation, calculated using the straight-line method, plus the estimated annual maintenance and insurance. The annual figure is then divided by the anticipated number of hours it will be used per year. The rates charged for each piece of equipment are updated annually. Equipment usage on individual projects is tracked using the Project Summary Daily Worksheets, which are completed by Stormwater employees each day.

Cause: Inconsistency in the completion of the Project Summary Daily Worksheets, and at times legibility issues, created variances when recounting the hours of equipment usage on specific projects. In some instances, the hourly rate charged for specific pieces of equipment did not agree to the supporting spreadsheet due to manual entry errors during compilation.

Effect: When equipment usage is erroneously recorded, or misapplied, these variances affect the manner in which a project is evaluated, and distorts the perceived cost to the County.

Management's Response:

The County is implementing software with the capability to track project costs, including the equipment hourly rate and the number of hours. This system allows data provided by the construction crews to be entered daily, which allows a routine daily review of the information being provided by the crews. Any questions because of legibility can be resolved in a timely manner. Also the hourly cost of equipment is entered by one employee and is updated annually.

Condition 3: During our testing of the labor cost allocations, we noted variances between the established allocation methods, which vary by year, and the individual project spreadsheets. Additionally, we discovered variances between the labor hours indicated on Project Summary Daily Worksheets per our recount and the amounts charged on the project spreadsheet. The net variance amounted to \$27,745 and 0.34% for fiscal years 2003 through 2011. This variance is an allocation issue only and is not necessarily indicative of additional County expenses or cash outflows. See **Appendix D** for details by project.

Criteria: Labor is charged to a project based on the individual's hourly salary plus an additional 30% allocation to account for fringe benefits. Beginning in fiscal year 2009 an additional percentage was added to individual hourly rates to account for indirect labor. This percentage varies by year and is used to capture costs not directly charged to projects. Labor hours on projects are tracked using the Project Summary Daily Worksheets, which are completed by Stormwater employees each day.

Cause: The most significant portion of the variance noted was due to an over allocation of fringe benefits in fiscal year 2009. This error occurred due to a formula within the project spreadsheets, which added fringe benefits in years prior. Since the fringe benefits were already included in the hourly rate starting in fiscal year 2009, this formula effectively double counted fringe benefits and overstated labor costs for each project. Additionally, inconsistency in the completion of the Daily Cost Worksheets, and at times legibility issues, created variances when recounting the labor hours on specific projects.

Effect: When labor hours and/or costs are erroneously recorded or misapplied, these variances affect the manner in which a project is evaluated, and distorts the perceived cost to the County.

Mr. David A. Starkey, CPA
May 18, 2012

Management's Response:

The County is implementing software with the capability to track project costs, including labor hourly rate (to include the hourly wage and actual fringe benefits) and the number of labor hours. This system allows data provided by the construction crews to be entered daily, which allows a routine daily review of the information being provided by the crews. Any questions because of legibility can be resolved in a timely manner. Also the hourly labor rates are entered by one employee and are updated annually. Additionally there has been procedures implemented to ensure labor rates are updated when an employee hourly wages have been increased due to a promotion. Previously, administrative personnel and supervisory personnel did not consistently provide documentation of their hours for each project. They are now required to provide documentation along with the labor hours being entered.

4) **Procedure:**

Ensure that the total amounts from each project, including any revisions made during our procedures, agree to the final compiled document.

Findings:

The final compiled document was not adjusted for variances identified through the applied procedures and represents the unadjusted project cost. However, certain projects were adjusted during fieldwork for variances discovered by Stormwater, creating minor differences between the presented project cost and the unrevised project cost presented on **Appendix A**. These differences are included in the Net Variance Noted column of **Appendix A**.

We were not engaged to, and did not conduct an audit, the objective of which would be the expression of an opinion on the accounting records. Accordingly, we do not express such an opinion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

This report is intended solely for the information and use of Beaufort County and is not intended to be and should not be used by anyone other than the specified party.



Holland, Henry & Bromley, LLP
Savannah, Georgia



Project Summaries



BEAUFORT COUNTY STORMWATER UTILITY
120 Shanklin Road
Beaufort, South Carolina 29906
Voice (843) 255-2801 Facsimile (843) 255-9478



Project Summaries Introduction

This chapter summarizes the drainage improvement and maintenance activities by fiscal year. This listing indicates approximately \$13 million of the \$25 million directed by the Utility that went to these drainage improvement and maintenance activities. The Utility staff tracks and allocates costs for each drainage project. The procedures performed over this effort (previous section) indicate that the amount of costs that allocated to projects had an error rate of less than 0.08%.

The remaining costs were utilized for the following purposes:

- A. Preparation of the 2006 Stormwater Management Plan (SMP), which included special elevation work done by aerial photography
- B. 2005 Development of the Stormwater fee rate structure and consultant support on fee determinations
- C. Ongoing management costs of operating the Utility
- D. Considerable effort of the Utility staff and contract costs to implement the other program elements identified in the SMP. The program elements besides improvement and maintenance activities included:
 - a. Public education and outreach
 - b. Addressing road overtoppings (flooding)
 - c. Water quality controls for existing development
 - d. Water quality monitoring
 - e. Stormwater control regulations
 - f. Additional and on-going studies and analyses

The Utility staff is proud of the work they have accomplished for the County and will continue to serve the citizens and fee payers in accordance with its vision of being an "efficient Utility addressing the stormwater needs of the County while protecting its water resources".

A handwritten signature in blue ink that reads 'Carolyn Wallace'.

Carolyn Wallace
Business Manager
Stormwater Utility

Fiscal Year (FY)

Location	2003	2004	2005	2006	2007
Unincorporated County	\$337,236	\$501,592	\$610,648	\$467,765	\$777,347
Town of Port Royal	-	4,152	-	-	1,540
City of Beaufort	-	7,678	3,171	217,559	572,767
Town of Hilton Head Island	-	18,401	62,982	79,296	75,966
Town of Bluffton	-	-	-	976	40,870
Total	\$337,236	\$531,823	\$676,801	\$765,596	\$1,468,491

Council District	2003	2004	2005	2006	2007
1	-	-	-	15,427	13,437
2	-	18,401	54,633	57,294	16,593
3	-	-	8,349	6,576	51,538
4	-	81,392	18,447	19,021	426,068
5	87,731	54,650	69,497	48,742	10,414
6	39,477	111,469	203,225	122,933	111,181
7	202,346	194,864	6,263	12,541	120,209
8	4,007	26,754	62,395	144,268	133,685
9	1,932	30,689	253,873	305,337	581,090
10	1,744	-	119	-	515
11	-	13,606	-	33,457	3,761
Total	\$337,236	\$531,823	\$676,801	\$765,596	\$1,468,491

Fiscal Year (FY)

Location	2008	2009	2010	2011	Total
Unincorporated County	\$1,379,154	\$1,605,993	\$2,889,182	\$2,550,924	\$11,119,842
Town of Port Royal	1,176	2,217	15,370	4,625	29,080
City of Beaufort	64,324	87,327	84,152	666	1,037,644
Town of Hilton Head Island	218,862	322,614	22,436	3,171	803,728
Town of Bluffton	94,313	19,000	3,048	-	158,207
Total	\$1,757,829	\$2,037,152	\$3,014,188	\$2,559,386	\$13,148,501

Council District	2008	2009	2010	2011	Total
1	4,260	-	5,025	9,335	47,485
2	107,250	209,447	16,170	5,703	485,490
3	107,352	116,869	1,240	\$0.00	291,924
4	507,805	68,959	181,780	107,091	1,410,562
5	194,826	251,845	679,352	278,688	1,675,744
6	232,721	639,086	1,316,953	837,839	3,614,882
7	87,656	278,613	284,756	285,401	1,472,649
8	43,497	136,785	302,080	354,010	1,207,482
9	467,367	307,514	221,332	608,693	2,777,826
10	240	21,695	1,641	54,334	80,286
11	4,855	6,339	3,860	18,293	84,170
Total	\$1,757,829	\$2,037,152	\$3,014,188	\$2,559,386	\$13,148,501

Project Summaries For Fiscal Year 2003

Project Number	Project Name	Council District	Completion Month	Amount
2002-10	North Brickyard Outfall	7	August 2002	\$ 19,060
2002-12	St. Helena Elementary Outfall	5	August 2002	8,702
2002-60	Vinyard Point Road	5	September 2002	2,316
2002-16	Sycamore Hill/David Green/Capers Island	5	October 2002	11,948
2002-18	Warsaw Island Outfall	5	October 2002	22,186
2002-29	Lost Island Road	7	October 2002	10,874
2002-34	Dolphin Point Dr. Roadside Ditch	7	October 2002	499
2002-41	Halifax Outfall	5	October 2002	4,991
2002-22	White Sands	5	November 2002	6,407
2002-43	Oak Bluff Court	6	November 2002	6,509
2003-06	Coker Outfall	6	December 2002	13,620
2003-93	Broad River Rd/Joe Frazier Rd.	6	December 2002	1,218
2002-55	Browns Island/Dale Outfall	6	January 2003	11,733
2004-07	Possum Hill Outfall	8	January 2003	372
2002-36	Eustis Landing Outfall	7	February 2003	4,239
2003-98	North Brickyard Outfall	7	February 2003	923
2004-46	Moultrie Circle Crossline	6	February 2003	159
2004-47	Greenleaf Lane Crosslines	6	February 2003	1,419
2004-18	Chisolm Hill Road	6	March 2003	1,867
2004-69	Hodge Drive Outfall	8	March 2003	90
2004-74	Coker Lane	6	March 2003	1,266
2003-07	Polowana Road Ditch	5	April 2003	4,195
2003-76	James Grant Road/Renell Road Outfall	5	April 2003	13,030
2004-54	Chesterfield Estates Outfall Pipe	9	April 2003	1,260
2004-60	Oaks Outfall	5	April 2003	1,272
2004-70	Burton Wells Road	8	April 2003	3,545
2004-71	Community Center Road	6	April 2003	1,687
2005-04	Confederate Avenue Roadside Ditch	9	April 2003	673
2002-24	Pine Run Trail	7	May 2003	137,910
2003-65	Old Distant Island Road	7	May 2003	4,902
2003-27	JB Lane Outfall	5	June 2003	3,294
2003-43	North Royal Pines Subdivision - Phase I	7	June 2003	23,939
2004-03	Eddings Point Road Outfall	5	June 2003	5,168
2004-10	Folly Road Outfall-Phase I	5	June 2003	4,221
2004-87	Mcgarveys Corner	10	June 2003	745
2004-90	Waters Avenue	10	June 2003	998

Unincorporated Beaufort County And Fiscal Year 2003 Total \$ 337,236

Project Summaries For Fiscal Year 2004

Project Number	Project Name	Council District	Completion Month	Amount
2004-96	Halifax Outfall	5	July 2003	\$ 2,400
2004-94	Airport Circle Outfall	7	August 2003	4,767
2004-97	Polk Village East Outfall Pipe Repair	8	August 2003	1,995
2005-11	St. Helena Island Dropoff Center	5	August 2003	3,093
2005-12	Braden Road Crossline Repair	6	August 2003	5,214
2004-91	North Royal Pines Subdivision - Phase II	7	September 2003	125,598
2002-15	Community Bible	6	October 2003	77,866
2003-67	Cape Jasmine Street	4	October 2003	12,573
2004-61	Browns Road Crossline	6	October 2003	741
2004-61	Ladson Outfall	5	October 2003	3,859
2005-25	Shiney Road Crossline	5	October 2003	893
2004-05	Franklin Drive	8	November 2003	9,564
2005-22	Ashley Drive/Woodbine Avenue	7	November 2003	24,838
2005-23	North Brickyard Outfall Rework	7	November 2003	11,617
2005-30	Luther Warren Crossline	5	November 2003	2,099
2005-31	Toomer Road Crossline	5	November 2003	803
2003-09	Allendale/Fairfax Phase I	4	January 2004	16,883
2003-11	Hamrick Circle	9	January 2004	8,854
2003-45	Simmonsville Road Outfall	5	January 2004	6,434
2004-57	Nathan Pope Road Outfall	5	January 2004	32,099
2005-01	12th Street Outfall	11	January 2004	2,910
2005-50	Landsend Outfall Rework	5	January 2004	1,585
2005-52	Allendale/Fairfax Phase II	4	January 2004	49,284
2005-51	211 Stuart Point Road	6	February 2004	659
2005-53	Adams Circle North Outfall	9	February 2004	6,057
2005-54	Luther Warren Road-Catch Basin	5	February 2004	1,058
2005-59	Albertha Fields Circle	6	February 2004	156
2003-02	Shorts Landing Outfall/Maggioni Ditch	7	March 2004	28,044
2005-37	Vine Street Outfall	4	March 2004	2,650
2005-47	Godwin Roadside Ditch Rework	8	March 2004	14,061
2005-65	L.H. Nelson	6	March 2004	7,160
2005-66	Old Post Office Outfall	5	March 2004	327
2003-21	Bonaire Circle-Phase I	9	April 2004	15,235
2005-68	Honeybee Road Outfall	6	April 2004	9,151
2005-61	Island Tank Road Outfall	6	May 2004	10,521
2005-72	Chesterfield Subdivision Catch Basin	9	May 2004	544

Unincorporated Beaufort County Total 501,592

Project Number	Project Name	Council District	Completion Month	Amount
2005-15	Town of Port Royal - Port Royal Park Pond	11	September 2003	4,045

Project Number	Project Name	Council District	Completion Month	Amount
2005-70 2005-71	Town of Port Royal - 9th Street Catch Basin Cleanout	11	June 2004	108

Town Of Port Royal Total 4,152

Project Number	Project Name	Council District	Completion Month	Amount
2004-83	City of Beaufort - South Side Park Outfall	11	July 2003	6,060
2005-76	SCDOT - Southside Blvd Catch Basin and Pipe Cleanout	11	June 2004	483
2005-81	SCDOT - Polk Village Catch Basin/Pipe Repair	8	June 2004	1,134

City Of Beaufort Total 7,678

Project Number	Project Name	Council District	Completion Month	Amount
2003-61 2003-62	Town of Hilton Head Island - Muddy Creek Road/Bryant Road	2	April 2004	15,847
2004-45	Town of Hilton Head Island - Nazarene Road	2	May 2004	2,554

Town Of Hilton Head Total 18,401

Fiscal Year 2004 Total \$ 531,823

Project Summaries For Fiscal Year 2005

Project Number	Project Name	Council District	Completion Month	Amount
2003-06	Wimbee Landing Road Outfall	6	July 2004	\$ 38,610
2004-58	Toomer Road	5	July 2004	6,977
2004-74	Coker Lane Outfall Rework	6	July 2004	2,623
2005-69	Hunter Grove Road/Wallace Outfall	5	July 2004	1,916
2003-44	Old Miller Road Outfall-Phase II	4	July 2004	13,364
2004-23	Husphah Drive Outfill	6	July 2004	30,838
2005-78	Baynard Road Crossline Pipe Repair	9	July 2004	5,204
2005-80	Peaches Hill Outfall	5	July 2004	8,157
2003-02	Magglioni/Shorts Landing Rework	7	August 2004	514
2004-23	Husphah Drive Outfall	6	August 2004	1,140
2005-82	Huron Drive Lateral and Roadside	9	August 2004	7,961
2005-79	Bluffton Parkway Outfall	4	September 2004	166
2005-85	Seigler Road	6	September 2004	5,586
2005-92	Eddings Point Road Pipe Cleanout	5	September 2004	170
2005-94	Murray Road Catch Basin Cleanout	8	September 2004	290
2005-98	Cherry Point Road Pipe Cleanout	10	September 2004	119
2002-30	Old County Shed Road Outfall	8	October 2004	46,798
2004-64	Warsaw Island/Major Road	5	October 2004	19,831
2005-18	Wimbee Creek Road Outfall	6	October 2004	12,859
2005-95	Rice Road	9	October 2004	1,392
2005-96	Powell Drive	8	October 2004	1,437
2005-97	Glaze Drive	8	October 2004	3,680
2005-02	Prescott Road	6	November 2004	1,042
2005-09	Shell Point Road West Outfall	9	November 2004	4,144
2006-02	Government Center Detention Ponds	8	November 2004	7,563
2006-03	Sprint-Brickyard Point Road	7	November 2004	354
2006-05	Cattle Egret	6	December 2004	5,285
2004-115	Ephraim Outfall	5	January 2005	2,330
2004-85	David Green Outfall	5	January 2005	27,719
2005-13	Fields Outfall	6	January 2005	11,350
2006-18	Colonial Avenue	9	January 2005	599
2005-86	Old Dawson Acres Road	6	February 2005	27,685
2003-89/90 2005-77	Bailey Circle and Nix Road	6	March 2005	31,954
2004-16	Forest Fields	9	March 2005	137,825
2004-25	Alljoy Road Outfall	4	March 2005	3,218
2006-10	Eustis Landing	7	March 2005	1,113
2006-41	Coker Road Outfall	6	March 2005	178
2004-85	David Green Outfall	5	April 2005	839
2005-09	Shell Point Road E. Outfall	9	April 2005	9,542
2006-33	Old Barn Road	7	April 2005	1,111
2006-42	Inglewood Circle	5	April 2005	1,130
2006-46	Cherokee Farms Road Crossline Pipe Repair	6	April 2005	621
2006-49	Donaldson Camp Road Outfall	9	April 2005	989

Project Number	Project Name	Council District	Completion Month	Amount
2006-50	Tombee Road	5	April 2005	428
2006-51	Wimbee Landing Pipe Installation	6	April 2005	4,844
2007-45	Buckwalter Hydroseeding	4	April 2005	460
2004-05	Franklin Road Outfall/Habersham	6	May 2005	5,618
2004-42	Mitchell Road Outfall	6	May 2005	21,678
2004-97	Polk Village E Pipe Repair Rework	8	May 2005	2,629
2004-38	Salem Drive West Outfall/Lateral	9	June 2005	66,004
2004-99	Colonial Heights Outfall and Laterals	9	June 2005	20,213
2005-12	Braden Road Rework	6	June 2005	1,313
2006-60	Rivers End Catch Basin Repair	4	June 2005	1,238

Unincorporated Beaufort County Total 610,648

Project Number	Project Name	Council District	Completion Month	Amount
2003-14	Town of Hilton Head Island - Arrow Road	3	November 2004	1,395
2003-92	Town of Hilton Head Island - Shamrock Circle Outfall	2	November 2004	9,312
2004-44	Town of Hilton Head Island - Oakview Road	2	November 2004	7,854
2005-73	Town of Hilton Head Island - Dunnagans Alley	3	November 2004	6,954
2005-89	Town of Hilton Head Island - Chaplin Catch Basins Repair	2	October 2004	788
2005-90	Town of Hilton Head Island - Bus Drive Catch Basin Repair	2	October 2004	523
2006-17	Town of Hilton Head Island - Catch Basin Repair	2	February 2005	831
2005-75	Town of Hilton Head Island - Main Street	2	March 2005	34,067
2006-48	Town of Hilton Head Island - Burger King	2	May 2005	1,258

Town Of Hilton Head Total 62,982

Project Number	Project Name	Council District	Completion Month	Amount
2005-91/93	SCDOT - Catch Basin Cleanout Wadell Road, W Vine Road, Janna Street, Airport Circle/Sea Island	7	October 2004	2,341
2006-04	SCDOT - Vortech System Cleanout	7	November 2004	327
2006-56	SCDOT - Vortech System Cleanout	7	February 2005	503

City Of Beaufort Total 3,171

Fiscal Year 2005 Total \$ 676,801

Project Summaries For Fiscal Year 2006

Project Number	Project Name	Council District	Completion Month	Amount
2004-16	Forest Field-Rework	9	July 2005	\$ 841
2004-86	Lawson Road Outfall	8	July 2005	1,206
2004-42	Mitchell Road-Rework	6	July 2005	467
2006-68	Rue Du Bois Road	7	July 2005	649
2003-19	Stanley Road	8	July 2005	195
2006-76	Heyward Cove Erosion Control	4	August 2005	6,310
2003-86	Patterson Outfall/Joe Allen Drive	6	August 2005	44,006
2004-89	Pinewood Circle Outfall	8	August 2005	66,514
2006-74	Warsaw Island Ditch Repair	5	August 2005	387
2002-24R	Pine Run Trail Rework	7	September 2005	392
2004-39	Queens Road Outfall	5	September 2005	4,838
2006-77R	Old Sawmill Rd/Victoria Bluff Rework	4	October 2005	3,527
2004-52	Paige Point Landing Road	6	October 2005	1,258
2006-88	St. Pauls Church Road	9	October 2005	28,246
2004-95	Broad River School Outfall	9	November 2005	7,755
2007-14	Burton Wells Recreational Center	8	November 2005	2,420
2007-18	Cooper River Road (Dafuskie Island)	4	November 2005	6,471
2004-05R	Franklin Road/Habersham Rework	8	November 2005	312
2005-61R	Island Tank Road Outfall	6	November 2005	356
2007-15	Mt. Pisgah Church Rd	6	November 2005	8,845
2006-39	Vinewood Lane	5	November 2005	746
2007-16	Capehart Circle	6	December 2005	824
2007-12	Harbor River Road	5	December 2005	5,896
2007-22	Lake Linden	4	December 2005	1,152
2006-02	Prescott Road	6	December 2005	1,305
2007-19	Tombee Road	5	December 2005	12,244
2003-78	Wesley Avenue (Paulkie Island)	6	December 2005	206
2002-15R	Community Bible Rework	9	January 2006	1,380
2007-24	George Williams Lane-Phase I	6	January 2006	7,425
2006-59	Horace Dawson	6	January 2006	6,483
2007-21	Peaches Hill Outfall	5	January 2006	4,084
2007-13	Donaldson Camp Road Outfall	9	February 2006	220
2007-27	Eastern Road	9	February 2006	5,243
2007-28	Golden Corral-Phase I	9	February 2006	18,723
2007-29	Horton Road	9	February 2006	1,374
2006-78	Jenkins Outfall	6	February 2006	15,242
2007-37	PALS-Crossing Park	4	February 2006	586
2007-55	Roseida Extension	8	February 2006	1,267
2006-75	Scott Hill/Ephraim Road Flap Gates	5	February 2006	426
2007-40	Smalls Hill Road	6	February 2006	133
2007-31	Stroman Lane	8	February 2006	2,681
2007-52	Coker Lane Outfall	6	March 2006	2,561
2007-53	Fairfield Road	7	March 2006	5,088
2007-62	Harbor View Circle/Harbor View Drive	7	March 2006	545
2007-21R	Peaches Hill Rework	5	March 2006	1,094

Project Number	Project Name	Council District	Completion Month	Amount
2007-64	Rue Du Bois Road	7	March 2006	156
2007-36	Wimbee Landing Crosslines	6	March 2006	23,125
2007-43	Alston Outfall	5	April 2006	6,531
2004-85R	David Green Rework	5	April 2006	1,436
2007-49	Forest Field/Shetland	9	April 2006	19,117
2007-66	George Williams Lane-Phase II	6	April 2006	10,696
2004-72	Hewlette Road	7	April 2006	4,848
2007-68	Hunter Grove	5	April 2006	5,962
2007-65	Levant Byas Road	5	April 2006	410
2007-63	Vinyard Point Road	5	April 2006	1,217
2007-71	Colonial Heights	9	May 2006	6,743
2007-51	Providence Road	9	May 2006	33,060
2004-38R	Salem Dr West Outfall/Lateral Rework	9	May 2006	1,618
2005-09R	Shell Point Road Outfall	9	May 2006	254
2007-59	Toomer Road Crossline	5	May 2006	3,470
2006-16	Laurel Acres/Pine Grove	8	June 2006	67,198

Unincorporated Beaufort County Total 467,765

Project Number	Project Name	Council District	Completion Month	Amount
2006-67	City of Beaufort - Mossy Oaks Road Extension	11	July 2005	210
2006-06	City of Beaufort - Battery Shores	9	October 2005	20,953
2007-19	SCDOT - Vortech Boxes Cleanout	7	October 2005	863
2006-90	City of Beaufort - King Street Pond (Lake At The Point)	11	November 2005	25,868
2007-42	City of Beaufort - King Street Pond Rework	11	December 2005	336
2006-06R	City of Beaufort - Battery Shores Rework	9	January 2006	505
2007-33	SCDOT - Boundary Street Emergency	8	February 2006	2,474
2007-48	City of Beaufort - Golden Corral Phase II	9	March 2006	11,550
2006-07	City of Beaufort - Depot Road (May Thru June)	9	June 2006	147,756
2007-73	City of Beaufort - Lake On The Point	11	June 2006	2,326
2007-75	City of Beaufort - Waterfront Park	11	June 2006	4,717

City Of Beaufort Total 217,559

Project Number	Project Name	Council District	Completion Month	Amount
2006-89	Town of Bluffton - Bluffton Resource Conservation and Development Canal Bush Hog	4	September 2005	976

Town Of Bluffton Total 976

Project Number	Project Name	Council District	Completion Month	Amount
2006-85	Town of Hilton Head Island - Airport	2	September 2005	11,084
2006-86	Town of Hilton Head Island - Nazarene/Muddy Creek/Bryant Bush Hog Maintenance	2	September 2005	267
2003-72	Town of Hilton Head Island - Point Comfort	2	October 2005	9,086
2004-01	Town of Hilton Head Island - Squire Pope Road	2	October 2005	118
2006-43	Town of Hilton Head Island - Squires Gate Road	2	October 2005	380
2006-92	Town of Hilton Head Island - Bus Drive	2	October 2005	825
2006-94	Town of Hilton Head Island - Dillion Road	1	October 2005	221
2006-95	Town of Hilton Head Island - Union Cemetary Road	2	October 2005	126
2006-96	Town of Hilton Head Island - Fish Haul Road	1	October 2005	446
2007-17	Town of Hilton Head Island - Bay Pines Drive	2	November 2005	2,669
2004-34	Town of Hilton Head Island - North Forest Beach	3	December 2005	2,811
2007-38	Town of Hilton Head Island - Shipyard Plantation	3	December 2005	3,624
2006-25	Town of Hilton Head Island - Arrow Road Outlet	3	December 2005	141
2007-11	Hilton Head Airport	2	December 2005	16,367
2007-30	Town of Hilton Head Island - Hilton Head High School Outfall	1	January 2006	14,419
2007-34	Town of Hilton Head Island - Gardner Drive/Beach City Road	2	February 2006	850
2007-35	Town of Hilton Head Island - Leg O Mutten Road	2	February 2006	773
2007-39	Town of Hilton Head Island - Cardinal Road	2	February 2006	523
2007-32	Town of Hilton Head Island - Northdrige Drive	1	February 2006	342
2006-72	Town of Hilton Head Island - Island Drive/Matthew Drive	2	March 2006	8,138
2007-50	Town of Hilton Head Island - Gibson Road	2	March 2006	5,182
2007-54	Town of Hilton Head Island - Folly Field	2	April 2006	905

Town Of Hilton Head Total 79,296

Fiscal Year 2006 Total \$ 765,596

Project Summaries For Fiscal Year 2007

Project Number	Project Name	Council District	Completion Month	Amount
2007-58	Lost Island Road	7	July 2006	\$ 21,996
2006-07LCINV	Lowcountry Concrete (Depot Road)	9	August 2006	2,080
2007-81	Old South Pointe-Bluffton	4	August 2006	3,751
2007-46	Westbury Park	4	September 2006	21,102
2007-114	Honeysuckle Lane Outfall	7	October 2006	1,182
2003-50	Irongate Subdivision	6	October 2006	73,173
2007-70	Sawmill Forest Subdivision	4	October 2006	7,221
2003-50	CC-Irongate Subdivision	6	October 2006	7,621
2007-86	Burton Wells Pond Cleanout	8	December 2006	2,910
2003-74	Kline Circle	6	December 2006	358
2007-89	Murray Road	8	December 2006	1,126
2007-95	Dogwood Street	9	January 2007	583
2008-05	Cherry Point	10	January 2007	515
2007-82	Hamrick Drive	11	January 2007	3,761
2007-105	Bajala Drive West	7	February 2007	1,475
2007-113	Bonaire Circle Outfall	9	February 2007	4,121
2004-104	Eustis Landing	7	February 2007	3,250
2007-94	Northridge Drive Pond	1	February 2007	5,602
2007-155	32 Pelican Circle	6	February 2007	1,821
2007-41	Chowan Creek Road	7	March 2007	29,740
2004-68	Little Capers Road	7	March 2007	44,428
2004-88	Miller Drive East	7	March 2007	12,697
2007-112	Possum Hill	8	March 2007	13,553
2007-44	Roseida Road/Powell Drive Outfall	8	April 2007	112,965
2007-117	Myrtle Street	4	May 2007	839
2007-110	Lost Island	7	June 2007	5,440
2003-52	Mattis Drive Outfall	5	June 2007	10,414
2007-125	Oak Bluff Court	8	June 2007	3,132
2008-27	Mitchell Road	6	June 2007	3,832
2007-90	Big Estate Phase I	6	July 2007	24,376
2007-120	Thomas Lawton Drive	4	August 2007	19,696
2006-12	Daufuskie Island	4	August 2007	178,635
2006-13	River's End Subdivision	4	October 2007	153,953

Unincorporated Beaufort County Total 777,347

Project Number	Project Name	Council District	Completion Month	Amount
2007-47	Town of Port Royal - Richmond Avenue Pond	9	September 2006	1,540

Town Of Port Royal Total 1,540

Project Number	Project Name	Council District	Completion Month	Amount
2006-07	City of Beaufort - Depot Road	9	February 2007	572,767

City Of Beaufort Total 572,767

Project Number	Project Name	Council District	Completion Month	Amount
2007-80	Town of Bluffton - Thomas Heyward Street	4	August 2006	2,155
2007-97	Town of Bluffton - Bluffton Village	4	January 2007	6,454
2004-46	Town of Bluffton - Habitat For Humanity	4	March 2007	32,262

Town Of Bluffton Total 40,870

Project Number	Project Name	Council District	Completion Month	Amount
2007-80	Town of Hilton Head Island - Mystic Drive	3	September 2006	698
2007-84	Town of Hilton Head Island-Bush Hogging - Matthew Drive, Muddy Creek/Bryant Road, Gumtree Road, Oakview Road	2	September 2006	7,269
2007-87	Town of Hilton Head Island - Shipyard Plantation Outfall	3	October 2006	3,657
2007-77	Town of Hilton Head Island - Cordillo Parkway/Coligny Park	3	November 2006	41,574
2007-115	Town of Hilton Head Island - Folly Field	2	January 2007	236
2006-26	Town of Hilton Head Island - Hilton Head Airport Bushhog	2	January 2007	2,691
2007-93R	Town of Hilton Head Island - Dillon Road Rework	1	February 2007	5,066
2006-27R	Town of Hilton Head Island - Fish Haul Road Rework	1	February 2007	2,769
2006-73	Town of Hilton Head Island - Benjamin Drive	2	March 2007	6,397
2007-126	Town of Hilton Head Island - Arrow Road Outfall	3	June 2007	5,609

Town Of Hilton Head Total 75,966

Fiscal Year 2007 Total \$ 1,468,491

Project Summaries For Fiscal Year 2008

Project Number	Project Name	Council District	Completion Month	Amount
2007-127	Faith Memorial	5	July 2007	\$ 2,456
2007-133	Folly Road	5	July 2007	890
2007-101	Fording Island Rd Extension	4	July 2007	187
2007-131	Fox Island	4	July 2007	3,950
2007-109	Hunt Terr	6	July 2007	1,647
2007-90	Big Estate Phase I Horsetail/Dash Road	6	July 2007	12,583
2008-025	Pinewood Circle	8	August 2007	2,346
2007-120	Thomas Lawton Drive Outfall	4	August 2007	7,486
2006-12	Daufuskie Island	4	August 2007	103,548
2007-134	Chesterfield Lake Drive	9	September 2007	1,385
2007-02	Perryclear/Northview Drive	6	September 2007	11,655
2008-22	Oak Bluff Court Top Installation	8	September 2007	865
2007-157	SCDOT - Hwy 280	9	September 2007	884
2007-141	Bluffton Center	4	October 2007	32,893
2007-118	Huspah Creek Drive	6	October 2007	10,544
2007-20	Joe Allen Road	6	October 2007	36,794
2007-119	Joe Fraizer Outfall	8	October 2007	1,117
2006-13	River's End Subdivision	4	October 2007	96,084
2008-144	Bluffton Parkway	4	October 2007	9,118
2007-149	Big Estate Circle Phase II - Big Estate Circle	6	November 2007	45,903
2007-128	Deveaux Road	7	November 2007	17,203
2007-140	Godwin Street	8	November 2007	1,202
2007-136	Horace Dawson	6	November 2007	2,291
2007-150	Laurel Hill Lane	7	November 2007	310
2008-11	Lawson Road	8	November 2007	1,640
2007-130	Luther Warren Road - Tombee Road	5	November 2007	651
2007-117R	Myrtle Court	4	November 2007	2,223
2007-102	Oakhurst Subdivision	6	November 2007	39,370
2008-023	Oyster Street	4	November 2007	285
2008/-015	Pine Run Trail	7	November 2007	227
2008-024	Coastal Seafood Road	5	December 2007	3,974
2007-137	Halifax Drive Outfall	5	December 2007	24,562
2008-027	Oakhurst Road	6	December 2007	707
2007-107	Salem Drive East	9	December 2007	222
2005-83	295 N Brickyard Point	7	January 2008	10,137
2007-145	Hewlett Road	7	January 2008	36,729
2008-021	Hodge Drive	8	January 2008	3,273
2007-142	Mattis Drive - Phase III	5	January 2008	17,911
2008-037	Poppy Hill Road	6	January 2008	3,970
2008-041	Jasmine Hall Road	6	February 2008	221
2008-040	Lost Island	7	February 2008	7,428
2008-042	Paulaski Island Road	6	February 2008	216

Project Number	Project Name	Council District	Completion Month	Amount
2008-031	Pinewood Circle	8	February 2008	5,683
2008-048	Simmons Road	5	February 2008	135
2008-036	Wesley Felix Complex Outfall	5	February 2008	4,199
2008-071	L.H. Nelson Drive - Hale Drive	9	March 2008	1,176
2008-051	Roseida Road	8	March 2008	809
2008-039	Sandy Point Drive	4	March 2008	5,984
2008-045	SCDOT - Bailey Road	6	March 2008	287
2008-033	SCDOT - Hunting Island Drive	5	March 2008	813
2008-082	Buckingham Plantation Drive	4	April 2008	1,360
2008-101	Charleston Drive	6	April 2008	161
2008-076	Cherry Point	10	April 2008	240
2008-044	Airport Circle	7	April 2008	15,365
2008-104	Colonial Avenue - National Guards	8	April 2008	4,394
2004-49	James Washinton Road	5	April 2008	8,479
2008-034	Peaches Hill Circle	5	April 2008	58,740
2008-043	Pineland Avenue - Mary Jenkins	5	April 2008	9,836
2008-081	Alljoy Road	4	May 2008	4,043
2008-099	Brilliant Lane	8	May 2008	22,168
2008-113	Dan Drive Outfall	6	May 2008	7,005
2008-112	Sherwood Drive	7	May 2008	257
2004-21	Archie Sumpter Road	6	June 2008	59,367
2008-143	Bermuda Bluff Road	5	June 2008	1,486
2005-099	Windy Lakes	4	July 2008	146,330
2008-142	Simmons Road	5	July 2008	60,695
2004-06	Mink Point	9	July 2008	403,054

Unincorporated Beaufort County Total 1,379,154

Project Number	Project Name	Council District	Completion Month	Amount
2008-078	Town of Port Royal - Great Bend Drive	9	March 2008	1,176

Town Of Port Royal Total 1,176

Project Number	Project Name	Council District	Completion Month	Amount
2007-139	City of Beaufort - North Hermitage	11	September 2007	278
2007-138	City of Beaufort - Charles Street	11	September 2007	512
2007-92	City of Beaufort - Stone Marten	9	November 2007	59,469
2008-052	City of Beaufort - Vacuum Truck	11	March 2008	4,065

City Of Beaufort Total 64,324

Project Number	Project Name	Council District	Completion Month	Amount
2007-152	Town of Bluffton - Hawkes Road	4	August 2007	229

Project Number	Project Name	Council District	Completion Month	Amount
2008-001	Town of Bluffton - Persimmons Street	4	October 2007	995
2003-48	Town of Bluffton - Bluffton Resource Conservation and Development Ditch	4	January 2008	93,089

Town Of Bluffton Total 94,313

Project Number	Project Name	Council District	Completion Month	Amount
2007-151	Town of Hilton Head Island - Cordillo Parkway	3	July 2007	5,397
2008-26	Town of Hilton Head Island - Bush Hogging	3	July 2007	5,966
2007-09	Town of Hilton Head Island - Matthews Drive	2	August 2007	1,334
2007-135	Town of Hilton Head Island - Shipyard Plantation	3	August 2007	14,430
2008-004	Town of Hilton Head Island - Shamrock Plantation	2	August 2007	161
2008-02	Town of Hilton Head Island - Northridge Drive	1	August 2007	353
2008-03	Town of Hilton Head Island - Shipyard Plantation/ Pope Avenue	3	August 2007	1,617
2008-06	Town of Hilton Head Island - Jarvis Park	2	August 2007	246
2008-18	Town of Hilton Head Island - Marblehead	3	September 2007	39,040
2007-136	Town of Hilton Head Island - William Hilton Parkway - New Orleans Rd	3	October 2007	8,950
2007-153	Town of Hilton Head Island - Shipyard Squire Gate	3	November 2007	645
2007-154	Town of Hilton Head Island - Point Comfort	2	December 2007	1,669
2008-029	Town of Hilton Head Island - Firethorne Lane	3	December 2007	2,100
2008-032	Town of Hilton Head Island - Main Street Rework	2	December 2007	1,833
2008-035	Town of Hilton Head Island - Folly Field Road	2	February 2008	7,842
2008-047	Town of Hilton Head Island - Gum Tree Road	2	March 2008	613
2008-049	Town of Hilton Head Island - Leg O Mutton Road	2	March 2008	2,595
2007-158	Town of Hilton Head Island - Hunter Road	2	April 2008	65,760
2008-046	Town of Hilton Head Island - 278 Matthew Drive	2	April 2008	1,183

Project Number	Project Name	Council District	Completion Month	Amount
2008-073	Town of Hilton Head Island - Matthew Drive - Culvert Outfall	2	April 2008	13,448
2008-075	Town of Hilton Head Island - Fish Haul Road	1	April 2008	1,884
2008-084	Town of Hilton Head Island - Ferguson Lane	2	April 2008	211
2008-103	Town of Hilton Head Island - Island Drive	2	April 2008	4,612
2008-092	Town of Hilton Head Island - Bush Hogging - Arrow Road	3	May 2008	6,770
2008-140	Town of Hilton Head Island - Pineland Mall	2	May 2008	3,991
2008-094	Town of Hilton Head Island - Shipyard Drive - Tennis Master	3	June 2008	21,338
2008-149	Town of Hilton Head Island - Mitchellville Road	1	June 2008	2,024
2008-150	Town of Hilton Head Island - South Forest Beach Drive	3	June 2008	1,098
2008-169	Town of Hilton Head Island - Squire Gate	2	June 2008	1,753

Town Of Hilton Head Total 218,862

Fiscal Year 2008 Total \$ 1,757,829

Project Summaries For Fiscal Year 2009

Project Number	Project Name	Council District	Completion Month	Amount
2008-162	Fairfield Road	7	July 2008	\$ 314
2009-026	St. Helena Island Vacuum Truck - Warsaw Road & Major Road	5	July 2008	789
2008-086	Lady's Island Vacuum Truck - Blythewood Road	7	July 2008	1,333
2008-147	CE - Highway 802	2	July 2008	3,702
2008-069	John Fripp Circle	5	July 2008	13,450
2008-141	Paige Point Bluff	6	July 2008	28,411
2005-099	Windy Lakes Subdivision	4	July 2008	18,699
2008-142	Simmons Road	5	July 2008	1,239
2004-06	Mink Point	9	July 2008	24,233
2008-144	Bluffton Parkway (Unicorp Portion)	4	July 2008	8,354
2009-028	SCDOT - Martin Luther King	5	July 2008	582
2008-175	SCDOT - Ribaut Road	11	July 2008	1,054
2008-185	Coosaw River Drive	7	August 2008	137
2008-187	Providence Road	9	August 2008	598
2008-178	Laurel Bay Road	6	August 2008	1,293
2008-184	Salem Drive East	9	August 2008	2,854
2008-170	Huspah Drive	6	August 2008	12,698
2008-146	Humbolt Street	7	August 2008	17,282
2008-145	Hickory Hill Road	5	August 2008	24,031
2004-98	William Jenkins Road Outfall	5	August 2008	58,852
2008-196	Honey Suckle Lane	7	September 2008	398
2008-198	Huspah Creek Drive	6	September 2008	411
2008-186	Branford Circle	6	September 2008	606
2008-197	Ethel Grant	7	September 2008	646
2008-195	Murray Drive	8	September 2008	3,453
2008-191	Hwy 170	10	September 2008	4,003
2008-199	Lucy Creek Drive	7	September 2008	4,717
2008-106	Alumni Road	7	September 2008	101,967
2009-031	Hale Drive	6	October 2008	597
2009-035	Bluffton Resource Conservation and Development Ditch	4	October 2008	1,414
2009-038	Smalls Road	6	October 2008	2,904
2008-007	Dean Hall Road	6	October 2008	3,078
2009-030	Cubby Lane	6	October 2008	6,177
2008-189	County Shed Road	8	October 2008	12,455
2009-058	Government Center	8	November 2008	212
2009-059	Sheldon - Vacuum Truck - Half Moon Island Road	6	November 2008	1,065
2009-057	Morning Dove Lane/Quail Run Lane	7	November 2008	1,066
2009-013	St. Helena Island Vacuum Truck - Thompson Estate Circle	5	November 2008	3,019
2009-014	Johnson Landing Road	7	November 2008	3,115
2009-044	Old Dawson Acres Road Outfall	6	November 2008	3,617
2009-037	Coastal Seafood Road	5	November 2008	3,836
2009-011	Witsell Road	6	November 2008	4,600

Project Number	Project Name	Council District	Completion Month	Amount
2009-012	George Williams Lane	6	November 2008	8,058
2009-023	Huspah Court North	6	November 2008	29,708
2009-075	Poosum Hill Outfall	6	December 2008	218
2009-074	Hwy 280	9	December 2008	345
2009-024	Port Royal Island Vacuum Truck - L.H. Nelson Drive	9	December 2008	4,482
2009-067	Stroup Road	6	December 2008	4,806
2009-014	Lady's Island Vacuum Truck - Johnson Landing Road	7	December 2008	5,115
2009-063	Deloach Road Outfall	8	December 2008	10,558
2009-040	Big Estate Road Phase IV	6	December 2008	12,191
2009-041	Paige Point Bluff	6	December 2008	23,858
2008-193	White Sands Circle/Shiney Road	5	December 2008	33,325
2009-084	Prescott Road	6	January 2009	477
2009-081	Bluffton Center	4	January 2009	1,253
2009-094	Lady's Island Vacuum Truck - Old Distant Island Road	7	January 2009	1,761
2009-091	Port Royal Vacuum Truck - Murray Road	8	January 2009	2,062
2009-062	Old Sawmill Trace	4	January 2009	2,835
2009-093	Industrial Park	6	January 2009	4,543
2009-079	Seigler Road	6	January 2009	7,882
2009-015	Mcphersonville Road	6	January 2009	16,156
2008-163	Rail Bed Road Outfall	6	January 2009	20,610
2009-148	Sheldon Bush Hog	6	January 2009	29,545
2009-029	Gray Road Outfall	6	January 2009	76,496
2009-061	St. Helena Island Vacuum Truck - Luther Warren Drive	5	February 2009	1,592
2009-078	Town of Port Royal - Ashwood Circle (Unincorp Portion)	9	February 2009	1,804
2009-098	Stanley Road	8	February 2009	2,843
2009-077	Donaldson Drive	9	February 2009	10,791
2009-082	Harding Street Outfall	9	February 2009	36,413
2009-145	St. Helena Island Bush Hog	5	February 2009	37,478
2009-100	Millidge Village Road/Glaze Drive	8	February 2009	39,021
2005-020	Country Manor	6	February 2009	52,829
2006-035	JB Lane Outfall/Warsaw Island Road	5	March 2009	9,570
2009-124	Irongate Drive	6	March 2009	11,205
2009-25	Lady's Island Bush Hog	7	March 2009	23,451
2009-109	Adams Circle	9	March 2009	34,013
2009-001	Port Royal Island Bush Hog	8	March 2009	47,623
2009-073	Forest Field Road Outfall	9	March 2009	109,926
2009-168	St. Helena Island Vacuum Truck - James Washington Road	5	April 2009	379
2009-041	Rework - Paige Point Bluff	6	April 2009	1,023
2009-130	Bermuda Bluff Road	5	April 2009	1,554
2009-084	Port Royal Vacuum Truck - L.H. Neslon	9	April 2009	2,061

Project Number	Project Name	Council District	Completion Month	Amount
2009-138	Lady's Island Vacuum Truck - Gator Lane	7	April 2009	2,163
2009-116	Royal Pines Subdivision Phase I	7	April 2009	36,205
2009-131	Dog Creek Road	7	April 2009	5,177
2009-114	L.H. Nelson Drive/Hale Street	7	April 2009	60,592
2009-153	Confederate Avenue	4	May 2009	2,219
2007-144	Old Distant Island Road	7	May 2009	4,331
2009-104	Eustis Landing Road	7	May 2009	8,843
2009-133	Port Royal Island Bush Hog - Parker Drive	6	May 2009	10,886
2009-134	Sheldon Bush Hog - Dale Rc&D	6	May 2009	13,111
2009-146	Callawassie Outfall	10	May 2009	17,691
2009-152	St. Helena Island Bush Hog	5	May 2009	28,698
2009-161	Windy Lakes Subdivision - Sugaree Lane	4	June 2009	2,125
2009-170	Mary Jenkins Circle	5	June 2009	2,345
2009-159	Bluffton Vacuum Truck - Woodbridge Lane	4	June 2009	3,627
2009-139	Old Jericho Road	9	June 2009	4,723
2009-151	Mitchell Road	6	June 2009	5,725
2009-147	Sandy Point Subdivivson	4	June 2009	9,433
2009-154	Forrest Field Subdivision/St.Pauls Road Phase IV	9	June 2009	9,571
2009-137	Fort Fremont Road	5	June 2009	10,717
2009-167	Sheldon Bush Hog	6	June 2009	18,283
2009-132	St. Helena Bush Hog	5	June 2009	20,389
2009-003	Capehart Circle	6	June 2009	70,048
2008-105	Audobon Subdivision Phase I & II	6	July 2009	155,972

Unincorporated Beaufort County Total 1,605,993

Project Number	Project Name	Council District	Completion Month	Amount
2009-078	Town of Port Royal - Ashwood Circle	9	February 2009	1,475
2009-162	Town of Port Royal - Vacuum Truck - Fort Fedrick Circle	9	June 2009	742

Town Of Port Royal Total 2,217

Project Number	Project Name	Council District	Completion Month	Amount
2008-190	SCDOT - Church Street/Greene Street	11	September 2008	5,285
2009-111	City of Beaufort - Waters Edge West	8	April 2009	18,558
2009-110	City of Beaufort - Battery Shores Phase I & II	9	May 2009	63,484

Project Number	Project Name	Council District	Completion Month	Amount
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City Of Beaufort Total 87,327

2008-144	Town of Bluffton - Bluffton Parkway	4	July 2008	19,000
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Town Of Bluffton Total 19,000

Project Number	Project Name	Council District	Completion Month	Amount
2008-138	Town of Hilton Head Island - Firethorn Lane	3	July 2008	21,988
2008-174	Town of Hilton Head Island - Cordillo Parkway	3	July 2008	1,014
2008-164	Town of Hilton Head Island - Marblehead	3	July 2008	3,969
2008-158	Town of Hilton Head Island - Point Comfort - Bay Pines	2	July 2008	15,810
2008-115	Town of Hilton Head Island - Vacuum	3	August 2008	15,819
2008-148	Town of Hilton Head Island - Wild Horse Road	2	August 2008	15,263
2008-173	Town of Hilton Head Island - South Forest Beach Drive	3	August 2008	16,230
2008-171	Town of Hilton Head Island - Kirby Lane	2	August 2008	13,606
2008-172	Town of Hilton Head Island - Dogwood Lane	2	August 2008	6,710
2008-176	Town of Hilton Head Island - Squire's Gate Road/Chinaberry	2	September 2008	19,172
2008-177	Town of Hilton Head Island - Hilton Head Library, Leg O Mutton Road	2	September 2008	3,528
2009-004	Town of Hilton Head Island - Oakview Road	2	October 2008	8,006
2009-020	Town of Hilton Head Island - Mead Lane	2	October 2008	88,664
2009-002	Town of Hilton Head Island - Matthews Drive/Arrow Road	2	November 2008	8,017
2009-021	Town of Hilton Head Island - Marshland Road	2	November 2008	2,785
2009-046	Town of Hilton Head Island - Jarvis Creek Park	2	November 2008	20,334
2009-076	Town of Hilton Head Island - Dianah Road	2	December 2008	3,849
2009-047	Town of Hilton Head Island - Harbor Master	3	January 2009	54,146
2009-108	Town of Hilton Head Island - Firestation #3	3	May 2009	3,703

Town Of Hilton Head Total 322,614

Fiscal Year 2009 Total \$ 2,037,152

Project Summaries For Fiscal Year 2010

Project Number	Project Name	Council District	Completion Month	Amount
2010-002	Bluffton Vacuum Truck - Victoria Bluff Court, Myrtle Court, Myrtle Street, Vine Street, Fording Island Ext.	4	July 2009	\$ 3,746
2009-158	Cape Jasmine Street	4	July 2009	15,781
2009-166	Chislom Hill Outfall	6	July 2009	7,767
2009-155	Christine Drive	7	July 2009	1,693
2009-115	Coakley Drive	6	July 2009	17,038
2009-140	Community Center Road	6	July 2009	30,085
2009-039	Fair Road	9	July 2009	13,252
2010-011	Irongate Drive	6	July 2009	412
2010-010	L.H. Nelson	9	July 2009	585
2009-122	Airport Circle	7	July 2009	20,547
2010-017	Lady's Island Bush Hog - Braeburn Lane	7	July 2009	7,889
2010-014	Lady's Island Vacuum Truck - Harborview Circle	7	July 2009	2,681
2010-003	Lambert Outfall	9	July 2009	2,224
2010-007	Patterson Road	9	July 2009	2,930
2010-020	Port Royal Island Bush Hog - Burton Wells/Pine Grove	8	July 2009	6,534
2010-013	Scott Community Center Complex	5	July 2009	4,750
2010-047	Sheldon Bush Hog - Archie Sumpter Road	6	July 2009	17,841
2010-021	St. Helena Island Bush Hog - Scott Hill/Peaches Hill Road	5	July 2009	12,759
2010-013	St. Helena Island Vacuum Truck - Harold Rivers Road	5	July 2009	246
2009-129	Toomer Road/Old Ben Road	5	July 2009	52,132
2009-121	Wade Hampton	7	July 2009	7,070
2010-012	Walker Circle	6	July 2009	1,842
2008-105	Audobon Woods Subdivision Phase I & II	6	July 2009	1,575
2010-004	Ben Mack Drive	5	August 2009	10,351
2010-031	Brillant Lane	5	August 2009	487
2010-001	Cape Hart Circle Phase II	6	August 2009	91,187
2010-043	Lady's Island Vacuum Truck - Friendship Lane	7	August 2009	5,788
2009-125	Middle River Road	6	August 2009	37,623
2010-016	Palmetto Beach Drive	4	August 2009	6,352
2010-033	Port Royal Island Bush Hog	6	August 2009	2,036
2010-025	Port Royal Island Vacuum Truck - Tanglewood Drive	9	August 2009	304
2010-032	Sheldon Bush Hog	6	August 2009	14,553
2010-008	Shell Park Circle	9	August 2009	3,050
2010-034	St. Helena Island Bush Hog	5	August 2009	13,158
2010-009	Wallace Outfall	5	August 2009	1,774
2010-018	St. Helena Island Vacuum Truck - Fairfield Road	5	August 2009	733
2010-052	Allendale Street	4	September 2009	3,599

Project Number	Project Name	Council District	Completion Month	Amount
2010-038	Burton Wells Park	8	September 2009	1,412
2010-023	Coakley Drive	6	September 2009	25,594
2010-026	Country Manor Subdivision	8	September 2009	727
2010-048	Donaldson Camp Road	9	September 2009	2,540
2010-053	Donaldson Drive	9	September 2009	589
2010-006	Godwin Road	8	September 2009	5,515
2010-028	Lady's Island Vacuum Truck - Marsh Drive	7	September 2009	5,696
2003-075	Lightsey Road Outfall	6	September 2009	125,910
2009-103	Mattis Drive Outfall	5	September 2009	67,168
2010-022	Mint Farm Subdivision	9	September 2009	1,976
2010-037	Mitchell Road	6	September 2009	1,207
2009-135	Oyster Street	4	September 2009	46,889
2010-059	Pinewood Circle	6	September 2009	2,071
2010-060	Port Royal Island Bush Hog	6	September 2009	30,342
2009-123	Washington Farm Road	6	September 2009	24,461
2010-061	Dolphin Point Drive	7	October 2009	23,505
2009-164	Halifax Road Phase III	5	October 2009	29,337
2010-077	Harding Street	9	October 2009	2,218
2010-055	Joe Frazier Road Outfall	8	October 2009	3,616
2010-070	Lady's Island Vacuum Truck - Woodbine Drive	7	October 2009	1,140
2010-062	Mayfair Court	7	October 2009	14,709
2010-078	Oakhurst Drive	6	October 2009	2,063
2006-30	Pleasant Point Drive Outfall	7	October 2009	39,326
2010-066	Port Royal Island Bush Hog	6	October 2009	15,652
2010-065	St. Helena Island Bush Hog	5	October 2009	6,462
2010-073	Wimbee Landing Road	6	October 2009	3,412
2010-083	Forest Field Subdivision - Clydesdale Circle	9	November 2009	23,126
2010-079	Laurel Street East	6	November 2009	11,668
2010-109	Mcgarvey's Corner	10	November 2009	1,641
2010-101	Sheldon Bush Hog	6	November 2009	10,633
2010-029	Zehm Lane	8	November 2009	5,808
2010-087	Browns Island Road	6	December 2009	1,381
2003-047	Duncan Farms Outfall	6	December 2009	144,612
2010-089	Halifax Drive	5	December 2009	21,024
2010-107	Lady's Island Bush Hog	7	December 2009	4,327
2010-110	Lady's Island Vacuum Truck - Christine Drive	7	December 2009	591
2005-088	Leo Green Road Outfall	9	December 2009	3,278
2010-088	Munch Drive	7	December 2009	6,401
2010-063	Murray Road	8	December 2009	2,415
2010-103	Sheldon Bush Hog	6	December 2009	15,466
2010-069	Sheldon Vacuum Truck - Half Moon Circle	6	December 2009	459
2010-102	St. Helena Island Bush Hog	5	December 2009	4,970
2009-163	St. Helena Island Drop Off Center	5	December 2009	6,249
2010-068	St. Helena Island Vacuum Truck - Airport Circle	5	December 2009	171
2010-075	Stroban Road	6	December 2009	11,322
2009-157	Telfair Drive	7	December 2009	16,693

Project Number	Project Name	Council District	Completion Month	Amount
2010-123	Bluffton Vacuum Truck - Sailors Choice	4	January 2010	469
2010-096	Club Bridge Outfall	5	January 2010	5,135
2010-104	Eustis Landing Road Outfall	7	January 2010	10,322
2010-117	Lady's Island Bush Hog	7	January 2010	11,336
2010-056	Luther Warren Outfall	5	January 2010	14,408
2010-147	Mroz Road Outfall	6	January 2010	1,863
2010-115	Possum Hill Outfall	8	January 2010	1,876
2010-106	Powell Drive Outfall	8	January 2010	8,333
2010-129	Reeds Road	7	January 2010	2,005
2010-116	Sheldon Bush Hog	6	January 2010	13,949
2010-130	Sheldon Vacuum Truck - Campbell Road	6	January 2010	708
2010-091	Woodbridge Subdivision - Knightsbridge Road	4	January 2010	685
2004-103	Bruce K. Smalls Drive Outfall - Smith Road, Smalls Hills Road , Gamecock Way, Mulrain Road,and Webb Road	6	February 2010	28,546
2010-153	David Green Outfall	5	February 2010	6,933
2010-146	Edward Court	6	February 2010	2,629
2010-149	Half Moon Island Road	7	February 2010	3,870
2010-049	Keans Neck Outfall	6	February 2010	9,370
2010-122	Keansneck Outfall II - McCleod Property	6	February 2010	2,798
2010-142	Lady's Island Bush Hog	7	February 2010	3,814
2010-161	Lady's Island Vacuum Truck - Central Drive	7	February 2010	883
2010-135	Lady's Island Vacuum Truck - Johnson Landing Road	7	February 2010	686
2007-012	Nathan Pope Road Outfall	5	February 2010	15,054
2010-133	Port Royal Island Vacuum Truck - Dogwoog Street	9	February 2010	489
2010-150	Riley Road	9	February 2010	5,076
2010-111	Royal Pines Subdivision - Pickens Street	7	February 2010	5,043
2010-112	Royal Pines Outfall - Sam's Point Road	7	February 2010	23,482
2010-141	Sheldon Bush Hog	6	February 2010	13,178
2010-143	St. Helena Island Bush Hog	5	February 2010	9,386
2010-136	Sheldon Vacuum Truck - Robinson Hill Circle	6	February 2010	978
2010-164	St. Helena Island Vacuum Truck - Joe Capers Road	5	February 2010	1,521
2009-105	The Avenue	5	February 2010	28,755
2010-145	Wiggfall Road	5	February 2010	3,180
2010-125	Bermuda Bluff	5	March 2010	4,846
2010-085	Big Road	6	March 2010	16,874
2010-092	Bluffton Vacuum Truck - Okatie Bluff Road East	4	March 2010	272
2009-142	Folly Road Outfall Ph I	5	March 2010	10,976

Project Number	Project Name	Council District	Completion Month	Amount
2010-120	Forest Field Subdivision - Shetland Lane Outfall	9	March 2010	8,395
2010-128	Halifax Drive	5	March 2010	65,953
2010-121	James Grant Road	5	March 2010	5,358
2010-154	Middlefield Circle and Middlefield Court	6	March 2010	50,064
2010-057	Old Jerico Road	9	March 2010	5,236
2010-027	Peaches Hill Circle	5	March 2010	29,211
2010-208	Poppy Hill Road Outfall	6	March 2010	6,185
2010-172	Port Royal Island Vacuum Truck - Caphart Circle	6	March 2010	204
2004-86	Prescott Road	6	March 2010	42,002
2010-169	Robert & Clara Road	5	March 2010	4,592
2010-167	Royal Pines Subdivision - Thomas Sumpter Street	7	March 2010	45,807
2010-163	Shed Road	5	March 2010	27,706
2010-127	Shell Park Circle	9	March 2010	7,071
2010-176	St. Helena Island Bush Hog	5	March 2010	3,115
2007-98	Twickenham Plantation Road and Swallowtail Lane	6	March 2010	292,027
2010-092	Bluffton Parkway	4	April 2010	10,319
2010-236	Bluffton Vacuum Truck - Vine Street, Myrtle Court	4	April 2010	944
2010-220	Bridgewood Road Outfall	5	April 2010	6,360
2010-204	Cape Jasmine Street	4	April 2010	22,002
2010-105	Capehart Circle	6	April 2010	3,020
2010-099	Club Bridge Road Outfall	5	April 2010	7,056
2010-090	Coker Road Outfall	6	April 2010	18,822
2010-082	Ephraim Road Outfall	5	April 2010	92,097
2004-078	Evergreen Lane Outfall	9	April 2010	7,978
2010-231	Faith Memorial Outfall	5	April 2010	9,628
2004-80	Hodge Drive/Roseida Road Outfall	8	April 2010	7,524
2010-118	Hunters Grove Road Outfall	5	April 2010	4,753
2010-152	Kinlaw Lane	6	April 2010	31,299
2010-171	Mayriver Plantation	4	April 2010	2,015
2010-229	Mink Point Subdivision Outfall	6	April 2010	9,922
2010-232	Perry Road Outfall	5	April 2010	3,569
2010-225	Lady's Island Vacuum Truck - Fairfiled Road, Ethel Grant, Honeysuckle Lane, Dolly Lane, Gumwood Drive, Woodbine Lane, Factory Creek Road	7	April 2010	1,600
2010-227	Port Royal Island Bush Hog	6	April 2010	4,625
2010-221	Port Royal Island Vacuum Truck - Poppy Hill Road, Donaldson Camp Road, Public Works Complex	9	April 2010	590
2009-119	Royal Pines Subdivision - Pickens Street	7	April 2010	10,146
2010-222	Sheldon Bush Hog	6	April 2010	11,498
2010-224	St. Helena Island Bush Hog	5	April 2010	8,924

Project Number	Project Name	Council District	Completion Month	Amount
2010-223	St. Helena Island Vacuum Truck - Cee Cee Road, Chislom Lane, Tombee Road, James Washington Road, Hunters Grove Road, Distant Island Road	5	April 2010	2,290
2010-212	Vidalia Road	6	April 2010	3,640
2010-148	Walker Circle	6	April 2010	4,575
2010-217	Warsaw Island Road	5	April 2010	3,717
2010-203	White Sands Circle	5	April 2010	3,198
2010-158	Wimbee Landing Road	6	April 2010	30,324
2010-219	Zehm Lane	8	April 2010	15,344
2010-243	Bluffton Vacuum Truck - Sunny Glen Drive, Spring Crossing Drive, Sandy Point Drive, Skylark Drive, W Morning Side Drive, E Morning Side Drive, Luray Road, Knight Bridge Road, Rooks Bridge Road, Chipwood Lane Shelter Wood Lane	4	May 2010	2,143
2010-074	Burton Wells Park Phase I	8	May 2010	135,611
2010-246	Capehart Circle	6	May 2010	1,932
2010-196	Forest Field Subdivision - Providence Road	9	May 2010	32,008
2010-226	Lady's Island Bush Hog	7	May 2010	271
2010-241	Lady's Island Vacuum Truck - Johnson Landing Road, Shorts	7	May 2010	794
2010-233	Old Salem Road	9	May 2010	2,234
2010-242	Port Royal Island Bush Hog	6	May 2010	13,093
2010-244	Port Royal Vacuum Truck - Glass Road And Murray Road	8	May 2010	571

Project Number	Project Name	Council District	Completion Month	Amount
2010-254	Public Works Fuel Complex	6	May 2010	476
2010-238	Sheldon Bush Hog	6	May 2010	13,146
2010-240	St. Helena Island Bush Hog	5	May 2010	16,688
2010-257	Audobon Woods Subdivision	6	June 2010	1,633
2010-119	Burton Wells Park Outfall Ph II	8	June 2010	106,795
2010-165	Luther Lane and Candy Johnson Drive	5	June 2010	33,776
2010-252	Marquis Way	7	June 2010	6,642
2010-251	Port Royal Island Bush Hog	9	June 2010	519
2010-247	Pinewood Circle East/West and Joe Frazier Outfall	6	June 2010	25,254
2010-249	Sheldon Bush Hog	6	June 2010	14,107
2010-250	St. Helena Island Bush Hog	5	June 2010	12,446
2008-179	Westbury Park Outfall	4	June 2010	22,271
2010-124	Windy Lakes Phase II/Sugaree Drive and Lotus Court	4	June 2010	41,243
2010-253	St. Helena Elementary School	5	June 2010	6,953

Unincorporated Beaufort County Total 2,889,182

Project Number	Project Name	Council District	Completion Month	Amount
2010-132	Town of Port Royal - Richmond Avenue	9	February 2010	15,370

Town Of Port Royal Total 15,370

Project #	Project Name		Completion Month	Amount
2009-110B	City of Beaufort - Battery Shores - Phase III	9	July 2009	75,723
2010-015	City of Beaufort - Azalea Drive	9	August 2009	421
2010-045	SCDOT - Monson Street	11	September 2009	2,073
2010-170	City of Beaufort - Vacuum Truck - Battery Shores Phase III	9	March 2010	868
2010-180	City of Beaufort - Vacuum Truck - W Royal Oaks Drive, Coates Lane, King Street, Laurens Street, East Street, Prince Street, New Castle Street, Craven Street	11	March 2010	1,787
2010-205	City of Beaufort - Battery Sores - Pine Martin Road	9	March 2010	3,281

City Of Beaufort Total 84,152

Project Number	Project Name	Council District	Completion Month	Amount
2010-072	Town of Bluffton - Buck Island Road	4	September 2009	3,048

Town Of Bluffton Total 3,048

Project Number	Project Name	Council District	Completion Month	Amount
2010-005	Town of Hilton Head Island - Harbor Master	3	July 2009	1,240
2010-024	Town of Hilton Head Island Bush Hog - Hilton Head Island Airport	2	August 2009	4,781
2010-035	Town of Hilton Head Island - Pembroke Drive	2	September 2009	1,966
2010-036	Town of Hilton Head Island - Hilton Head Bush Hog - China Berry	2	September 2009	9,422
2010-206	Town of Hilton Head Island - Barker Field	1	March 2010	5,025

Town Of Hilton Head Total 22,436

Fiscal Year 2010 Total \$ 3,014,188

Project Summaries For Fiscal Year 2011

Project Number	Project Name	Council District	Completion Month	Amount
2008-013	Polite Drive	8	July 2010	\$ 22,694
2010-051	Ashepoo Drive	10	July 2010	30,855
2010-094	Airport Circle	7	July 2010	22,910
2010-194	Fair Road And Riley Road	9	July 2010	43,210
2010-237	Forest Field - Clydesdale Circle, Quarter Horse Road and Pony Avenue	9	July 2010	44,857
2010-256	Thomas Sumpter Street	7	July 2010	23,525
2011-305B	Hilton Head Island Airport	2	July 2010	2,532
2011-518	First Coleman Road	5	July 2010	3,202
2011-529	Wiggfall Road	5	July 2010	4,564
2011-559	Rosieda Road Extension	8	July 2010	1,033
2011-562	Storyteller Road	5	July 2010	16,996
2010-086	Chisolm Hill Road	6	August 2010	152,822
2010-165R	Luther Lane/Candy Johnson Drive	5	August 2010	985
2011-307A	Lady's Island Vacuum Truck - Sherman Drive, Dog Creek, Coosaw Drive	7	August 2010	3,701
2011-501	Cherry Point Road	10	August 2010	23,479
2011-521	Young Circle Outfall	6	August 2010	2,505
2011-527	Joe Fraizer Outfall	8	August 2010	11,115
2011-533	Beaufort County Government Center	8	August 2010	1,947
2011-535	Horace Dawson Lane Outfall	6	August 2010	22,532
2011-536	Cherokee Farm Outfall	8	August 2010	12,353
2011-537	Paige Point Bluff Road	6	August 2010	1,584
2011-545	Westbury Park	4	August 2010	1,296
2011-019	West River Drive	7	September 2010	39,586
2010-211	Godwin Road	8	September 2010	5,442
2010-216	Wimbee Landing Road, Wimbee Creek Road, Kinloch Road and Honeybee Island Road	6	September 2010	47,445
2010-565	Braden Road	6	September 2010	1,373
2011-303A	Sheldon Bush Hog	6	September 2010	34,419
2011-306A	Port Royal Island Vacuum Truck - Jonesfield Road, Jonesfield Place, Boniare Circle S, Public Works	7	September 2010	2,756
2011-308A	Sheldon Vacuum Truck - Mitchell Road	6	September 2010	346
2011-524	Keansneck Road Outfall	6	September 2010	10,236
2011-531	Brickman Way Drive	7	September 2010	2,848
2011-539	Roseida Road	8	September 2010	5,949
2011-560	Daufaskie Island - Church Road	4	September 2010	25,125
2011-567	Green Pond Road & Roosevelt Road	9	September 2010	2,048
2010-084	William Campbell Road Outfall	6	October 2010	39,307
2011-040	Leo Green Road	9	October 2010	26,257
2011-047	Colonial Heights Phase I	9	October 2010	75,841
2011-051	Josephine Drive Phase I	9	October 2010	46,443
2011-300A	St. Helena Island Bush Hog	5	October 2010	27,334
2011-302A	Lady's Island Bush Hog	7	October 2010	1,590

Project Number	Project Name	Council District	Completion Month	Amount
2011-309A	St. Helena Island Vacuum Truck - Tombee Road, Harold Rivers Road	5	October 2010	2,726
2011-517	Sawmill Creek Subdivision	4	October 2010	5,676
2011-526	Island Tank Road	6	October 2010	21,131
2011-538	Pine Run Trail	7	October 2010	507
2011-544	Little Capers Road Outfall	7	October 2010	27,180
2011-550	Claredon Road	6	October 2010	11,831
2011-572	Pinewood Circle	8	October 2010	70,253
2007-98A	Twickenham Plantation Road Phase II	6	November 2010	54,544
2011-051A	Josephine Drive Phase II	9	November 2010	20,464
2011-307B	Lady's Island Vacuum Truck	7	November 2010	3,448
2011-309B	St. Helena Island Vacuum Truck	5	November 2010	2,115
2011-508	Hobcaw Drive	6	November 2010	8,003
2011-510	Bailey Circle	6	November 2010	18,297
2011-516	Sawmill Forest - Chipwood Drive	4	November 2010	3,067
2011-524A	Keans Neck Road Outfall	6	November 2010	32,605
2011-532	Albertha Fields Outfall	6	November 2010	7,370
2011-551	Nathan Pope Road	5	November 2010	1,254
2011-552	Plantation Park Drive	6	November 2010	1,126
2011-561	Alumni Road/ Faculty Drive	7	November 2010	12,484
2011-574	Huspah Court	6	November 2010	15,777
2011-575	Oakhurst Road	6	November 2010	5,691
2011-576	Bluffton Vacuum Truck - Ballfield	4	November 2010	522
2011-583	Pinewood Circle	8	November 2010	1,125
2011-301A	Port Royal Island Bush Hog	8	November 2010	39,474
2008-013R	Polite Road	8	December 2010	4,564
2010124R	Sugaree Windy Lakes/Lotus Court	4	December 2010	3,624
2011-515	Francis Marion	7	December 2010	2,977
2011-534	Archie Sumpter Road	6	December 2010	456
2011-543	Oree Road, Floyd Road and Bull Corner Road	6	December 2010	31,795
2011-047A	Colonial Heights Phase II	9	January 2011	131,446
2011-573	Token Lane	7	January 2011	10,619
2011-578	White Sands Road	5	January 2011	1,754
2011-582	Airport Circle	7	January 2011	358
2011-591	Jay Street	9	January 2011	889
2011-556	Burton Wells Road and Sonya Faye Lane	8	January 2011	42,627
2011-599	Storm Drain Cover Replacements	8	January 2011	1,401
2011-607	Big Estate Road Outfall	6	January 2011	1,585
2011-608	Toomer Road And Scott Hill Road	5	January 2011	631
2011-035	Pine Needle Court	7	February 2011	14,674
2011-047B	Colonial Heights Phase III	9	February 2011	55,363
2011-302B	Lady's Island Bush Hog	7	February 2011	9,269
2011-547	Mroz Road	8	February 2011	7,000
2011-554	Warsaw Island Road Outfall	5	February 2011	29,529
2011-581	Ernest Drive And Queens Road	5	February 2011	51,379
2011-584	Wimbee Landing	6	February 2011	10,262
2011-585	L.H.Nelson And Hale Drive	9	February 2011	12,286
2011-588	Cherokee Farm Road	8	February 2011	3,864

Project Number	Project Name	Council District	Completion Month	Amount
2011-593	Woodbridge Subdivision	4	February 2011	6,931
2011-597	Stanley Road	8	February 2011	1,455
2011-600	David Green Outfall #2	5	February 2011	4,677
2011-603	Rivers End Subdivision	8	February 2011	504
2011-606	Sheldon Road Sweep	6	February 2011	1,339
2011-609	Buckwalter Parkway	4	February 2011	5,829
2011-611	County Shed	8	February 2011	773
2011-613	Jasmine Hall Road	6	February 2011	1,160
2011-614	Ihly Farm Road	6	February 2011	4,790
2011-617	Braden Road	6	February 2011	2,376
2011-057	Riverbank Drive	11	February 2011	17,627
2011-017	Sea Pines Coffin Point	5	March 2011	14,848
2011-047C	Colonial Heights Phase IV	9	March 2011	59,006
2010-547	Pine Grove Road	8	March 2011	4,773
2011-300B	St. Helena Island Bush Hog	5	March 2011	27,662
2011-303B	Sheldon Bush Hog	6	March 2011	46,300
2011-310A	Bluffton Vacuum Truck	4	March 2011	4,503
2011-587	Kenton Court	4	March 2011	1,988
2011-590	Sandy Point Subdivision - East Morningside	4	March 2011	9,040
2011-594	Burton Wells Complex	8	March 2011	47,327
2011-604	Capers Island Circle Outfall	5	March 2011	1,880
2011-605	Airport Circle	7	March 2011	20,903
2011-616	Thomas Atkins Road	7	March 2011	2,283
2011-625	Brown's Island Road Gum Tree Road	6	March 2011	3,612
2011-561R	Alumni Road/Faculty Drive	7	March 2011	1,335
2011-615	Brickyard Point Road N	7	March 2011	1,256
2011-047D	Colonial Heights Phase V	9	April 2011	63,132
2011-194B	Riley/ Fair/ VFW Phase III	9	April 2011	7,253
2011-505	Old Miller Road	4	April 2011	26,455
2011-558	Mayfair Court	7	April 2011	2,211
2011-564	Poosum Hill Road Outfall	8	April 2011	50,932
2011-571	Sheppard Road	7	April 2011	3,164
2011-579	Scott Hill Outfall	5	April 2011	7,543
2011-596	Sandhill Estates Subdivision - Sandhill Drive, Shannon Lane, Tammy Lane, Craig Lane and Chris	6	April 2011	66,182
2011-610	Brown's Island Road Gum Tree Road	6	April 2011	6,446
2011-619	Seaside Road	5	April 2011	3,464

Project Number	Project Name	Council District	Completion Month	Amount
2011-006	Dawson/Haynes Outfall	6	May 2011	97,358
2011-035A	Pine Needle Court	7	May 2011	4,460
2011-309C	St. Helena Island Vacuum Truck	5	May 2011	12,320
2011-503	Pine Run Trail	7	May 2011	2,885
2011-514	Bradley Road Outfall	5	May 2011	16,364
2011-519	Honeysuckle Lane	7	May 2011	2,426
2011-542	St. Helena Ball Park Complex	5	May 2011	6,464
2011-589	SCDOT - Blue Heron Point Road	1	May 2011	9,335
2011-601	St. Helena Road Sweep	5	May 2011	5,476
2011-612	Prescott Road	6	May 2011	2,998
2011-620	Grande Oaks Drive	4	May 2011	13,036
2011-621	Penn Center	5	May 2011	1,081
2011-622	Port Royal Island Vacuum Truck - Jefferson Drive	9	May 2011	341
2011-623	Peaches Hill Circle	5	May 2011	5,565
2011-624	Airport Circle	7	May 2011	9,392
2011-626	Roseida Road	8	May 2011	3,324
2011-627	Burton Wells Road Outfall	8	May 2011	14,081
2011-628	Scott Hill Road Outfall - Ballfield	5	May 2011	1,998
2011-630	Laurel Street East	6	May 2011	1,049
2011-045	Backache Acres - Pond	6	June 2011	9,296
2011-056	Salt Creek Drive West	6	June 2011	4,473
2011-306B	Port Royal Island Vacuum Truck - Josephine Drive, Stanley Road	9	June 2011	6,778
2011-307C	Lady's Island Vacuum Truck	7	June 2011	7,738
2011-308B	Sheldon Vacuum Truck	6	June 2011	5,955
2011-548	Tombee Road Outfall	5	June 2011	1,753
2011-553	Parker Drive Outall	6	June 2011	7,994
2011-569	Lady's Island Park	7	June 2011	29,559
2011-577	Langford Road	5	June 2011	21,643
2011-629	Lambert Outfall	9	June 2011	2,375
2011-631	Salem Drive East	9	June 2011	2,585
2011-632	Paige Point Bluff Road	6	June 2011	5,922
2011-633	Robinson Hill Circle	6	June 2011	4,614
2011-635	Wimbee Landing Road	6	June 2011	31,899
2011-636	Old Barn Road	7	June 2011	1,027
2011-637	Dolphin Point Drive	7	June 2011	1,645
2011-639	River Oaks Road	6	June 2011	1,033
2011-640	Cleveland Road - Communication Towers Outfall	9	June 2011	3,495
2011-641	Cuffy Road Dropoff Center	5	June 2011	3,479
2012-302A	Lady's Island Bush Hog	7	June 2011	16,685

Unincorporated Beaufort County Total 2,550,924

Project Number	Project Name	Council District	Completion Month	Amount
2011-566	Town of Port Royal - Old Shell Point - Whelk Road	9	August 2010	4,625

Town Of Port Royal Total 4,625

Project Number	Project Name	Council District	Completion Month	Amount
2011-540	City of Beaufort - Center Drive East, Center Drive West, Lovejoy Street	11	November 2010	666

City Of Beaufort Total 666

Project Number	Project Name	Council District	Completion Month	Amount
2011-305A	Town of Hilton Head Island - Hilton Head Island Airport	2	July 2010	3,171

Town Of Hilton Head Total 3,171

Fiscal Year 2011 Total \$ 2,559,386



Fiscal Year 2003



Stormwater Utility

Project Report

Warsaw Island Outfall

Project Number: 2002-18

Start Month/Year: July 2002

Completion Month/Year: October 2002

Project Cost: \$22,186

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: The drainage system had not been maintained and there was no access to the outfall drainage system. Also there was stagnant water in the outfall ditches.

Resolution: This project cleared 6,060 feet of maintenance access, cleaned out 22,000 feet of roadside ditch and 6,060 feet of outfall ditches. The Utility also replaced two access pipes and one crossline pipe and installed nine access pipes. Additionally, the Utility cleaned out two crossline pipes, replenished stones, and applied grass for stabilization.

Area Benefited: This project provided drainage for Gardner Circle, Major Road, JB Lane, and surrounding properties.

Before



After





1 inch = 449 feet



Project:
Warsaw Island
Map 1

Activity:
Drainage
Maintenance

Project #:
2002-18

Township:
St. Helena Island

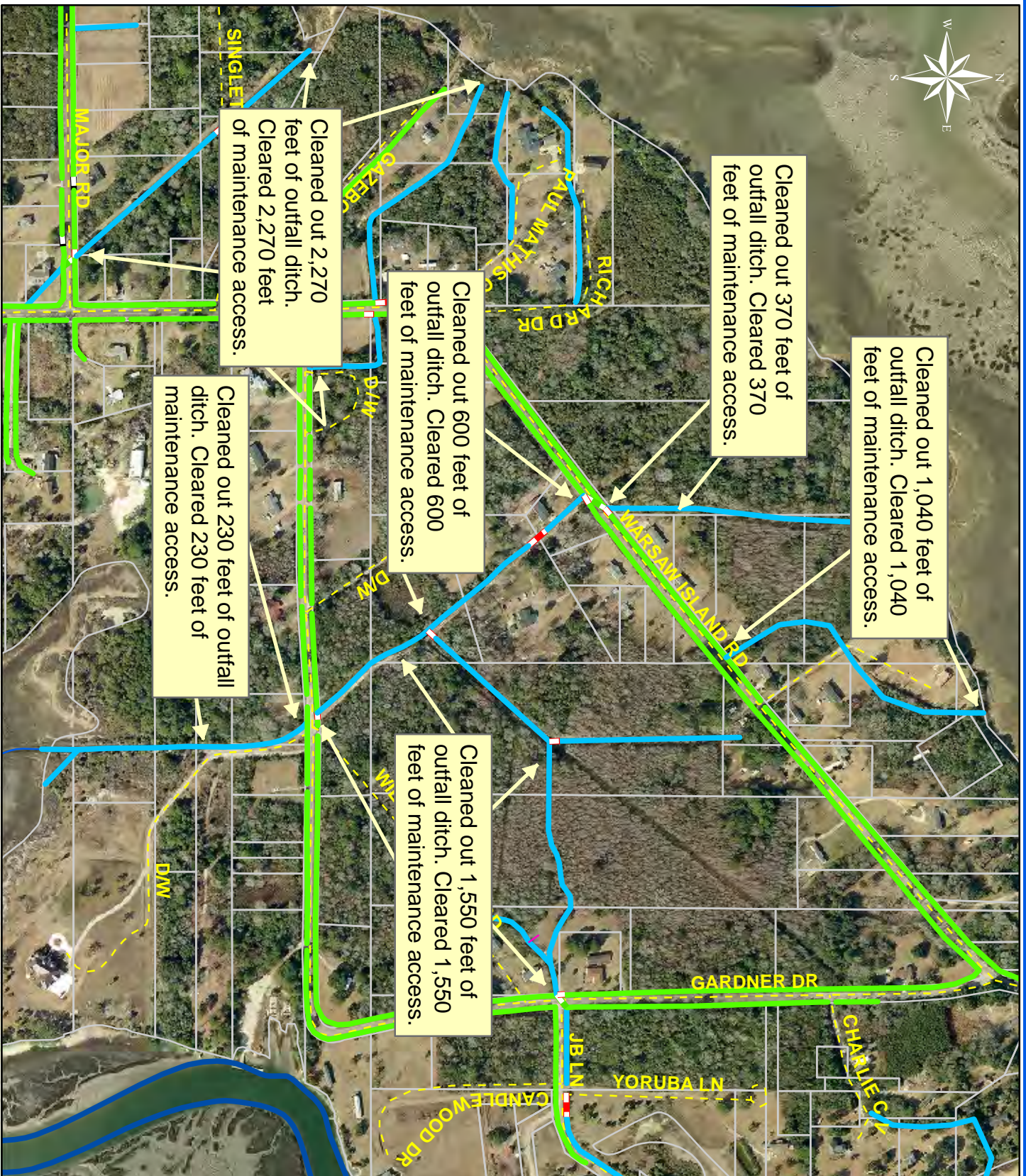
Completed:
October 2002

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

Date Print: 11/02



1 inch = 461 feet



Cleaned out 2,270 feet of outfall ditch. Cleared 2,270 feet of maintenance access.

Cleaned out 370 feet of outfall ditch. Cleared 370 feet of maintenance access.

Cleaned out 1,040 feet of outfall ditch. Cleared 1,040 feet of maintenance access.

Cleaned out 230 feet of outfall ditch. Cleared 230 feet of maintenance access.

Cleaned out 600 feet of outfall ditch. Cleared 600 feet of maintenance access.

Cleaned out 1,550 feet of outfall ditch. Cleared 1,550 feet of maintenance access.

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

Project:
Warsaw Island
Map 2

Activity:
Drainage
Maintenance

Project #:
2002-18

Township:
St. Helena Island

Completed:
October 2002

Date Print: 11/02



Stormwater Utility

Project Report

Pine Run Trail

Project Number: 2002-24

Start Month/Year: December 2002

Completion Month/Year: May 2003

Project Cost: \$137,910

Tax District: 200 - Lady's Island

Council District: 7

Drainage/Water Quality Issue: There was flooding of Pine Run Trail and adjacent properties. Additionally there was standing water on the adjacent properties off of Wade Hampton Drive. Also as North Royal Pines' drainage system was undersized, there was stagnant water throughout the drainage system.

Resolution: This project installed 1,620 feet of roadside pipe, one headwall, eight catch basins, upsized a crossline pipe. The Utility also constructed 1,620 feet of roadside valley drain.

Area Benefited: This project alleviated the flooding, the standing water, and provided drainage for Pine Run Trail and Wade Hampton Drive along with portions of Hickory Road, Red Tip Road, White Dogwood Road, Pickens Street, Winthrop Street, Sam's Point Road, and surrounding properties.

Before



During



After





Project:
Pine Run Trail

Activity:
Drainage Improvement

Project #:
2002-24

Township:
Lady's Island

Completed:
May 2003

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

Date Print: 6/03



Stormwater Utility

Project Report

North Royal Pines Subdivision - Phase I

Project Number: 2003-43

Start Month/Year: April 2003

Completion Month/Year: June 2003

Project Cost: \$23,939

Tax District: 200 – Lady's Island

Council District: 7

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

Resolution: This project cleared 180 feet of outfall ditch and maintenance access, installed 180 feet of outfall pipe, and a catch basin. Additionally, the Utility applied grass for stabilization.

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

Before



During



After



Cleared 180 feet of maintenance access and outfall ditch. Installed 180 feet of outfall pipe and one catch basin.



Project:
North Royal Pines
Subdivision Phase I

Activity:
Drainage
Improvement

Project #:
2003-43

Township:
Lady's Island

Completed:
June 2003



1 inch = 147 feet

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

Date Print: 07/03



Fiscal Year 2004



Stormwater Utility

Project Report

North Royal Pines Subdivision - Phase II

Project Number: 2004-91

Start Month/Year: May 2003

Completion Month/Year: September 2003

Project Cost: \$125,598

Tax District: 200 – Lady's Island

Council District: 7

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

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

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

Before



During



After



Installed 30 feet of outfall pipe and one catch basin.

Cleared 200 feet of maintenance access.

Cleared 280 feet of maintenance access.

Installed 710 feet of outfall pipe and four catch basins.

Cleared 260 feet of maintenance access.



Project:
North Royal Pines
Subdivision - Phase II

Activity:
Drainage
Improvement

Project #:
2004-91

Township:
Lady's Island

Completed:
September 2003

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



1 inch = 147 feet

Date Print: 10/03



Stormwater Utility

Project Report

Community Bible

Project Number: 2002-15

Start Month/Year: September 2003

Completion Month/Year: October 2003

Project Cost: \$77,866

Tax District: 100 - Port Royal Island

Council District: 6

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

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

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

Before



During



After

















Project:
Community Bible

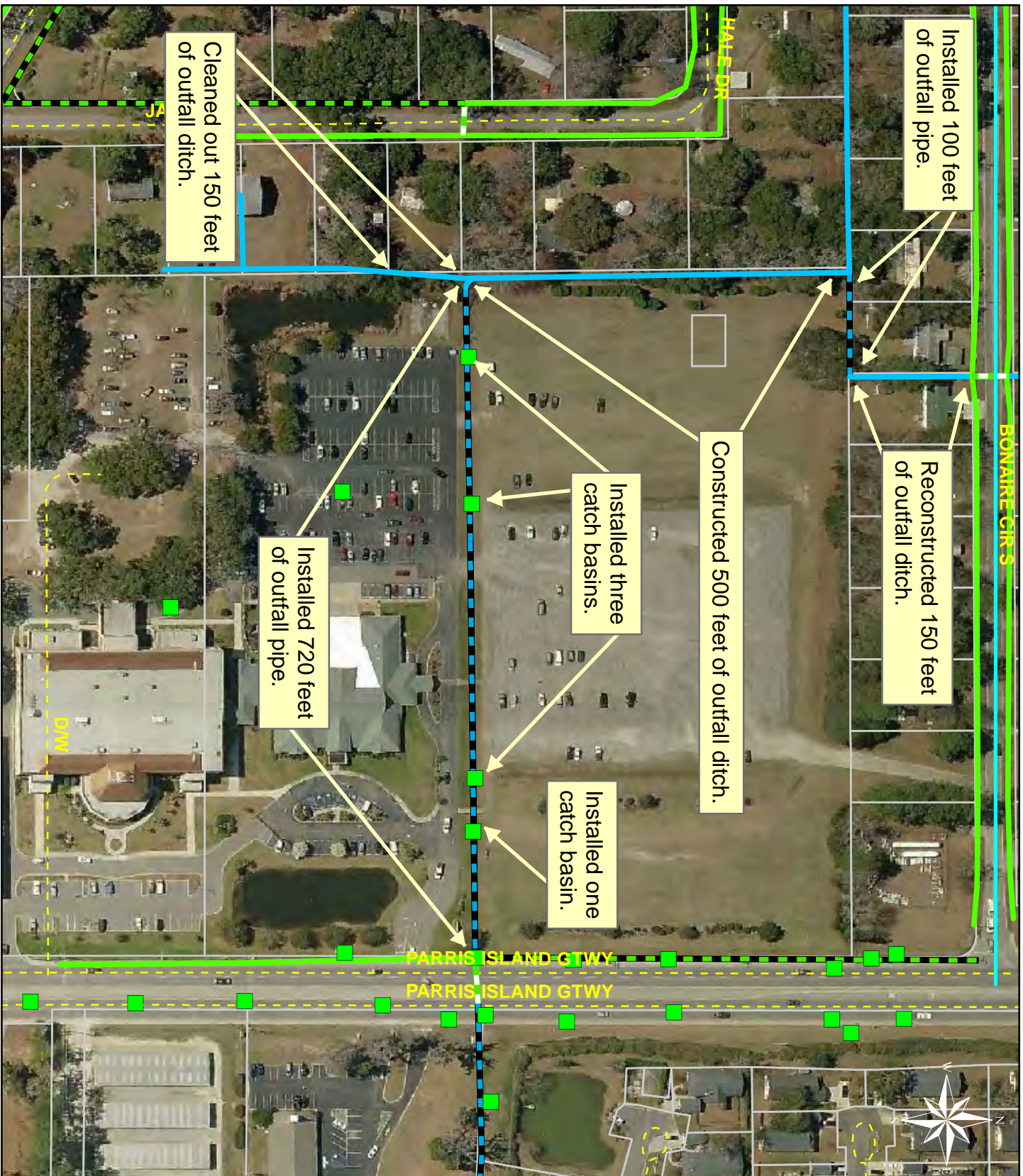
Activity:
Drainage
Improvement

Project #:
2002-15

Township:
Port Royal Island

Completed:
October 2003

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





Stormwater Utility

Project Report

Ashley Drive/Woodbine Avenue

Project Number: 2005-22

Start Month/Year: November 2003

Completion Month/Year: November 2003

Project Cost: \$24,838

Tax District: 200 – Lady's Island

Council District: 7

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

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

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

Before



During



After



Installed stones and grass for stabilization.

Extended 10 feet of outfall pipe.

Repaired a washout and sinkhole.

Reinstall headwall.



Project:
Ashley Drive/
Woodbine Avenue

Activity:
Drainage
Maintenance

Project #:
2005-22

Township:
Lady's Island

Completed:
November 2003

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



Stormwater Utility

Project Report

Allendale/Fairfax Phase II

Project Number: 2005-52

Start Month/Year: October 2003

Completion Month/Year: January 2004

Project Cost: \$49,284

Tax District: 600 – Bluffton

Council District: 4

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

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

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

Before



During



After



Project:
 Allendale Street/
 Fairfax Street Phase II

Activity:
 Drainage
 Improvement

Project #:
 2005-52

Township:
 Bluffton

Completed:
 January 2004



Installed 100 feet of roadside pipe, one crossline and two catch basins.

Installed 20 feet of roadside pipe.

Backfilled 200 feet of outfall ditch.

Installed 600 feet of outfall pipe and four catch basins.

Installed 100 feet of roadside pipe.

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



1 inch = 100 feet

Date Print: 2/04



Stormwater Utility

Project Report

Nathan Pope Road Outfall

Project Number: 2004-57

Start Month/Year: May 2003

Completion Month/Year: January 2004

Project Cost: \$32,099

Tax District: 300 - St. Helena Island

Council District: 5

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

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

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

Before



During



After



Cleared 3,610 feet of maintenance access.

Installed two property drain pipes.

Installed one crossline pipe.

Installed one access pipe.

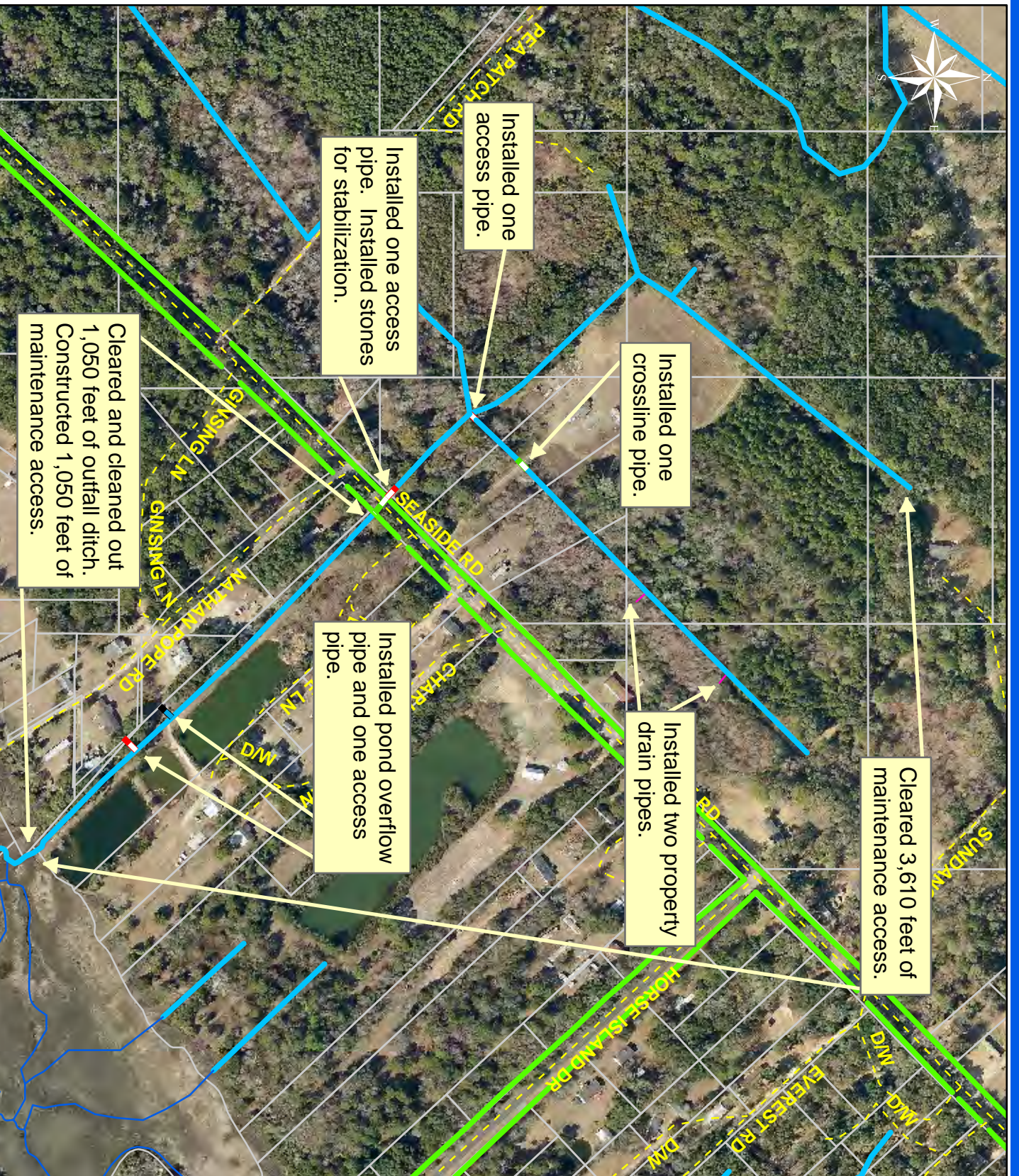
Installed one access pipe. Installed stones for stabilization.

Installed pond overflow pipe and one access pipe.

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



1 inch = 365 feet



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

Project:
Nathan Pope
Road Outfall

Activity:
Drainage
Improvement

Project #:
2004-57

Township:
St. Helena Island

Completed:
January 2004

Date Print: 02/05



Stormwater Utility

Project Report

Shorts Landing Outfall/Maggioni Ditch

Project Number: 2003-02

Start Month/Year: February 2004

Completion Month/Year: March 2004

Project Cost: \$28,044

Tax District: 200 – Lady's Island

Council District: 7

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

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

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

Before



During



After





Project:
Shorts Landing
Outfall/Maggiore Ditch

Activity:
Drainage
Improvement

Project #:
2003-02

Township:
Lady's Island

Completed:
March 2004

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

0 35 70 140 210 280 Feet

1 inch = 106 feet

Date Print: 04/04



Fiscal Year 2005



Stormwater Utility

Project Report

Huspah Drive Outfall

Project Number: 2004-23

Start Month/Year: April 2004

Completion Month/Year: July 2004

Project Cost: \$30,838

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was standing water in the downstream portion of the outfall ditch and flooding in the upstream portion of the outfall ditch and its surrounding properties.

Resolution: This project cleaned out and reconstructed 3,160 feet of outfall ditch and maintenance access. The Utility also installed four access pipes, five property drain pipes, and applied grass for stabilization.

Area Benefited: This project alleviated standing water and flooding and provided drainage for Huspah Drive and surrounding properties.

Before



During



After

















Project:
Huspah Drive
Outfall

Activity:
Drainage
Maintenance

Project #:
2004-23

Township:
Sheldon

Completed:
July 2004

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



0 110 220 440 660 880 Feet

1 inch = 323 feet

Date Print: 7/04



Stormwater Utility

Project Report

Wimbee Landing Road Outfall

Project Number: 2003-06

Start Month/Year: April 2004

Completion Month/Year: July 2004

Project Cost: \$38,610

Tax District: 700 - Sheldon

Council District: 6

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

Resolution: This project cleared 3,260 feet of outfall ditch and realigned 2,970 feet of outfall ditch. The Utility also installed three driveway pipes and three property drain pipes. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the stagnant and standing water and provided drainage for portions of Community Center Road, Keans Neck Road, Wimbee Landing Road, and surrounding properties.

Before



During



After





HERB LAND RD

WIMBEE LANDING RD

COMMUNITY CENTER RD

Installed three driveway pipes and three property drain pipes.

Realigned 2,970 feet of outfall ditch.

Cleared 3,260 feet of outfall ditch.



1 inch = 460 feet

Project:
Wimbee Landing
Road Outfall

Activity:
Drainage
Maintenance

Project #:
2003-06

Township:
Sheldon

Completed:
July 2004

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

Date Print: 9/04



Stormwater Utility

Project Report

Old County Shed Road Outfall

Project Number: 2002-30

Start Month/Year: August 2004

Completion Month/Year: October 2004

Project Cost: \$46,798

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: Portions of the drainage system were eroding and property owners were losing the use of their property. Also the ditch was deep, causing a safety hazard.

Resolution: This project removed trash from the drainage system, cleared 1,070 feet of maintenance access, constructed 310 feet and reconstructed 330 feet of outfall ditch. The Utility also installed 320 feet of outfall pipe, two catch basins, and one headwall. Additionally, the Utility cleaned out one crossline pipe, and for stabilization, installed stones and applied grass.

Area Benefited: This project allowed property owners to regain portions of their property, eliminated the safety hazard, and provided drainage for portions of County Shed Road, Jennings Road, and surrounding properties.

Before



During



After





Project:
Old County Shed
Road Outfall

Activity:
Drainage
Improvement

Project #:
2002-30

Township:
Port Royal Island

Completed:
October 2004

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



Stormwater Utility

Project Report

David Green Outfall

Project Number: 2004-85

Start Month/Year: September 2004

Completion Month/Year: January 2005

Project Cost: \$27,719

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: The property owner requested the outfall ditch be moved to the property line. There was also stagnant water in the outfall ditch.

Resolution: This project cleared 800 feet of maintenance access, backfilled 680 feet of outfall ditch, constructed 800 feet of outfall ditch to realign ditch to property line, and cleaned out 600 feet of outfall ditch. The Utility also installed two access pipes to tie in lateral ditches to the outfall ditch and cleaned out one crossline pipe. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the stagnant water and provided drainage for portions of David Green Road, Sycamore Hill Drive, and Capers Island Road.

Before



During



After



Project:
David Green
Outfall

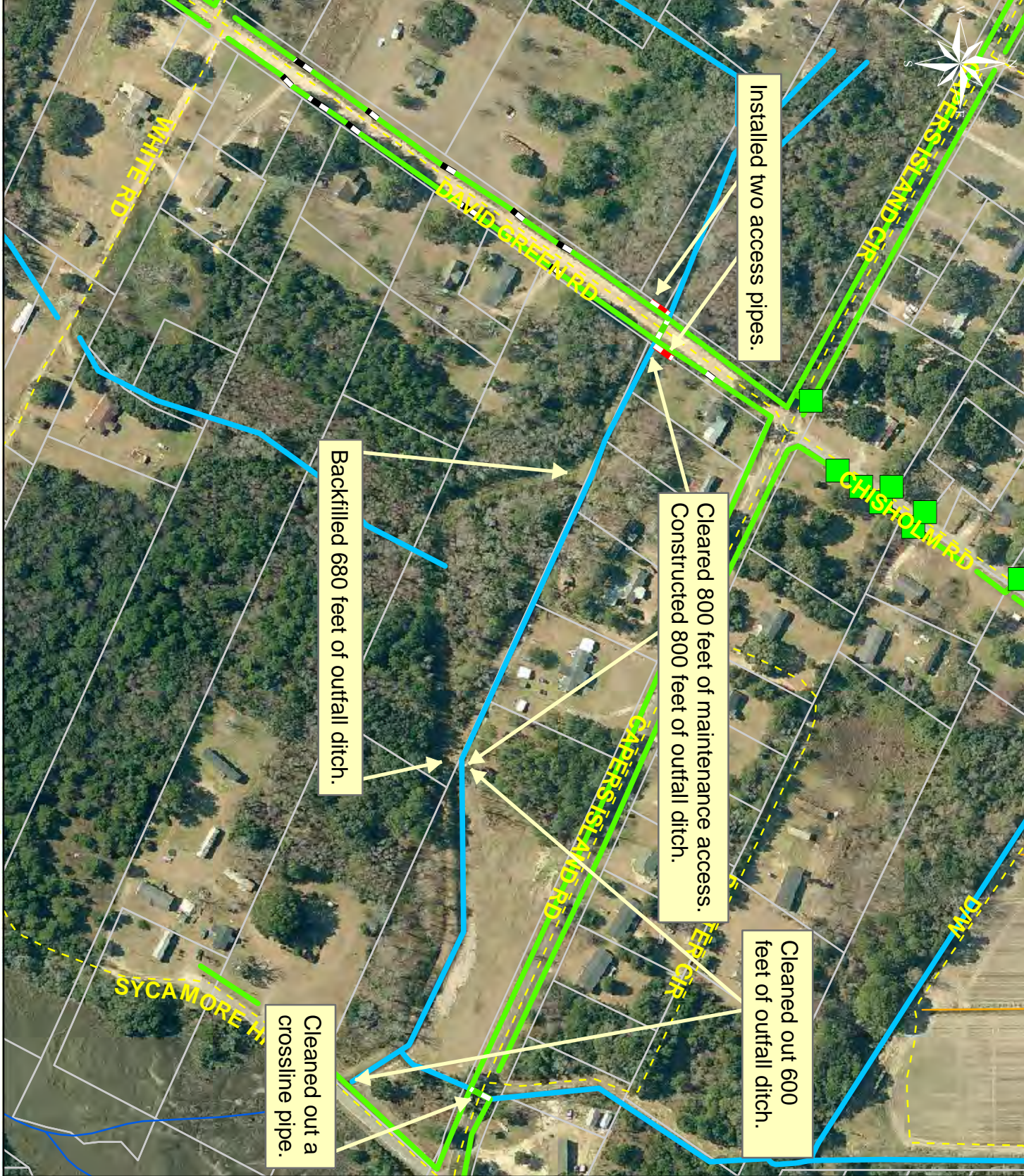
Activity:
Drainage
Improvements

Project #:
2004-85

Township:
St. Helena Island

Completed:
January 2005

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



1 inch = 242 feet

Date Print: 2/05



Stormwater Utility

Project Report

Old Dawson Acres Road

Project Number: 2005-86

Start Month/Year: January 2005

Completion Month/Year: February 2005

Project Cost: \$27,685

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: The outfall ditch was deep, causing a safety hazard. Additionally, there were erosion problems on portions of the roadside.

Resolution: This project installed 500 feet of outfall pipe and two catch basins. The Utility also installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the safety hazard and provided drainage for Haynes Road, Old Dawson Acres Road, a portion of Trask Parkway, and surrounding properties.

Before



During



After



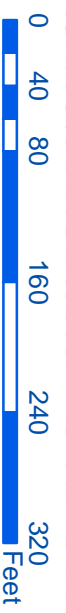
Project:
Old Dawson Acres

Activity:
Drainage
Improvement

Project #:
2005-86

Township:
Sheldon

Completed:
February 2005



1 inch = 117 feet

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

Date Print: 3/05



Stormwater Utility

Project Report

Forest Fields

Project Number: 2004-16

Start Month/Year: November 2004

Completion Month/Year: March 2005

Project Cost: \$137,825

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The property owner requested The Utility move the outfall ditch to the property line. The drainage system was also due for routine maintenance.

Resolution: This project cleared 4,530 feet, cleaned out 5,000 feet, backfilled 3,150 feet, and realigned 1,850 feet of outfall ditch. The Utility also replaced two single crossline pipes with twin crossline pipes and installed seven access pipes. Additionally, the Utility installed stones for stabilization.

Area Benefited: This project provided drainage for portions of St. Pauls Church Road, Clydesdale Circle, Quarterhorse Road, Pony Avenue, Palomino Drive, and Forest Field Road.

Before

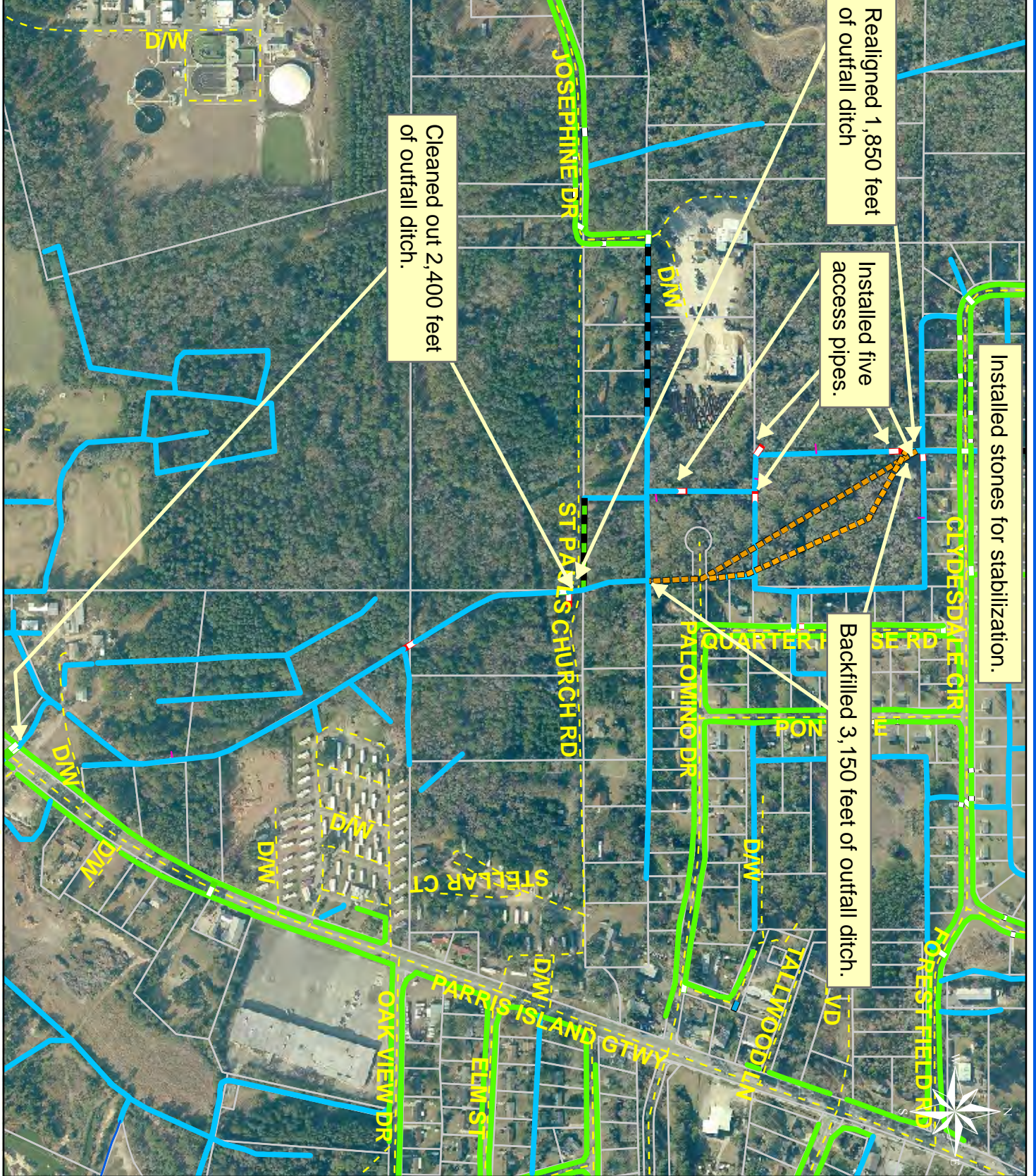


During



After





Project:
Forest Fields
Map 1

Activity:
Drainage
Improvements

Project #:
2004-16

Township:
Port Royal Island

Completed:
March 2005

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

Date Print: 04/05

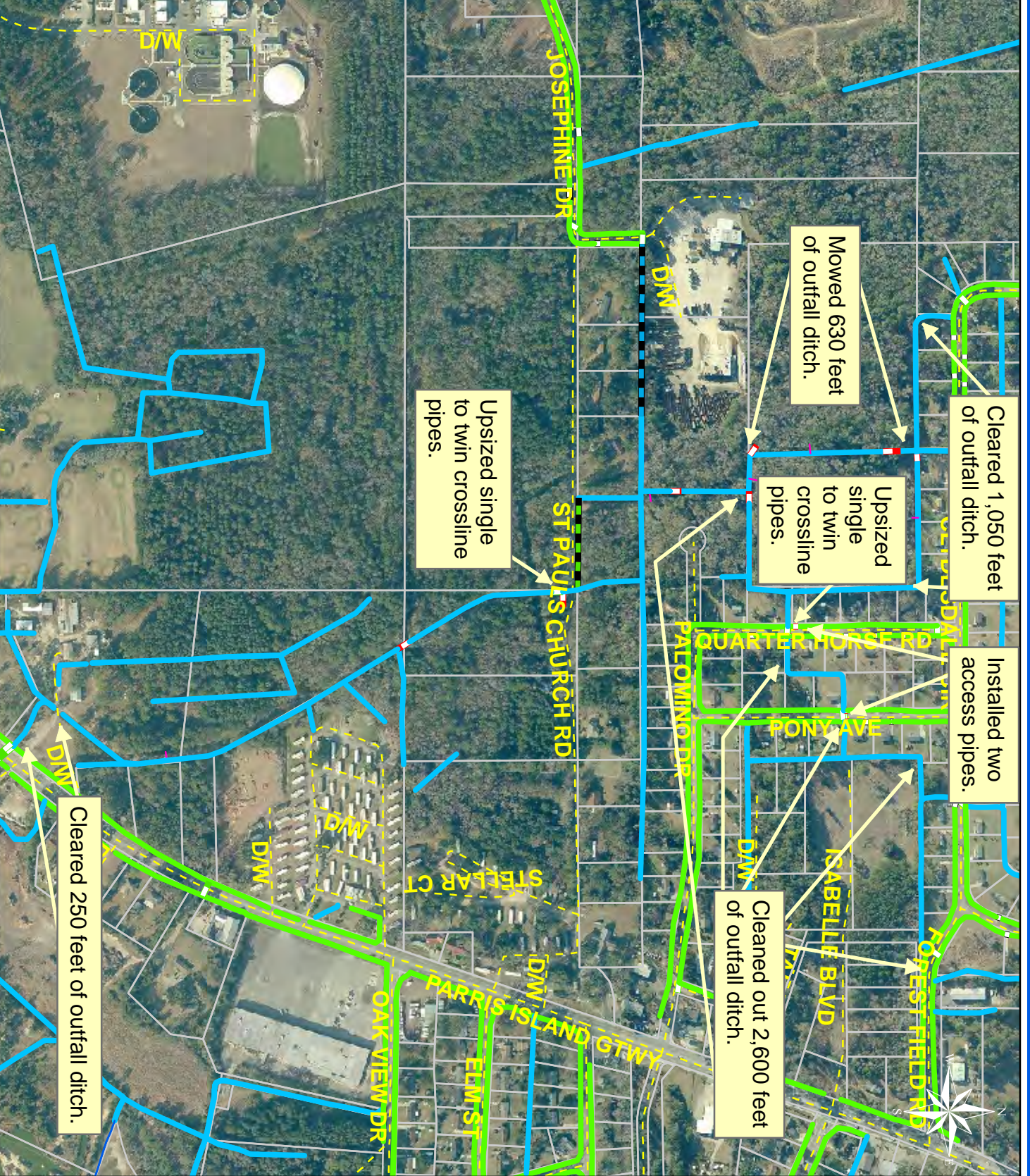
Project:
Forest Fields
Map 2

Activity:
Drainage
Improvements

Project #:
2004-16

Township:
Port Royal Island

Completed:
March 2005



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



Stormwater Utility

Project Report

Bailey Circle and Nix Road

Project Number: 2003-89/2003-90/2005-77

Start Month/Year: December 2004

Completion Month/Year: March 2005

Project Cost: \$31,954

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was stagnant water on the roadside of Bailey Circle and standing water in the outfall ditch.

Resolution: This project cleaned out 2,300 feet of outfall ditch, realigned 200 feet of outfall ditch, and reconstructed 1,400 feet of maintenance access, and 800 feet of roadside ditch. The Utility also installed three property drain pipes, one crossline pipe, and replaced five driveway pipes and two crossline pipes. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the standing water and provided drainage for Nix Road and portions of Bailey Road, Bailey Circle, and surrounding properties.

Before

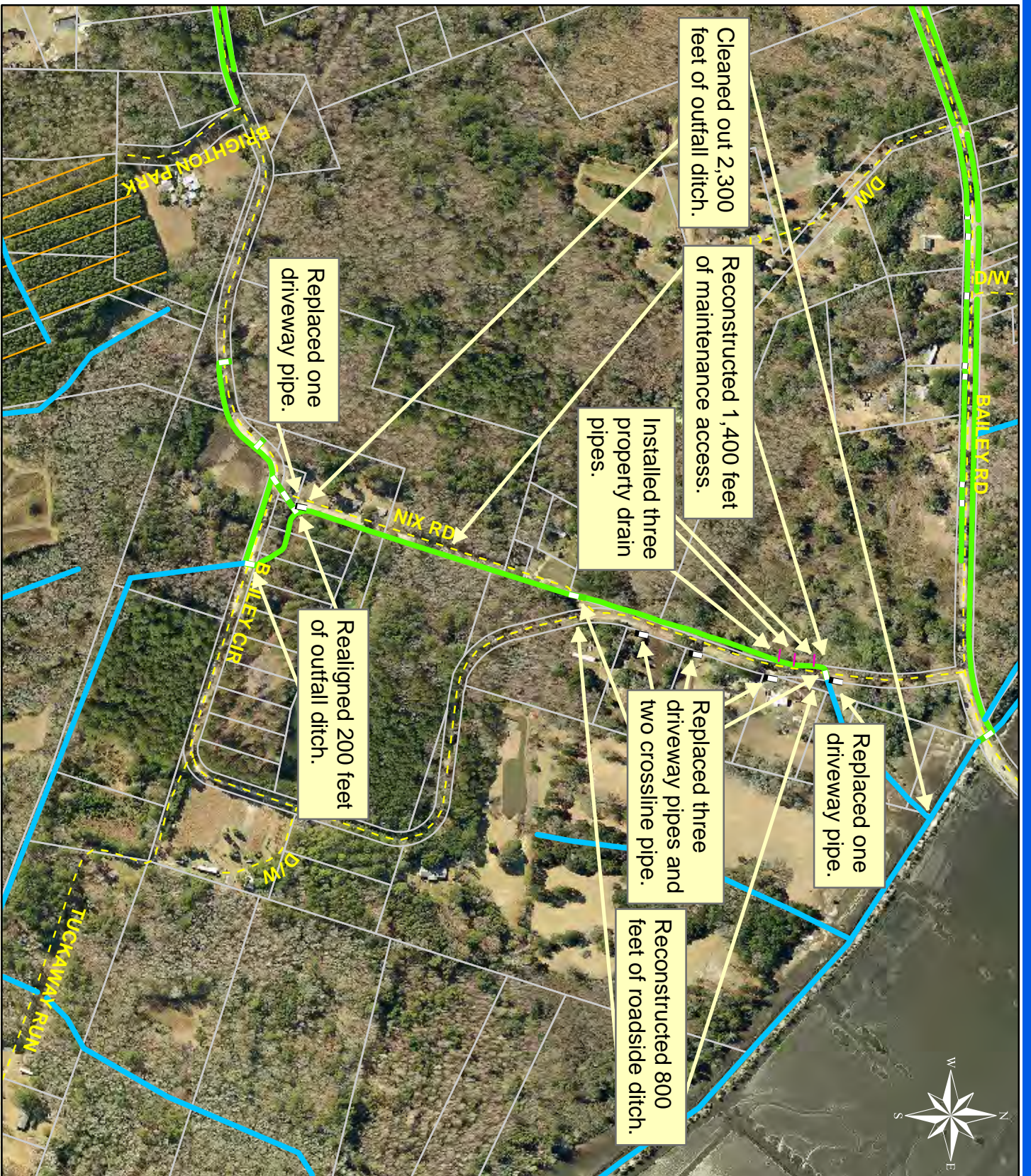


During



After





Project:
Bailey Circle and
Nix Road

Activity:
Drainage
Improvement

Project #:
2003-89, 2003-90
and 2005-77

Township:
Sheldon

Completed:
March 2005

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



Stormwater Utility

Project Report

Town of Hilton Head Island - Main Street

Project Number: 2005-75

Start Month/Year: November 2004

Completion Month/Year: March 2005

Project Cost: \$34,067

Tax District: 510 – Town of Hilton Head Island

Council District: 2

Drainage/Water Quality Issue: There was erosion of the invert end and outlet end of the pond and erosion of the adjacent property.

Resolution: This project installed 280 feet of outfall pipe and a catch basin. The Utility also installed stones to the pond's bulkhead for stabilization. Additionally, the Utility installed grass and stones and applied grass for stabilization.

Area Benefited: This project repaired the erosion issues and provided drainage for portions of Main Street, Wilborn Road, and surrounding properties.

Before



During



After





1 inch = 63 feet

Project:
Town of Hilton
Head Island - Main
Street

Activity:
Drainage
Maintenance





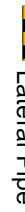

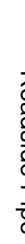






Project #:
2005-75

Township:
Town of Hilton
Head Island

Completed:
March 2005

Legend

Drainage Type

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

Date Print: 9/04



Stormwater Utility

Project Report

Mitchell Road Outfall

Project Number: 2004-42

Start Month/Year: November 2004

Completion Month/Year: May 2005

Project Cost: \$21,678

Tax District: 700 - Sheldon

Council District: 6

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

Resolution: This project cleared 8,750 feet and cleaned out 4,600 feet of outfall ditch. The Utility also installed two access pipes and a driveway pipe. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated stagnant water and provided drainage for a portion of Mitchell Road.

Before



During



After



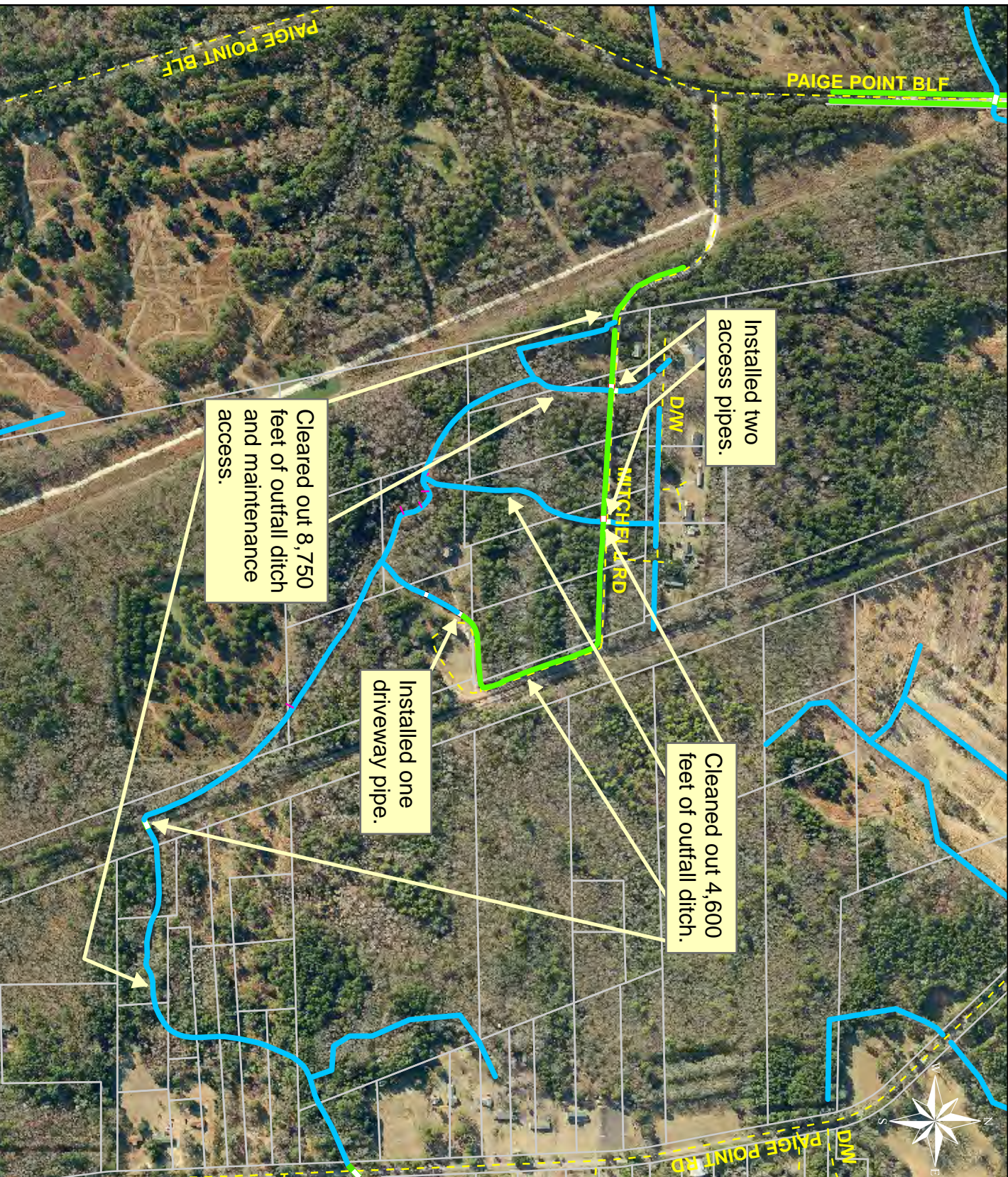
Project:
Mitchell Road Outfall

Activity:
Drainage
Maintenance

Project #:
2004-42

Township:
Sheldon

Completed:
May 2005



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 Outfall and Laterals

Project Number: 2004-99

Start Month/Year: April 2005

Completion Month/Year: June 2005

Project Cost: \$20,213

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: There was standing water throughout the drainage system.

Resolution: This project mowed 1,100 feet of outfall ditch, cleared 610 feet outfall ditch, cleaned out 3,810 feet of outfall ditch, and cleared 1,260 feet of maintenance access. The Utility also installed four access pipes. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated standing water and provided drainage for Walker Circle, and portions of Colonial Ave, Pulaski Drive, and surrounding properties.

Before

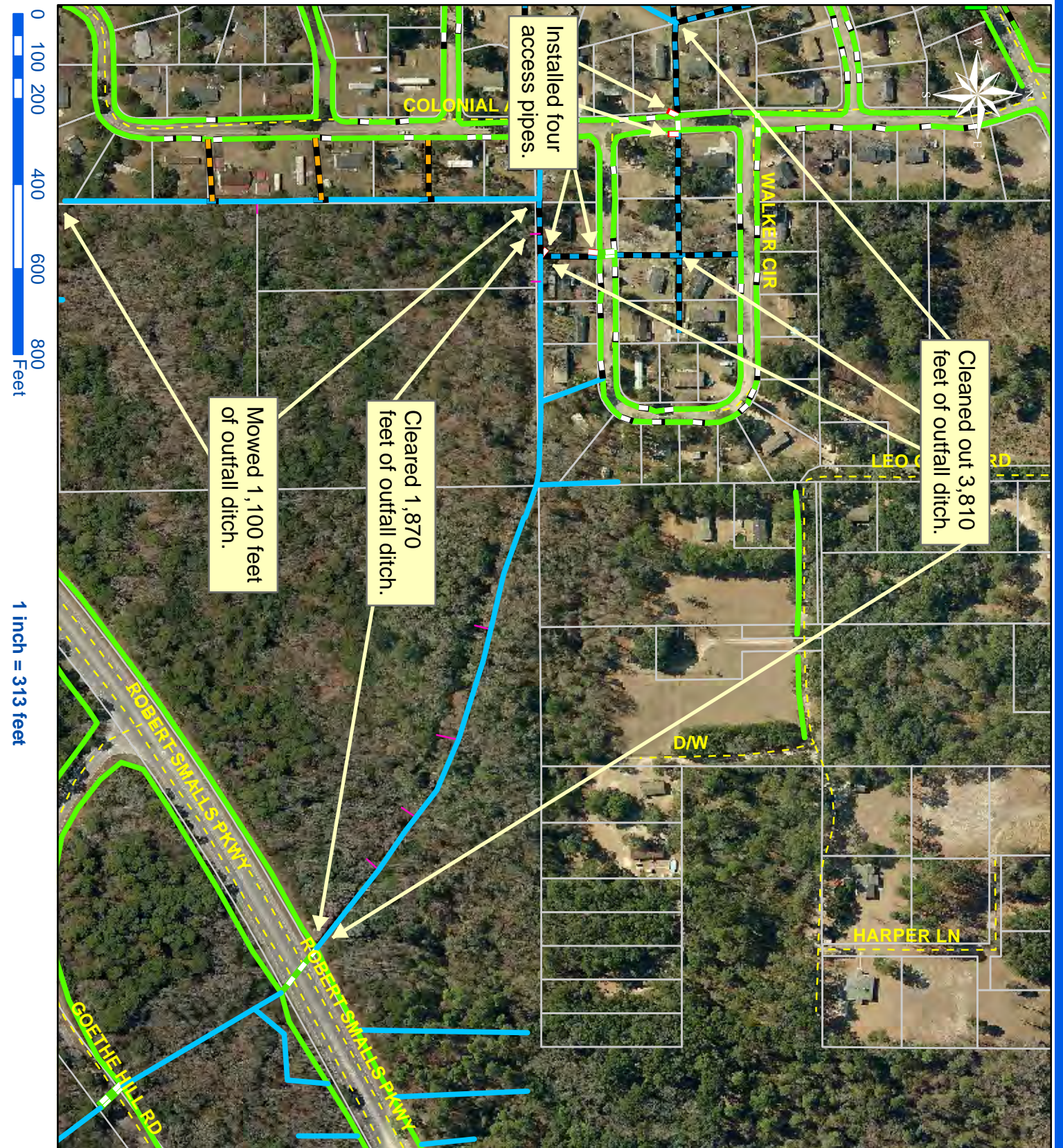


During



After





Project:
 Colonial Heights
 Outfall and Laterals

Activity:
 Drainage
 Maintenance

Project #:
 2004-99

Township:
 Port Royal Island

Completed:
 June 2005

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



Stormwater Utility

Project Report

Salem Drive West Outfall/Lateral

Project Number: 2004-38

Start Month/Year: February 2005

Completion Month/Year: June 2005

Project Cost: \$66,004

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The easement for this outfall ditch did not allow enough area to maintain the ditch.

Resolution: This project cleared out 1,280 feet of outfall ditch and cleaned out 1,120 feet of roadside ditch. The Utility also installed 980 feet of outfall pipe and five catch basins along with replacing a crossline pipe. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: The project allowed the outfall to be routinely maintained. It also provided drainage for Plantation Drive and Salem Drive West.

Before

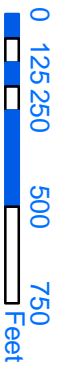
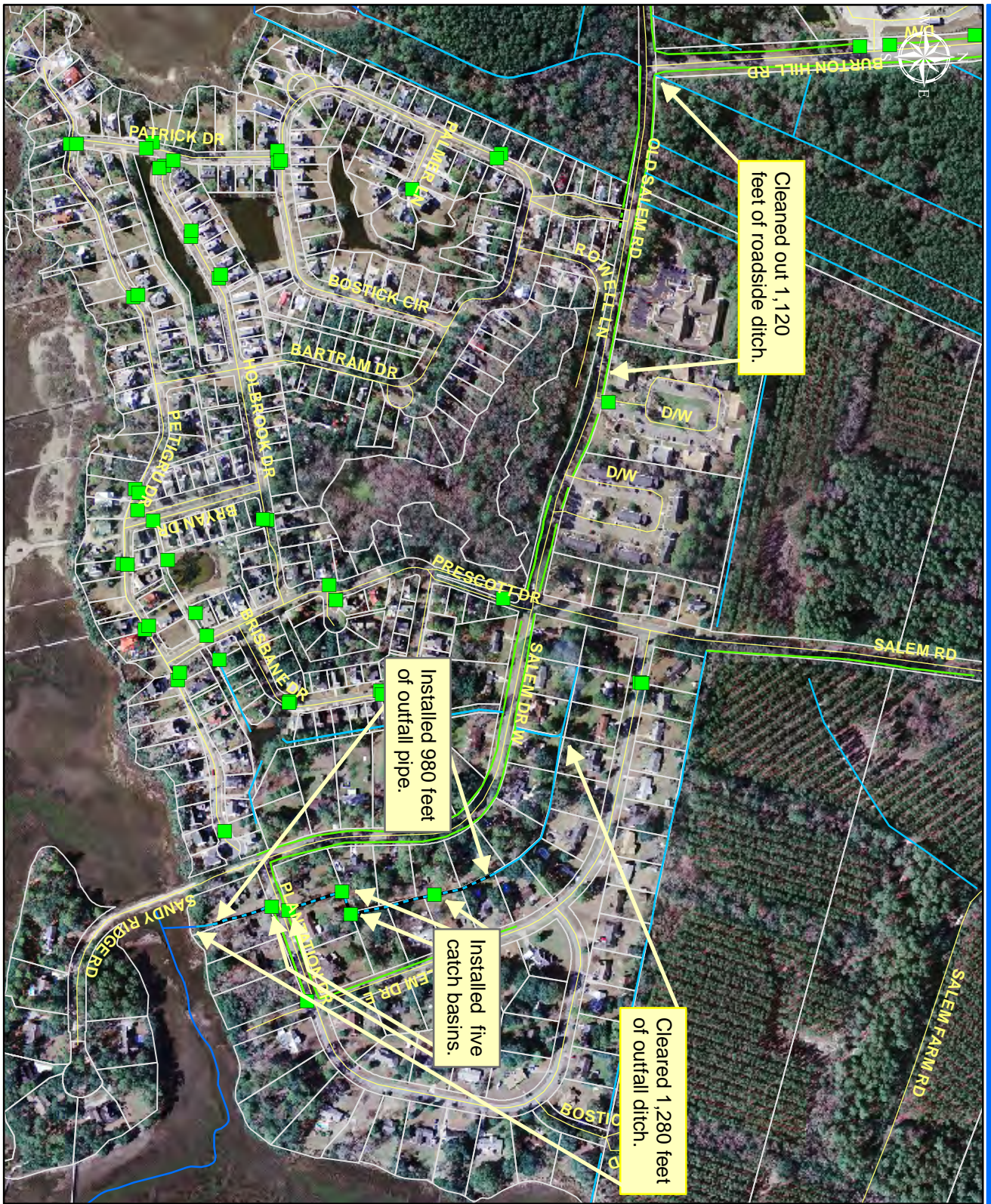


During



After





1 inch = 498 feet

Drainage Type	Symbol
River	Blue line
Stream	Light blue line
Outfall	Yellow line
Lateral	Orange line
Lateral Pipe	Black and orange dashed line
Roadside	Green line
Roadside Pipe	Black and green dashed line
Road Pipe	Black and purple dashed line
Crossline	Green and white dashed line
DW	Black and white dashed line
Access	Red and white dashed line
Piped	Blue and black dashed line
Bleeder	Pink line
Parcels	White outline

Printing Date: 07/05

Project:
Salem Drive West

Activity: Drainage
Maintenance

Project#: 2004-38

Township:
Port Royal Island

Completed:
June 2005



Fiscal Year 2006



Stormwater Utility

Project Report

Patterson Outfall/Joe Allen Drive

Project Number: 2003-86

Start Month/Year: June 2005

Completion Month/Year: August 2005

Project Cost: \$44,006

Tax District: 100 - Port Royal Island

Council District: 6

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

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

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

Before

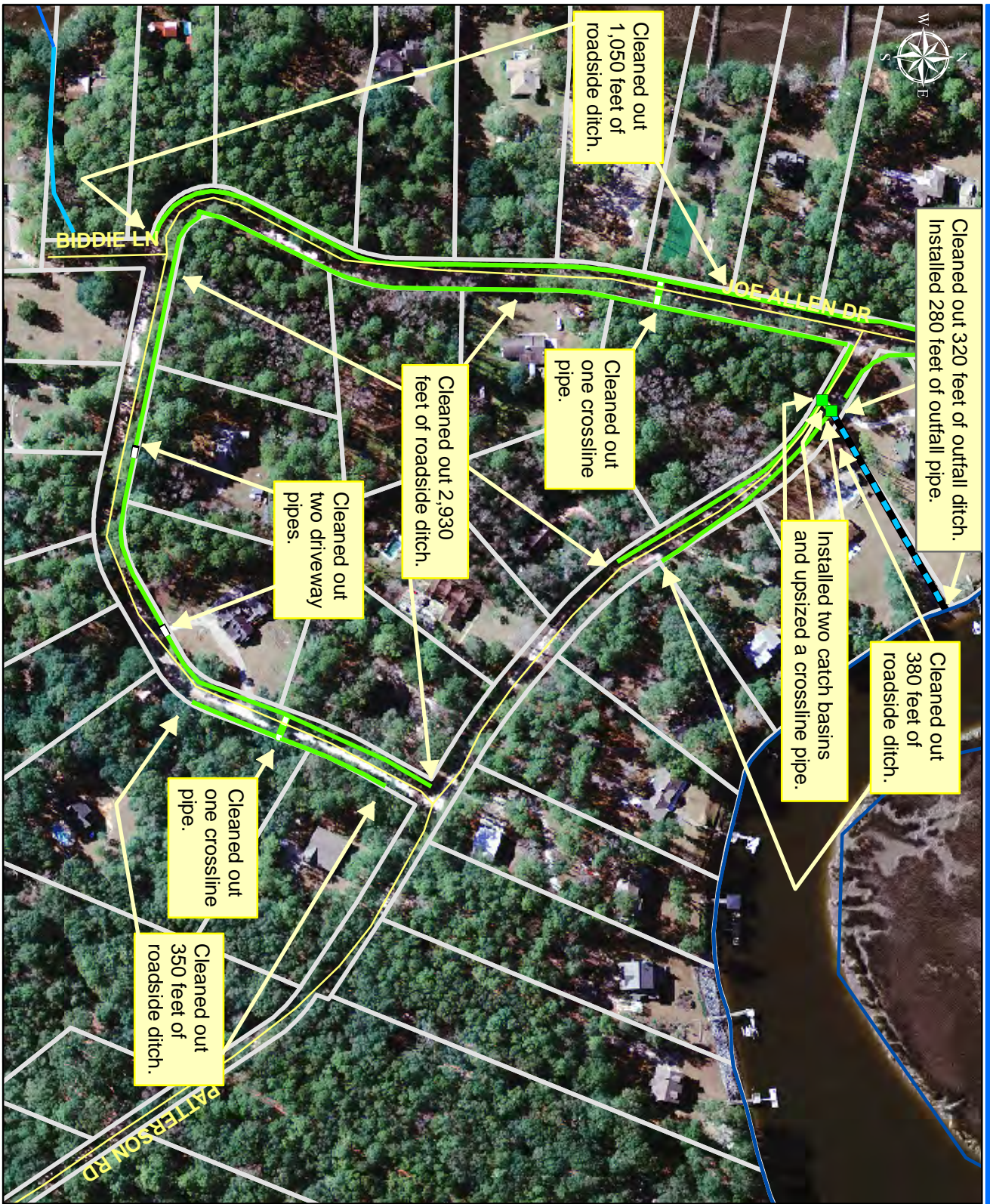


During



After





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

Cleaned out 380 feet of roadside ditch.

Installed two catch basins and upsized a crossline pipe.

Cleaned out 1,050 feet of roadside ditch.

Cleaned out one crossline pipe.

Cleaned out 2,930 feet of roadside ditch.

Cleaned out two driveway pipes.

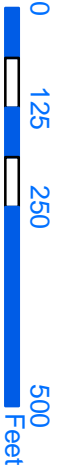
Cleaned out one crossline pipe.

Cleaned out 350 feet of roadside ditch.

BIDDLE LN

JOE ALLEN DR

PATTERSON RD



1 inch = 241 feet

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

Project:
Patterson Road

Activity: Drainage Maintenance

Project #:
2003-86

Township:
Port Royal Island

Completed:
August 2005

Printing Date: 07/05



Stormwater Utility

Project Report

Pinewood Circle Outfall

Project Number: 2004-89

Start Month/Year: January 2005

Completion Month/Year: August 2005

Project Cost: \$66,514

Tax District: 100 - Port Royal Island

Council District: 8

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

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

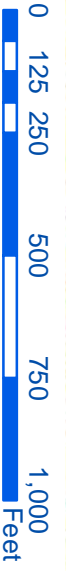
Area Benefited: This project alleviated the standing water and provided drainage for Pinewood Circle, Quail Drive, and a portion of Mroz Road.

Before

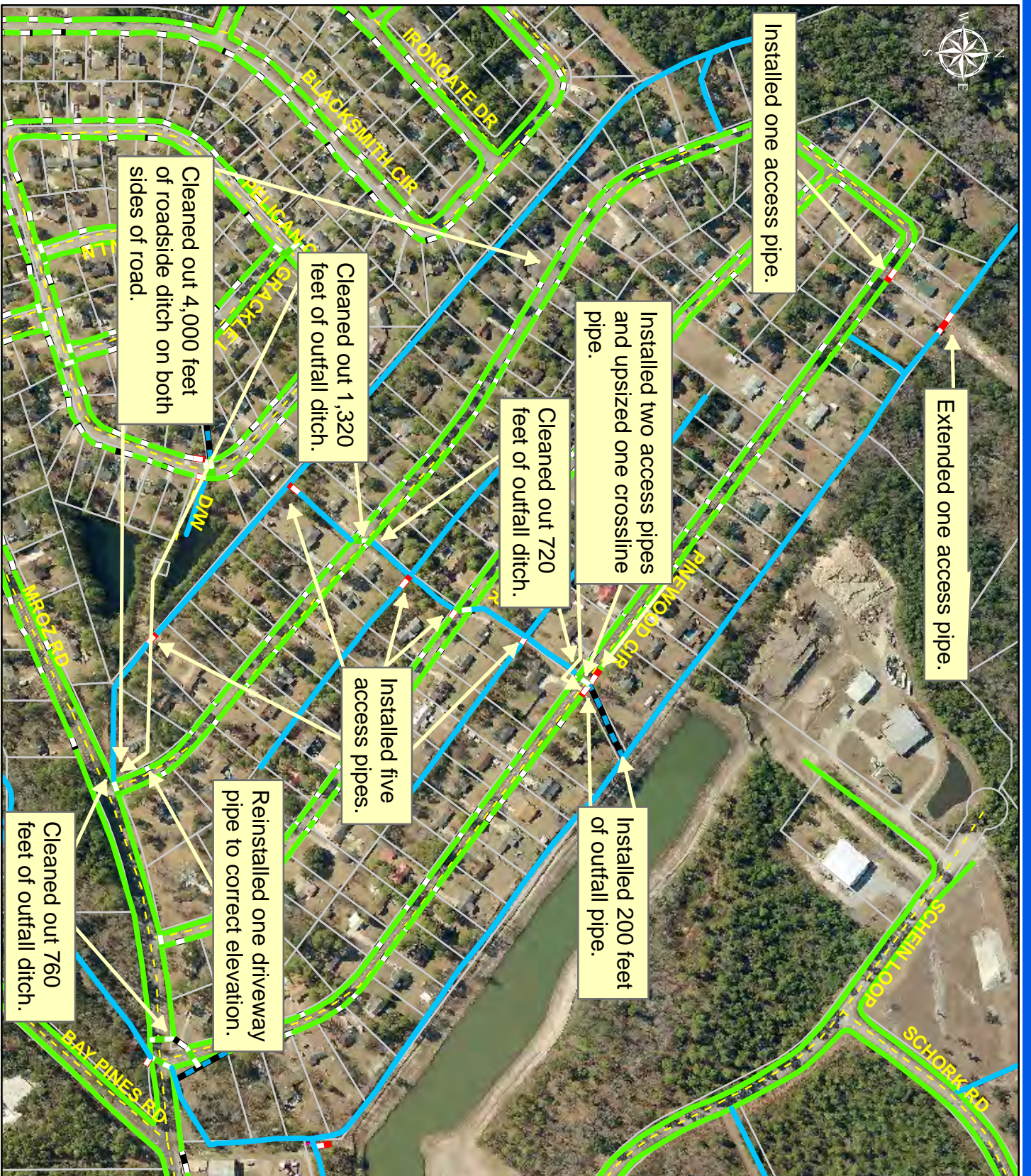


After





1 inch = 392 feet



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

Project:
Pinewood Circle
Outfall

Activity:
Drainage
Improvement

Project #:
2004-89

Township:
Port Royal Island

Completed:
August 2005



Stormwater Utility

Project Report

City of Beaufort - Battery Shores

Project Number: 2006-06

Start Month/Year: October 2005

Completion Month/Year: October 2005

Project Cost: \$20,953

Tax District: 120 - City of Beaufort

Council District: 9

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

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

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

Before



During



After



Project:
City of Beaufort -
Battery Shores

Activity:
Drainage
Maintenance














Project #:
2006-06

Township:
City of
Beaufort

Completed:
October 2005

Legend

Drainage Type

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

Date Print: 12/05





Stormwater Utility

Project Report

St. Pauls Church Road

Project Number: 2006-88

Start Month/Year: September 2005

Completion Month/Year: October 2005

Project Cost: \$28,246

Tax District: 100 - Port Royal Island

Council District: 9

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

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

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

Before



During



After





Project:
St. Pauls Church Road

Activity:
Road Realignment Preparation

Project #:
2006-88

Township:
Port Royal Island

Completed:
October 2005

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



Stormwater Utility

Project Report

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

Project Number: 2006-90

Start Month/Year: October 2005

Completion Month/Year: November 2005

Project Cost: \$25,868

Tax District: 120 - City of Beaufort

Council District: 11

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

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

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

Before



During



After





Cleaned out pond to restore pond to designed hold capacity.



Project:
City of Beaufort -
King Street Pond

Activity:
Clean Out

Project #:
2006-90

Township:
City of Beaufort

Completed:
November 2005

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



Stormwater Utility

Project Report

Wimbee Landing Crosslines

Project Number: 2007-36

Start Month/Year: November 2005

Completion Month/Year: March 2006

Project Cost: \$23,125

Tax District: 700 - Sheldon

Council District: 6

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

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

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

Before



During



After





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



Project:
Wimbee Landing
Crossline Installations

Activity:
Installed three
Crosslines

Project #:
2007-36

Township:
Sheldon

Completed:
March 2006

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



Stormwater Utility

Project Report

Providence Road

Project Number: 2007-51

Start Month/Year: March 2006

Completion Month/Year: May 2006

Project Cost: \$33,060

Tax District: 100 - Port Royal Island

Council District: 9

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

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

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

Before



During



After



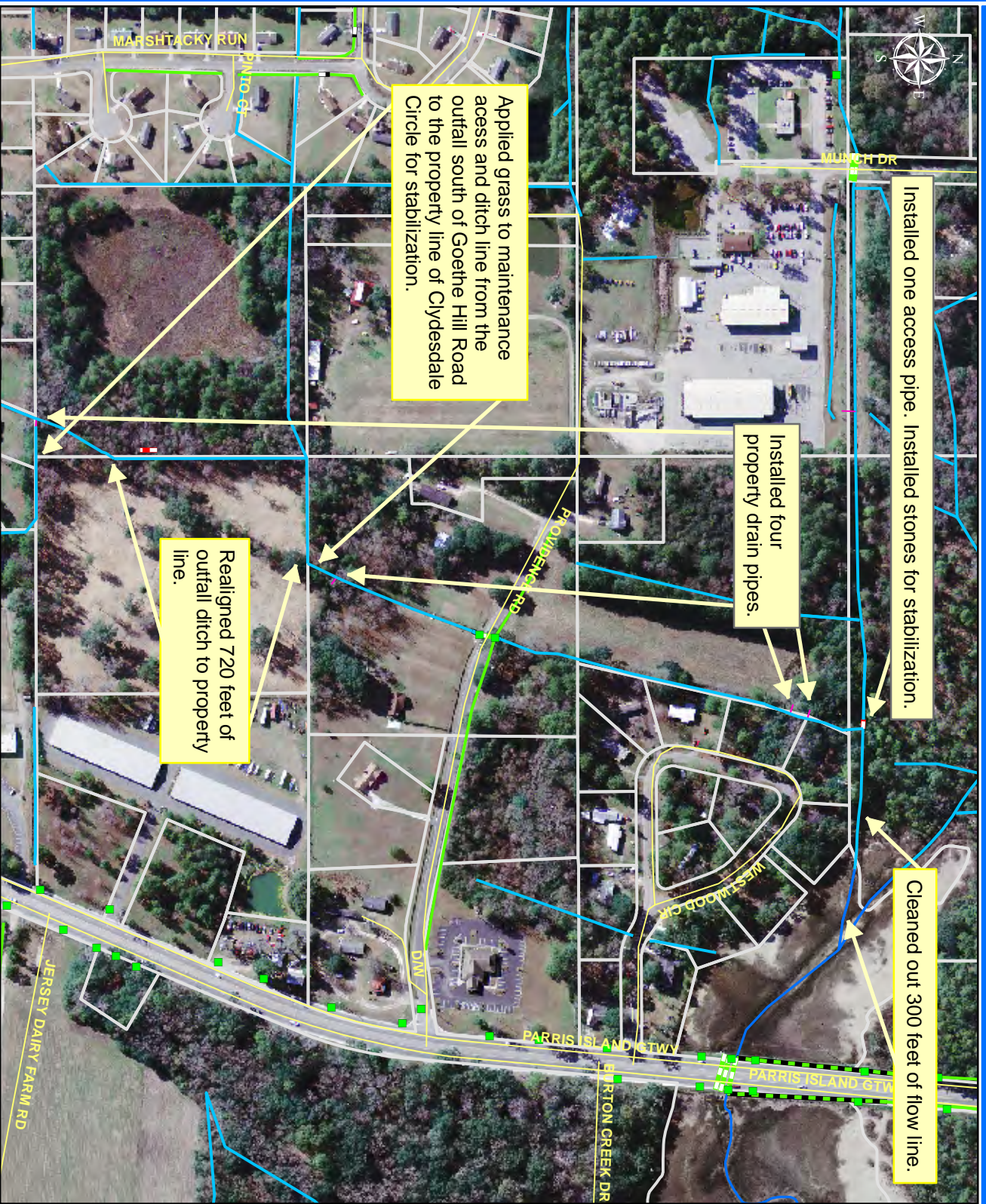
Installed one access pipe. Installed stones for stabilization.

Installed four property drain pipes.

Cleaned out 300 feet of flow line.

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

Realigned 720 feet of outfall ditch to property line.



Project:
 Providence Road and
 Four Seasons Storage

Activity: Drainage
 Maintenance

Project#: 2007-51

Township:
 Port Royal Island

Completed:
 May 2006

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

Printing Date: 07/06



Stormwater Utility

Project Report

Laurel Acres/Pine Grove

Project Number: 2006-16

Start Month/Year: April 2006

Completion Month/Year: June 2006

Project Cost: \$67,198

Tax District: 100 - Port Royal Island

Council District: 8

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

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

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

Before



During



After



Project:
Laurel Acres/
Pine Grove

Activity:
Ditch
Improvements

Project #:
2006-16

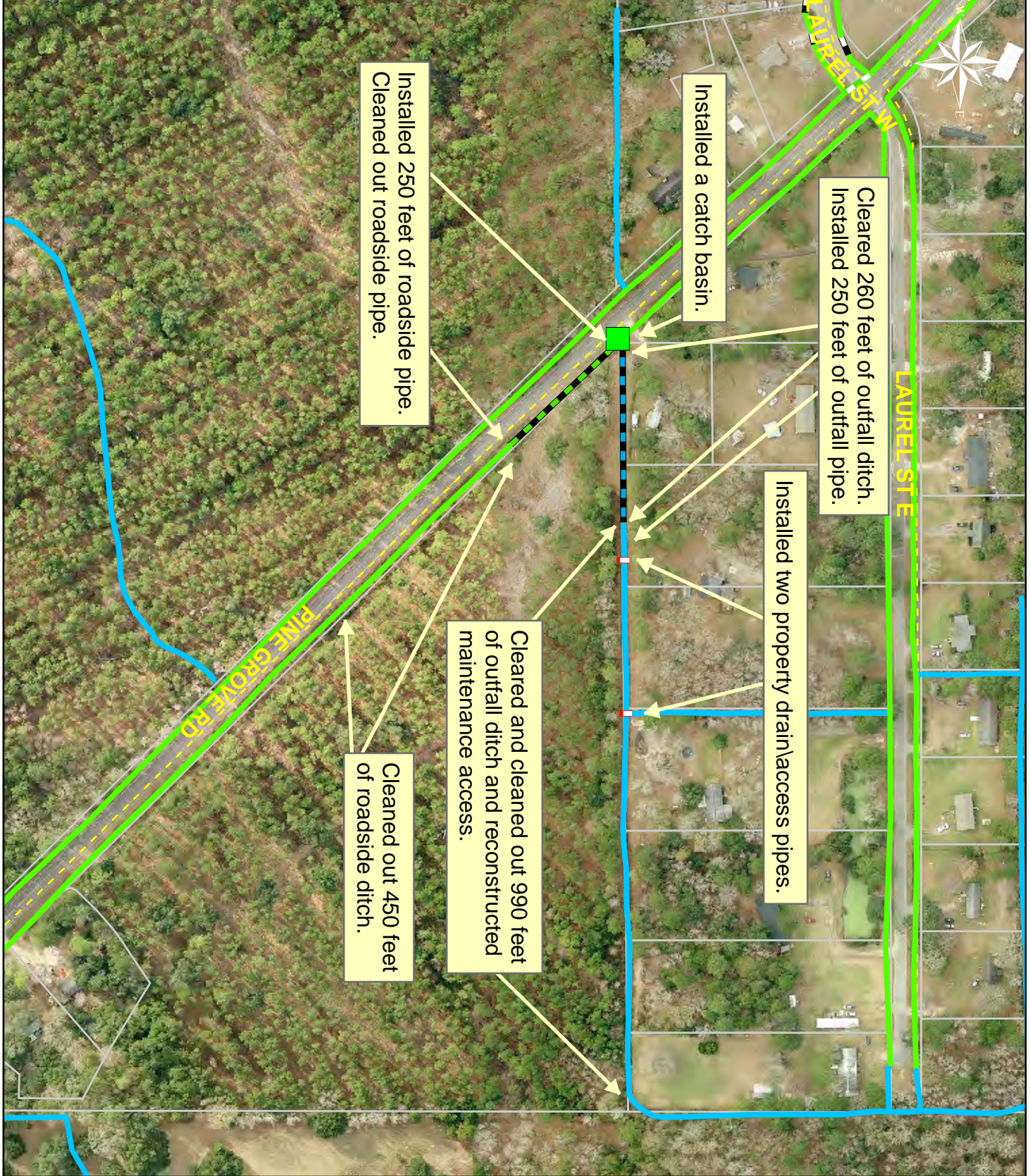
Township:
Port Royal Island

Completed:
June 2006

Legend

Drainage Type

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





Fiscal Year 2007



Stormwater Utility

Project Report

Lost Island Road

Project Number: 2007-58

Start Month/Year: April 2006

Completion Month/Year: July 2006

Project Cost: \$21,996

Tax District: 200 - Lady's Island

Council District: 7

Drainage/Water Quality Issue: There was flooding of an adjacent property during spring tide.

Resolution: This project cleaned out 70 feet of roadside ditch. The Utility also installed 250 feet of roadside pipe, 100 feet of outfall pipe, a flap gate, and two driveway aprons. Additionally, the Utility constructed three catch basins and installed a stone pad. Lastly, the Utility installed stones and grass and applied grass for stabilization.

Area Benefited: This project alleviated the flooding and provided drainage for a portion of Lost Island Road.

Before



During

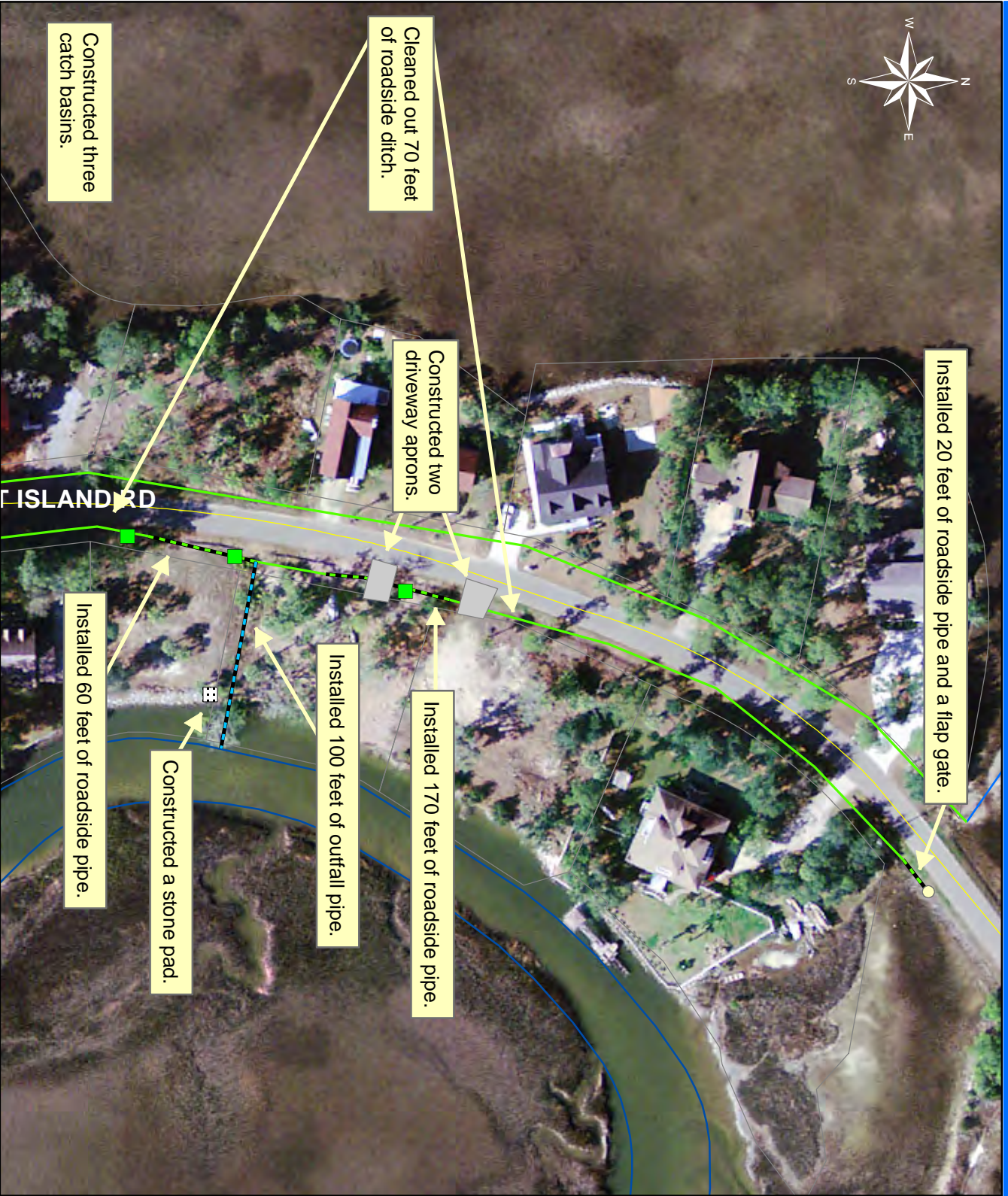


After





0 50 100 200 Feet



1 inch = 100 feet

Installed 20 feet of roadside pipe and a flap gate.

Cleaned out 70 feet of roadside ditch.

Constructed three catch basins.

Constructed two driveway aprons.

Installed 170 feet of roadside pipe.

Installed 100 feet of outfall pipe.

Constructed a stone pad.

Installed 60 feet of roadside pipe.

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

Project:
Lost Island

Activity: Drainage Improvements

Project#: 2007-58

Township:
Lady's Islands

Completed:
July 2006

Print Date: 10/06



Stormwater Utility

Project Report

Westbury Park

Project Number: 2007-46

Start Month/Year: August 2006

Completion Month/Year: September 2006

Project Cost: \$21,102

Tax District: 600 - Bluffton

Council District: 4

Drainage/Water Quality Issue: The retention pond was causing flooding of the surrounding properties.

Resolution: This project mowed and cleaned out 3,000 feet of outfall ditch. The Utility also upsized one access pipe. Additionally, the Utility cleaned out three retention pond overflow pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the flooding and provided drainage for a portion of Simmonsville Road and surrounding properties.

Before

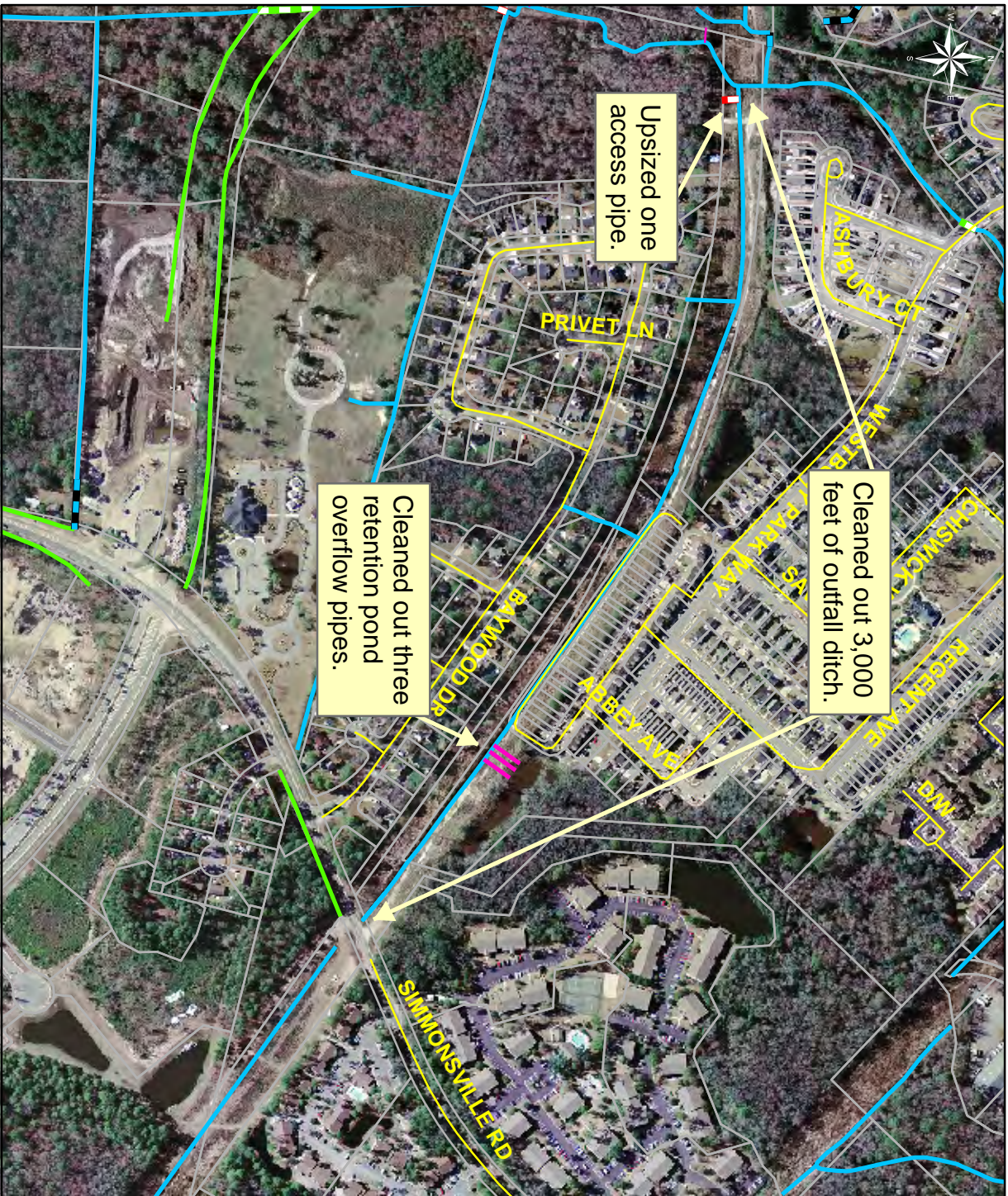


During



After





1 inch = 500 feet

Project:
Westbury Park

Activity:
Ditch Maintenance

Project#: 2007-46

Township:
Bluffton

Completed:
September 2006

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

Printing Date: 12/6/06



Stormwater Utility

Project Report

Irongate Subdivision

Project Number: 2003-50

Start Month/Year: March 2005

Completion Month/Year: October 2006

Project Cost: \$73,173

Tax District: 100 - Port Royal Island

Council District: 6

Drainage/Water Quality Issue: There was standing water in the roadside and outfall ditches because the contractor installed the driveway pipes incorrectly. The elevation of the driveway pipes varied.

Resolution: In a joint project with the developer, twenty-eight driveway pipes were lowered to correct elevation. The Utility cleaned out 9,910 feet of roadside and outfall ditch. This project also cleaned out 640 feet of existing driveway pipes and removed one catch basin. Lastly, the Utility installed stones and applied grass for stabilization.

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

Before

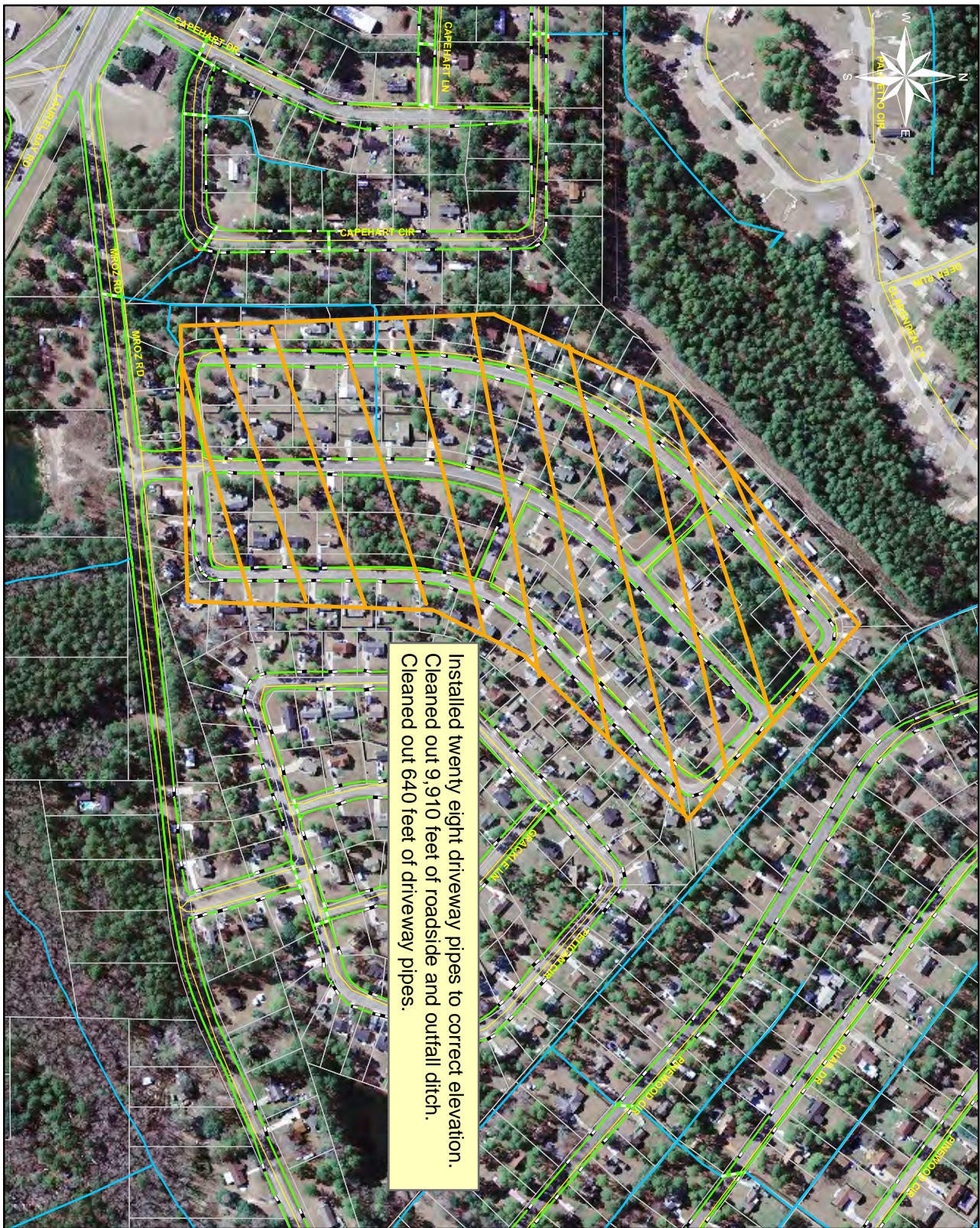


During

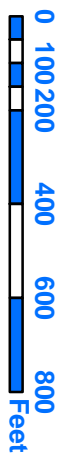


After





Installed twenty eight driveway pipes to correct elevation.
 Cleaned out 9,910 feet of roadside and outfall ditch.
 Cleaned out 640 feet of driveway pipes.



1 inch = 409 feet

	Project Area
	Rivers
	Streams
	Outfalls
	Laterals
	Lateral Pipes
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	DW
	Access
	Piped
	Bleeder
	Parcels

Project:
 Irongate
 Subdivision

Activity: Drainage
 Maintenance

Project#: 2003-50

Township:
 Port Royal Island

Completed:
 October 2006



Stormwater Utility

Project Report

Town of Hilton Head Island –
Cordillo Parkway/Coligny Park

Project Number: 2007-77

Start Month/Year: September 2006

Completion Month/Year: November 2006

Project Cost: \$41,574

Tax District: 510 - Town of Hilton Head Island

Council District: 3

Drainage/Water Quality Issue: There was a sinkhole on Cordillo Parkway, standing water in the outfall ditch and surrounding properties, and a washout of the roadside ditch.

Resolution: This project mowed and cleaned out 360 feet of outfall ditch, cleaned out 970 feet of roadside ditch, and repaired a washout of the roadside ditch. The Utility also upsized a single crossline pipe to a twin crossline pipe. Additionally, the Utility installed straw mat and stones and applied grass for stabilization. The pipes were provided by South Carolina Department of Transportation.

Area Benefited: This project relieved the standing water and provided drainage for portions of Cordillo Parkway and surrounding properties.

Before

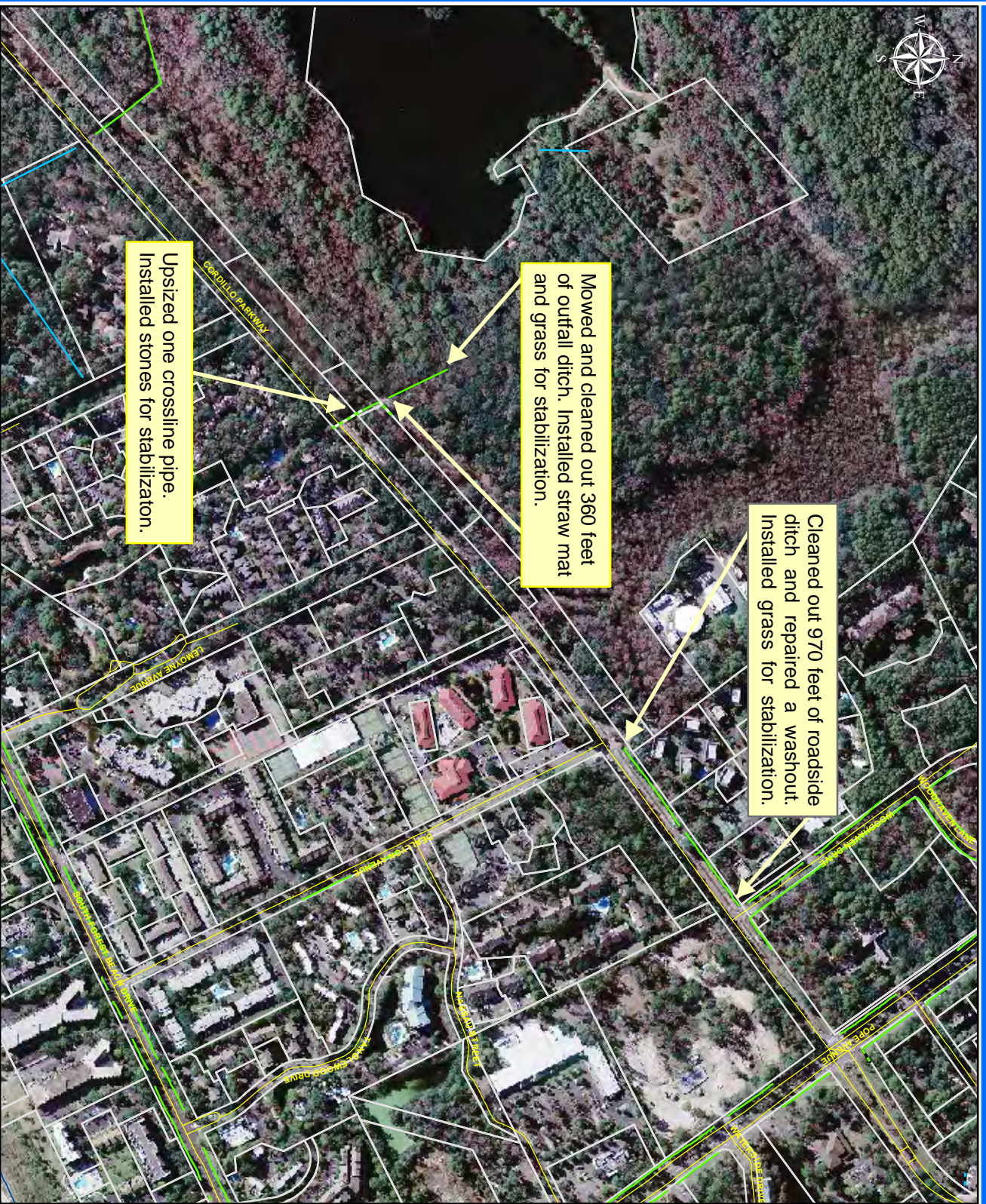


During



After





1 inch = 559 feet

Project:
 Town of Hilton Head
 Island - Cordillo
 Parkway and Coligny
 Park

Activity:
 Drainage Maintenance

Project#: 2007-77

Township:
 Town of Hilton
 Head Island

Completed:
 November 2006

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

Printing Date: 4/3/07



Stormwater Utility

Project Report

City of Beaufort - Depot Road

Project Number: 2006-07

Start Month/Year: December 2004

Completion Month/Year: February 2007

Project Cost: \$720,523

Tax District: 120 - City of Beaufort

Council District: 9

Drainage/Water Quality Issue: There was flooding on Waight Street, Rhett Street, Bray Street, Meritta Avenue and adjacent properties.

Resolution: This project mowed and cleaned out 2,250 feet of outfall ditch, constructed valley drain on Merritt Avenue and temporarily removed 100 feet of railroad tracks. The Utility installed one headwall, one plunge pool, one water quality structure, 310 feet of roadside pipe, 2,430 feet of outfall pipe, ten crossline pipes, thirty-seven catch basins, and one property drain pipe. The Utility also constructed two catch basins to accommodate existing utilities and replaced four catch basin tops. Additionally, the Utility lowered portions of sewer lines and realigned gas lines. Lastly, the Utility installed grass, stones, straw mat, and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Depot Road, Waight Street, Rhett Street, Meritta Avenue, and a portion of Bray Street.

Before



During



After



Project:
 City of Beaufort -
 Depot Road Map 1

Activity:
 Drainage
 Improvement

Project #:
 2006-07

Township:
 City of Beaufort

Completed:
 February 2007



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

0 105 210 420 630 840 Feet

1 inch = 279 feet

Date Print: 2/7/07

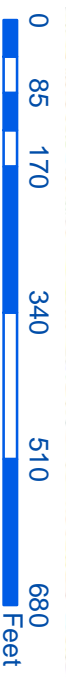
Project:
 City of Beaufort -
 Depot Road Map 2

Activity:
 Drainage
 Improvement

Project #:
 2006-07

Township:
 City of Beaufort

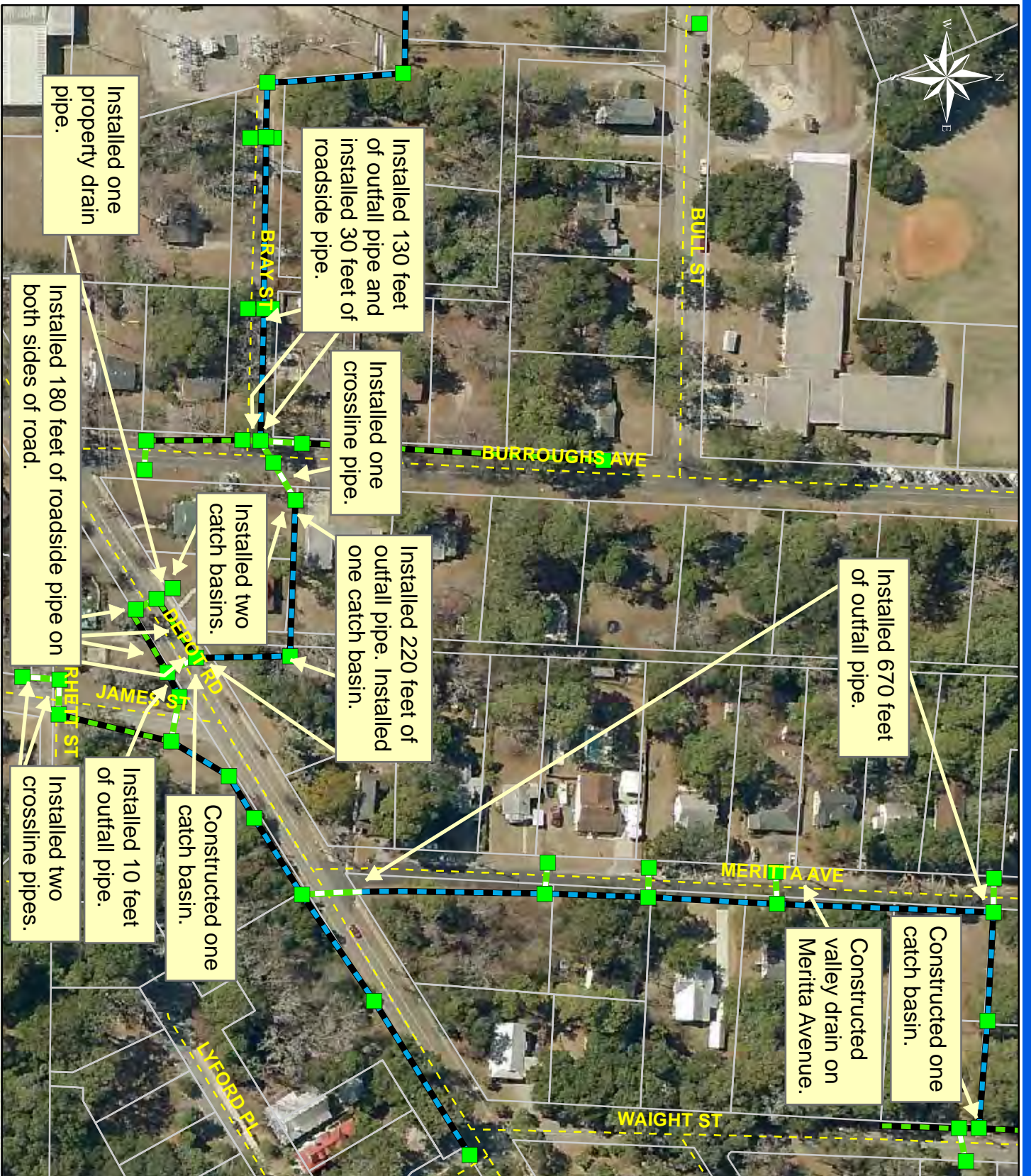
Completed:
 February 2007



1 inch = 223 feet

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

Date Print: 2/7/07



Project:
City of Beaufort -
Depot Road Map 3

Activity:
Drainage
Improvement

Project #:
2006-07

Township:
City of Beaufort

Completed:
February 2007

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

Date Print: 2/7/07



Stormwater Utility

Project Report

Chowan Creek Road

Project Number: 2007-41

Start Month/Year: October 2006

Completion Month/Year: March 2007

Project Cost: \$29,740

Tax District: 200 - Lady's Island

Council District: 7

Drainage/Water Quality Issue: The adjacent properties to the outfall ditch were flooding and there was standing water in the roadside ditch.

Resolution: This project cleared 1,170 feet of outfall ditch, and cleaned out and reconstructed 1,730 feet of outfall ditch. The Utility also installed four property drain pipes and three access pipes. Additionally, the Utility installed stones and sediment logs, and applied grass for stabilization.

Area Benefited: This project alleviated the flooding and standing water. This project also provided drainage for portions of Chowan Creek Road, Sea Island Parkway, and surrounding properties.

Before



During



After





Project:
Chowan Creek Road

Activity: Drainage Maintenance

Project#: 2007-41

Township:
Lady's Island

Completed:
March 2007

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

Printing Date: 4/25/07



Stormwater Utility

Project Report

Little Capers Road

Project Number: 2004-68

Start Month/Year: August 2006

Completion Month/Year: March 2007

Project Cost: \$44,428

Tax District: 300 - St. Helena Island

Council District: 7

Drainage/Water Quality Issue: The easement for this outfall ditch did not allow enough area to maintain the ditch.

Resolution: This project cleared and realigned 750 feet of outfall ditch and maintenance access to the property line and backfilled 430 feet of existing outfall ditch. The Utility also installed 490 feet of twin outfall pipe, installed stones and applied grass for stabilization.

Area Benefited: The project allowed this outfall to be routinely maintained. It also provided drainage for portions of Little Capers Road and Surf Drive.

Before



During



After





Project:
 Little Capers Road
 Outfall

Activity: Drainage
 Maintenance

Project#: 2004-68

Township:
 Lady's Island

Completed:
 March 2007

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

Printing Date: 4/25/7



Stormwater Utility

Project Report

Town of Bluffton - Habitat for Humanity

Project Number: 2004-46

Start Month/Year: March 2007

Completion Month/Year: March 2007

Project Cost: \$32,262

Tax District: 610 - Town of Bluffton

Council District: 4

Drainage/Water Quality Issue: The primary outfall ditch for this housing complex was deep and a safety hazard. Also, the access and easements for the drainage system within the complex were narrow thus preventing the ditches from being routinely cleaned out.

Resolution: The Utility cleaned out 400 feet of outfall ditch and hand cleaned 200 feet outfall ditch. This project also installed 880 feet of outfall pipes. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: The project allowed the drainage system to be routinely maintained and provided drainage for portions of Shultz Road and surrounding properties.

Before



During



After





Project:
Town of Bluffton -
Habitat for Humanity

Activity:
Drainage
Improvement

Project#: 2004-46

Township:
Town of Bluffton

Completed:
March 2007

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

0 250 500
Feet

1 inch = 343 feet

Printing Date: 4/25/07



Stormwater Utility

Project Report

Roseida Road/Powell Drive Outfall

Project Number: 2007-44

Start Month/Year: March 2006

Completion Month/Year: April 2007

Project Cost: \$112,965

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: There was standing water in Powell Drive roadside ditches. The intersection of Powell Drive and Burbage Lane was flooding. Also, two properties adjacent to Powell Drive were experiencing flooding of their yards.

Resolution: This project cleared 3,190 feet of outfall ditch, cleaned out and reconstructed 6,320 feet of maintenance access and outfall ditch, cleaned out 100 feet of roadside ditch, and cleaned out 1,020 feet of outfall ditch, and reconstructed the maintenance access. The Utility also installed 360 feet of roadside pipe, 120 feet of outfall pipe, five access pipes, and seven property drain pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project improved the drainage of nearly 250 acres in the Burton community.

Before

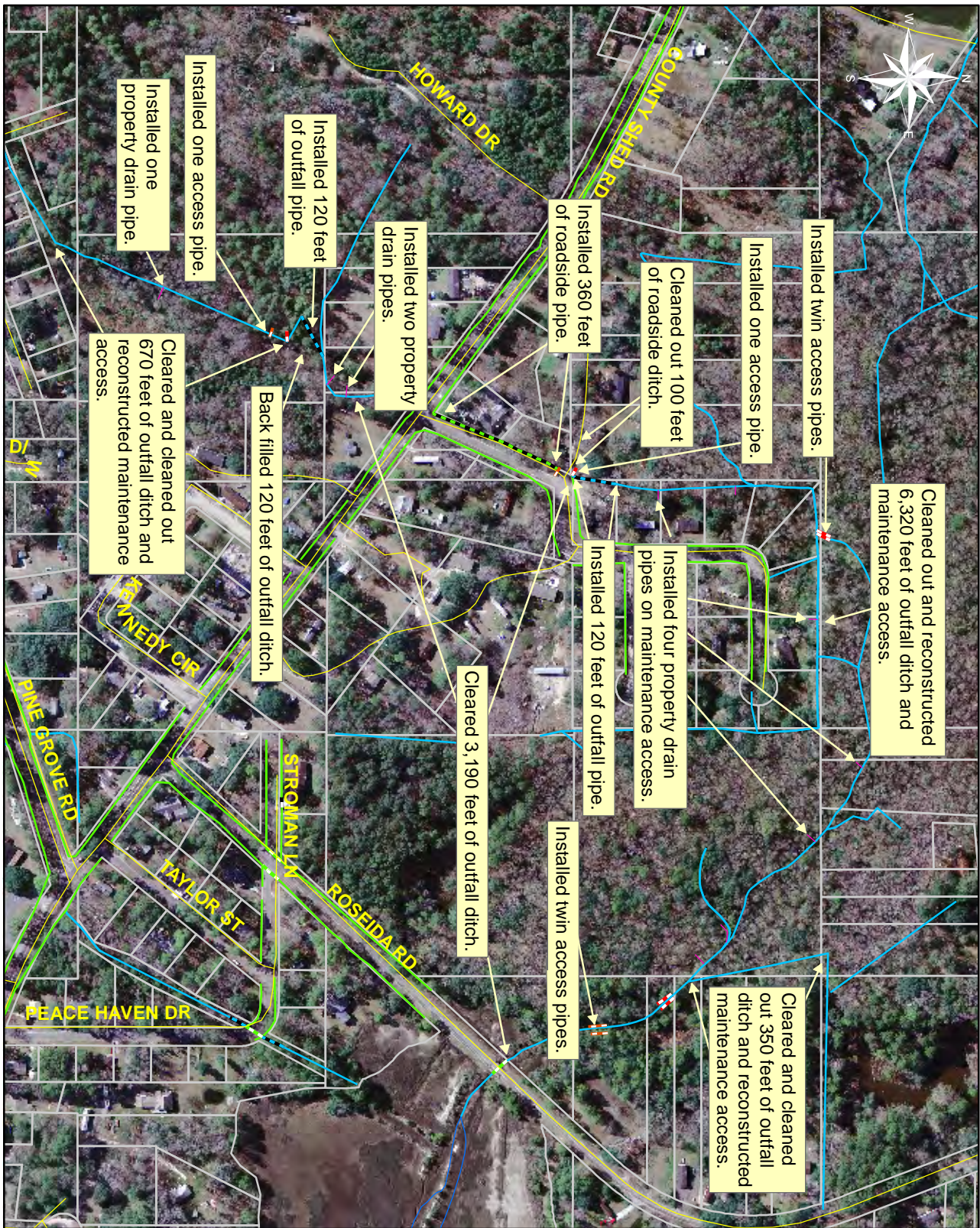


During



After





Project:
 Roseida Road and
 Powell Drive

Activity: Drainage
 Maintenance

Project#: 2007-44

Township:
 Port Royal Island

Completed:
 April 2007

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

0 100 200 400 600 800 Feet

1 inch = 391 feet

Printing Date: 4/25/07



Fiscal Year 2008



Stormwater Utility

Project Report

Big Estate Phase I - Horse Tail/Dash Road

Project Number: 2007-90

Start Month/Year: May 2007

Completion Month/Year: July 2007

Project Cost: \$36,959

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: The outfall ditch was overflowing and there was flooding of surrounding properties.

Resolution: This project cleared 2,580 feet of outfall ditch and reconstructed 3,820 feet of outfall ditch and maintenance access. The Utility also installed five access pipes and six property drain pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for a portion of Dash Road, Horse Tail Road, and surrounding properties.

Before



During

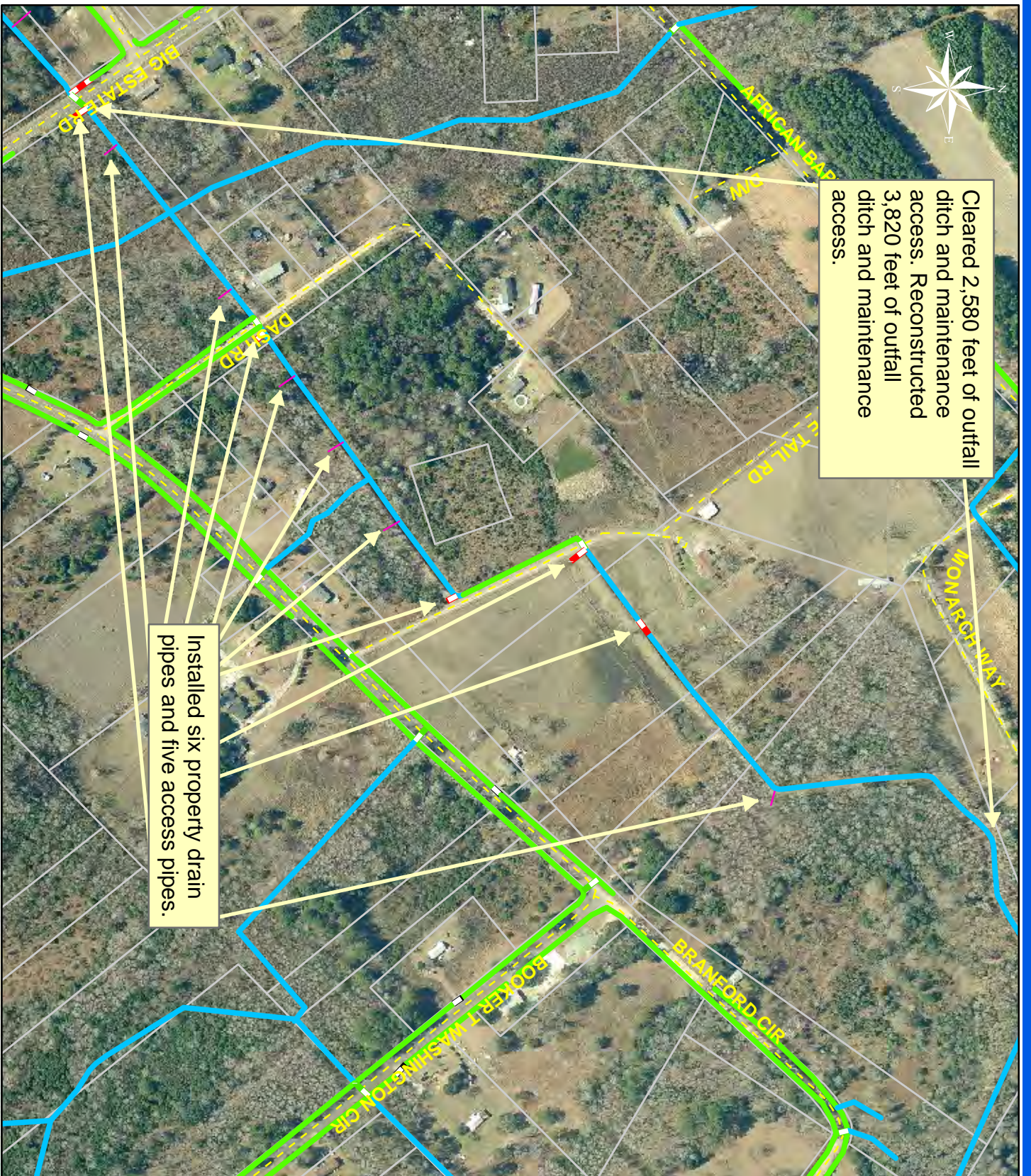


After



Cleared 2,580 feet of outfall ditch and maintenance access. Reconstructed 3,820 feet of outfall ditch and maintenance access.

Installed six property drain pipes and five access pipes.



Project:
Big Estate Phase I
Horsetail/Dash Road

Activity: Drainage
Maintenance

Project #:
2007-90

Township:
Sheldon

Completed:
July 2007

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 Lawton Drive Outfall

Project Number: 2007-120

Start Month/Year: June 2007

Completion Month/Year: August 2007

Project Cost: \$27,181

Tax District: 600 – Bluffton

Council District: 4

Drainage/Water Quality Issue: This is a low-lying area with a small drainage system that drains several roads. Also during higher tides the water from the creek fills the ditch causing erosion of the ditch bank and the ditch to become clogged with debris, causing standing water in the surrounding roadside ditches.

Resolution: The project cleaned out 1,880 feet of roadside ditch and 70 feet of the outfall flowline. The Utility also reinstalled five driveway pipes to the correct elevation to allow drainage. The Utility cleaned out four crossline pipes, nine driveway pipes, 480 feet of outfall pipe, and ten catch basins. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated problem standing water areas along a portion of Thomas Lawton Drive, Allendale Street, Luray Street, Flounder Street, Mullet Street, and Croaker Street. It also helped drained Garnett Street, Brunson Street, Fairfax Street, and a portion of Ulmer Road.

Before



During



After





1 inch = 194 feet

Project:
Thomas Lawton
Drive

Activity: Drainage
Maintenance

Project#: 2007-120

Township:
Bluffton

Completed:
August 2007

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

Printing Date: 07/31/07



Stormwater Utility

Project Report

Daufuskie Island

Project Number: 2006-12

Start Month/Year: October 2006

Completion Month/Year: September 2007

Project Cost: \$282,184

Tax District: 800 – Daufuskie Island

Council District: 4

Drainage/Water Quality Issue: There was erosion of the front beach. There was also flooding in the Driftwood Cottage Subdivision, on the Oakridge tract, and a portion of Beach Road, Prospect Road, Oakridge Lane and surrounding properties.

Resolution: This project cleared and constructed 3,280 feet of outfall ditch and maintenance access, cleared 2,310 feet of outfall ditch and reconstructed 2,000 feet of outfall ditch and maintenance access and backfilled 2,160 feet of outfall ditch. The Utility also installed 60 feet of outfall pipe, 1,020 feet of roadside pipe, one access pipe, two catch basins, one flap gate, one winged headwall, and upsized two crossline pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the flooding and provided drainage for Driftwood Cottage Lane, Bloody Point Drive, Papp's Landing Road, Prospect Road, Beach Drive, Oakridge Lane, and surrounding properties.

Before



During



After





1 inch = 1,504 feet

Project:
Dautuskie Island

Activity:
Drainage Improvement

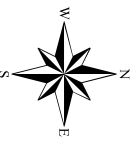
Project#: 2006-12

Township:
Dautuskie Island

Completed:
September 2007

Legend

Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Pipe
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels



Print Date: 2/1/08



Stormwater Utility

Project Report

Town of Hilton Head Island – Marblehead Road

Project Number: 2008-18

Start Month/Year: June 2007

Completion Month/Year: September 2007

Project Cost: \$39,340

Tax District: 510 – Town of Hilton Head Island

Council District: 3

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

Resolution: This project cleared and reconstructed 1,090 feet of outfall ditch and maintenance access and cleaned out 2,820 feet of roadside ditch. The Utility also installed an access pipe and cleaned out nine driveway pipes. The Utility installed straw mat and grass and applied grass for stabilization.

Area Benefited: This project alleviated the standing water and provided drainage for Marblehead Road, Indian Trail and a portion of Island Drive and surrounding properties.

Before



During



After



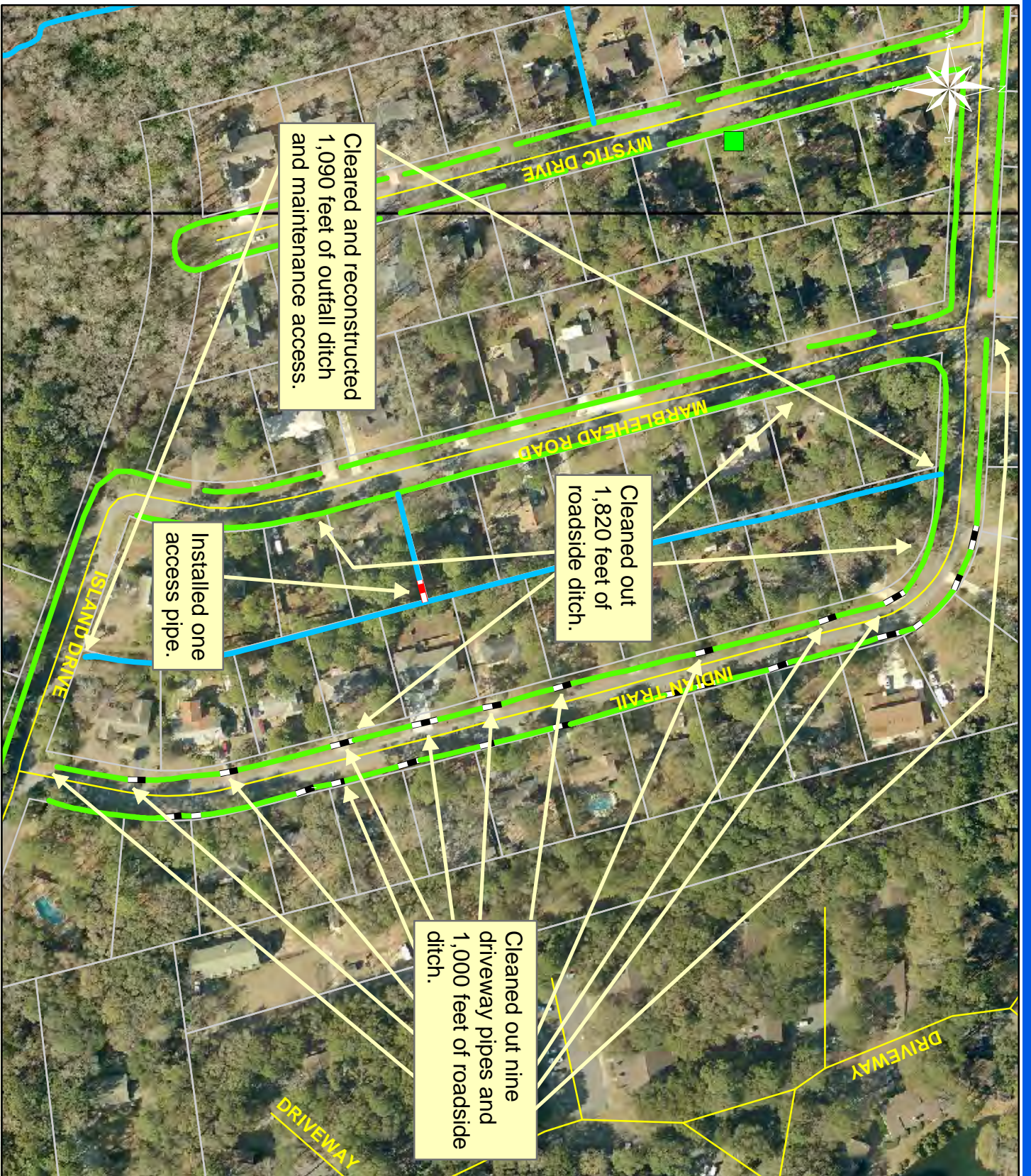
Project:
Town of Hilton
Head Island -
Marblehead Road

Activity:
Drainage Maintenance

Project #:
2008-018

Township:
Town of Hilton Head
Island

Completed:
September 2007



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



Stormwater Utility

Project Report

Bluffton Center

Project Number: 2007-141

Start Month/Year: March 2006

Completion Month/Year: October 2007

Project Cost: \$32,893

Tax District: 600 – Bluffton

Council District: 4

Drainage/Water Quality Issue: There was standing water on the perimeter of a soccer field in the Bluffton Recreational Center.

Resolution: This project cleared 420 feet of outfall ditch, constructed 270 feet of outfall ditch, cleaned out 340 feet of outfall ditch, and cleaned out 270 feet of roadside ditch. The Utility also installed 290 feet of outfall pipe, an additional 40 feet of outfall pipe to prevent washout around a power pole, and extended one crossline pipe to widen access. The Utility installed stones and straw mat, and applied grass for stabilization.

Area Benefited: This project alleviated the standing water.

Before



During



After



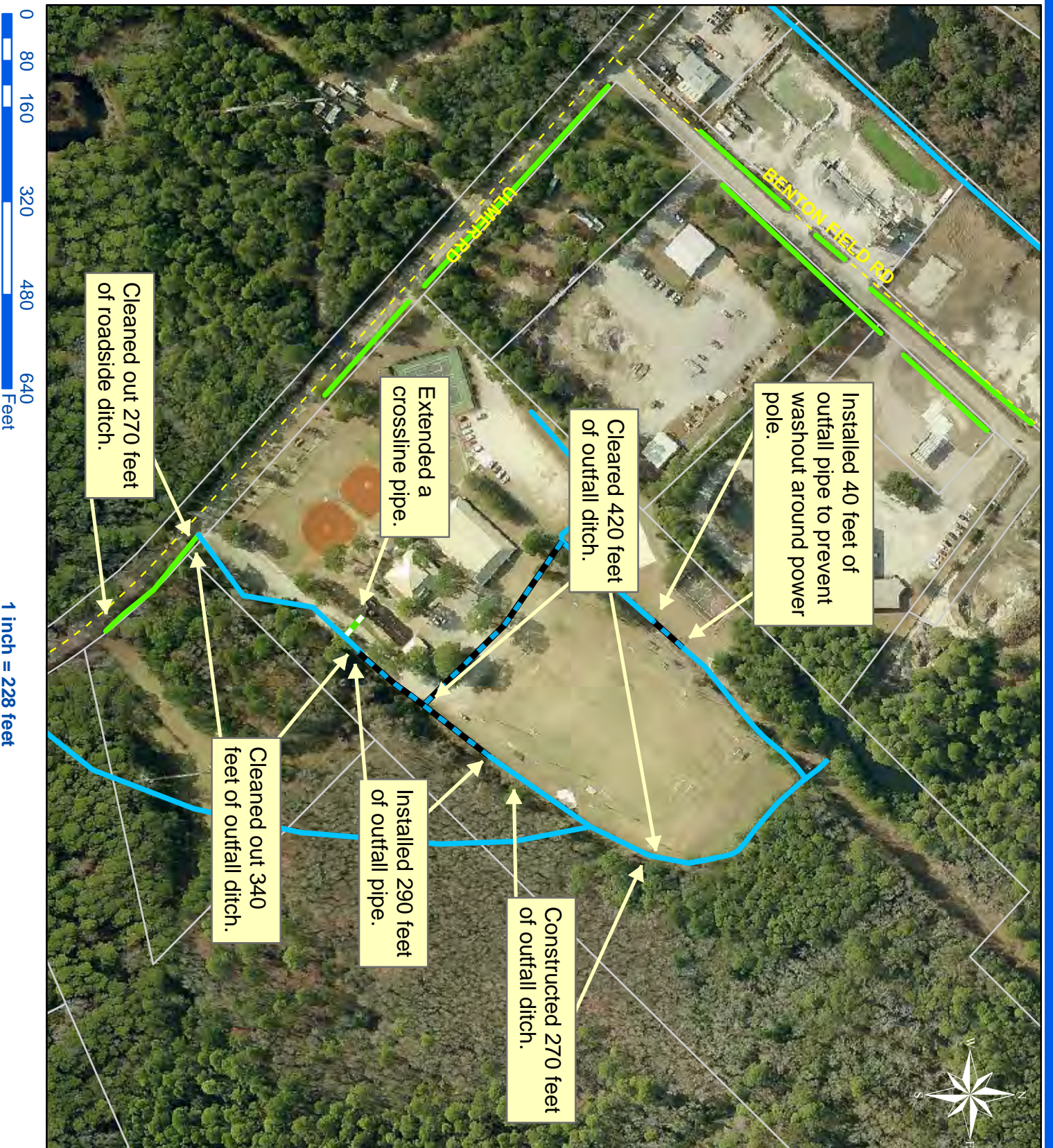
Project:
Bluffton Center

Activity:
Drainage
Improvement

Project #:
2007-141

Township:
Bluffton

Completed:
October 2007



1 inch = 228 feet

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

Date Print: 11/29/07



Stormwater Utility

Project Report

Joe Allen Drive

Project Number: 2007-20

Start Month/Year: September 2007

Completion Month/Year: October 2007

Project Cost: \$36,794

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: There was flooding of a portion of the road and the adjacent property near the outfall outlet located near the cul-de-sac.

Resolution: This project cleared 590 feet of outfall ditch and cleaned out 460 feet of roadside ditch. The Utility also installed 390 feet of outfall pipe, one driveway pipe, one crossline pipe, one catch basin. The Utility installed grass, stones, straw bales, and a sediment log and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for a portion of Joe Allen Drive and surrounding properties.

Before

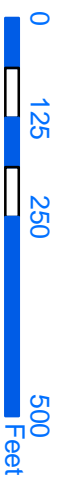


During



After





1 inch = 241 feet

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

Project:
Joe Allen Drive

Activity: Drainage Maintenance

Project#: 2007-20

Township:
Port Royal Island

Completed:
October 2007



Stormwater Utility

Project Report

River's End Subdivision

Project Number: 2006-13

Start Month/Year: March 2007

Completion Month/Year: October 2007

Project Cost: \$250,037

Tax District: 600 – Bluffton

Council District: 4

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

Resolution: The project cleaned out 3,200 feet of roadside ditches, upsized fifty-six driveway pipes, upsized two crossline pipes and installed an access pipe. The Utility also installed 1,400 feet of roadside pipe that was requested and reimbursed by various homeowners who did not want an open ditch in their front yard. The Utility installed a total of 3,950 feet of pipes. The Utility installed grass and stones for stabilization.

Area Benefited: This project alleviated flooding within the subdivision.

Before



During



After



Upsized seven driveway pipes. Installed 980 feet of driveway pipes and roadside pipes. Cleaned out 1,170 feet of roadside ditch on Rivers End Drive.

Installed stones and grass and applied grass for stabilization.

Upsized three driveway pipes. Installed 150 feet of driveway pipes and roadside pipes. Cleaned out 200 feet of roadside ditch on Archers Creek Court.

Upsized nine driveway pipes and installed one access pipe. Installed 420 feet of driveway pipes and roadside pipes. Cleaned out 920 feet of roadside ditch on Parrot Creek Drive.

Constructed four flumes at each intersection on Rivers End Drive. (18 total flumes).

Upsized two crossline pipes.

Upsized thirteen driveway pipes. Installed 1,050 feet of driveway pipes and roadside pipes. Cleaned out 110 feet of roadside ditch on Capers Creek Drive.

Upsized thirteen driveways pipes Installed 950 feet of driveway pipes and roadside pipes. Cleaned out 370 feet of roadside ditch on Otter Creek Drive.

Upsized eleven driveway pipes. Installed 310 feet of driveway pipes and roadside pipes. Cleaned out 430 feet of roadside ditch on Editsto Court.



1 inch = 224 feet

Project:
Rivers End

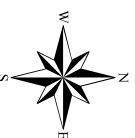
Activity:
Drainage Improvement

Project#: 2006-13

Township:
Bluffton

Completed:
October 2007

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





Stormwater Utility

Project Report

Big Estate Phase II - Big Estate Circle

Project Number: 2007-149

Start Month/Year: August 2007

Completion Month/Year: November 2007

Project Cost: \$45,903

Tax District: 700 – Sheldon

Council District: 6

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

Resolution: This project cleared 3,220 feet of outfall ditch and reconstructed 3,220 feet of outfall ditch and maintenance access. The Utility also installed ten property drain pipes and four access pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for a portion of Big Estate Circle, Big Estate Road, Dash Road and Booker T. Washington Circle.

Before

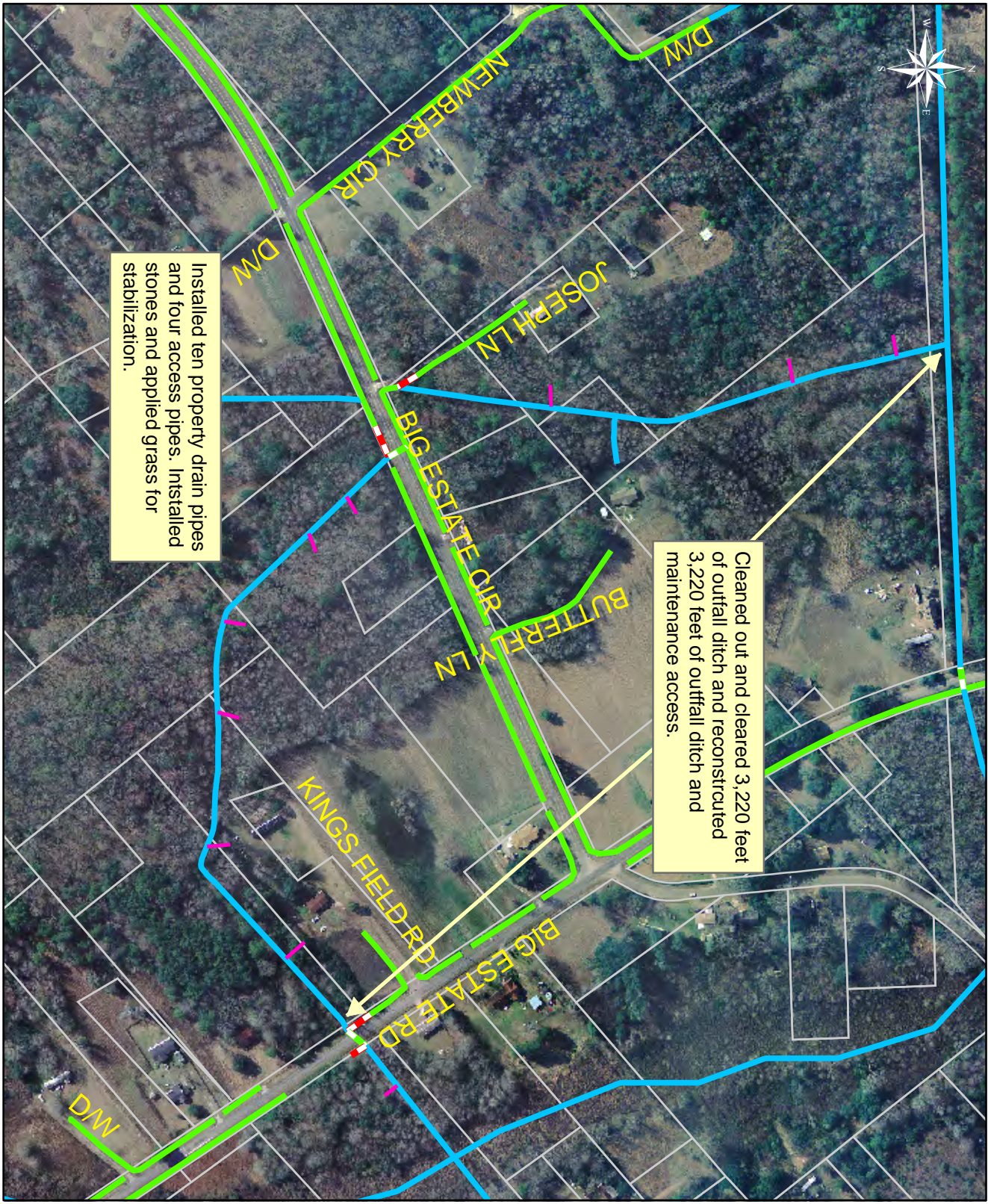


During



After





Installed ten property drain pipes and four access pipes. Installed stones and applied grass for stabilization.

Cleaned out and cleared 3,220 feet of outfall ditch and reconstructed 3,220 feet of outfall ditch and maintenance access.

Project:
Big Estate Circle
Phase II

Activity: Drainage
Improvement

Project#: 2007-149

Township:
Sheldon

Completed:
November 2007

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels



1 inch = 342 feet

Print Date: 12/19/07



Stormwater Utility

Project Report

City of Beaufort - Stone Marten

Project Number: 2007-92

Start Month/Year: July 2007

Completion Month/Year: November 2007

Project Cost: \$59,469

Tax District: 120 – City of Beaufort

Council District: 9

Drainage/Water Quality Issue: There were washouts and sinkholes in the Stone Marten Subdivision because of the deteriorating underground drainage system.

Resolution: This project installed 440 feet of outfall pipe, two headwalls, six catch basins, and upsized three crossline pipes and a driveway pipe. The Utility also installed grass for stabilization.

Area Benefited: This project upgraded a portion of the drainage system within the subdivision and provided drainage for Stone Marten Circle, a portion of Stone Marten Drive and surrounding properties.

Before



During

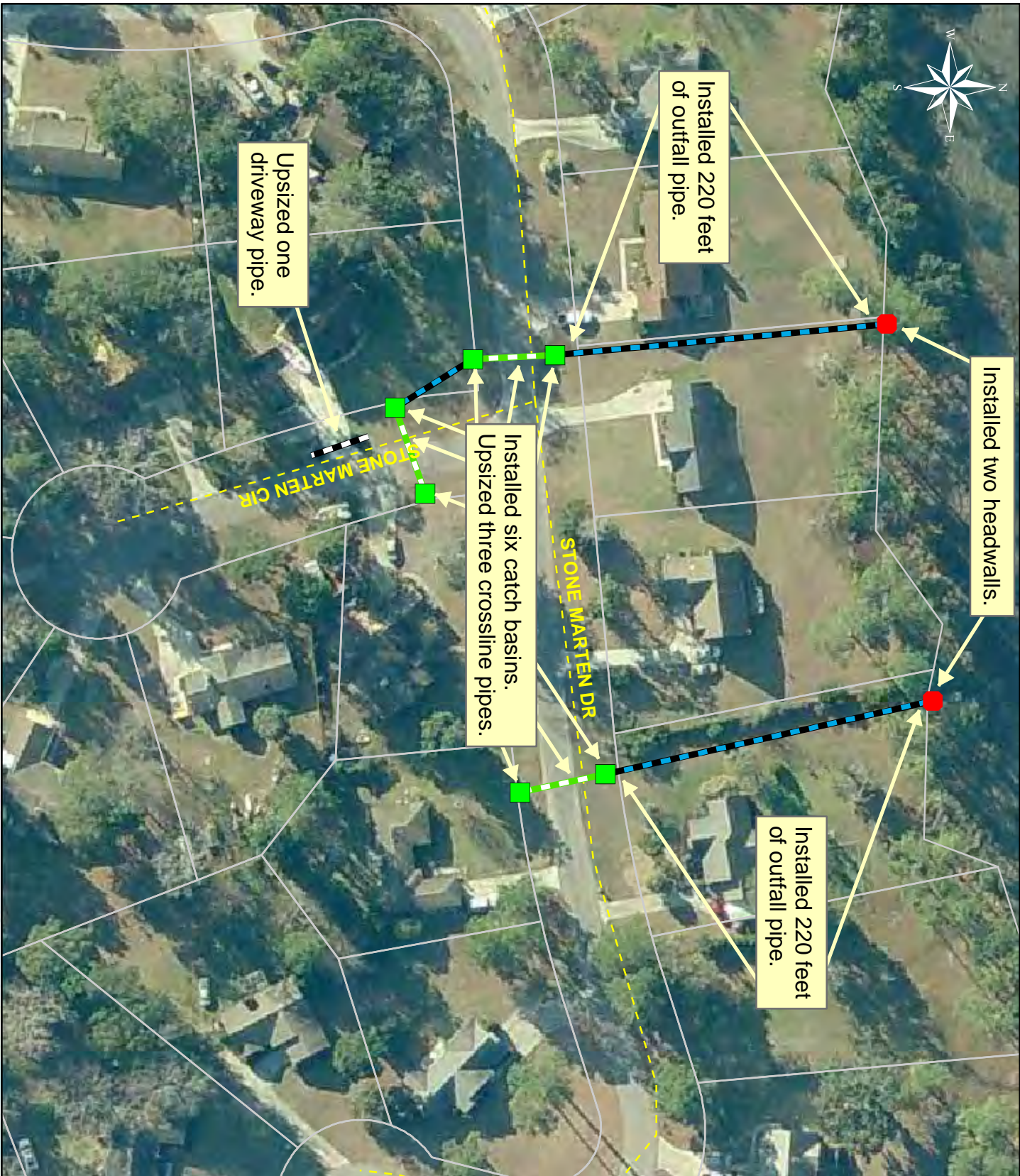


After





1 inch = 79 feet



Project:
Stone Marten
Reimbursement

Activity: Drainage
Maintenance

Project #:
2007-092

Township:
City of Beaufort

Completed:
November 2007

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

Halifax Drive Outfall

Project Number: 2007-137

Start Month/Year: September 2007

Completion Month/Year: November 2007

Project Cost: \$24,562

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: This project was a part of the master plan for the widening of Sea Island Parkway.

Resolution: This project cleared 400 feet of outfall ditch back slope, reconstructed 930 feet of outfall ditch and maintenance access, cleared and cleaned out 100 feet of outfall ditch and maintenance access, and cleaned out 1,100 feet of roadside ditch. The Utility also installed twin crossline pipes, and two access pipes. The Utility installed straw mat and stones and applied grass for stabilization.

Area Benefited: This project increased the capacity of the drainage system to allow for the increase in runoff from the expanded road. The project provided drainage for Halifax Drive, a portion of Ball Park Road and Sea Island Parkway.

Before

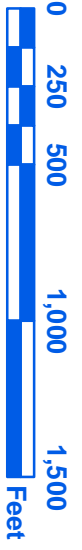
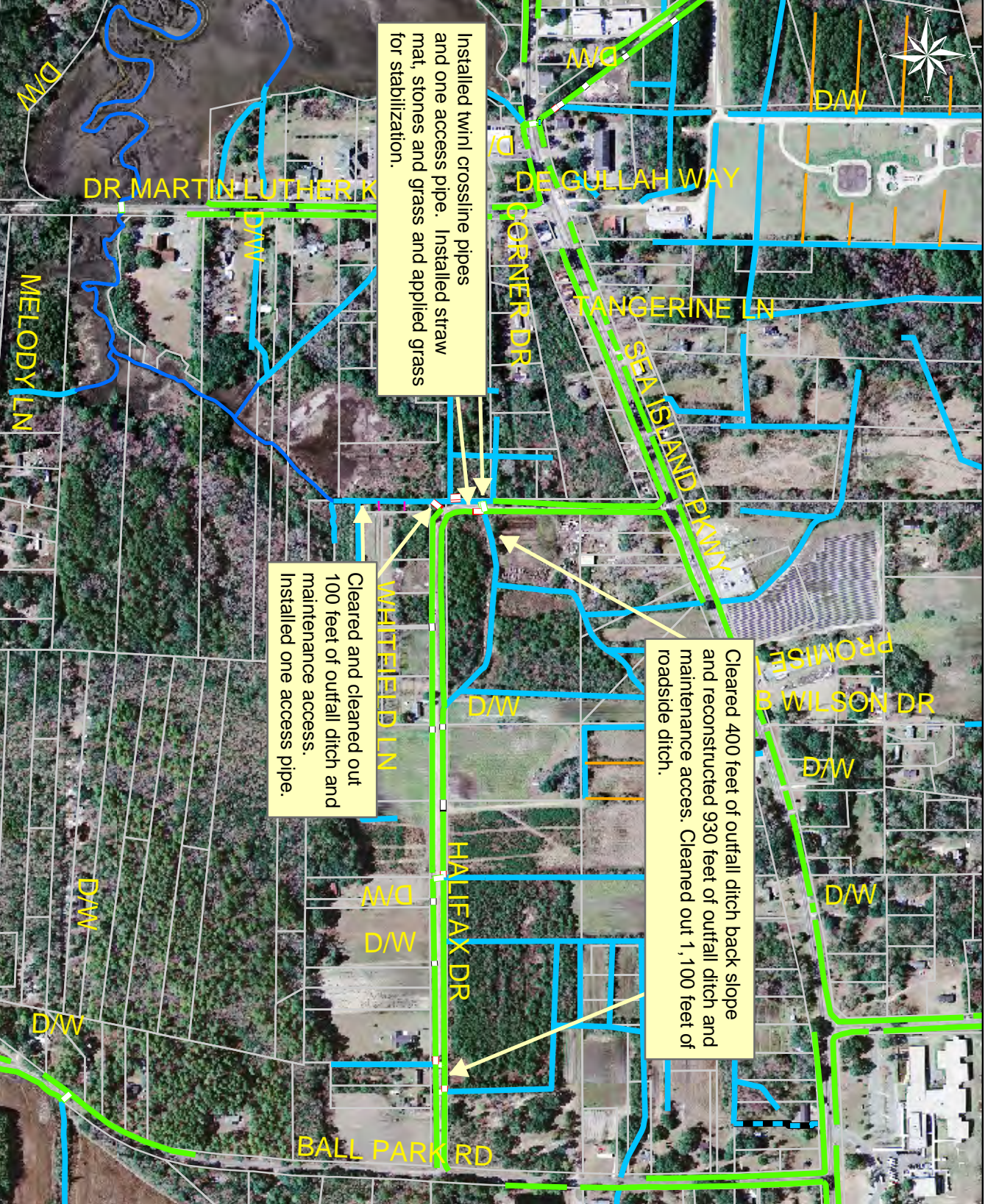


During



After





1 inch = 614 feet

Project:
Halifax Outfall

Activity: Drainage Improvement

Project#: 2007-137

Township:
St. Helena Island

Completed:
November 2007

Legend	
	Drainage Type
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels

Print Date: 12/19/07



Stormwater Utility

Project Report

Oakhurst Subdivision

Project Number: 2007-102

Start Month/Year: September 2007

Completion Month/Year: November 2007

Project Cost: \$39,370

Tax District: 100 - Port Royal Island

Council District: 6

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

Resolution: This project cleared and reconstructed 2,000 feet of outfall ditch and maintenance access. The Utility also upsized twin crossline pipes, installed four access pipes and four property drain pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated stagnant and standing water. This project provided drainage for a portion of Oakhurst Road, Spann Circle, and surrounding properties.

Before

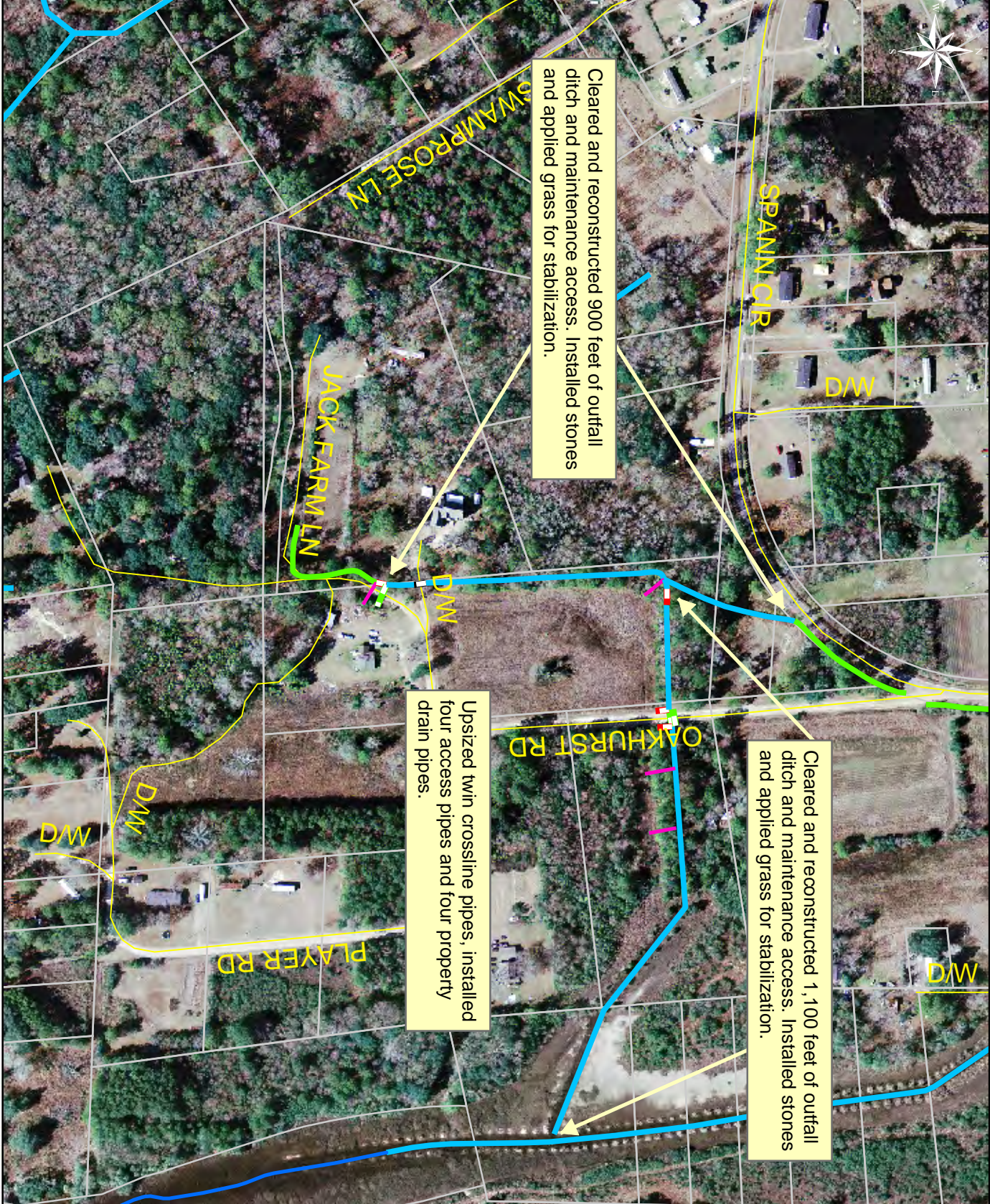


During



After





Cleared and reconstructed 900 feet of outfall ditch and maintenance access. Installed stones and applied grass for stabilization.

Cleared and reconstructed 1,100 feet of outfall ditch and maintenance access. Installed stones and applied grass for stabilization.

Upsized twin crossline pipes, installed four access pipes and four property drain pipes.

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels

Project:
Oakhurst
Subdivision

Activity: Drainage
Improvement

Project#: 2007-102

Township:
Sheldon

Completed:
November 2007



1 inch = 300 feet

Print Date: 12/20/07



Stormwater Utility

Project Report

Hewlett Road

Project Number: 2007-145

Start Month/Year: December 2007

Completion Month/Year: January 2008

Project Cost: \$36,729

Tax District: 100 - Port Royal Island

Council District: 7

Drainage/Water Quality Issue: The easement for this outfall ditch did not allow enough area to maintain the ditch. Also there was standing water in the roadside ditch.

Resolution: This project cleared and cleaned out 1,700 feet of maintenance access, reconstructed 1,260 feet of outfall ditch, and cleaned out 900 feet of roadside ditch. The Utility also installed 400 feet of outfall pipe and one access pipe. The Utility cleaned out thirteen driveway pipes, two crossline pipes and two catch basins. The Utility installed stones and applied grass for stabilization.

Area Benefited: The project allowed this outfall to be routinely maintained, alleviated standing water, and improved the drainage of surrounding properties. The project also provided drainage for Braeburn Lane, a portion of Hewlett Road and Shallowford Downs Road.

Before

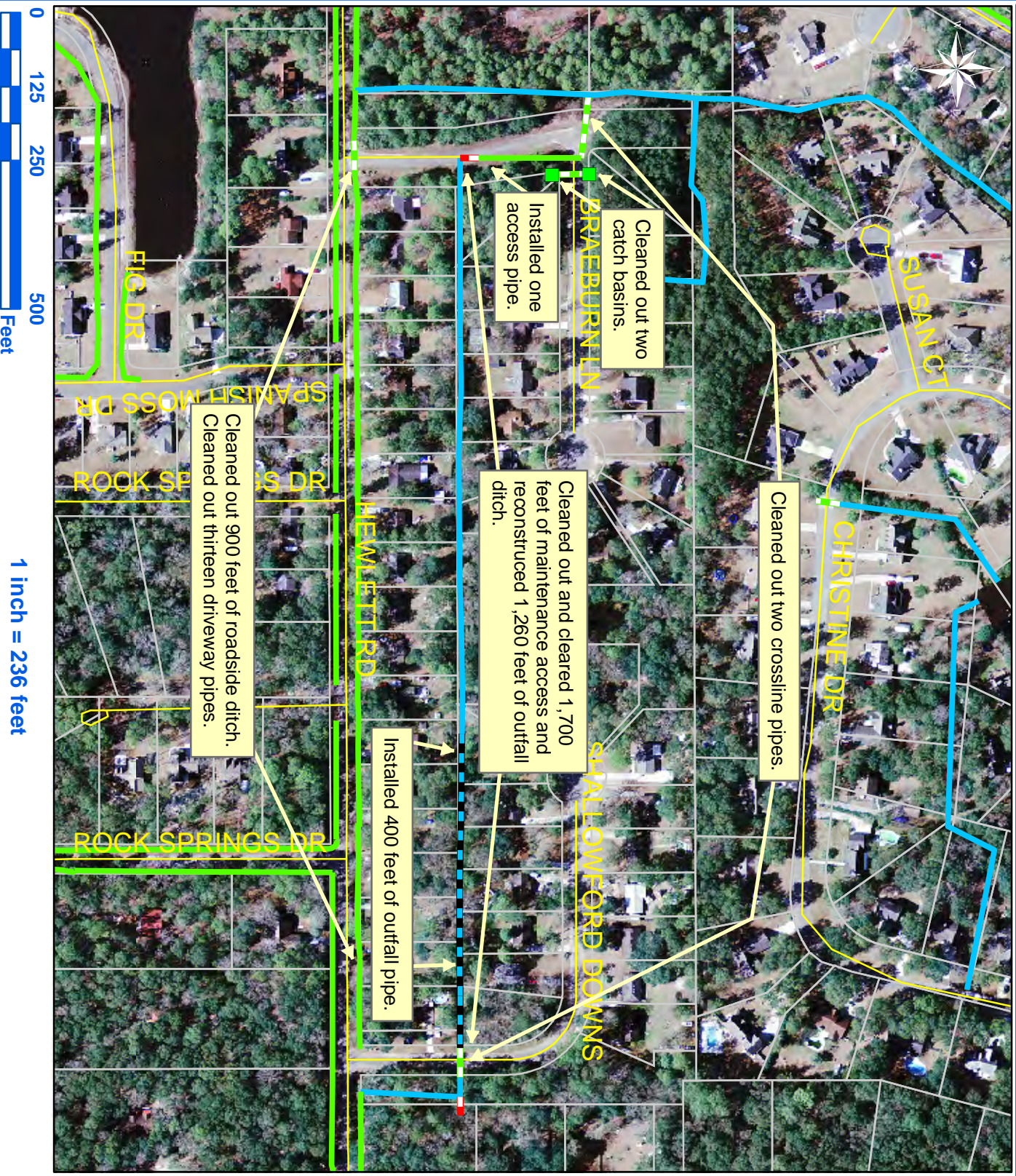


During



After





Project:
Hewlett Road

Activity: Drainage Improvement

Project#: 2007-145

Township:
Lady's Island

Completed:
January 2008

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels

Printed: 5/1/2008



Stormwater Utility

Project Report

Town of Bluffton - Bluffton Resource
Conservation and Development Ditch

Project Number: 2003-48

Start Month/Year: November 2007

Completion Month/Year: January 2008

Project Cost: \$93,089

Tax District: 610 – Town of Bluffton

Council District: 4

Drainage/Water Quality Issue: The pond constructed during the construction of Bluffton Parkway would not properly drain causing Evelyns Way to flood. The Oscar Frazier Ballpark located upstream of the drainage system was flooding. The modifications to the drainage system during the road construction had not been tied into the existing drainage system.

Resolution: This project cleared 2,650 feet of outfall ditch, mowed 2,160 feet of outfall ditch and 1,200 feet of roadside ditch, cleared 970 feet of maintenance access, and reconstructed 4,770 feet of outfall ditch and 830 feet of roadside ditch. The Utility also installed two access pipes and three property drain pipes. The Utility cleaned out twin crossline pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and drained a portion of Bluffton Road, Bluffton Parkway, Goethe Road, and Taylor Court.

Before

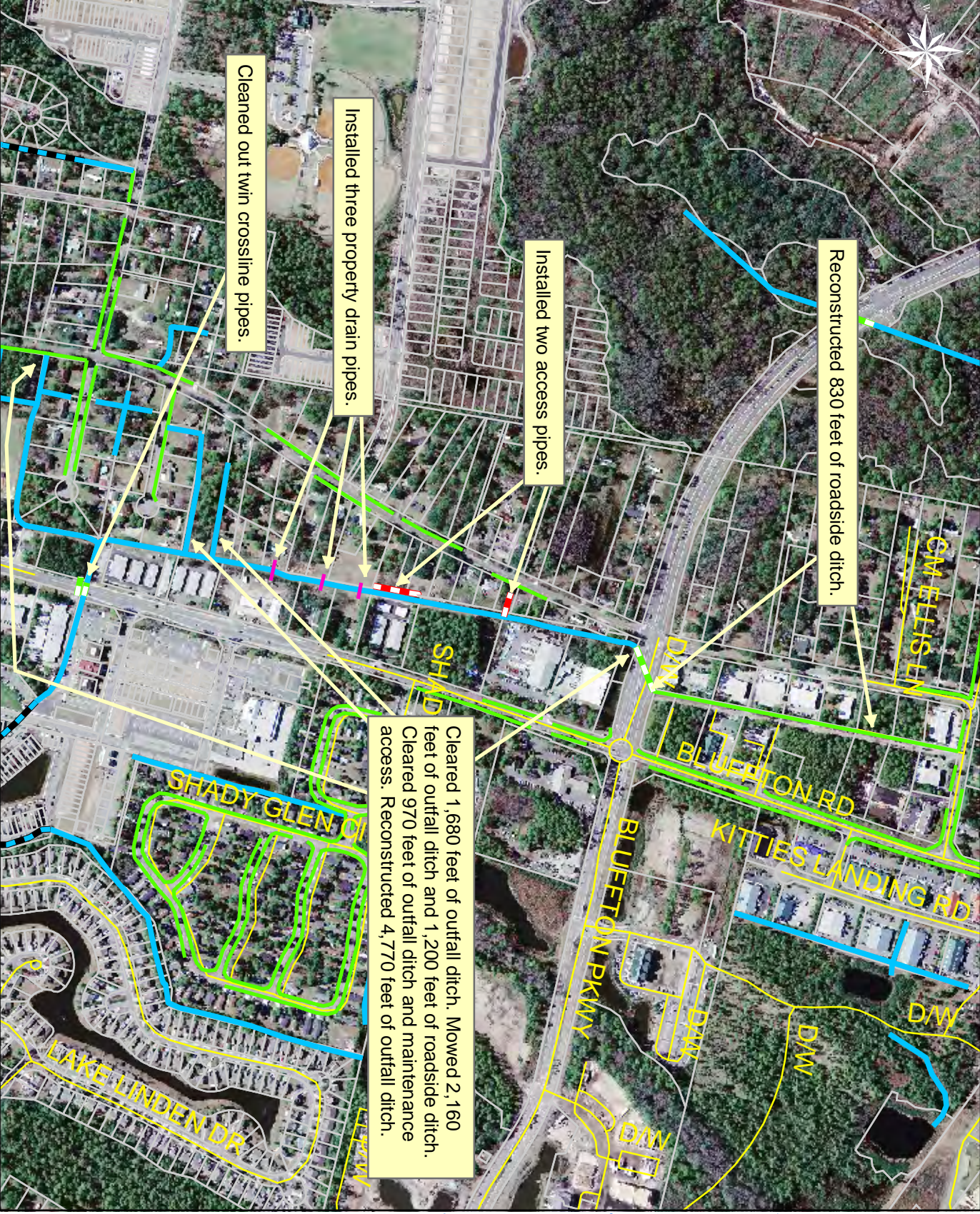


During



After





0 250 500 1,000 Feet

1 inch = 615 feet

Project:
Bluffton Resource Conservation and Development Ditch Cost Share

Activity:
Drainage Improvement

Project#: 2003-48

Township:
Bluffton/Town of Bluffton

Completed:
January 2008

Legend

- Drainage Type**
- Rivers
 - Streams
 - Outfall Ditch
 - Lateral
 - Roadside Ditch
 - Roadside Pipe
 - Road Crossing
 - Driveway Culverts
 - Access Pipe
 - Piped Ditch
 - Bleeder Ditch
 - Parcels

Print date: 3/1/2008



Stormwater Utility

Project Report

Peaches Hill Circle

Project Number: 2008-034

Start Month/Year: January 2008

Completion Month/Year: April 2008

Project Cost: \$58,740

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was flooding of roadside ditches and surrounding properties and the road would flood during heavy rain events. Also a portion of the outfall ditch was eroded.

Resolution: This project cleaned out 6,910 feet of outfall ditch and 1,620 feet of roadside ditch. The Utility also installed one catch basin, one access pipe, one property drain pipe, and 200 feet of roadside/outfall pipe. The Utility cleaned out four crossline pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for a portion of Peaches Hill Circle, No Man Land Road, Scott Hill Road and surrounding properties.

Before



During



After



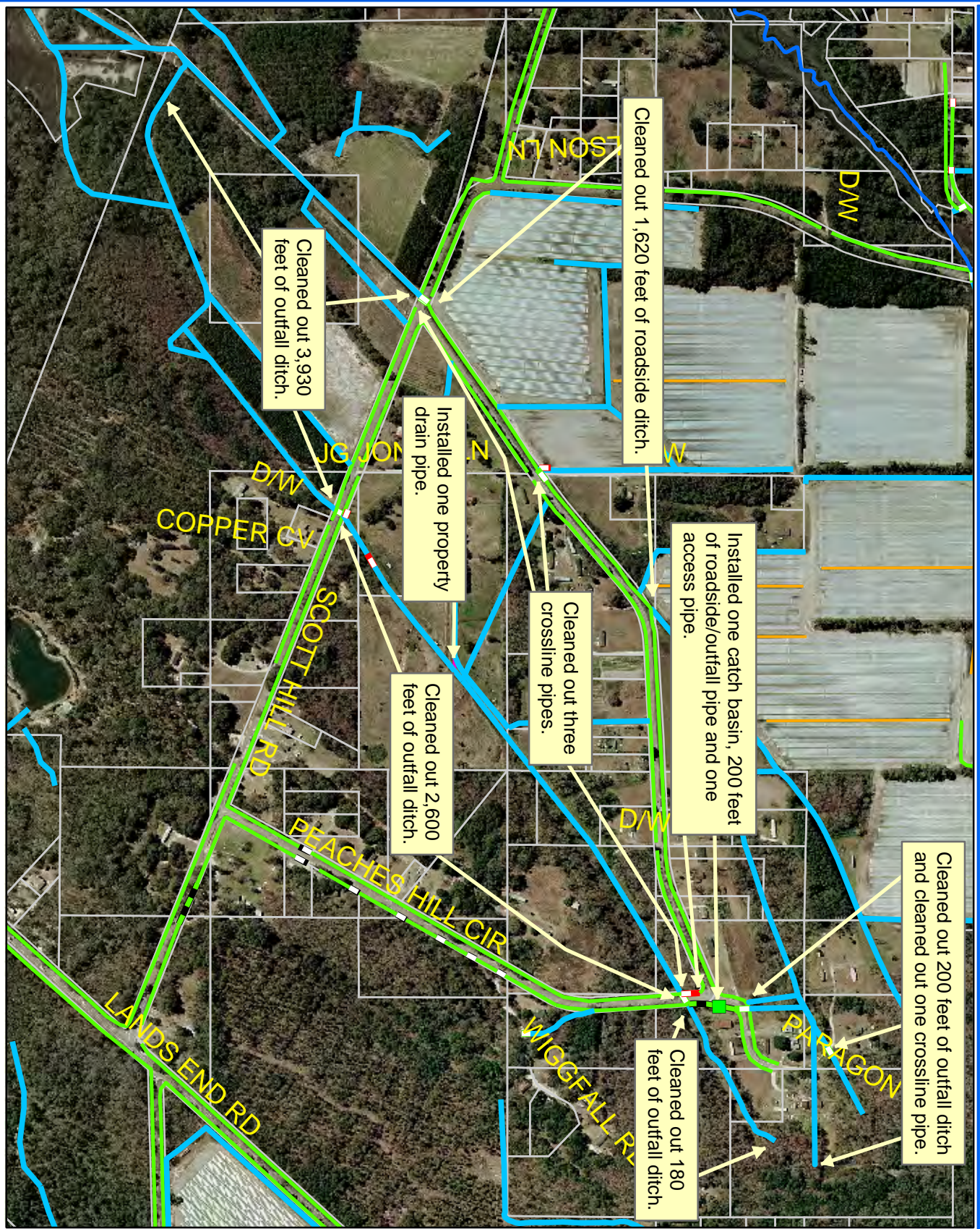
Project:
Peaches Hill Circle

Activity: Drainage Improvement

Project#: 2008-034

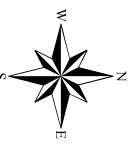
Township:
 St. Helena Island

Completed:
 April 2008



Legend

Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Pipe
	Parcels





Stormwater Utility

Project Report

Town of Hilton Head Island - Hunter Road

Project Number: 2007-158

Start Month/Year: January 2008

Completion Month/Year: April 2008

Project Cost: \$65,760

Tax District: 510 – Town of Hilton Head Island

Council District: 2

Drainage/Water Quality Issue: The retention pond off of Cardinal Court was flooding, and there was standing water in the outfall ditches and Hunter Road's roadside ditch.

Resolution: This project cleaned out 2,340 feet of roadside ditch and 1,180 feet of outfall ditch. The Utility also installed one single crossline pipe, twin crossline pipes and two access pipes. The Utility cleaned out 640 feet of driveway pipes and crossline pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the flooding and standing water. This project provided drainage for Hunter Road and Cardinal Court, and a portion of Cardinal Road and surrounding properties.

Before

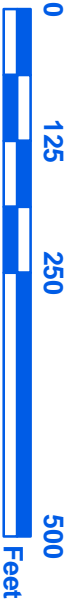
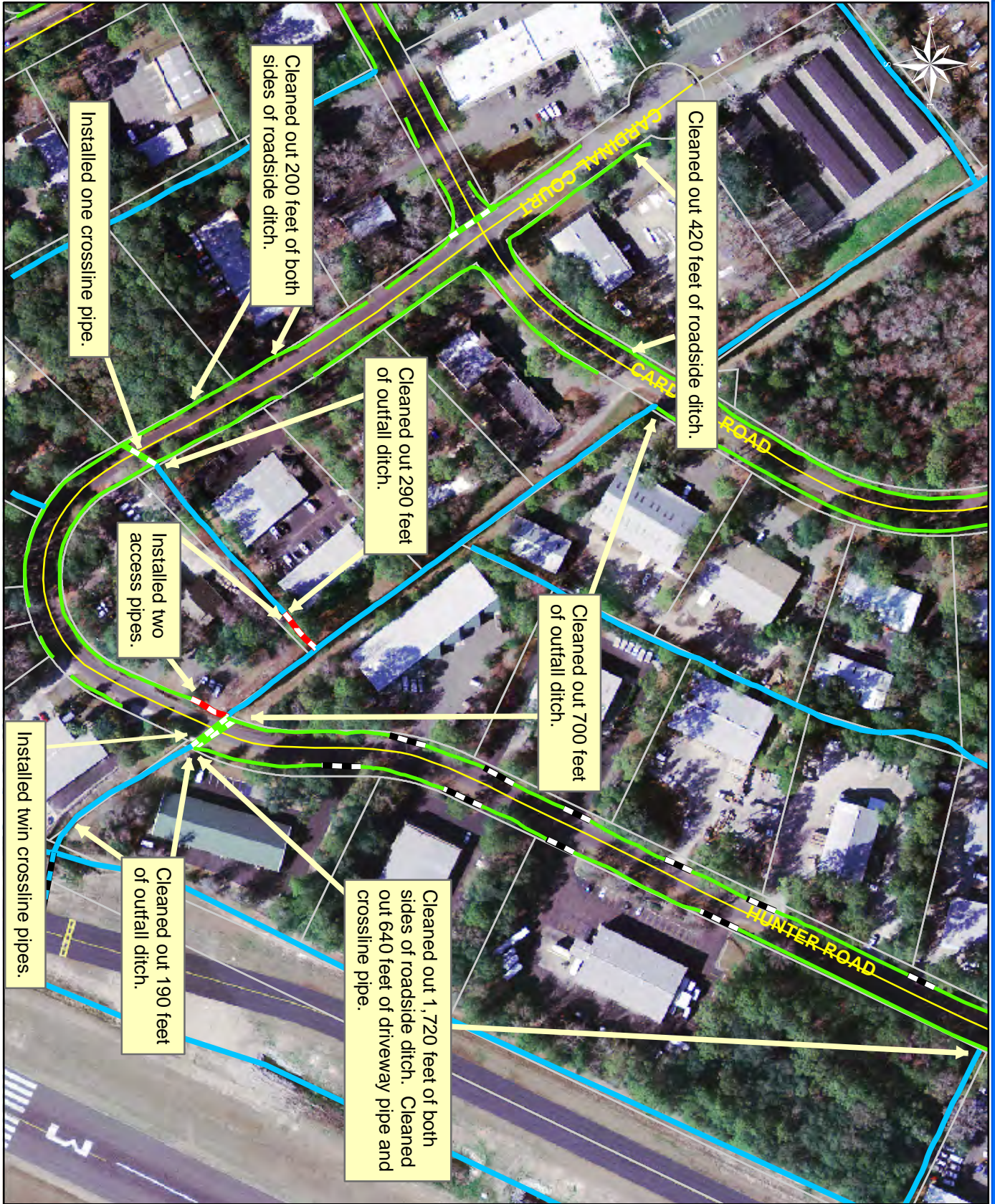


During



After





1 inch = 182 feet

Project:
Town of Hilton
Head Island -
Hunter Road

Activity:
Drainage
Improvement

Project#: 2007-158

Township:
Town of Hilton
Head Island

Completed:
April 2008

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

Print Date: 5/28/08



Stormwater Utility

Project Report

Brilliant Lane

Project Number: 2008-099

Start Month/Year: April 2008

Completion Month/Year: May 2008

Project Cost: \$22,168

Tax District: 100 - Port Royal Island

Council District: 8

Drainage/Water Quality Issue: There was flooding of the roadside ditch and on an adjacent property.

Resolution: This project cleaned out and cleared 650 feet of outfall ditch and maintenance access, reconstructed 850 feet of outfall ditch and maintenance access, and cleaned out 760 feet of roadside ditch. The Utility also installed one access pipe, one property drain pipe, and one driveway pipe. The Utility cleaned out eleven driveway pipes and three crossline pipes.

Area Benefited: This project alleviated flooding and provided drainage for Brilliant Lane, a portion of Burlington Circle, Laurel Street West, and surrounding properties.

Before

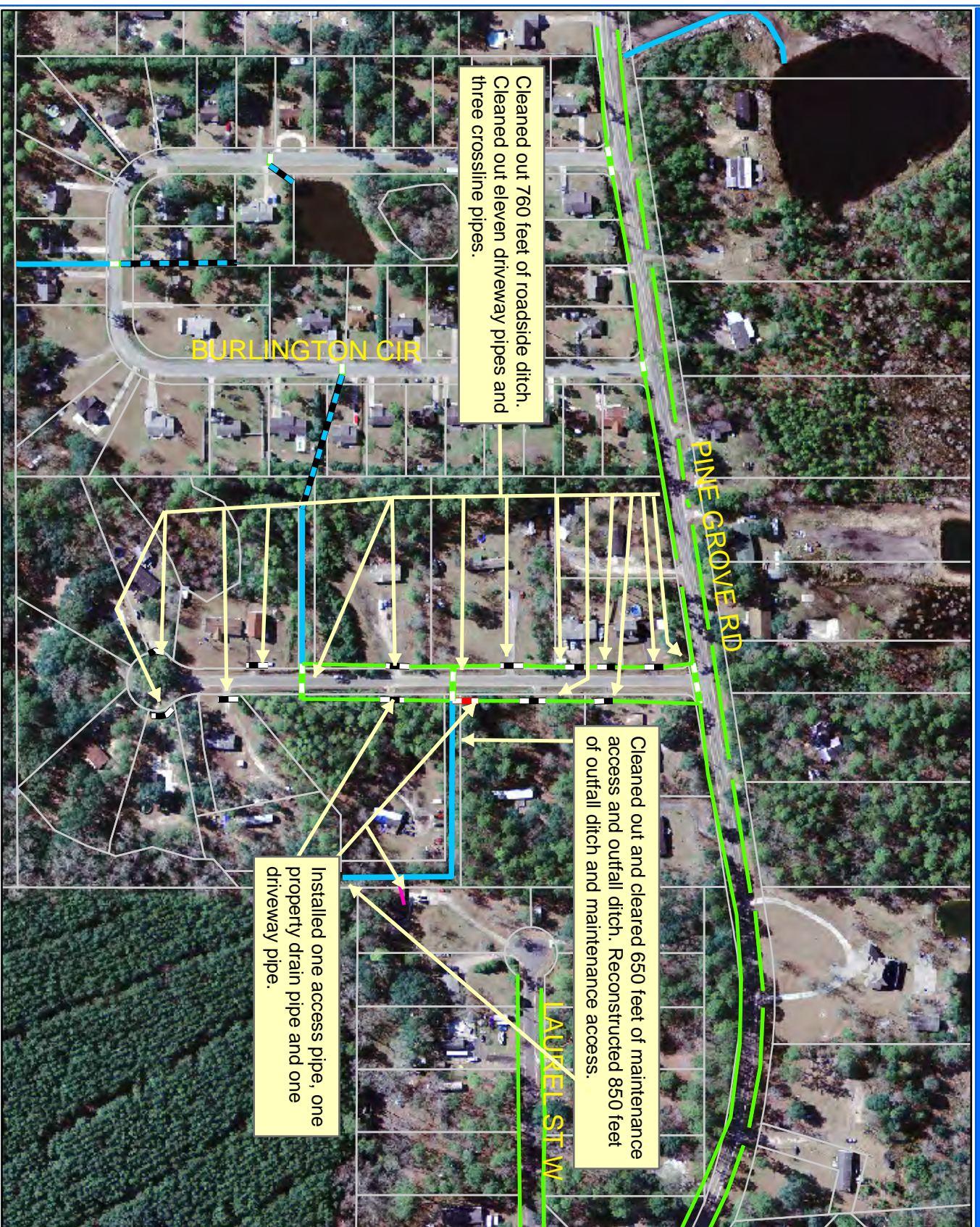


During



After





Project:
Brilliant Lane

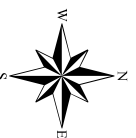
Activity: Drainage Improvement

Project#: 2008-099

Township:
Port Royal Island

Completed:
May 2008

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Pipe
	Parcels



Print Date: 10/27/08



Stormwater Utility

Project Report

Archie Sumpter Road

Project Number: 2004-21

Start Month/Year: April 2008

Completion Month/Year: June 2008

Project Cost: \$59,367

Tax District: 300 – Sheldon

Council District: 6

Drainage/Water Quality Issue: The outfall ditches had standing water.

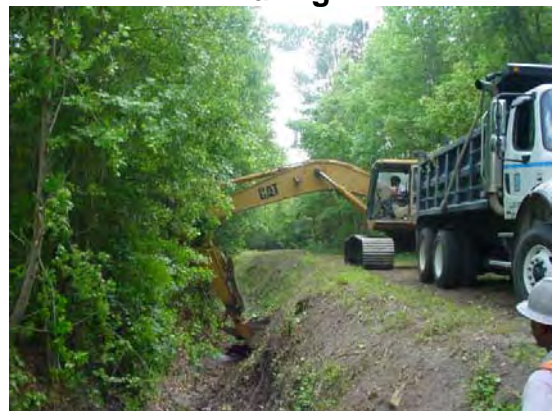
Resolution: This project mowed 1,540 feet of outfall ditch and maintenance access, cleared 730 feet of outfall ditch and maintenance access, cleaned out 5,180 feet of outfall ditch, reconstructed 1,730 feet of maintenance access, and cleaned out 310 feet of roadside ditch. The Utility also installed six property drain pipes and seven access pipes. The Utility cleaned out two crossline pipes. The Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the standing water and provided drainage for Archie Sumpter Road and a portion of Johnson Road, Horse Pen Road, Jessie Chisholm Road, and surrounding properties.

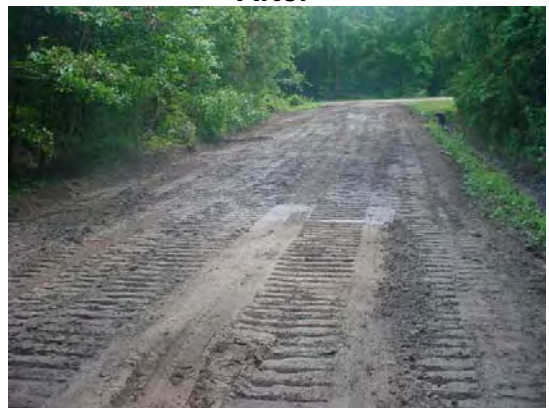
Before

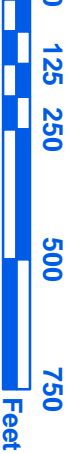
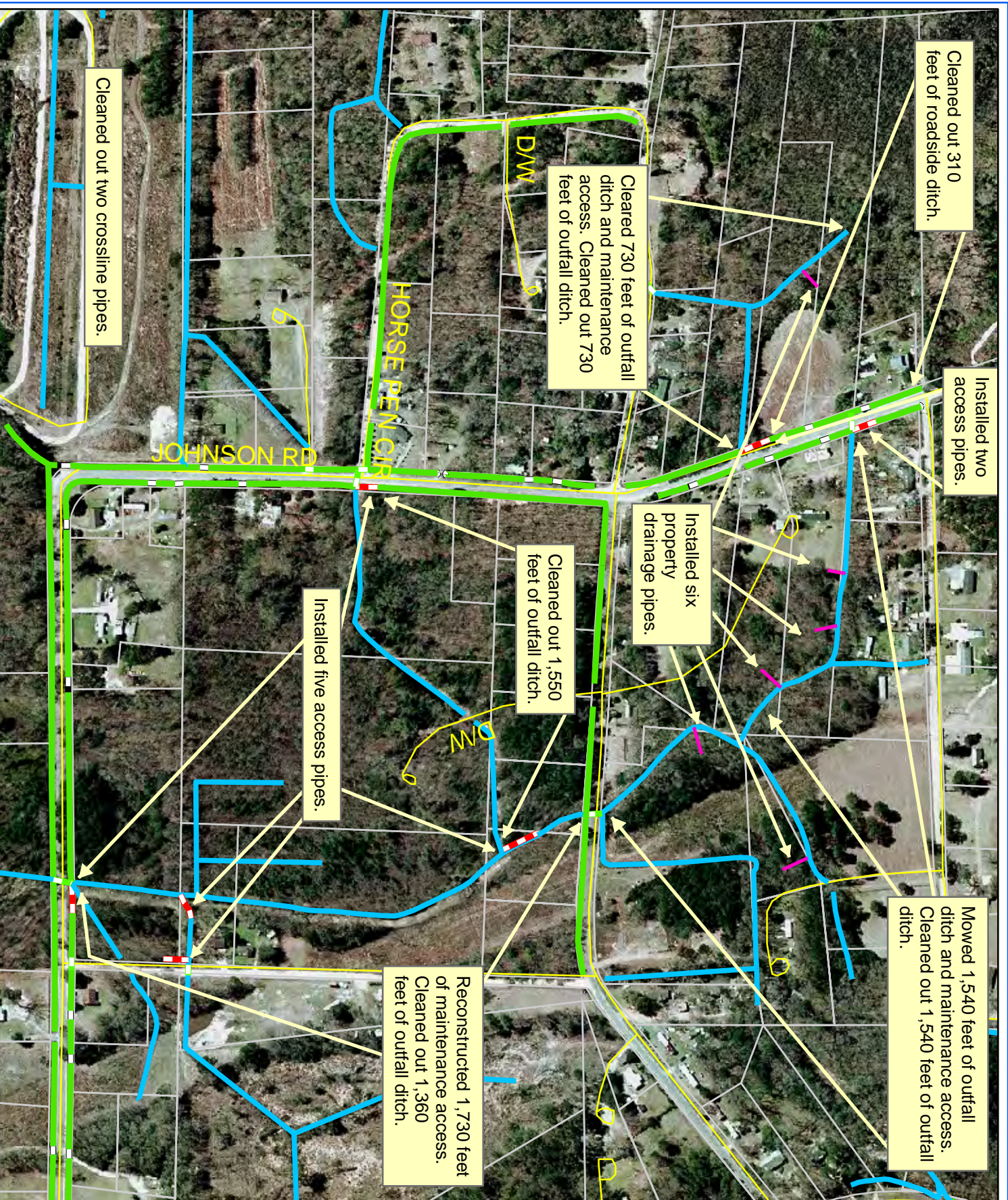


During



After





1 inch = 369 feet

Project:
Archie Sumpter

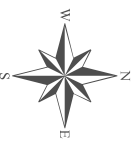
Activity: Drainage
Maintenance

Project#: 2004-21

Township:
Sheldon

Completed:
June 2008

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





Stormwater Utility

Project Report

Town of Hilton Head Island - Shipyard Plantation

Project Number: 2008-094

Start Month/Year: March 2008

Completion Month/Year: June 2008

Project Cost: \$21,338

Tax District: 510 – Town of Hilton Head Island

Council District: 3

Drainage/Water Quality Issue: There was standing water throughout the subdivision.

Resolution: This project reconstructed 50 feet of outfall ditch and maintenance access and cleaned out 250 feet of roadside ditch, 330 feet of outfall ditch and 40 feet of maintenance access. The Utility cleaned out four catch basins, five crossline pipes, and the outlet end of the outfall pipe. The Utility repaired a crossline pipe. The Utility installed and replenished stones and applied grass for stabilization.

Area Benefited: This project alleviated the standing water and provided drainage for Shipyard Drive, Gloucester Road, Salem Road, Valencia Road, Barcelona Drive, Saint Augustine Place, Colonnade Road, Windward Village Drive, New Orleans Road, Mitchellville Road, Kingston Road, Harbor Master community, and Tennis Master Community.

Please note that there were other maps omitted that did not include significant activity.

Before



During



After





Project:
 Town of Hilton Head
 Island -
 Shipyards Plantation

Activity:
 Drainage
 Improvement

Project #: 2008-094,
 2008-096, 2008-153,
 2008-181, 2008-095,
 2008-157, 2008-183,
 2008-180, 2008-182

Township:
 Town of Hilton Head
 Island

Completed:
 June 2008

Legend

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

Print Date: 8/7/08



Fiscal Year 2009



Stormwater Utility

Project Report

Mink Point

Project Number: 2004-06

Start Month/Year: November 2007

Completion Month/Year: July 2008

Project Cost: \$427,287

Tax District: 100 - Port Royal Island

Council District: 9

Drainage/Water Quality Issue: The primary outfall ditch for this subdivision was wide, deep, and a safety hazard. Also, the access and easements for the drainage system within the subdivision were narrow and preventing the ditches from being routinely cleaned out.

Resolution: This project mowed 600 feet of outfall ditch, cleared 2,460 feet of outfall ditch and maintenance access, cleaned out 1,530 feet of roadside ditch, 1,080 feet of outfall ditch, and 90 feet of lateral ditches. The Utility also installed eleven catch basins, one crossline pipe, five access pipes, 2,610 feet of outfall pipe, 370 feet of lateral/outfall pipe, nine stone basins, upsized one driveway pipe, extended one driveway pipe, and cleaned out eleven driveway pipes. In addition, the Utility installed stones and applied grass for stabilization.

Area Benefited: The project allowed the subdivision's drainage system to be routinely maintained and provided drainage for surrounding roads including Dairy Farm Road and a portion of Highway 280.

Before

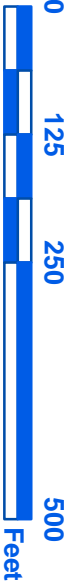


During



After





1 inch = 187 feet

Project:
Mink Point
Map 1

Activity:
Drainage
Improvement

Project #:
2004-006

Township:
Port Royal Island

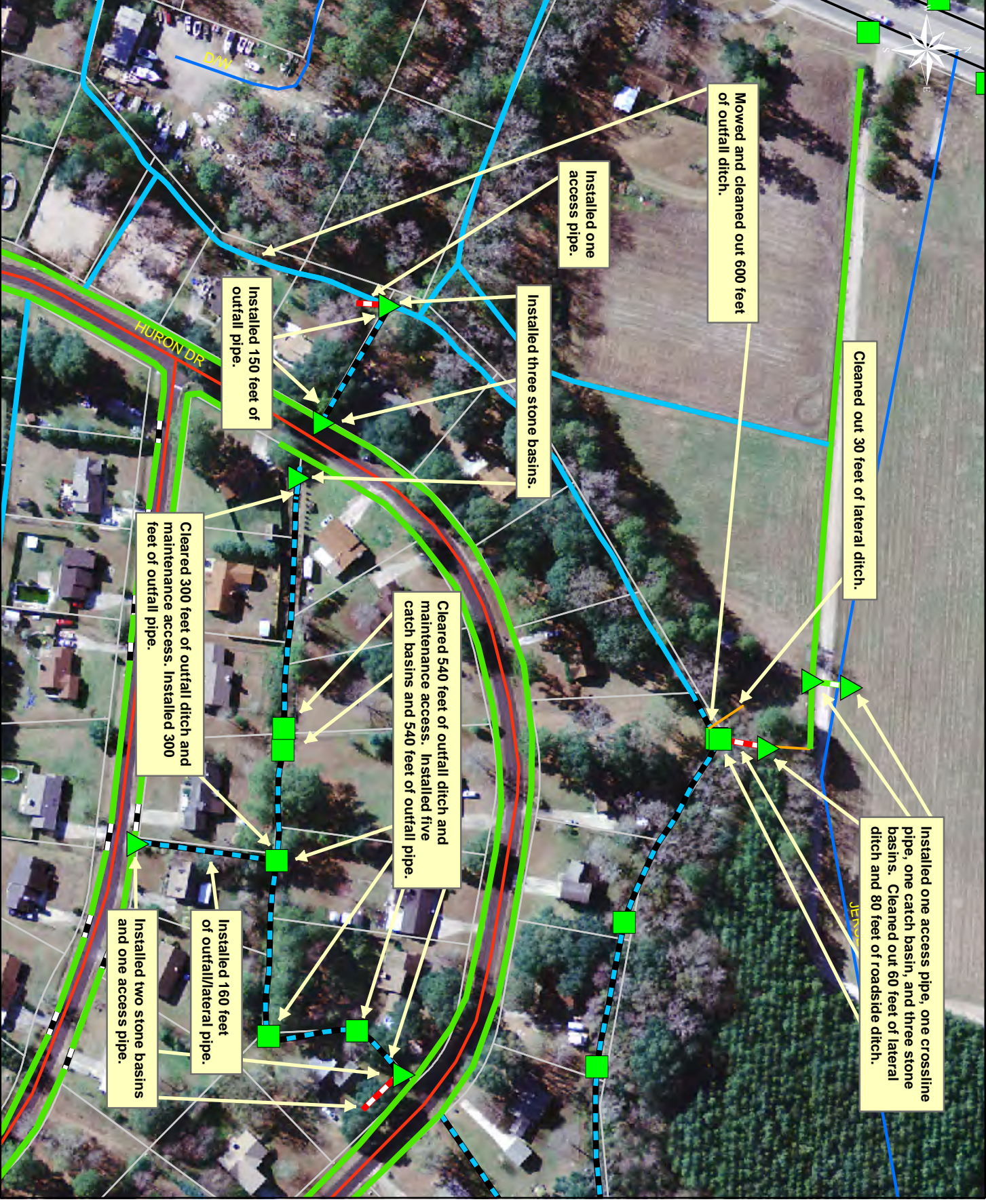
Completed:
July 2008

Legend	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels





1 inch = 150 feet



Cleaned out 30 feet of lateral ditch.

Mowed and cleaned out 600 feet of outfall ditch.

Installed one access pipe.

Installed three stone basins.

Installed 150 feet of outfall pipe.

Cleared 300 feet of outfall ditch and maintenance access. Installed 300 feet of outfall pipe.

Cleared 540 feet of outfall ditch and maintenance access. Installed five catch basins and 540 feet of outfall pipe.

Installed one access pipe, one crossline pipe, one catch basin, and three stone basins. Cleaned out 60 feet of lateral ditch and 80 feet of roadside ditch.

Installed two stone basins and one access pipe.
Installed 160 feet of outfall/lateral pipe.

Legend

	Drainage Type
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels



Print : 11/10/08

Project:
Mink Point
Map 2

Activity:
Drainage
Improvement

Project #:
2004-006

Township:
Port Royal Island

Completed:
July 2008



Stormwater Utility

Project Report

Paige Point Bluff

Project Number: 2008-141

Start Month/Year: May 2008

Completion Month/Year: July 2008

Project Cost: \$28,411

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: Water was overtopping the roadside ditch.

Resolution: This project cleared and reconstructed 570 feet of outfall ditch and maintenance access. The Utility also installed one driveway pipe and two access pipes. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for a portion of Paige Point Bluff.

Before

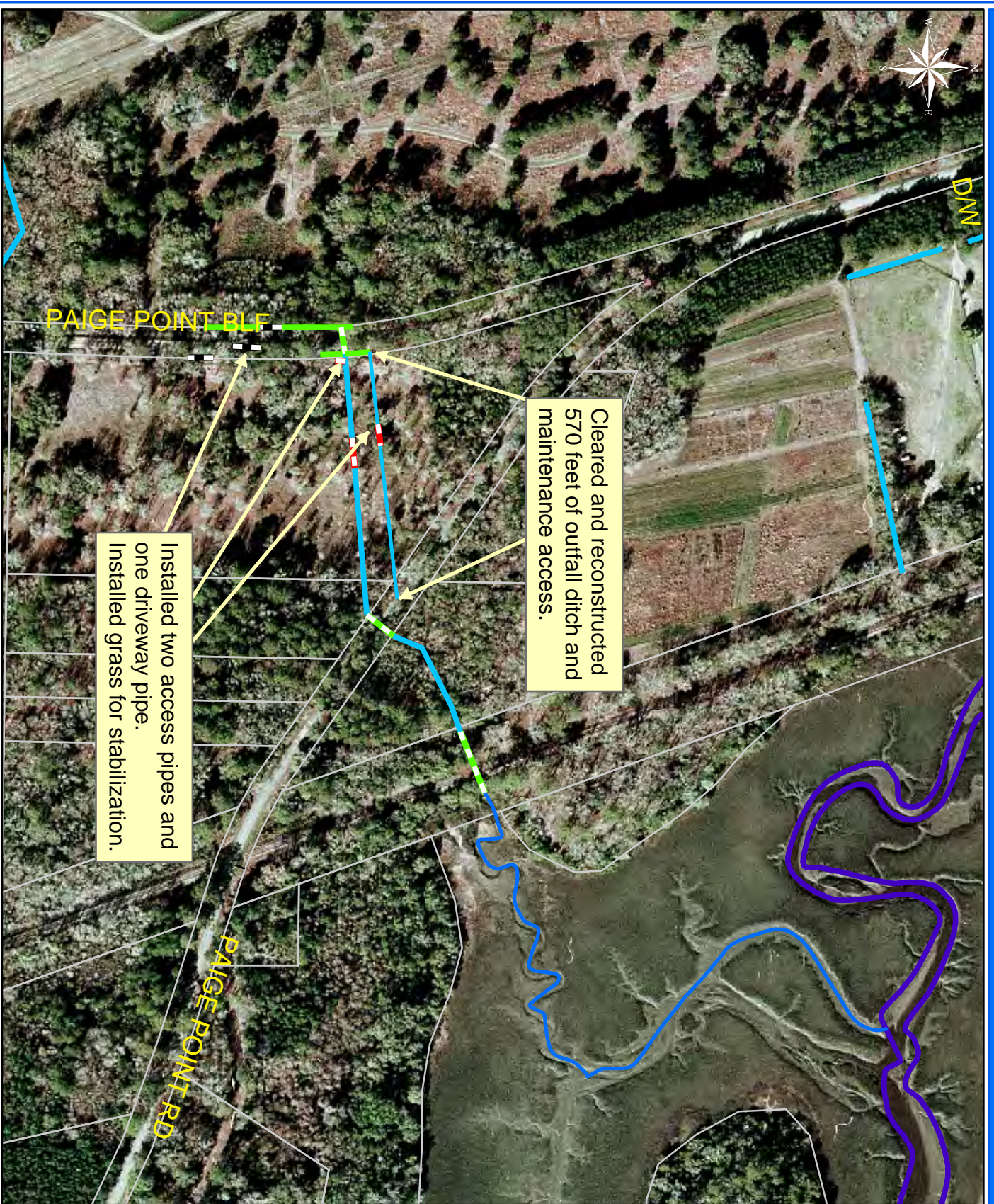


During



After





Project:
Paige Point
Bluff

Project #:
2008-141

Township:
Sheldon

Completed :
July 2008

Legend

Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels

Print Date: 11/26/08



Stormwater Utility

Project Report

Simmons Road

Project Number: 2008-142

Start Month/Year: June 2008

Completion Month/Year: July 2008

Project Cost: \$61,933

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was flooding and standing water on Simmons Road and standing water in the outfall ditches.

Resolution: This project cleared 2,300 feet and reconstructed 2,300 feet of outfall ditch and maintenance access. The Utility also installed three access pipes, one crossline pipe, and 40 feet of outfall pipe to protect specimen trees. In addition, the Utility cleaned out one crossline pipe, installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Simmons Road and surrounding properties.

Before



During

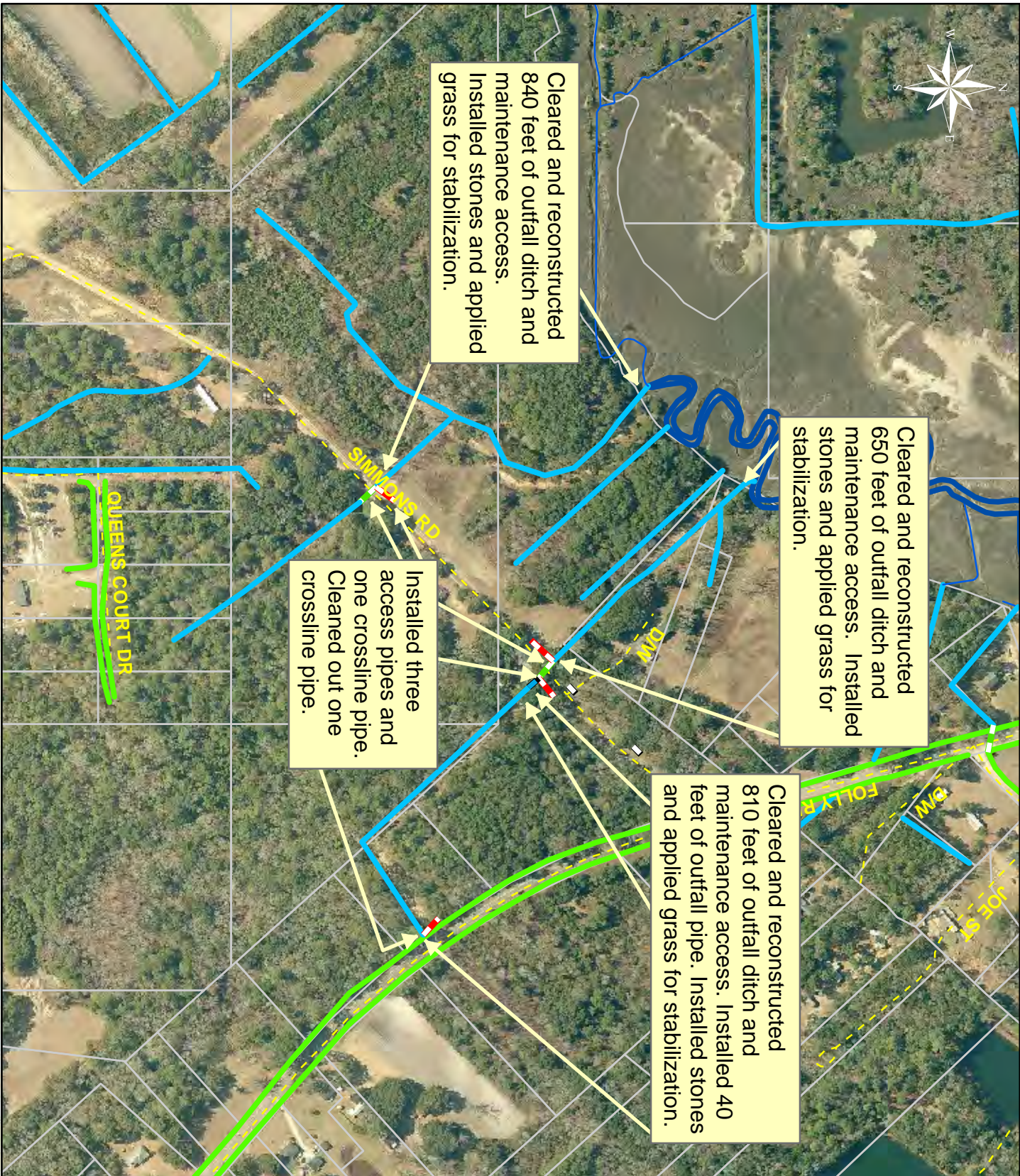


After





1 inch = 337 feet



Cleared and reconstructed 840 feet of outfall ditch and maintenance access. Installed stones and applied grass for stabilization.

Cleared and reconstructed 650 feet of outfall ditch and maintenance access. Installed stones and applied grass for stabilization.

Installed three access pipes and one crossline pipe. Cleaned out one crossline pipe.

Cleared and reconstructed 810 feet of outfall ditch and maintenance access. Installed 40 feet of outfall pipe. Installed stones and applied grass for stabilization.

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

Project:
Simmons Road

Activity: Drainage Maintenance

Project #:
2008-142

Township:
St. Helena Island

Completed:
July 2008



Stormwater Utility

Project Report

Town of Bluffton - Bluffton Parkway

Project Number: 2008-144

Start Month/Year: June 2008

Completion Month/Year: July 2008

Project Cost: \$36,473

Tax District: 610 – Town of Bluffton

Council District: 4

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

Resolution: This project cleared 670 feet of outfall ditch, cleared 600 feet of maintenance access, and reconstructed 870 feet of outfall ditch and maintenance access. The Utility also installed one access pipe and two property drain pipes. Lastly, the Utility installed stones for stabilization.

Area Benefited: This project provided drainage for portions of the Bluffton Parkway, Buck Island Road, and surrounding properties.

Before



During



After





Installed two property drain pipes and one access pipe.

Cleared 670 feet of outfall ditch. Reconstructed 600 feet of maintenance access. Reconstructed 870 feet of outfall ditch and maintenance access. Installed stones for stabilization.

Project:
Town of Bluffton - Bluffton Parkway

Activity: Drainage Maintenance

Project #: 2008-144

Township: Town of Bluffton

Completed: July 2008

Legend	
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels

1 inch = 430 feet



Print date: 11/26/08



Stormwater Utility

Project Report

Town of Hilton Head Island - Firethorn Lane

Project Number: 2008-138

Start Month/Year: July 2008

Completion Month/Year: July 2008

Project Cost: \$21,988

Tax District: 510 – Town of Hilton Head Island

Council District: 3

Drainage/Water Quality Issue: There was standing water on the road.

Resolution: This project replaced 40 feet of outfall pipe. The Utility also cleaned out 160 feet of outfall pipe, one crossline pipe, and three catch basins.

Area Benefited: This project alleviated the standing water and provided drainage for portions of Firethorn Lane and South Forest Beach Drive.

Before

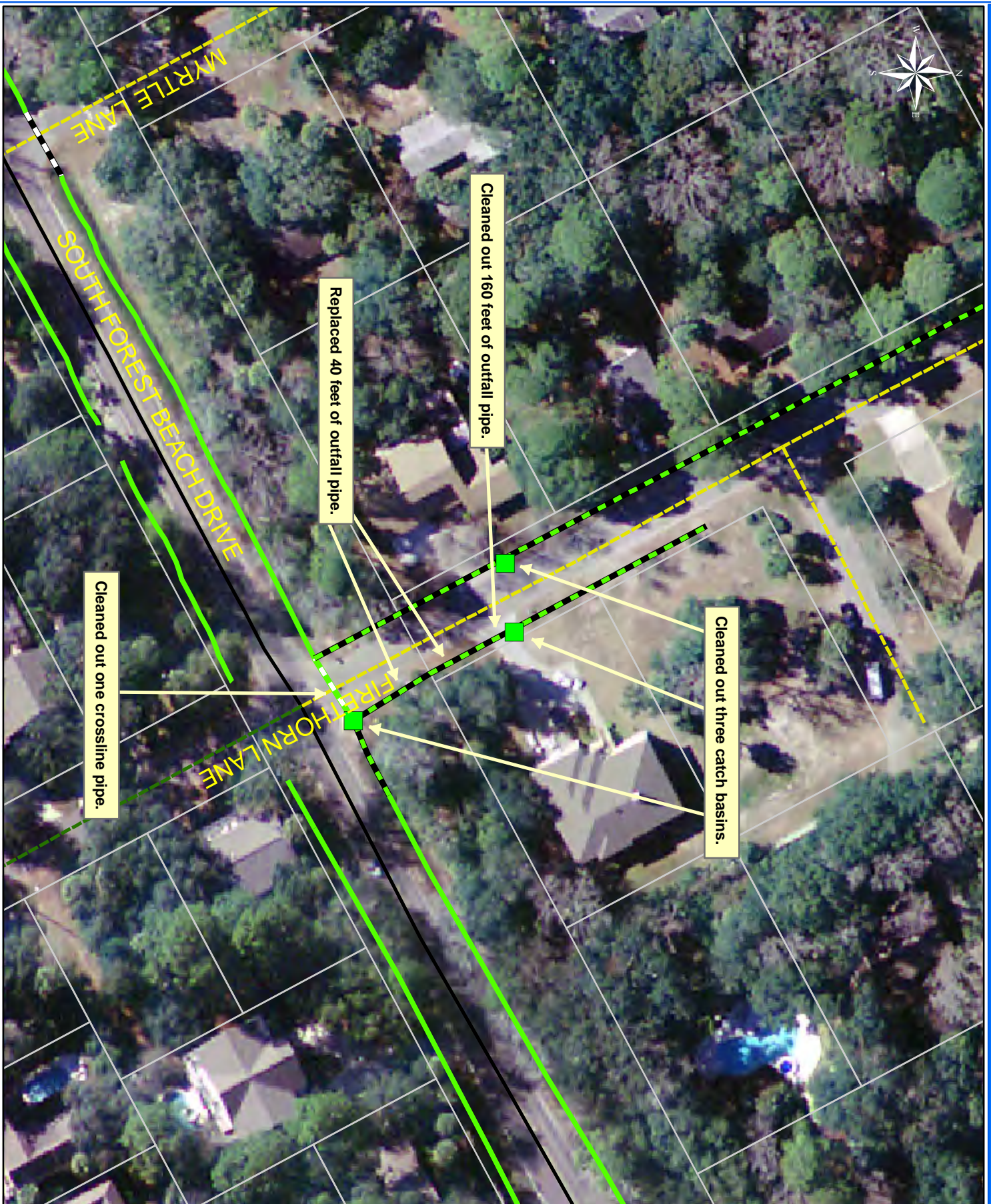


During



After





1 inch = 69 feet

Project: Town of Hilton Head Island - Firehorn Lane

Activity: Drainage Maintenance

Project #: 2008-138

Township: Town of Hilton Head Island

Completed: July 2008

Legend

	Parcels
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Pipe
	Easements

Print Date: 3/4/08



Stormwater Utility

Project Report

Windy Lakes Subdivision

Project Number: 2005-99

Start Month/Year: May 2008

Completion Month/Year: July 2008

Project Cost: \$165,030

Tax District: 600 – Bluffton

Council District: 4

Drainage/Water Quality Issue: The cul-de-sac within Windy Lakes' subdivision was flooding.

Resolution: The Utility cleared 1,360 feet of outfall ditch and maintenance access, hand cleared 1,390 feet of outfall ditch, reconstructed 970 feet of outfall ditch, and cleaned out 470 feet of roadside ditch. This project also installed 620 feet of outfall pipe, two catch basins, and upsized eight driveway pipes to correct elevation. Additionally, the Utility cleaned out one crossline pipe and repaired a washout. The Utility also installed grass to reestablish property owner's yard and for stabilization. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for portions of Sugaree Drive and surrounding properties.

Before



During



After



Project:
Windy Lakes

Activity: Ditch
Maintenance

Project #: 2005-99

Township:
Bluffton

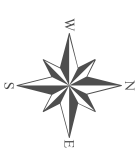
Completed:
July 2008

Legend

Drainage Type

- Rivers
- Streams
- Outfall Ditch
- Lateral
- Roadside Ditch
- Roadside Pipe
- Road Crossing
- Driveway Culverts
- Access Pipe
- Piped Ditch
- Bleeder Ditch
- Parcels

172



Upsized eight driveway pipes to correct elevation and repaired a washout.

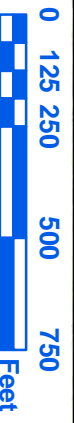
Cleared 1,360 feet of outfall ditch and maintenance access. Reconstructed 970 feet of outfall ditch.

Installed 620 feet of outfall pipe and two catch basins.

Cleaned out 470 feet of roadside ditch. Installed stones and applied grass for stabilization.

Cleaned out one crossline pipe.

Hand cleared 1,390 feet of outfall ditch.



1 inch = 430 feet

Print Date: 2/19/09



Stormwater Utility

Project Report

Hickory Hill Road

Project Number: 2008-145

Start Month/Year: July 2008

Completion Month/Year: August 2008

Project Cost: \$24,031

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: After Hickory Hill Road was paved, the increase in rainwater runoff caused a washout at the discharge end of the outfall ditch. Also the access and easement for the drainage system were narrow, preventing the ditch near a property owner's home from being routinely cleaned out.

Resolution: This project cleared 220 feet of outfall ditch, repaired a wash out, and replenished stones. The Utility also installed 20 feet of outfall pipe upstream and 80 feet of outfall pipe downstream. Additionally, the Utility applied grass for stabilization.

Area Benefited: This project provided drainage for Hickory Hill Road, and portions of Ball Park Road, Bible Camp Road, and surrounding properties.

Before



During



After



Project:
Hickory Hill Road

Activity: Drainage
Maintenance

Project #:
2008-145

Township:
St. Helena Island

Completed:
August 2008



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



1 inch = 134 feet

Date Print: 10/22/11



Stormwater Utility

Project Report

William Jenkins Road Outfall

Project Number: 2004-98

Start Month/Year: January 2008

Completion Month/Year: August 2008

Project Cost: \$58,852

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: Once the owner decided to build on their property, an outlet to drain the rainwater runoff from William Jenkins Road would have been eliminated. The owner notified the County and it would have had to either install pipes in the existing ditch running through their property or have had the ditch realigned to the edge of the property line to continue to drain William Jenkins Road.

Resolution: Project cleared 420 feet of outfall ditch and 420 feet of outfall pipes were installed. The Utility also cleaned out 800 feet of roadside ditch, cleaned out one crossline pipe, and upsized three crossline pipes and one access pipe. Grass was applied and stones installed for stabilization.

Area Benefited: This project allowed the continuance of providing drainage of William Jenkins Road and a small portion of Fripp Point Road.

Before

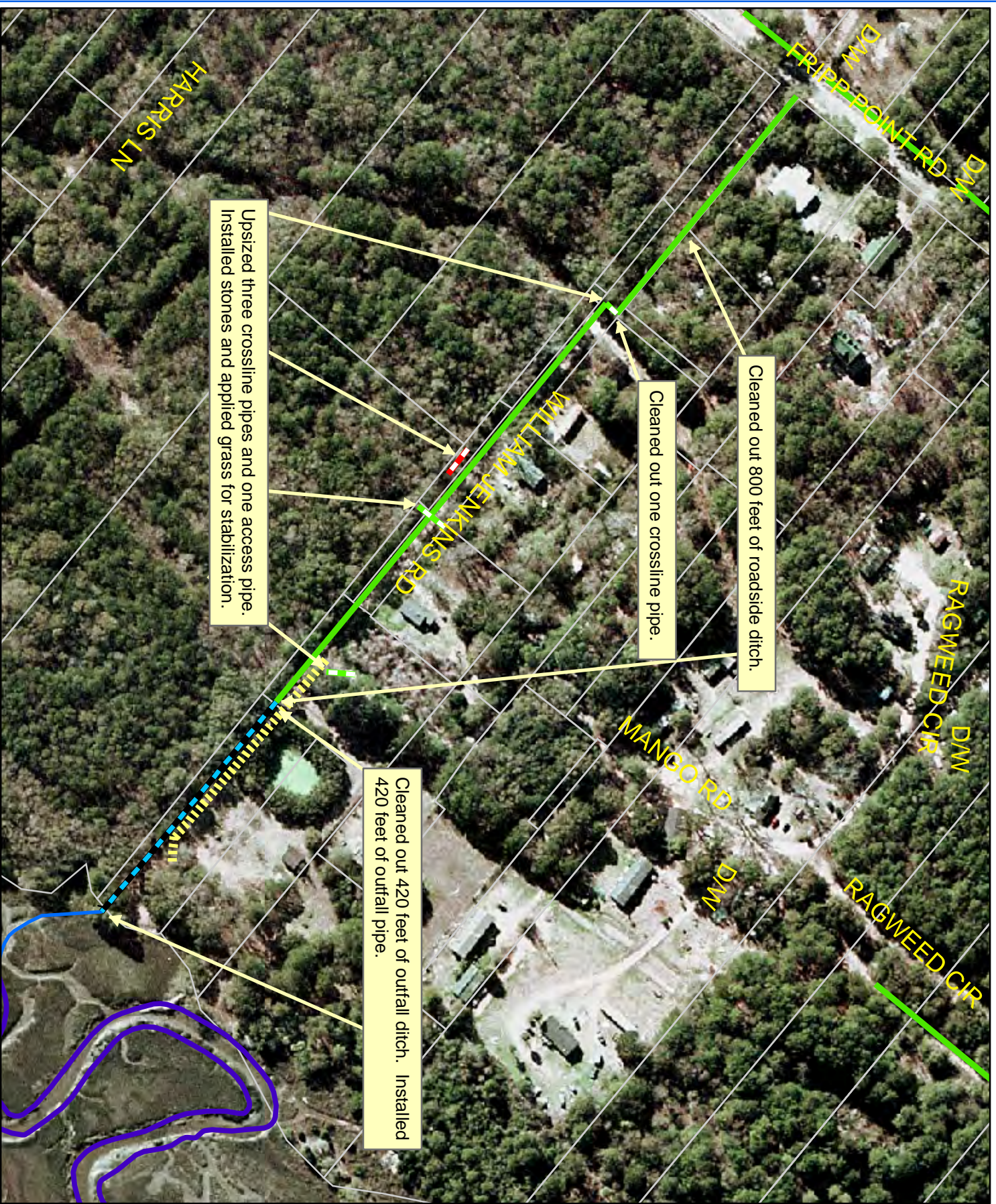


During



After





1 inch = 201 feet

Project:
William Jenkins
Road Outfall

Activity: Ditch
Maintenance

Project #:
2004-98

Township:
St. Helena Island

Completed:
August 2008

Legend	
	Parcels
Drainage Type	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch





Stormwater Utility

Project Report

Alumni Road

Project Number: 2008-106

Start Month/Year: August 2008

Completion Month/Year: September 2008

Project Cost: \$101,967

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: As part of the Highway 802 widening, the contractor reconstructed (widened) the outfall ditch, not leaving enough access for routine maintenance between Alumni Road and Little Capers Road.

Resolution: This project mowed 1,450 feet of outfall ditch and maintenance access, cleared 1,360 feet of outfall ditch and maintenance access, reconstructed 1,360 feet of maintenance access, and cleaned out 1,360 feet of outfall ditch. The Utility installed one catch basin, 100 feet of outfall pipe, and four access pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for Alumni Road, Faculty Drive, and portions of Fairfield Road, Sam's Point Road, and surrounding properties.

Before

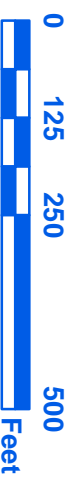
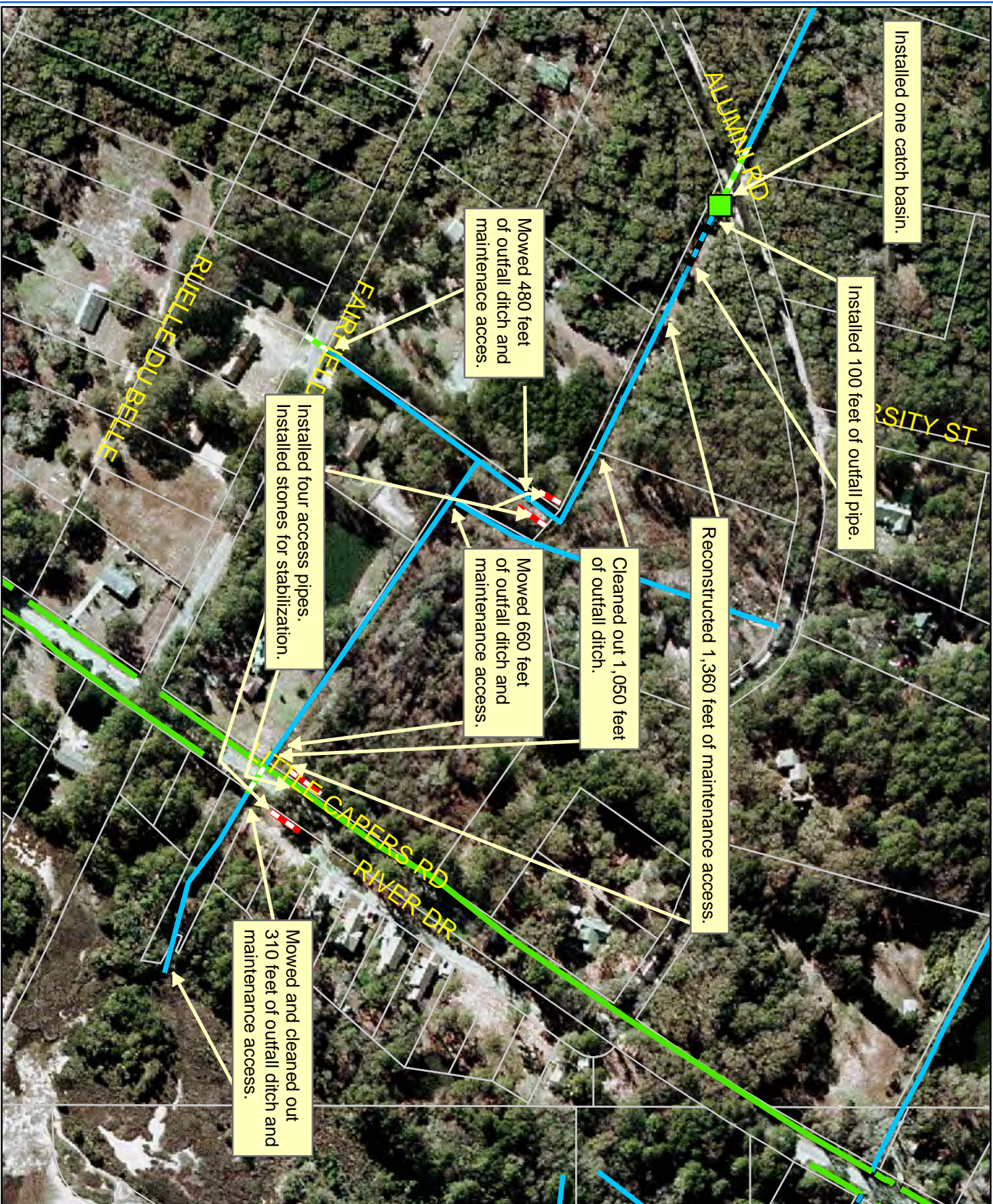


During



After





1 inch = 247 feet

Installed one catch basin.

Installed 100 feet of outfall pipe.

Reconstructed 1,360 feet of maintenance access.

Cleaned out 1,050 feet of outfall ditch.

Mowed 480 feet of outfall ditch and maintenance access.

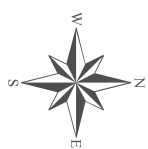
Mowed 660 feet of outfall ditch and maintenance access.

Installed four access pipes. Installed stones for stabilization.

Mowed and cleaned out 310 feet of outfall ditch and maintenance access.

Legend

	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels



Print Date: 1/14/08

Project:
Alumni Road

Activity: Drainage Maintenance

Project#:
2008-106

Township:
Lady's Island

Completed:
September 2008



Stormwater Utility

Project Report

Town of Hilton Head Island - Mead Lane

Project Number: 2009-020

Start Month/Year: October 2008

Completion Month/Year: October 2008

Project Cost: \$88,664

Tax District: 510 – Town of Hilton Head Island

Council District: 2

Drainage/Water Quality Issue: There were sinkholes on the roadside of Mead Lane.

Resolution: This project replaced 200 feet of twin crossline pipes and stabilized the roadside. The Utility also installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for portions of Doral Court, Branford Lane, and Mead Lane.

Before



During



After





Replaced 200 feet of twin crossline pipes. Stabilized roadside. Installed stones and applied grass for stabilization.



Project:
Town of Hilton
Head Island - Mead
Lane

Activity:
Ditch
Maintenance





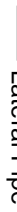
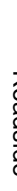






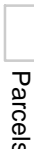
Project #:
2009-020

Township:
Town of Hilton
Head Island

Completed:
October 2008

Legend

Drainage Type

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

Date Print: 1/27/09



Stormwater Utility

Project Report

Huspah Court North

Project Number: 2009-023

Start Month/Year: October 2008

Completion Month/Year: November 2008

Project Cost: \$29,708

Tax District: 700 – Sheldon

Council District: 6

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

Resolution: This project cleared and reconstructed 800 feet of outfall ditch and maintenance access. The Utility also installed one access pipe and one property drain pipe. Lastly, the Utility installed straw mat and stones and applied grass for stabilization.

Area Benefited: This project provided drainage for portions of Huspah Court North and surrounding properties.

Before



During



After



Project:
Huspah Court
North

Activity: Drainage
Improvement

Project#:
2009-023

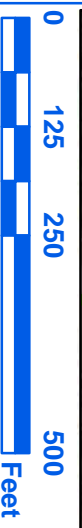
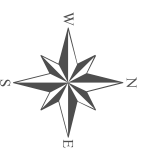
Township:
Sheldon

Completed :
November 2008

Legend 182

Drainage Type

- Rivers
- Streams
- Outfall Ditch
- Lateral
- Roadside
- Road Crossing
- Driveway Culverts
- Access Pipe
- Piped Ditch
- Bleeder Ditch
- Parcels



1 inch = 220 feet



Print Date: 1/14/08



Stormwater Utility

Project Report

Town of Hilton Head Island - Jarvis Creek Park

Project Number: 2009-046

Start Month/Year: November 2008

Completion Month/Year: November 2008

Project Cost: \$20,334

Tax District: 510 – Town of Hilton Head Island

Council District: 2

Drainage/Water Quality Issue: The outfall ditch had a washout causing trees to be undermined. Also, the piling for the nature trail was at risk of collapsing.

Resolution: This project constructed 200 feet of temporary access, cleared 20 feet of outfall ditch, repaired a washout, and reconstructed the flowline. The Utility also transplanted small trees to flowline to disperse flow. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for a portion of Jarvis Creek Park.

Before

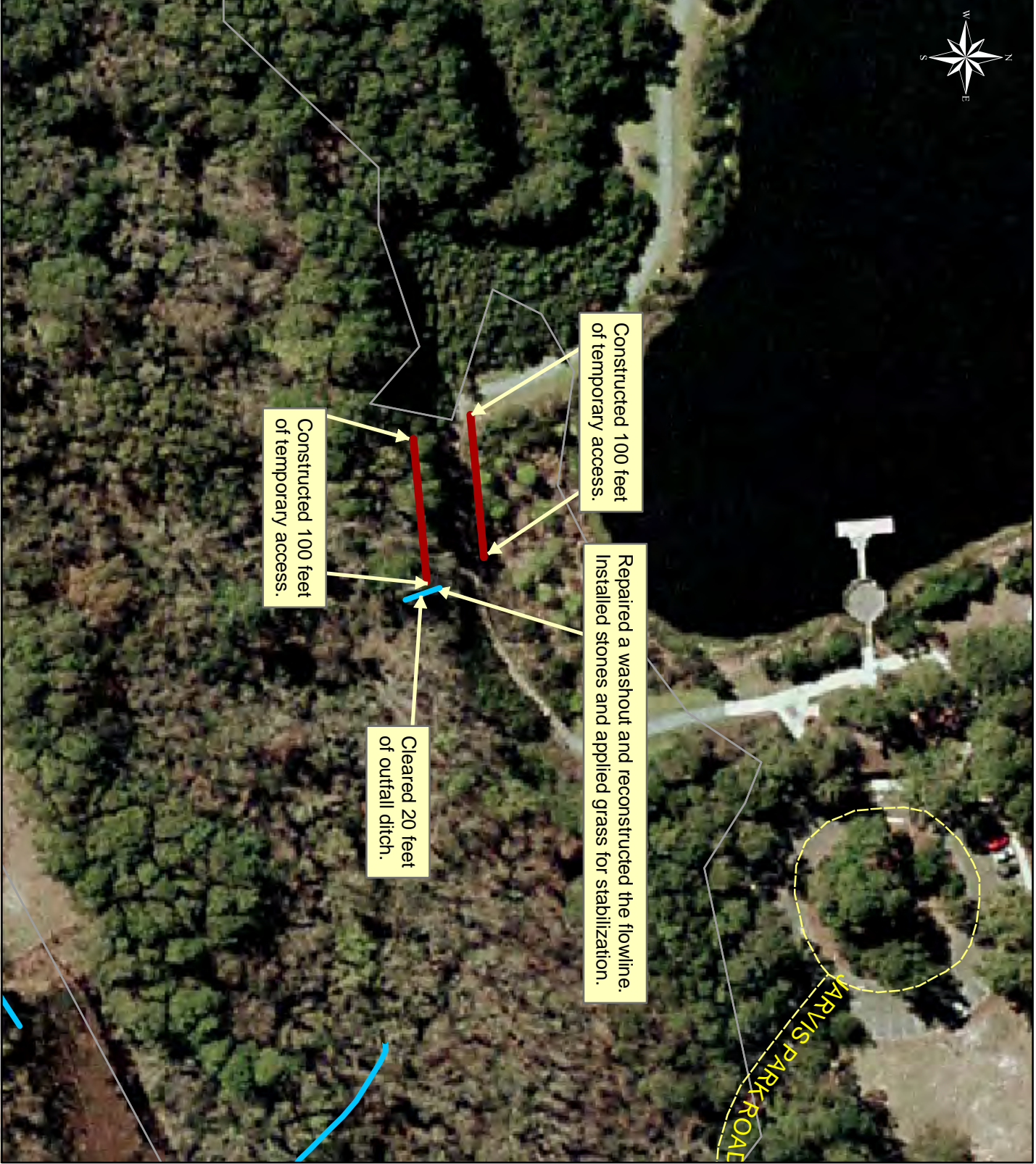


During



After





1 inch = 104 feet

Project:
Town of Hilton Head
Island - Jarvis
Creek Park

Activity:
Repair Washout













Project #: 2009-046

Township:
Town of Hilton
Head Island

Completed:
November 2008

Legend

Drainage Type

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

Date Print: 1/27/09



Stormwater Utility

Project Report

Paige Point Bluff

Project Number: 2009-041

Start Month/Year: November 2008

Completion Month/Year: December 2008

Project Cost: \$23,858

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: There was water overtopping the road at every crossline pipe on Paige Point Bluff.

Resolution: This project cleaned out 500 feet of roadside ditch. The Utility also upsized two single crossline pipes to two twin crossline pipes, replaced two crossline pipes, installed one crossline pipe, and reinstalled one crossline pipe to the correct elevation. Additionally, the Utility repaired a washout and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Paige Point Bluff and surrounding properties.

Before



During



After



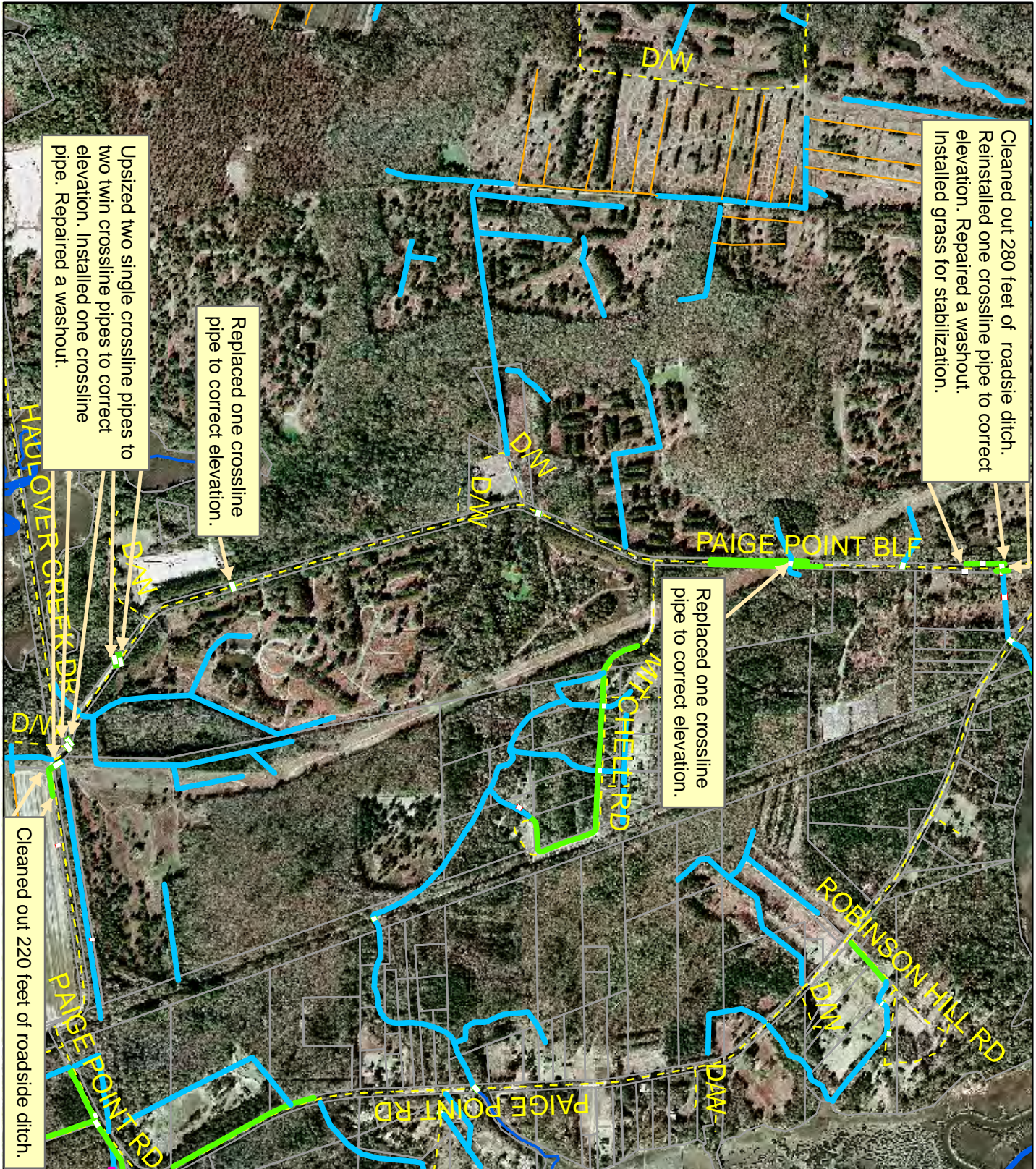
Cleaned out 280 feet of roadside ditch.
Reinstalled one crossline pipe to correct elevation. Repaired a washout.
Installed grass for stabilization.

Replaced one crossline pipe to correct elevation.

Replaced one crossline pipe to correct elevation.

Upsized two single crossline pipes to two twin crossline pipes to correct elevation. Installed one crossline pipe. Repaired a washout.

Cleaned out 220 feet of roadside ditch.



Project:
Paige Point Bluff

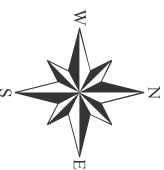
Activity: Ditch
Maintenance

Project #: 2009-041

Township:
Sheldon

Completed:
December 2008

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



Date Print: 01/27/09



Stormwater Utility

Project Report

White Sands Circle/Shiney Road

Project Number: 2008-193

Start Month/Year: September 2008

Completion Month/Year: December 2008

Project Cost: \$33,325

Tax District: 300 – St. Helena Island

Council District: 5

Drainage/Water Quality Issue: There was stagnant water in the outfall ditch because the drainage system had very little fall in elevation.

Resolution: This project mowed and cleaned out 4,310 feet of outfall ditch and maintenance access. The Utility also installed three crossline pipes and two access pipes. In addition, the Utility cleaned out three crossline pipes and installed stones and applied grass for stabilization.

Area Benefited: This project provided drainage for White Sands Circle, and for portions of Shiney Road and surrounding properties.

Before



During



After





1 inch = 276 feet



Project:
White Sands Circle
and Shiney Road

Activity: Ditch
Maintenance

Project #: 2008-193

Township:
St. Helena Island

Completed:
December 2008

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



Stormwater Utility

Project Report

Gray Road Outfall

Project Number: 2009-029

Start Month/Year: October 2008

Completion Month/Year: January 2009

Project Cost: \$76,496

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During heavy rain events, there was flooding on a portion of Big Estate Circle and adjacent properties.

Resolution: This project cleared and reconstructed 1,250 feet of outfall ditch and maintenance access and cleaned out 2,610 feet of roadside ditch. The Utility also installed four access pipes, upsized one crossline pipe and one driveway pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for portions of Gray Road and Big Estate Circle.

Before

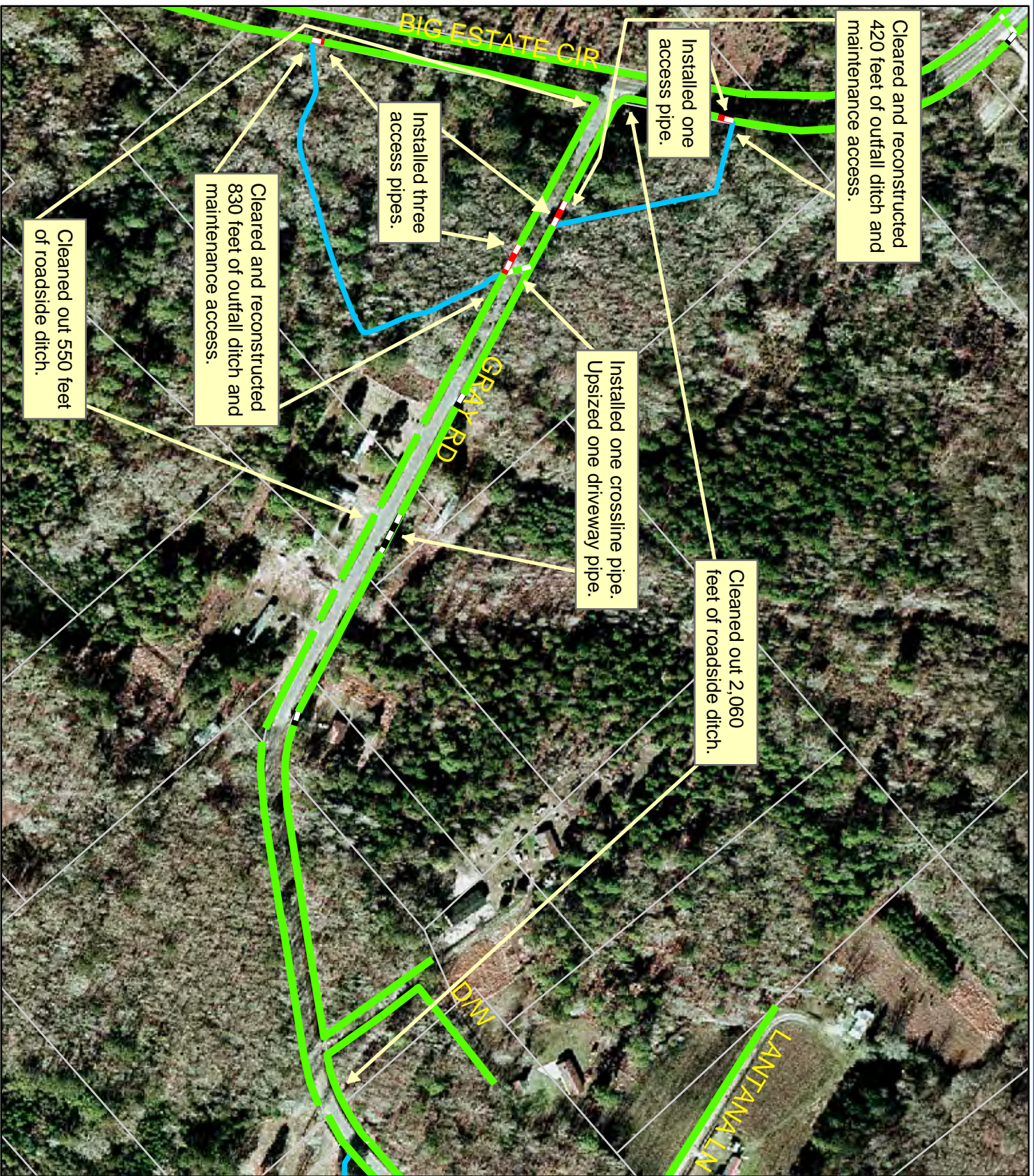


During



After





Project:
 Gray Road Outfall
 Improvement

Project #:
 2009-029

Township:
 Sheldon

Completed:
 January 2009

Legend	
	Rivers
	Streams
	Outfall Ditch
	Lateral
	Roadside Ditch
	Roadside Pipe
	Road Crossing
	Driveway Culverts
	Access Pipe
	Piped Ditch
	Bleeder Ditch
	Parcels



1 inch = 249 feet



Stormwater Utility

Project Report

Rail Bed Road Outfall

Project Number: 2008-163

Start Month/Year: December 2008

Completion Month/Year: January 2009

Project Cost: \$20,610

Tax District: 700 – Sheldon

Council District: 6

Drainage/Water Quality Issue: During heavy rain events there was flooding on Paige Point Bluff.

Resolution: This project cleared 1,450 feet of maintenance access, mowed 1,450 feet of outfall ditch, and cleaned out 40 feet of roadside ditch. The Utility also installed four property drain pipes and one access pipe. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for portions of Rail Bed Road, Paige Point Bluff, Priester Road, and Paige Point Road.

Before



During



After



Project:
 Rail Bed Road
 Outfall

Activity: Ditch
 Maintenance

Project #: 2008-163

Township:
 Sheldon

Completed:
 January 2009



1 inch = 265 feet

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



Stormwater Utility

Project Report

Sheldon Bush Hog

Project Number: 2009-148

Start Month/Year: December 2008

Completion Month/Year: January 2009

Project Cost: \$29,545

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 55,590 feet of maintenance access, 6,470 feet of outfall ditches, and 17,810 feet of roadside ditches within the drainage system in the Sheldon area.

Area Benefited: This project provided routine maintenance for the following areas: Archie Sumpter Road, Honeybee Road, Stroup Road, Huspah Road, River Oak Road, Oakhurst Road, Wimbee Landing Road, Albertha Fields Circle, Middle Field Circle, Stroban Road, Coaker Lane Outfall, Cuthbert Farm Road, Bailey Road, Twickenham Plantation Road, Joseph Lane, Mitchell Drive, George Williams Lane, Horse Pen Road, Gum Tree Lane, Browns Island Road, and others.

Before



During



After





Stormwater Utility

Project Report

Town of Hilton Head Island - Harbor Master

Project Number: 2009-047

Start Month/Year: December 2008

Completion Month/Year: January 2009

Project Cost: \$54,146

Tax District: 510 – Town of Hilton Head Island

Council District: 3

Drainage/Water Quality Issue: There was standing water in the roadside ditches on Gloucester Road, New Orleans Road, and Pensacola Place. There was also standing water in the outfall ditches and surrounding properties.

Resolution: This project cored a thirty-six inch opening in an existing catch basin, replaced 190 feet of outfall pipe, and repaired three sections of waterline. The Utility also extended 10 feet of complex culvert pipe and installed stones and grass for stabilization.

Area Benefited: This project alleviated the standing water and provided drainage for portions of Gloucester Road, New Orleans Road, Pensacola Place, and surrounding properties.

Before



During



After





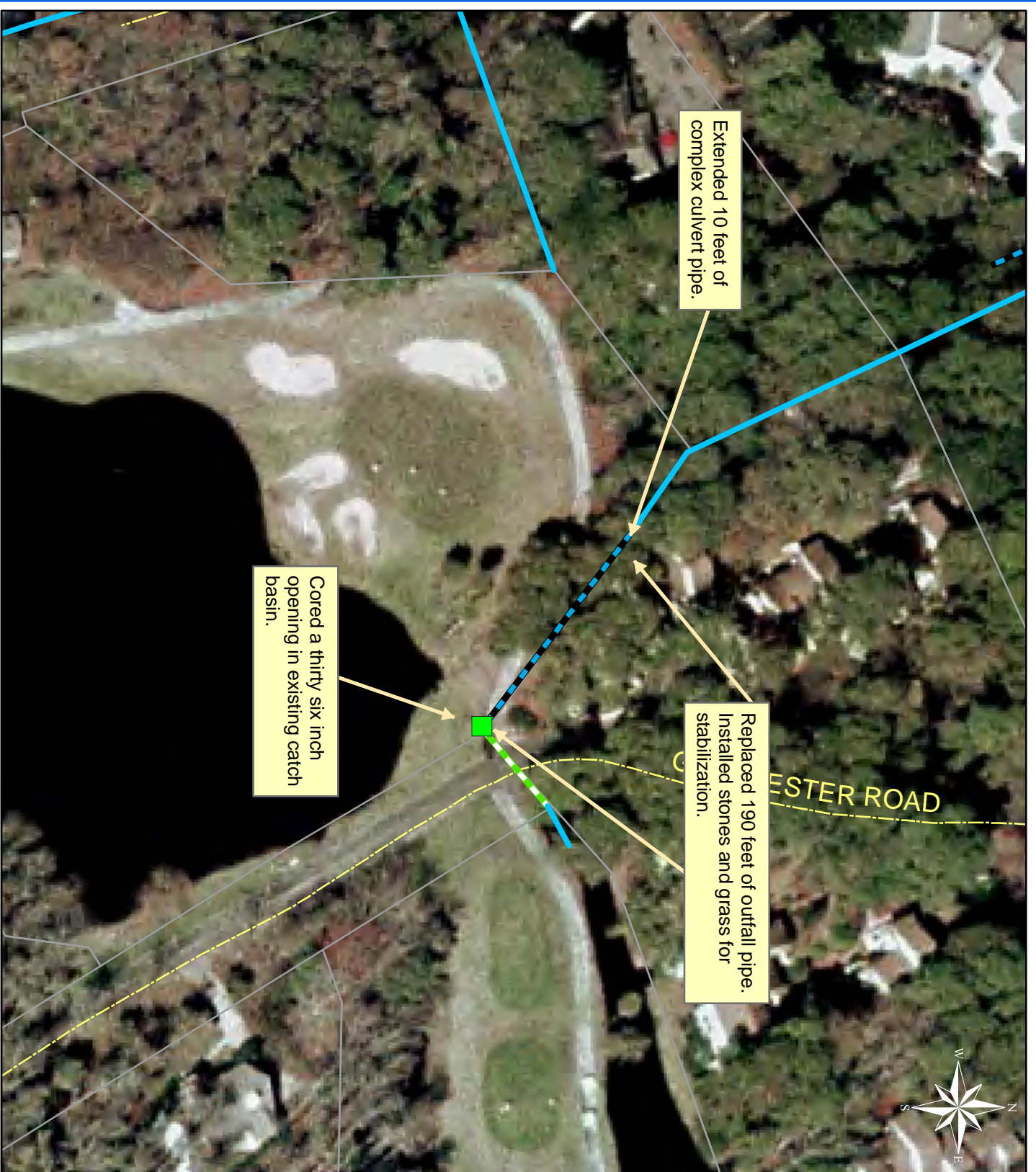
Project:
Town of Hilton
Head Island -
Harbor Master

Activity:
Ditch Maintenance

Project #: 2009-047

Township:
Town of Hilton
Head Island

Completed:
January 2009



1 inch = 83 feet

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



Stormwater Utility

Project Report

Country Manor

Project Number: 2005-020

Start Month/Year: January 2009

Completion Month/Year: February 2009

Project Cost: \$52,829

Tax District: 100 – Port Royal Island

Council District: 6

Drainage/Water Quality Issue: A property in the Country Manor subdivision was flooding.

Resolution: This project cleaned out 900 feet of outfall ditch and reconstructed 1,500 feet of outfall ditch and maintenance access. The Utility also installed three access pipes. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated the flooding and provided drainage for portions of Shanklin Road and surrounding properties.

Before



During

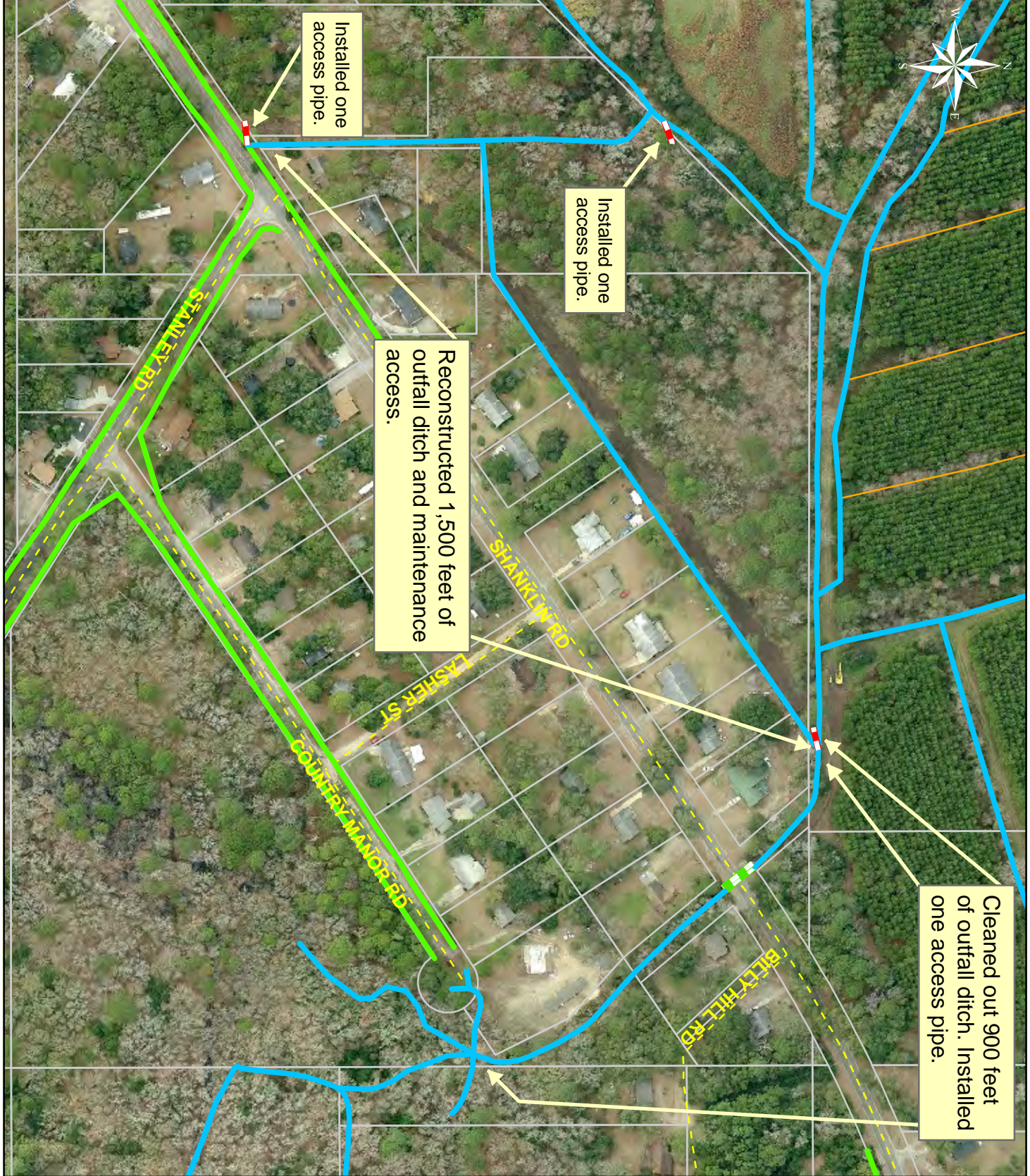


After





1 inch = 226 feet



Cleaned out 900 feet of outfall ditch. Installed one access pipe.

Reconstructed 1,500 feet of outfall ditch and maintenance access.

Installed one access pipe.

Installed one access pipe.

Project:
Country Manor Estates

Activity: Drainage Maintenance

Project #:
2005-020

Township:
Port Royal Island

Completed:
February 2009

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

Date Print: 1/27/09



Stormwater Utility

Project Report

Harding Street Outfall

Project Number: 2009-082

Start Month/Year: December 2008

Completion Month/Year: February 2009

Project Cost: \$36,413

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: During rain events there was flooding on Harding Street and Taft Street.

Resolution: This project cleared 480 feet of maintenance access and cleaned out 230 feet of outfall ditch. The Utility also installed 260 feet of outfall pipe, one flap gate, two property drain pipes, and one catch basin. Additionally, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Taft Street and portions of Harding Street.

Before



During



After





Cleaned out 230 feet of outfall ditch. Installed one flap gate, two property drain pipes and one catch basin.

Cleared 480 feet of maintenance access. Installed 260 feet of outfall pipe. Installed stones and applied grass for stabilization.



1 inch = 96 feet

Project:
Harding Street
Outfall

Activity: Pipe
Installation

Project #:
2009-082

Township:
Port Royal Island

Completed:
February 2009

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

Date Print: 6/25/09



Stormwater Utility

Project Report

Milledge Village Road/Glaze Drive

Project Number: 2009-100

Start Month/Year: February 2009

Completion Month/Year: February 2009

Project Cost: \$39,021

Tax District: 100 – Port Royal Island

Council District: 8

Drainage/Water Quality Issue: There were blockages throughout the roadside ditches causing water not to drain.

Resolution: This project cleaned out 7,200 feet of roadside ditch. The Utility also installed three driveway pipes and cleaned out one catch basin, four crossline pipes, sixty driveway pipes, and 340 feet of roadside pipe. In addition, the Utility applied grass for stabilization.

Area Benefited: This project provided drainage for Milledge Village Road and Glaze Drive.

Before



During

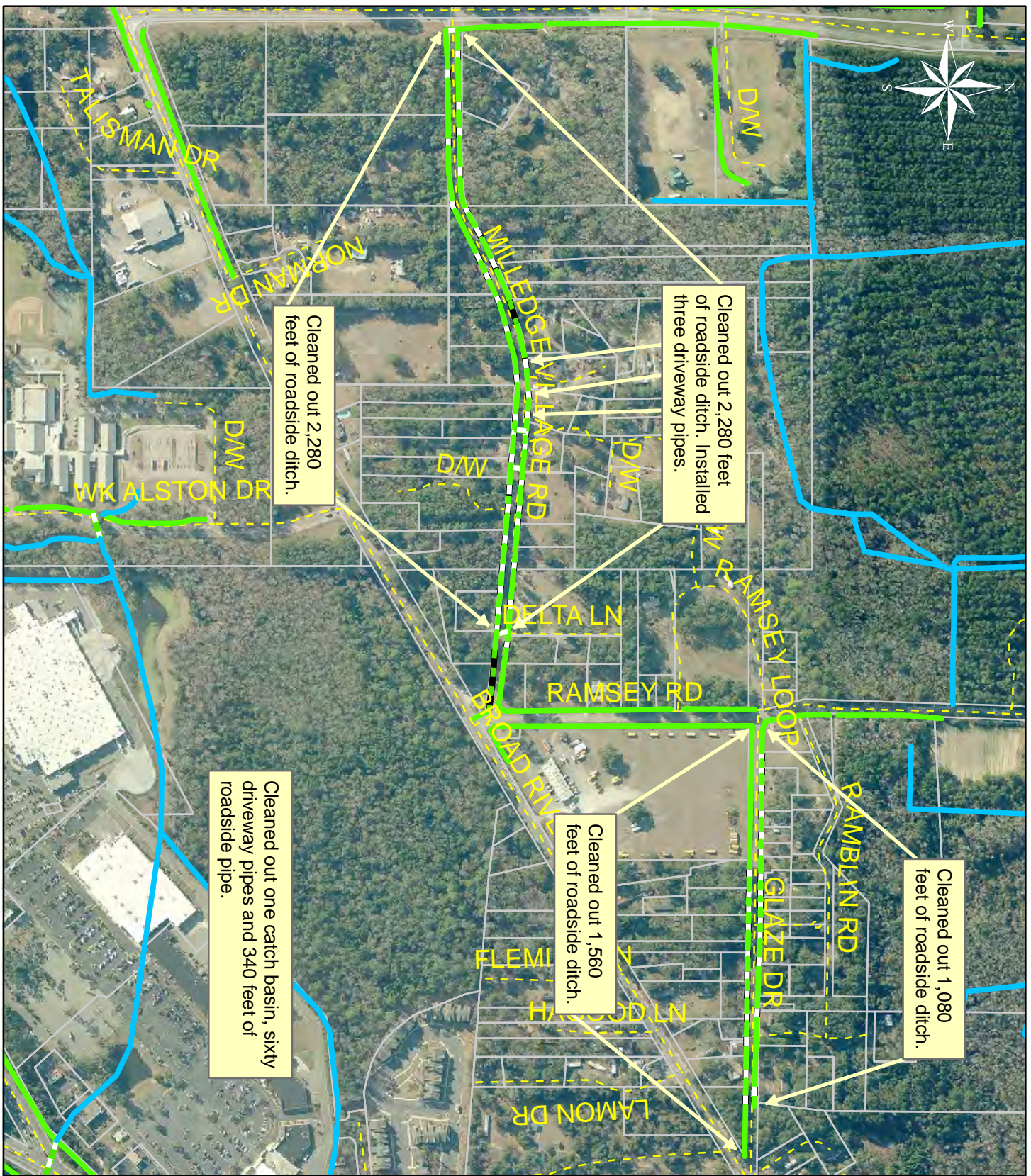


After



0 137.5275 550 825 1,100 Feet

1 inch = 504 feet



Project:
Milledge Village
Road/Glaze Drive

Activity: Ditch
Maintenance

Project #:
2009-100

Township:
Port Royal Island

Completed:
February 2009

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

Date Print: 7/30/09



Stormwater Utility

Project Report

St Helena Island Bush Hog

Project Number: 2009-145

Start Month/Year: May 2008

Completion Month/Year: February 2009

Project Cost: \$37,478

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 80,610 feet of maintenance access and 4,870 feet of roadside ditches within the drainage system on St. Helena Island.

Area Benefited: This project provided routine maintenance for the following areas: Drop Off Center, Warsaw Island Road, Polawana Road, Eddings Point Road, Seaside Road, Tropicana Road, Shiney Road, White Sands Circle, Luther Warren Drive, Ann Fripp Area, Adam Street, Peaches Hill Circle, Scott Hill Road, David Green Road, Storyteller Road, Major Road, Ball Park Road, Ernest Drive, Halifax Drive, Mattis Road, Pineland Avenue, Sea Island Parkway, Airport Road, Faith Memorial Outfall, and others.

Before



During



After





Stormwater Utility

Project Report

Adams Circle

Project Number: 2009-109

Start Month/Year: February 2009

Completion Month/Year: March 2009

Project Cost: \$34,013

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: There were erosion issues in the roadside ditches and at the crossline pipe. Also, the access and easement for the outfall ditch was narrow, preventing the outfall ditch from being routinely cleaned out.

Resolution: This project cleared 200 feet of maintenance access and outfall ditch. The Utility also installed one catch basin, 140 feet of outfall pipe, one access pipe, and 20 feet of roadside pipe. In addition, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project corrected erosion issues and provided drainage for portions of Adams Circle and surrounding properties.

Before



During



After





1 inch = 67 feet



Project:
Adams Circle

Activity: Drainage Improvement

Project #: 2009-109

Township:
Port Royal Island

Completed:
March 2009

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



Stormwater Utility

Project Report

Forest Field Road Outfall

Project Number: 2009-073

Start Month/Year: December 2008

Completion Month/Year: March 2009

Project Cost: \$109,926

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: There was standing and stagnant water in the outfall ditches from Forest Field Road to Quarter Horse Road. In addition, there was flooding of outfall ditches and surrounding properties from Quarter Horse Road to St. Paul's Road.

Resolution: This project mowed 150 feet of outfall ditch and reconstructed 4,960 feet of maintenance access and 5,110 feet of outfall ditch. The Utility also installed eight access pipes and eight property drain pipes to correct elevation. In addition, the Utility cleaned out one catch basin, 90 feet of outfall pipe, and 220 feet of roadside pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project reduced drainage issues within the Forest Field Subdivision. It also provided drainage for portions of Forest Field Subdivision, St. Paul's Road, and Josephine Road.

Before



During



After



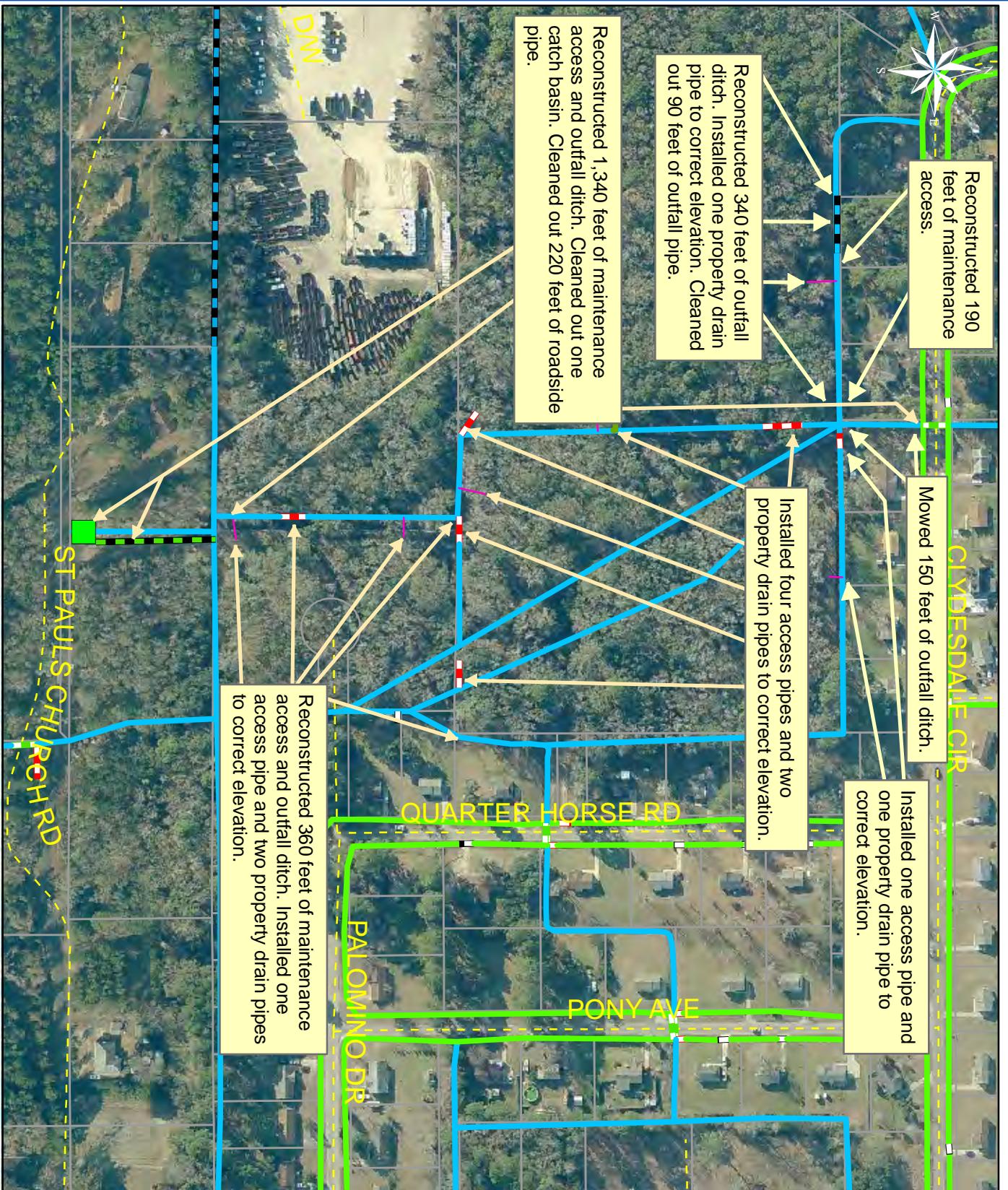
Project:
Forest Field Road
Map 1

Activity: Drainage
Improvement

Project #:
2009-073

Township:
Port Royal Island

Completed:
March 2009



Legend
206

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

Project:
Forest Field Outfall
Map 2

Activity: Drainage
Maintenance

Project #:
2009-073

Township:
Port Royal Island

Completed:
March 2009



Legend

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



Stormwater Utility

Project Report

Lady's Island Bush Hog

Project Number: 2009-25

Start Month/Year: September 2008

Completion Month/Year: March 2009

Project Cost: \$23,451

Tax District: 200 – Lady's Island

Council District: 7

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 32,990 feet of maintenance access, 2,950 feet of outfall ditches, and 3,090 feet of roadside ditches within the drainage system on Lady's Island. This project also swept 1,430 feet of road.

Area Benefited: This project provided routine maintenance for the following areas: Eustis Landing Road, Alumni Road, Fairfield Road, Faculty Drive, Little Capers Road, Chowan Creek Bluff, Hewlett Drive, Airport Circle, Holly Hall Road, Token Lane, Braeburn Lane, Honeysuckle Lane, Winthrop Street, Deveaux Road, Springfield Road, Francis Marion Circle, Brickyard Point Road, Sheppard Lane, Huron Drive, Small Hill Road, and others.

Before



During



After





Stormwater Utility

Project Report

Port Royal Island Bush Hog

Project Number: 2009-001

Start Month/Year: March 2009

Completion Month/Year: March 2009

Project Cost: \$47,623

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 100,500 feet of outfall ditches and 3,070 feet of roadside ditches within the drainage system on Port Royal Island.

Area Benefited: This project provided routine maintenance for the following areas: County Shed Road, Deloach Road, Burton Wells Road, Walker Circle, Audubon Subdivision, Clarendon Road, Shein Loop, Pinewood Circle, Parker Drive, Bay Pines Road, Providence Road, Powell Drive, Forest Field Subdivision, Pine Grove Road, Brilliant Lane, Hale Drive, Leo Green Road, Roseida Road, Poppy Hill Road, Mroz Road, Lawson Road, Lambert Outfall, Salem Drive, Irongate Subdivision, John Davis Court, Mulrain Road, and others.

Before



During



After





Stormwater Utility

Project Report

L.H. Nelson Drive/Hale Drive

Project Number: 2009-114

Start Month/Year: January 2009

Completion Month/Year: April 2009

Project Cost: \$60,592

Tax District: 100 – Port Royal Island

Council District: 9

Drainage/Water Quality Issue: During rain events, there was road flooding of L.H. Nelson Drive.

Resolution: This project cleared 250 feet of maintenance access, and cleaned out 1,590 feet of outfall ditch and 3,350 feet of roadside ditch. The Utility also installed twin crossline pipes, twin access pipes, one access pipe, upsized one driveway pipe, replaced four driveway pipes, and reinstalled one access pipe to the correct elevation. Additionally, the Utility repaired a washout and installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Hale Drive, Grant Street, and Jay Street and portions of L. H. Nelson Drive, Jefferson Drive, and Savannah Highway. The project also provided drainage for the surrounding properties.

Before



During



After





1 inch = 375 feet

Project:
L.H. Nelson Drive
and Hale Drive
Map 1

Activity: Ditch
Maintenance

Project #:
2009-114

Township:
Port Royal Island

Completed:
April 2009

Legend

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

Date Print: 3/30/10



Cleaned out 480 feet of roadside ditch. Re-installed one access pipe to correct elevation. Repaired a washout. Installed stones for stabilization.

Cleaned out 840 feet of outfall ditch.

Cleaned out 80 feet of roadside ditch.

Cleaned out 340 feet of roadside ditch.



1 inch = 225 feet

Project:
L.H. Nelson Drive
and Hale Drive
Map 2

Activity: Ditch
Maintenance

Project #:
2009-114

Township:
Port Royal Island

Completed:
April 2009

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

Date Print: 3/30/10



Stormwater Utility

Project Report

Royal Pines Subdivision Phase I

Project Number: 2009-116

Start Month/Year: March 2009

Completion Month/Year: April 2009

Project Cost: \$36,205

Tax District: 200 – Lady's Island

Council District: 7

Drainage/Water Quality Issue: The access and easement for the drainage system was narrow and thus preventing the outfall ditch from being routinely cleaned out.

Resolution: This project mowed 450 feet of outfall ditch and maintenance access. The Utility also installed 260 feet of outfall pipe, two access pipes, and extended one driveway pipe. Additionally, the Utility repaired two washouts and installed stones and grass for stabilization.

Area Benefited: This project provided drainage for portions of Thomas Sumpter Road and surrounding properties.

Before

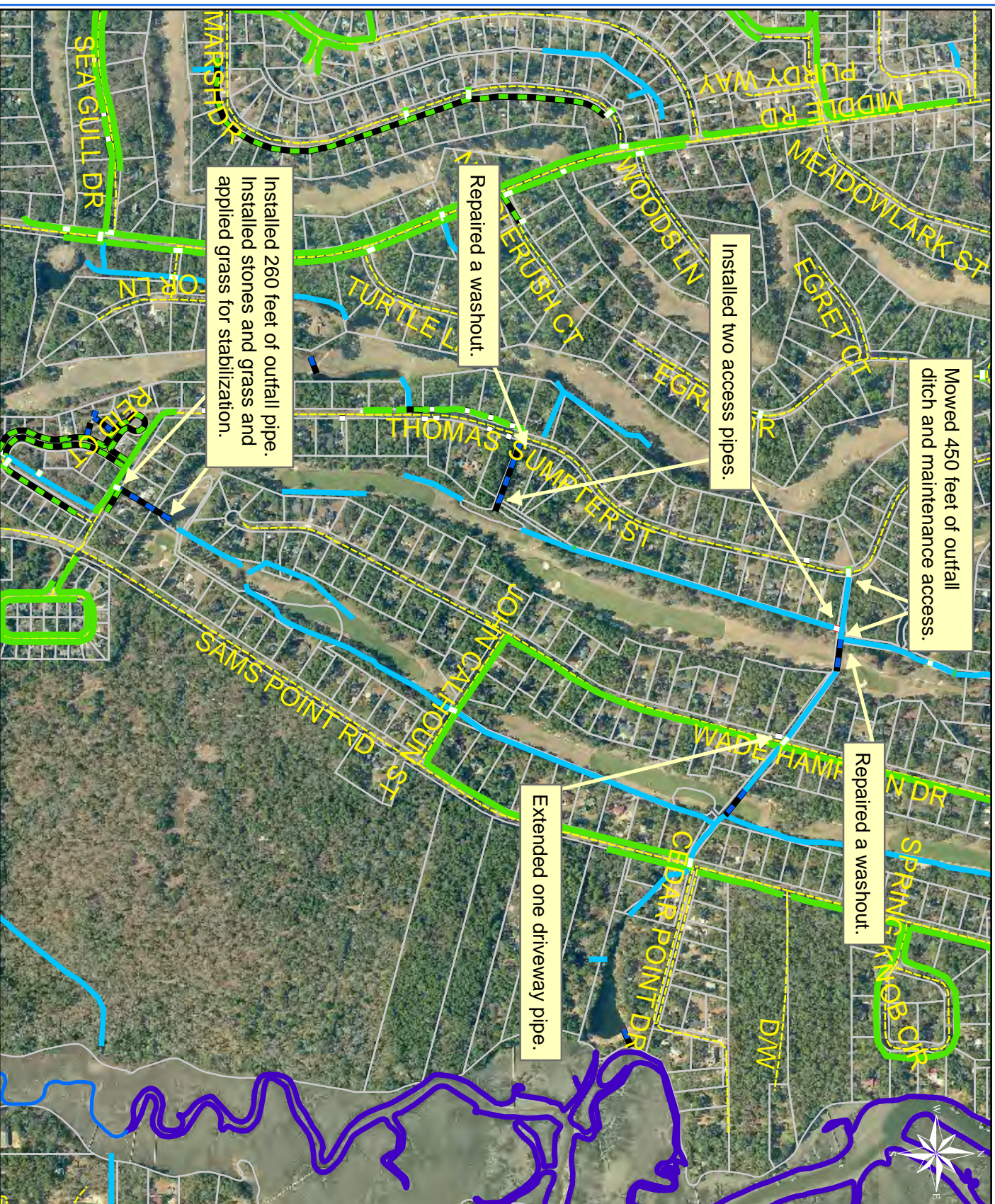


During



After





Project:
 Royal Pines
 Subdivision Phase I

Activity: Drainage
 Maintenance

Project #:
 2009-116

Township:
 Lady's Island

Completed:
 April 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

City of Beaufort - Battery Shores Phase I & II

Project Number: 2009-110

Start Month/Year: May 2009

Completion Month/Year: May 2009

Project Cost: \$63,484

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 reconstructed the pond, upsized one crossline pipe, installed one catch basin, upsized 180 feet of outfall pipe, and extended 40 feet of outfall pipe. The Utility also installed grass, straw mat, stones, and applied grass for stabilization.

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

Before

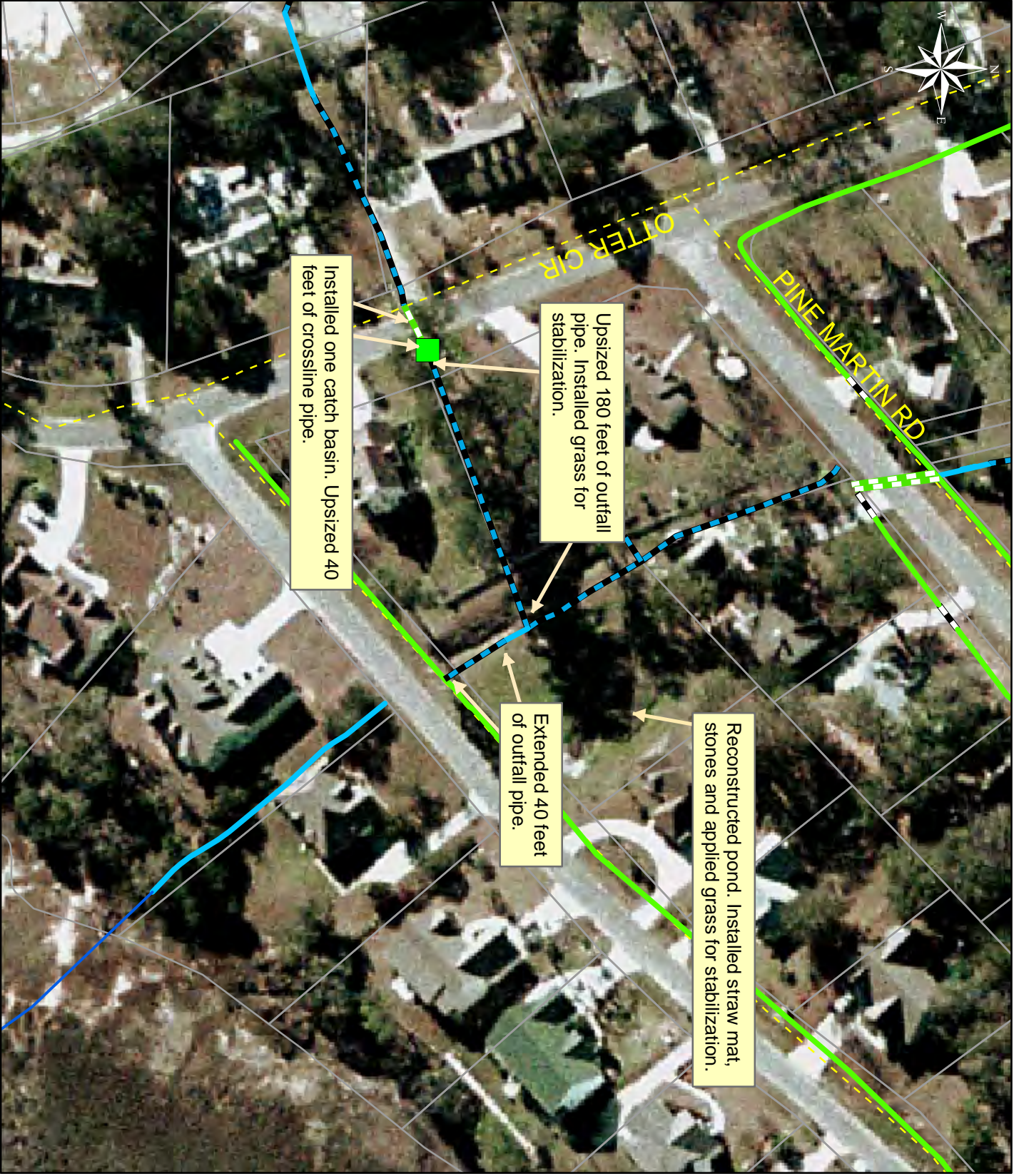


During



After





Installed one catch basin. Upsized 40 feet of crossline pipe.

Upsized 180 feet of outfall pipe. Installed grass for stabilization.

Extended 40 feet of outfall pipe.

Reconstructed pond. Installed straw mat, stones and applied grass for stabilization.



1 inch = 96 feet

Project:
City of Beaufort -
Battery Shores
Phase I & II

Activity: Drainage
Maintenance

Project #:
2009-110

Township: City
of Beaufort

Completed:
May 2009

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

Date Print: 6/25/09



Stormwater Utility

Project Report

St. Helena Island Bush Hog

Project Number: 2009-152

Start Month/Year: April 2009

Completion Month/Year: May 2009

Project Cost: \$28,698

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 50,740 feet of outfall ditches and 5,010 feet of roadside ditches within the drainage system on St. Helena Island.

Area Benefited: This project provided routine maintenance for the following areas: Scott Hall Road, Peaches Hill Circle, David Green Road, Capers Island Circle, No Man Land Road, Bridgewood Road, Storyteller Road, James Washington Road, Orange Grove Road, Faith Memorial Church, Penn Center, Queen Road, Ernest Drive, St Helena Park, Halifax Road, Toomer Road, Tombee Road, Kelis Lane, Ann Fripp Community, Cee Cee Road, Seaside Road, White Sand, and the Sea Island Parkway.

Before



During



After





Stormwater Utility

Project Report

Capehart Circle

Project Number: 2009-003

Start Month/Year: March 2009

Completion Month/Year: June 2009

Project Cost: \$70,048

Tax District: 100 - Port Royal Island

Council District: 6

Drainage/Water Quality Issue: There was flooding of adjacent properties and standing water in the roadside and outfall ditches. This was a joint project with the Marine Corps Air Station.

Resolution: This project cleared 420 feet of outfall ditch and maintenance access, cleaned out 400 feet of outfall ditch and maintenance access, and cleaned out 6,070 feet of roadside ditch. The Utility also installed two access pipes, two driveway pipes, upsized 20 feet of outfall pipe, and reinstalled one driveway pipe to correct elevation. Additionally, the Utility cleaned out fifty-nine driveway pipes, seven crossline pipes, one access pipe, 100 feet of outfall pipe, and 50 feet of roadside pipe. Lastly, the Utility installed stones and applied grass for stabilization.

Area Benefited: This project alleviated flooding and provided drainage for Capehart Circle, Capehart Drive, Capehart Lane, and portions of Mroz Road and surrounding properties.

Before



During



After



Cleared 170 feet of outfall ditch and maintenance access. Cleaned out 150 feet of outfall ditch and maintenance access.

Installed one access pipe. Installed stones and applied grass for stabilization.

Cleaned out three crossline pipes.

Cleaned out fifty-nine driveway pipes.

Reinstalled one driveway pipe to correct elevation.

Cleaned out two crossline pipes.

Cleaned out one crossline pipe.

Installed two driveway pipes.

Cleaned out 50 feet of roadside pipe.

Cleaned out one crossline pipe.

Installed and cleaned out one access pipe.

Cleared and cleaned out 250 feet of outfall ditch and maintenance access.



Project:
Capehart Circle
Map 1

Activity: Drainage
Maintenance

Project #:
2009-003

Township:
Port Royal Island

Completed:
June 2009

Legend

Drainage Type

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



1 inch = 193 feet

Date Print: 7/15/09



Cleaned out 250 feet of roadside ditch.

Cleaned out 1,330 feet of roadside ditch.

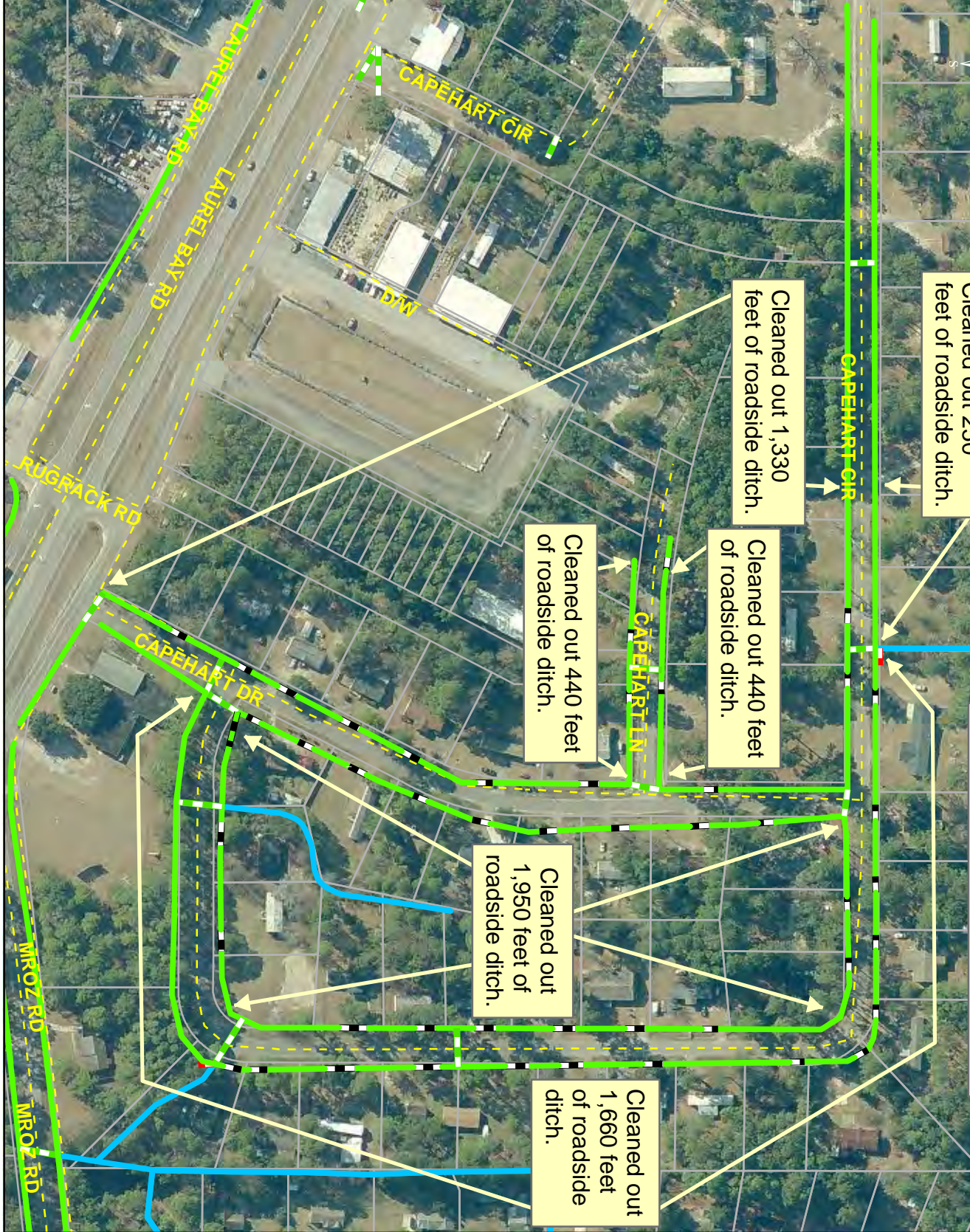
Cleaned out 440 feet of roadside ditch.

Cleaned out 440 feet of roadside ditch.

Cleaned out 1,950 feet of roadside ditch.

Cleaned out 1,660 feet of roadside ditch.

Cleaned out 100 feet of outfall pipe. Upsized 20 feet of outfall pipe to correct elevation.



1 inch = 205 feet

Project:
Capehart Circle
Map 2

Activity: Drainage
Maintenance

Project #:
2009-003

Township:
Port Royal Island

Completed:
June 2009

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

Date Print: 7/15/09



Stormwater Utility

Project Report

St. Helena Island Bush Hog

Project Number: 2009-132

Start Month/Year: June 2009

Completion Month/Year: June 2009

Project Cost: \$20,389

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 32,760 feet of outfall ditches and 2,910 feet of roadside ditches within the drainage system on St. Helena Island.

Area Benefited: This project provided routine maintenance for the following areas: Shiney Road, Seaside Road, Tropicana Road, Simmons Road, John Fripp Circle, Eddings Point Road, Mary Jenkins Circle, Polowana Road, Sea Island Parkway Drop-off Center, Mattis Drive, James Grant, Warsaw Road, Chowan Creek Bluff, Eustis Landing Road, Gardner Road, J.B. Lane, Major Road, and Luther Warren Road.

Before



During



After





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

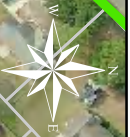


During



After





BLACKSMITH CIR

MEGNON LN

GRACKLE LN

PELICAN CIR

MROZ RD

Cleaned out 900 feet of roadside ditch.

Installed one property drain pipe.

Cleaned out 900 feet of roadside ditch.

Mowed 70 feet of roadside ditch.

Cleaned out 1,490 feet of roadside ditch.

Cleaned out 990 feet of roadside ditch.

Cleaned out 450 feet of roadside ditch.

Installed 290 feet of outfall pipe.

Cleaned out 610 feet of roadside ditch.

Installed one catch basin.

Repaired two washouts.

Cleaned out 490 feet of roadside ditch. Cleaned and cleaned out 110 feet of outfall ditch.

Repaired two crossline pipes.

Installed two access pipes.

Installed 10 feet of roadside pipe.

Cleaned out 800 feet of roadside ditch.

0 125 250 Feet

1 inch = 170 feet

Project:
Audubon Woods
Subdivision
Ph I and II

Activity: Drainage
Improvement

Project#:
2008-105

Township:
Port Royal Island

Completed :
July 2009

Legend

Drainage Type

- 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)

Print Date: 3/3/10



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

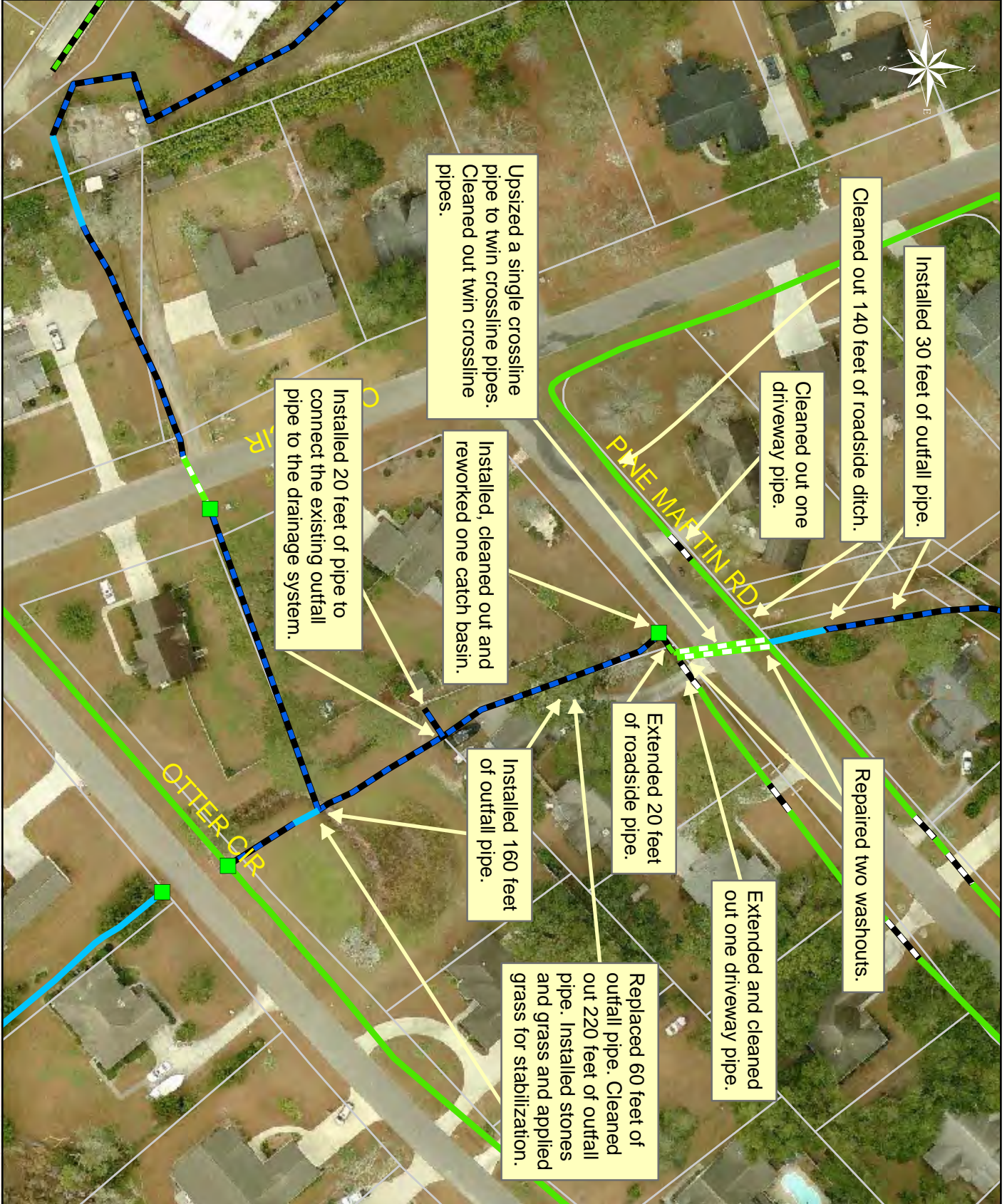


During



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.

Cleaned out one crossline pipe.

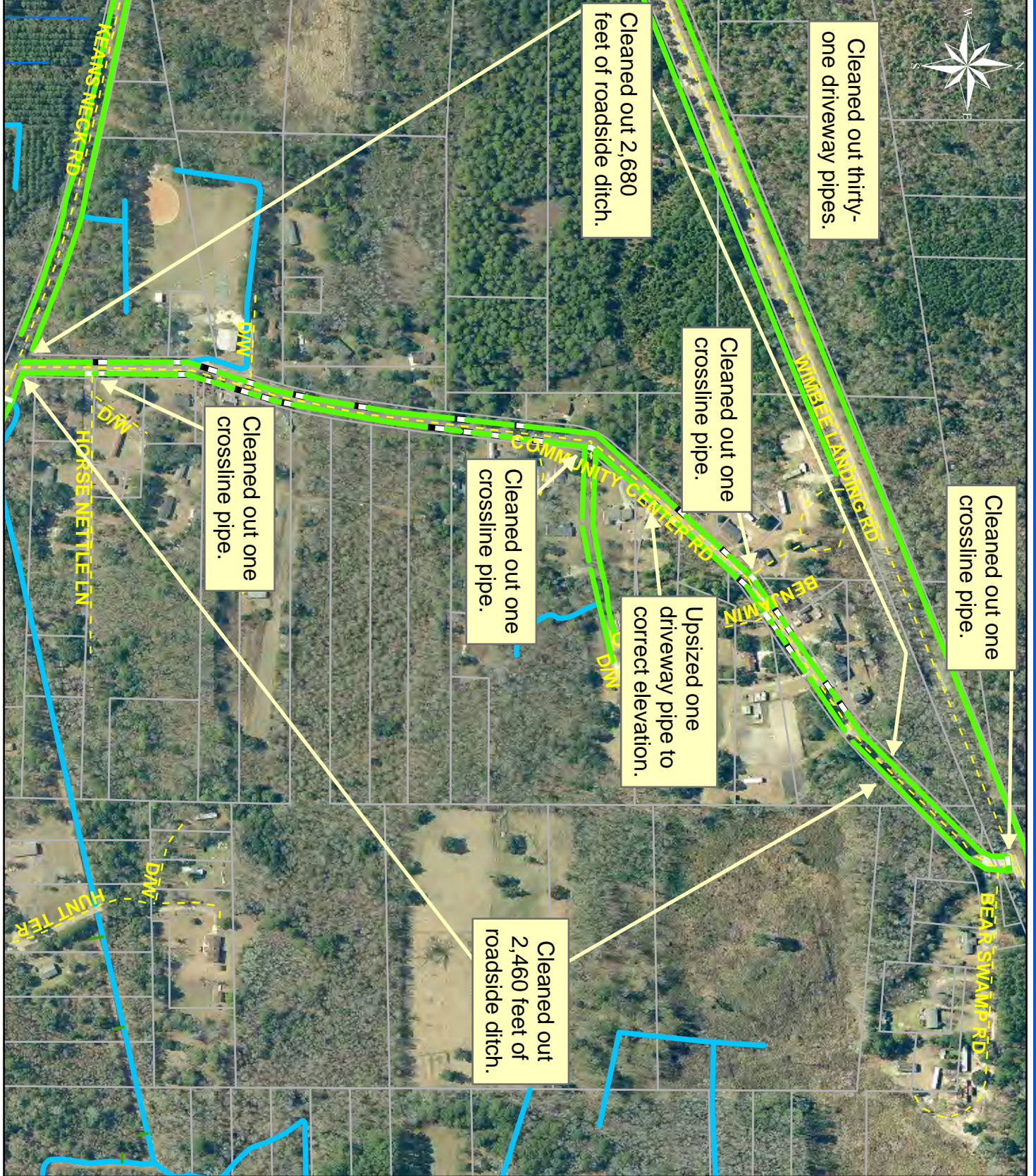
Upsized one driveway pipe to correct elevation.

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

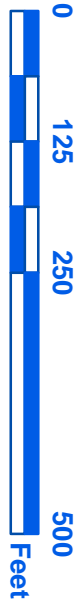


During



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

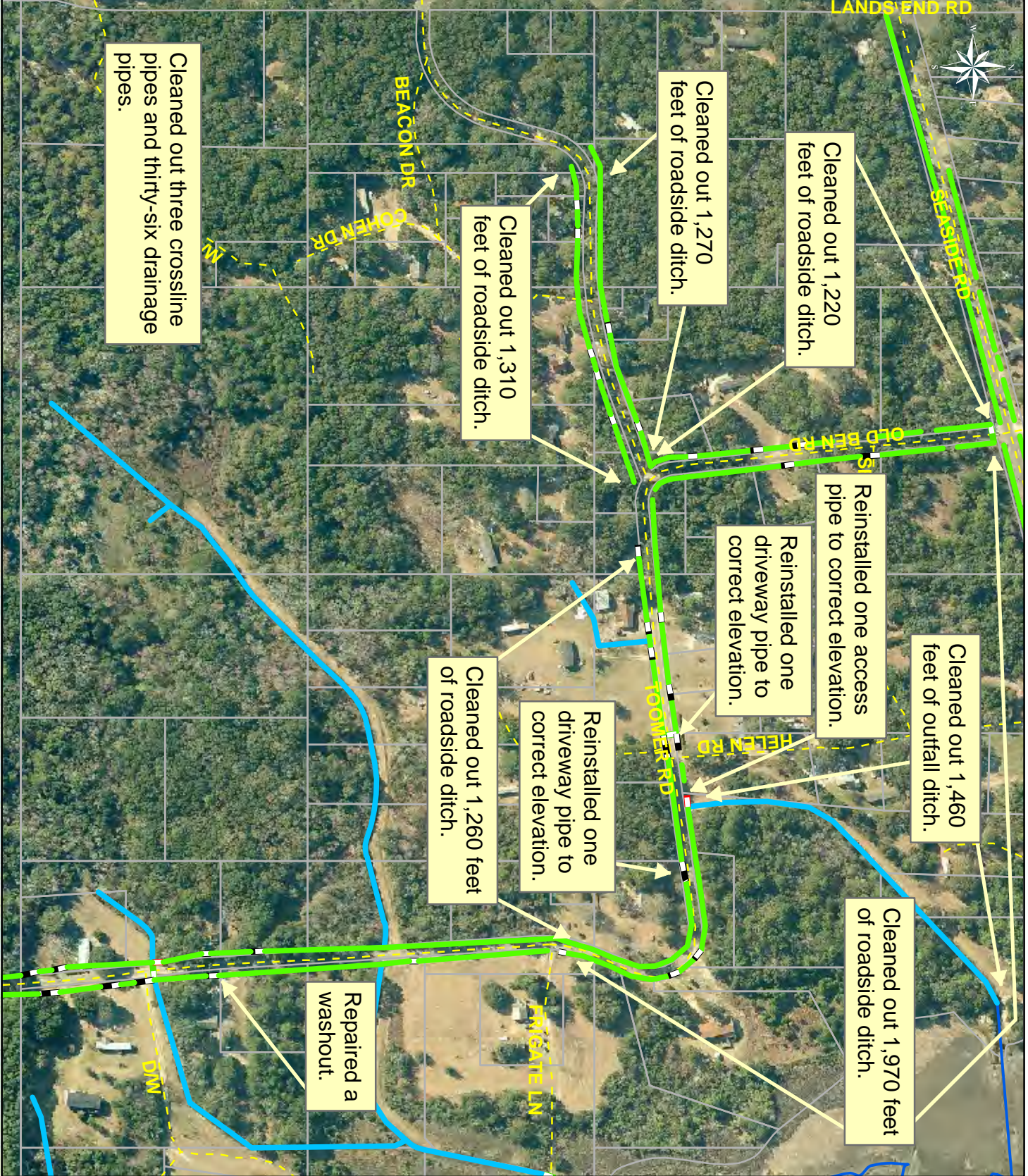


During



After





1 inch = 311 feet

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

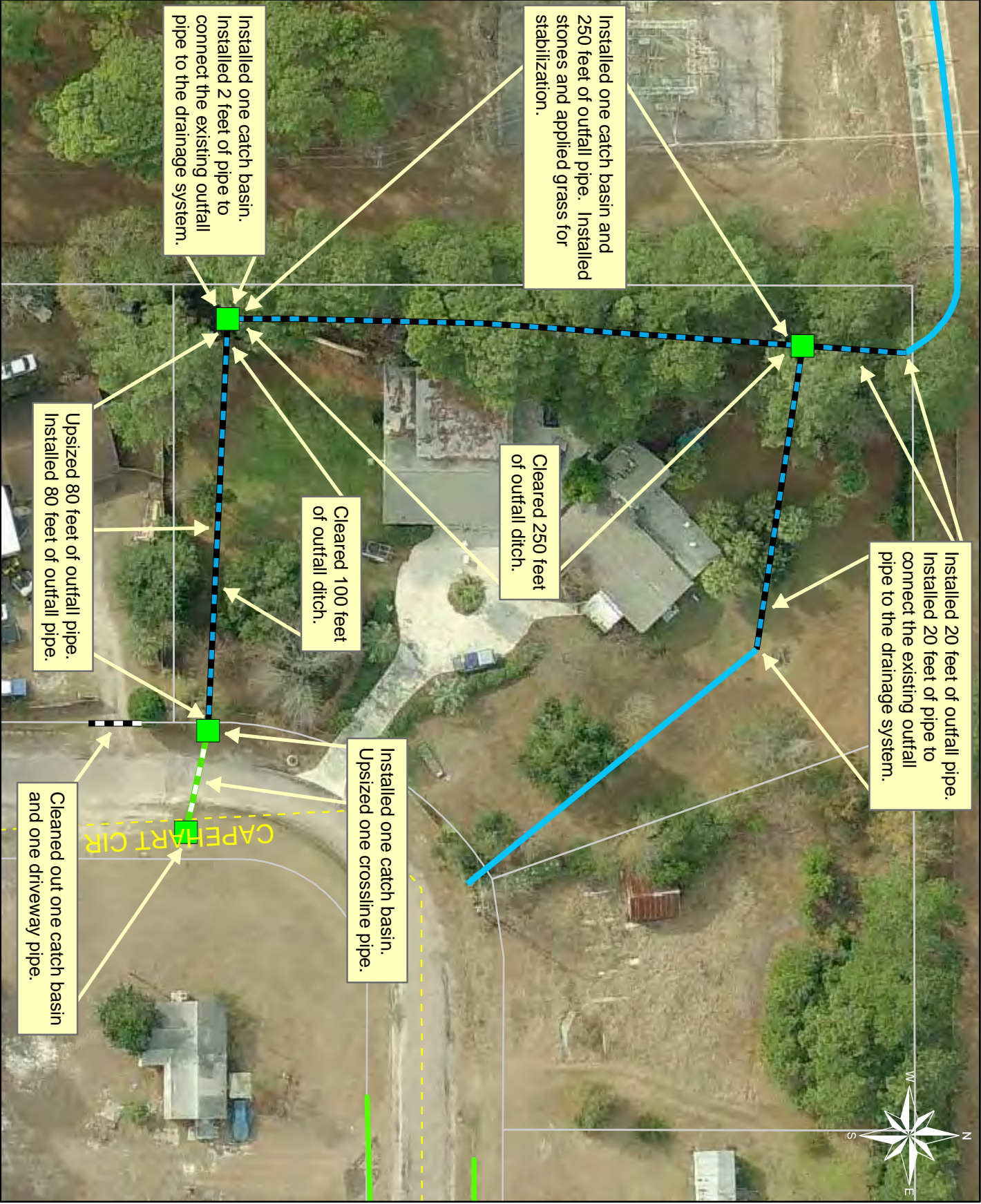


During



After





Installed one catch basin and 250 feet of outfall pipe. Installed stones and applied grass for stabilization.

Installed one catch basin. Installed 2 feet of pipe to connect the existing outfall pipe to the drainage system.

Installed 20 feet of outfall pipe. Installed 20 feet of pipe to connect the existing outfall pipe to the drainage system.

Cleared 250 feet of outfall ditch.

Cleared 100 feet of outfall ditch.

Upsized 80 feet of outfall pipe. Installed 80 feet of outfall pipe.

Installed one catch basin. Upsized one crossline pipe.

Cleaned out one catch basin and one driveway pipe.

Project: Capehart Circle Phase II

Activity: Drainage Improvement

Project #: 2010-001

Township: Port Royal Island

Completed: August 2009

Legend

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



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.

Cleaned 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





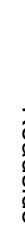




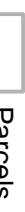
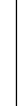
Project #:
2003-075

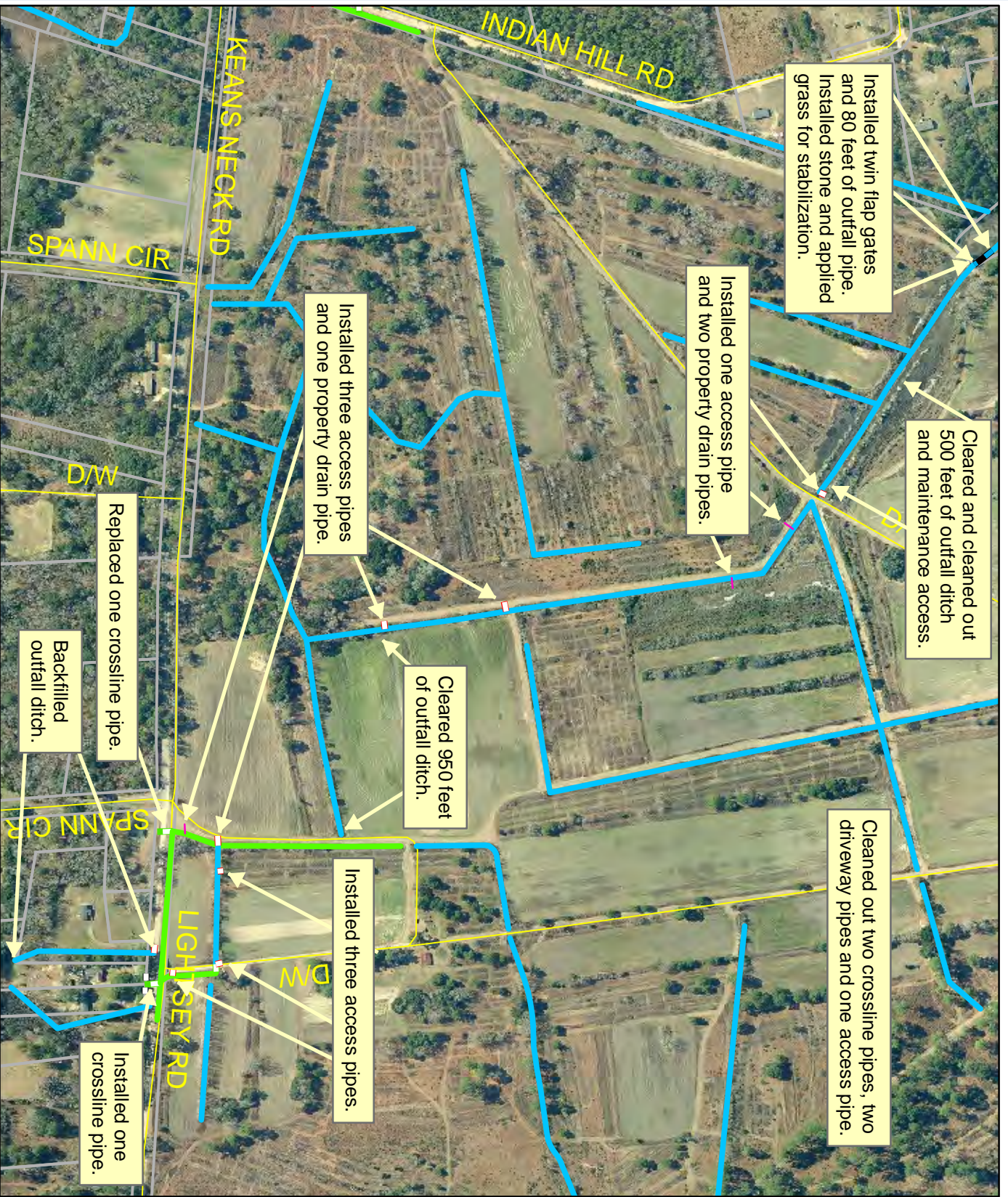
Township:
Sheldon

Completed:
September 2009

Legend

Drainage Type

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



1 inch = 473 feet

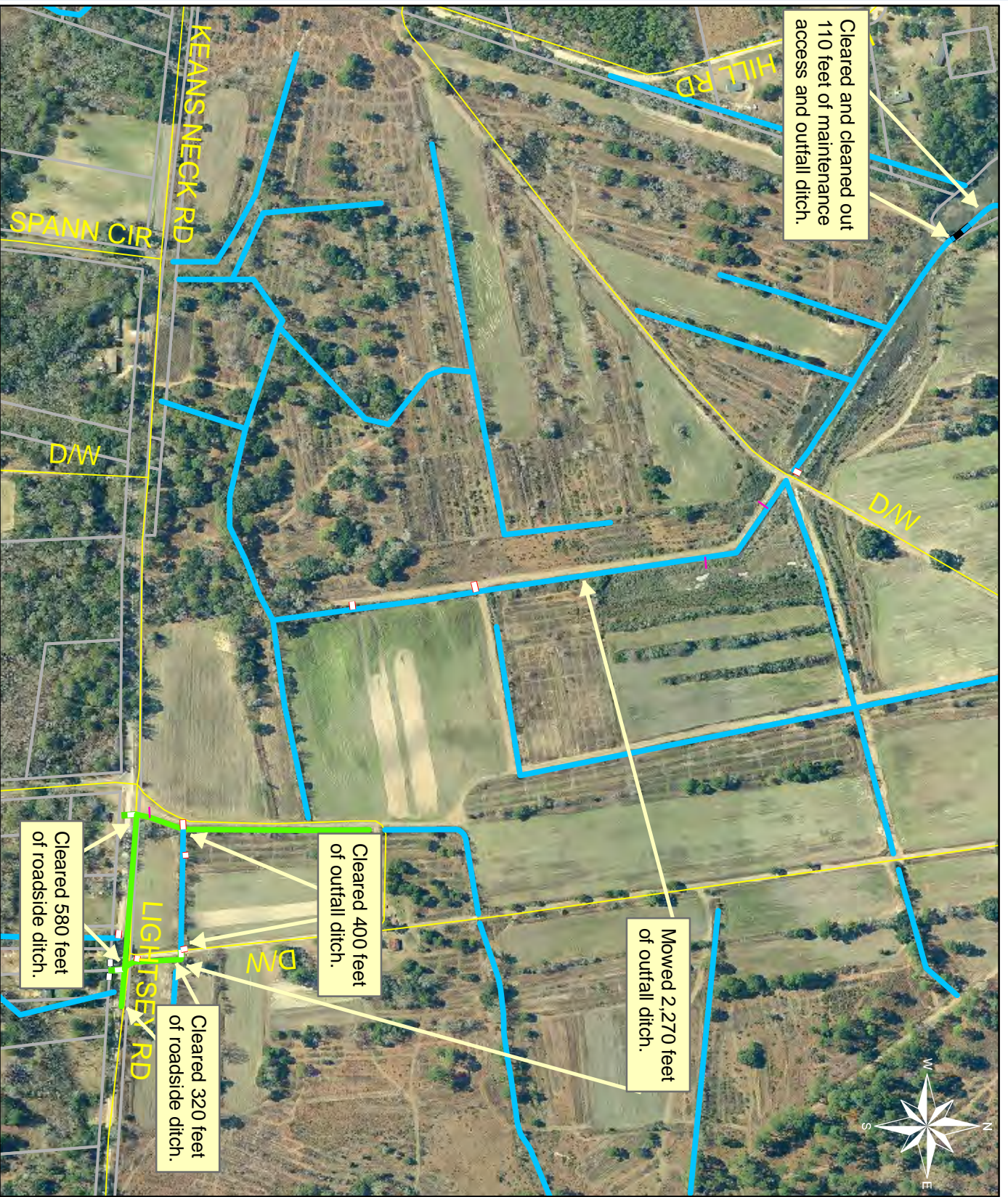
Project:
Lightsey Road
Map 2

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

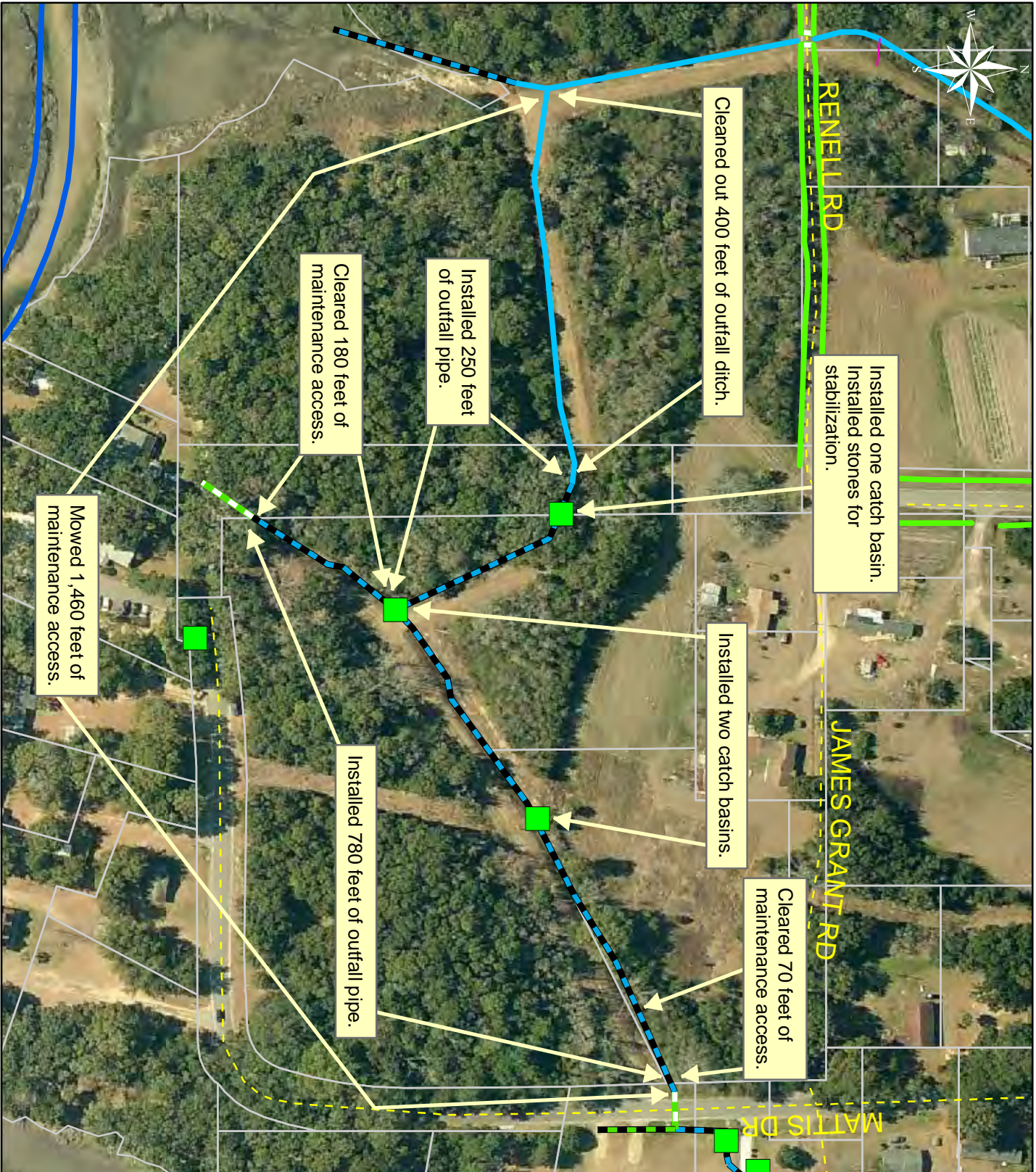


During



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

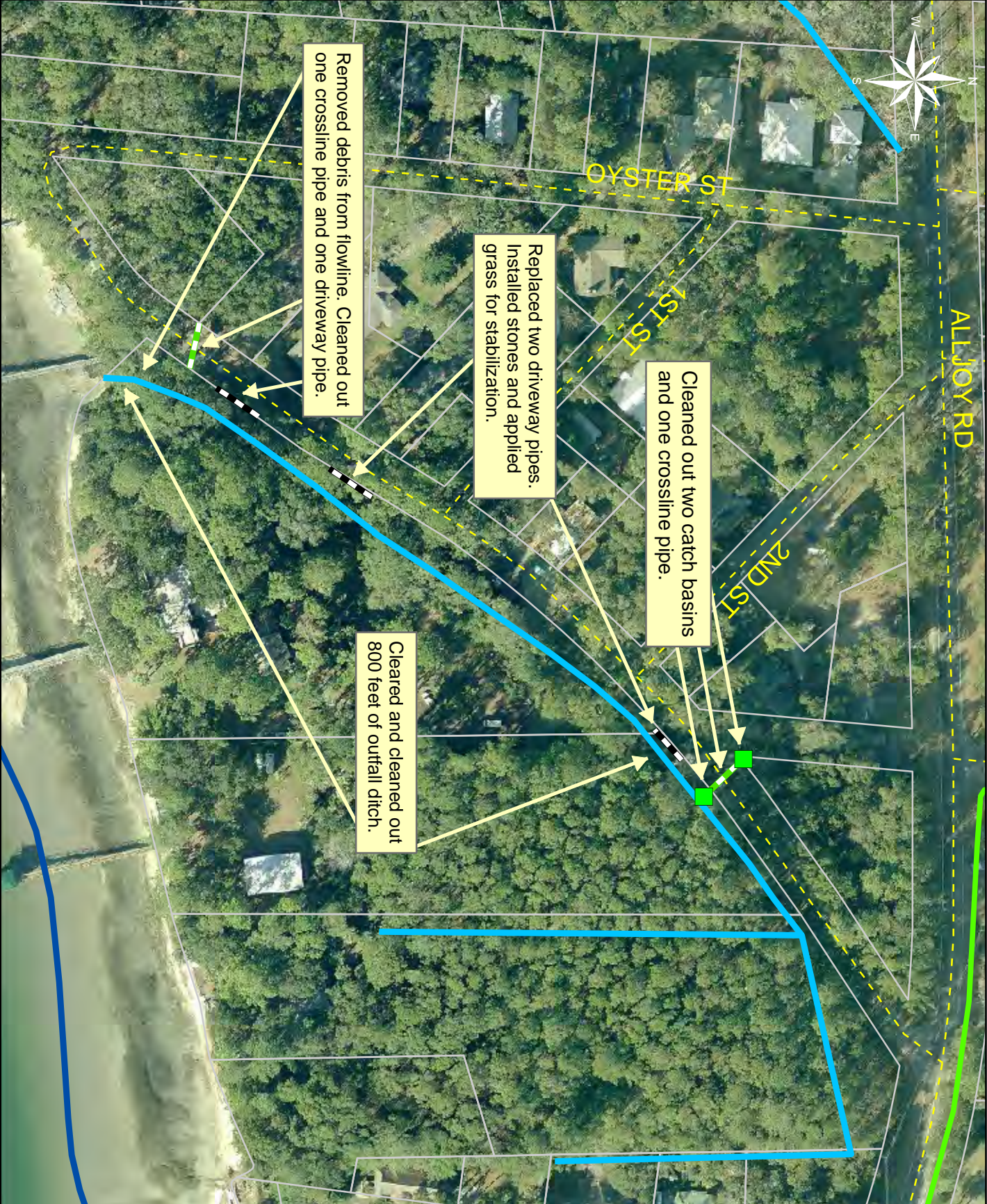
Activity: Drainage
Maintenance

Project #:
2009-135

Township:
Bluffton

Completed:
September 2009

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



0 37.5 75 150 225 300 Feet

1 inch = 124 feet

Date Print: 8/30/10



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

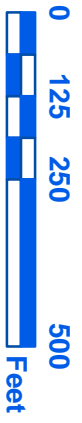
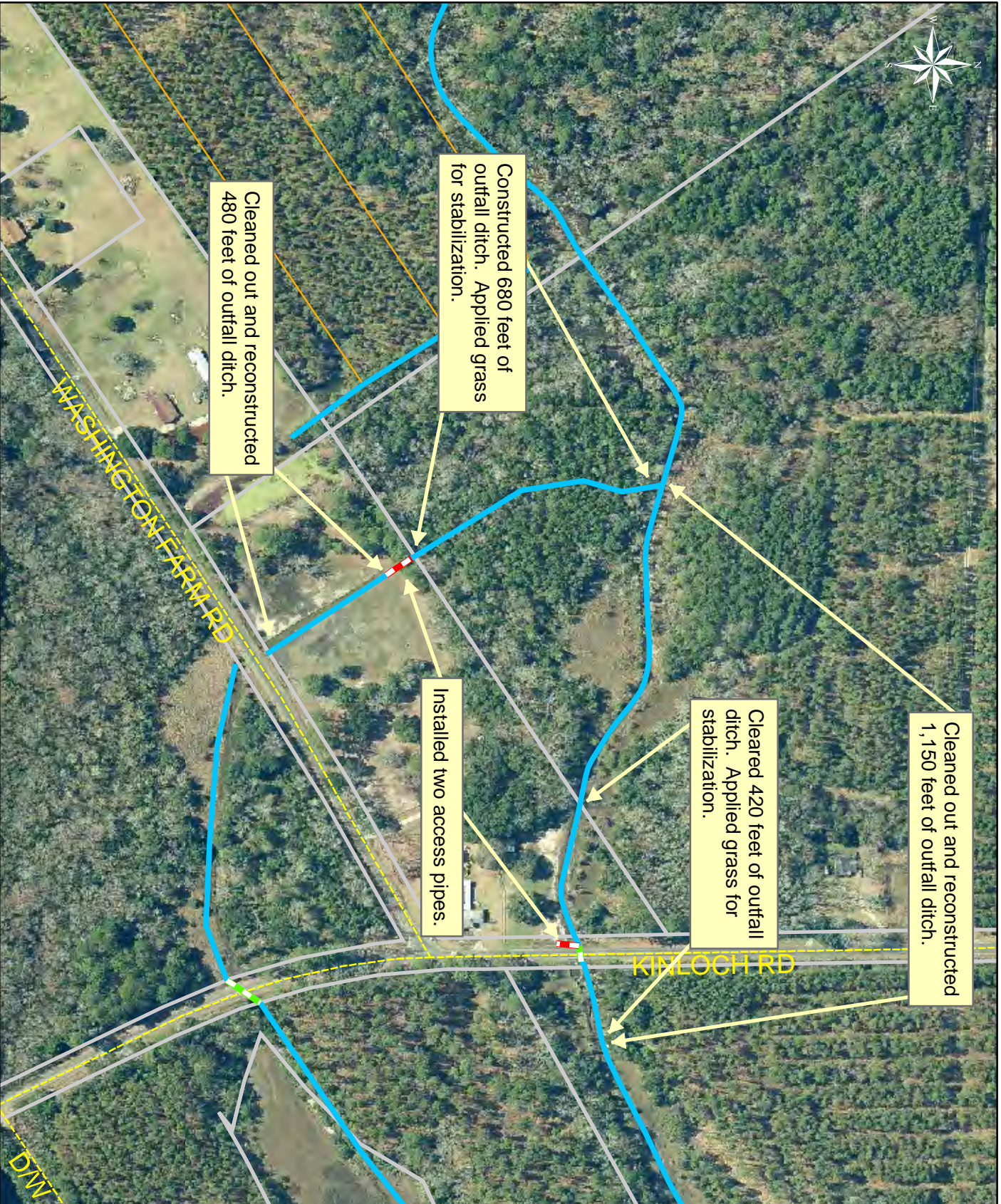


During



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

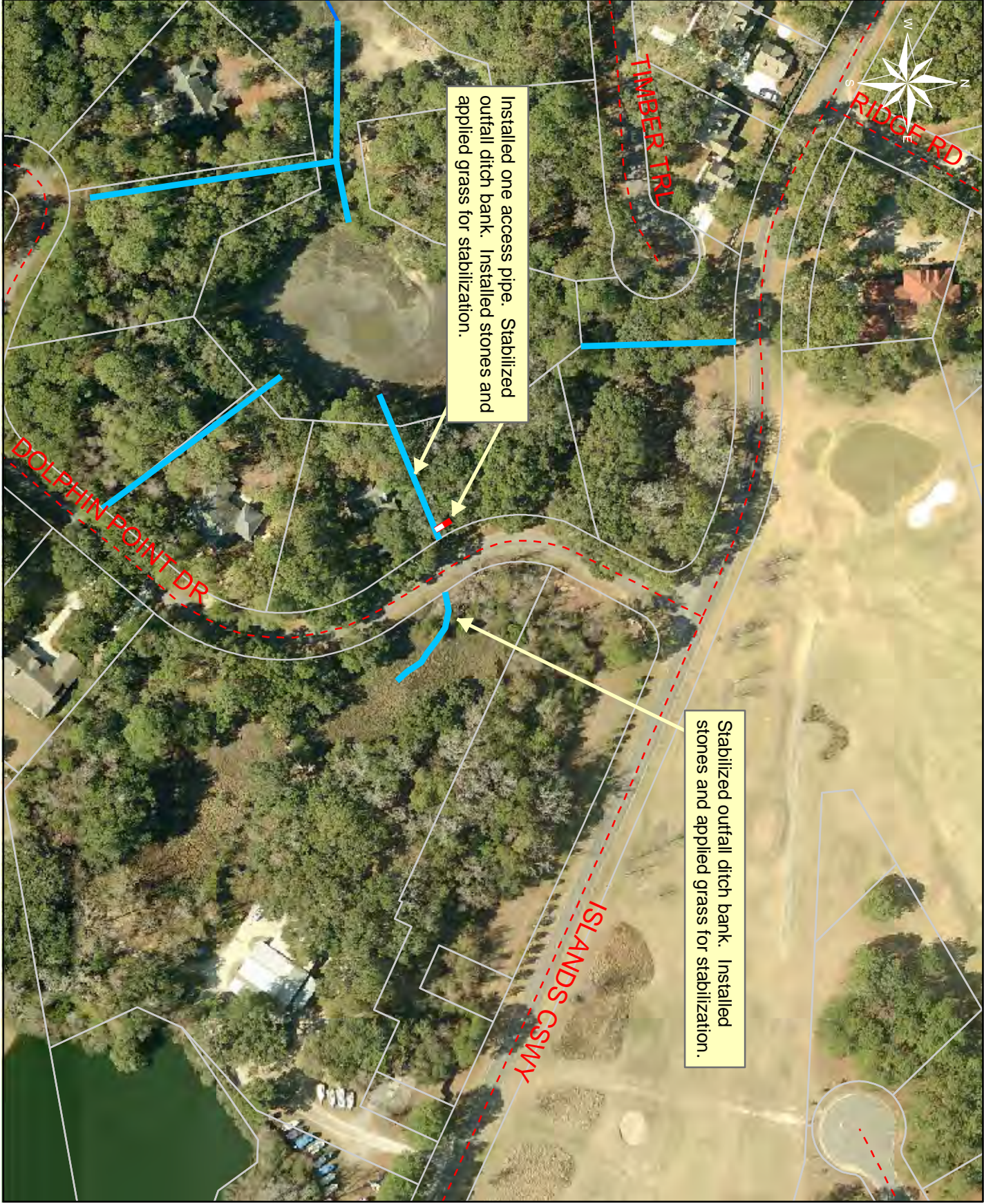


During



After





1 inch = 142 feet

Legend

249

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

Date Print: 5/5/10

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





0 37.5 75 150 225 300 Feet

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

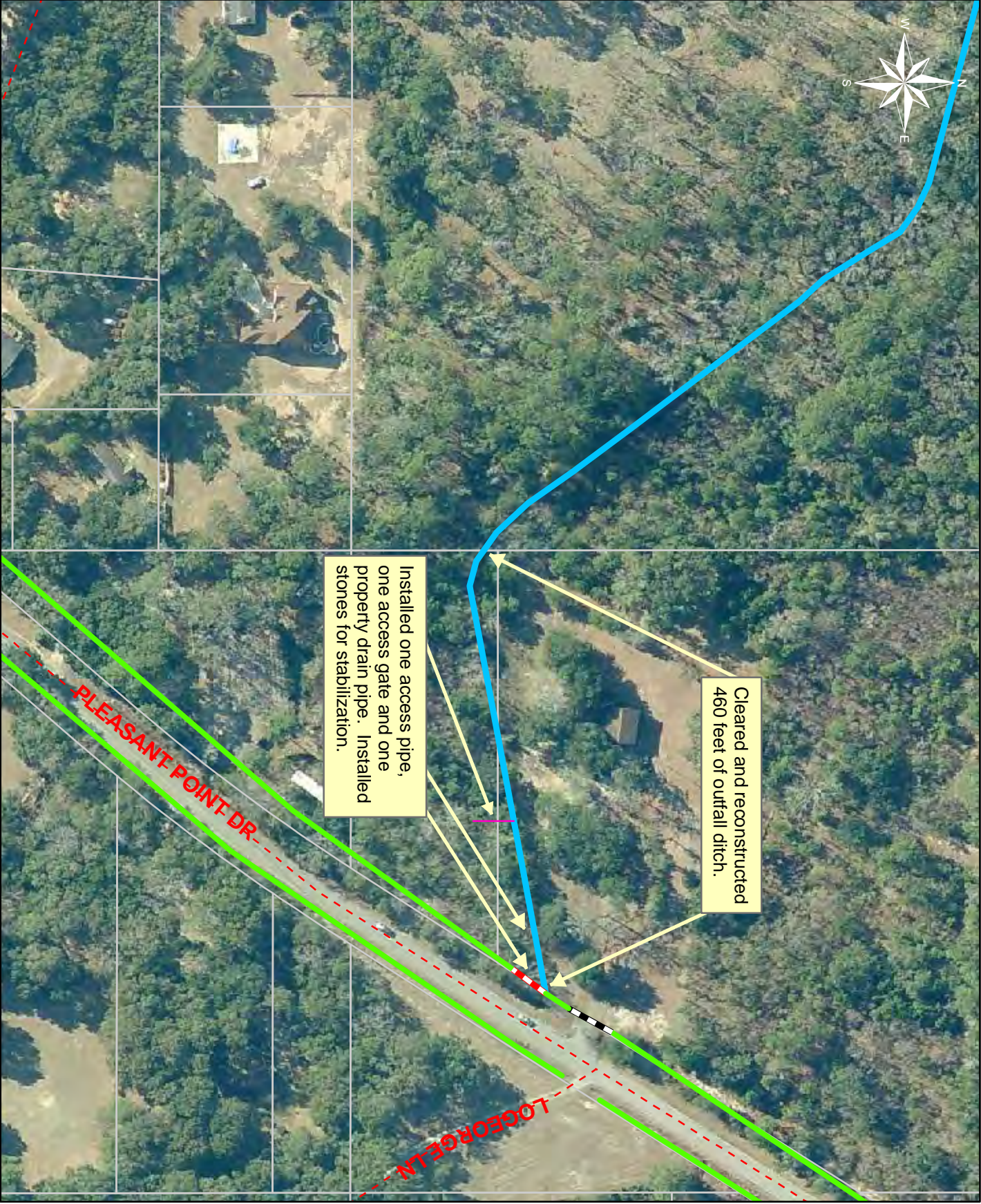


During



After





1 inch = 136 feet

Project:
Pleasant Point
Drive Outfall

Activity: Drainage
Maintenance

Project #:
2006-30

Township:
Lady's Island

Completed:
October 2010

Legend 253

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

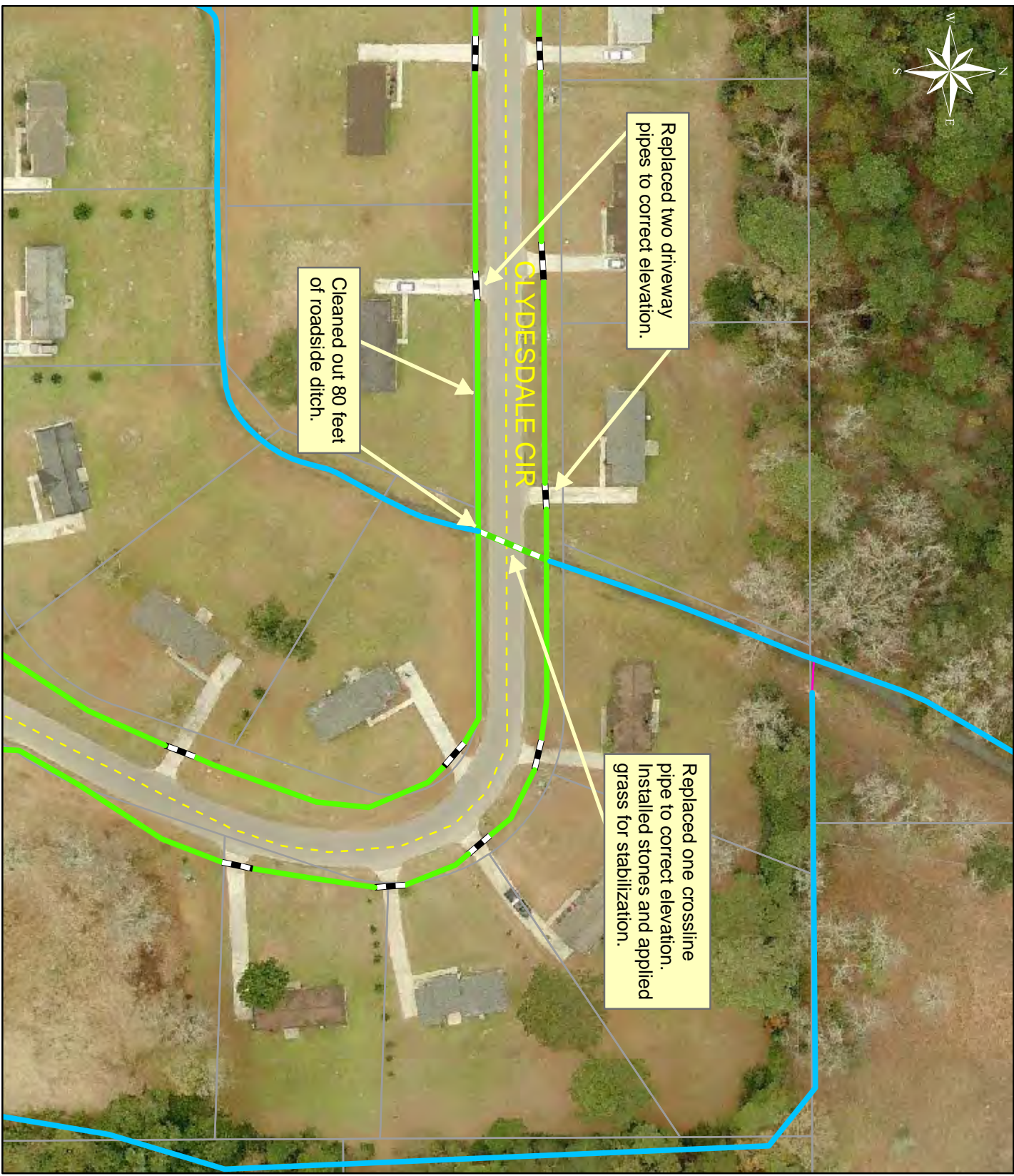


During



After





1 inch = 78 feet

Project:
Forrest Field
Subdivision -
Clydesdale Circle

Activity: Ditch
Maintenance

Project #:
2010-083

Township:
Port Royal Island

Completed:
November 2009

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



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.

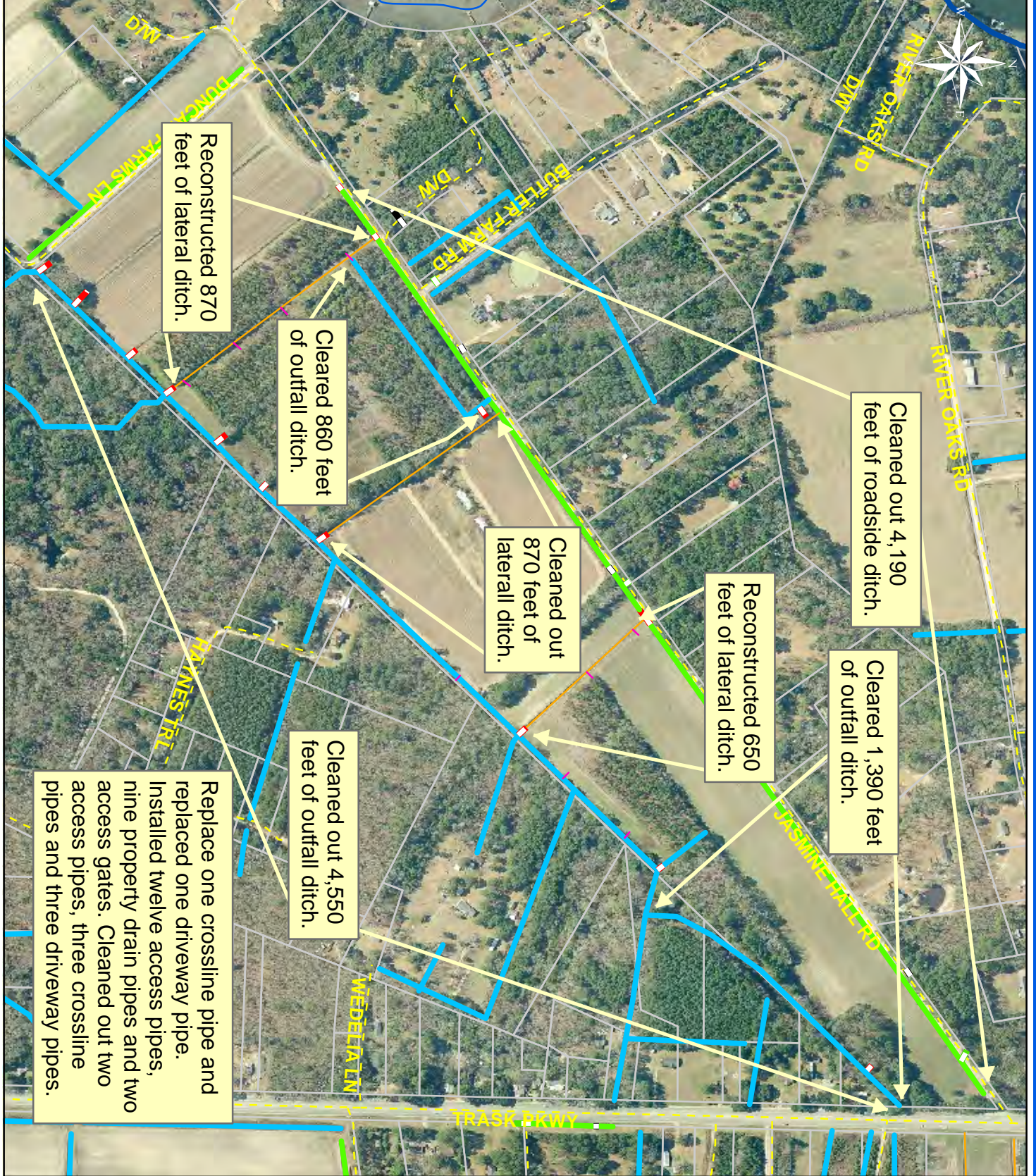
Reconstructed 650 feet of lateral ditch.

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



1 inch = 105 feet

Project:
Halifax Drive

Activity: Drainage
Maintenance

Project #:
2010-089

Township:
St. Helena Island

Completed:
December 2009

Legend

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



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

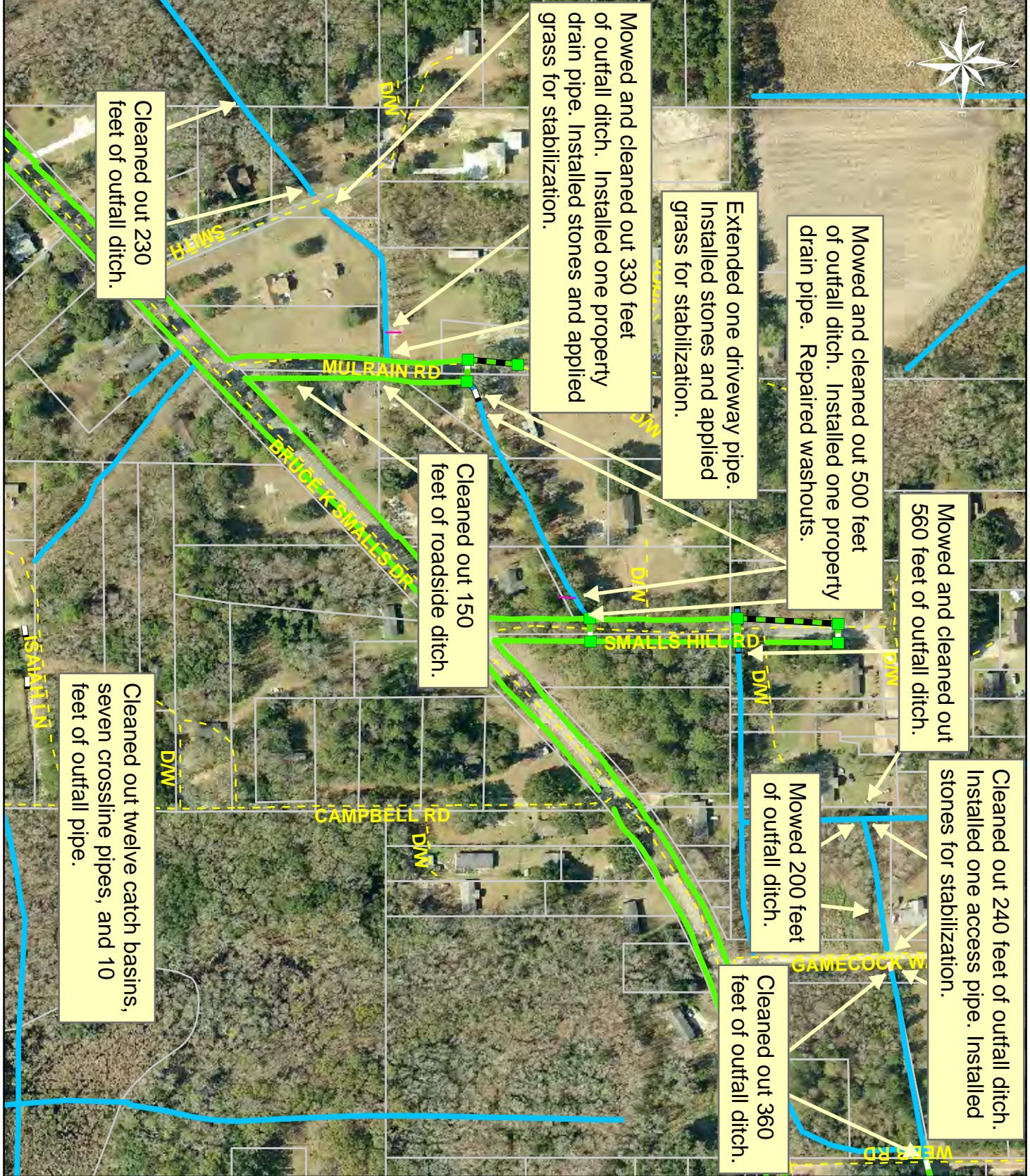


After





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

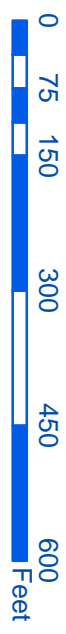


During

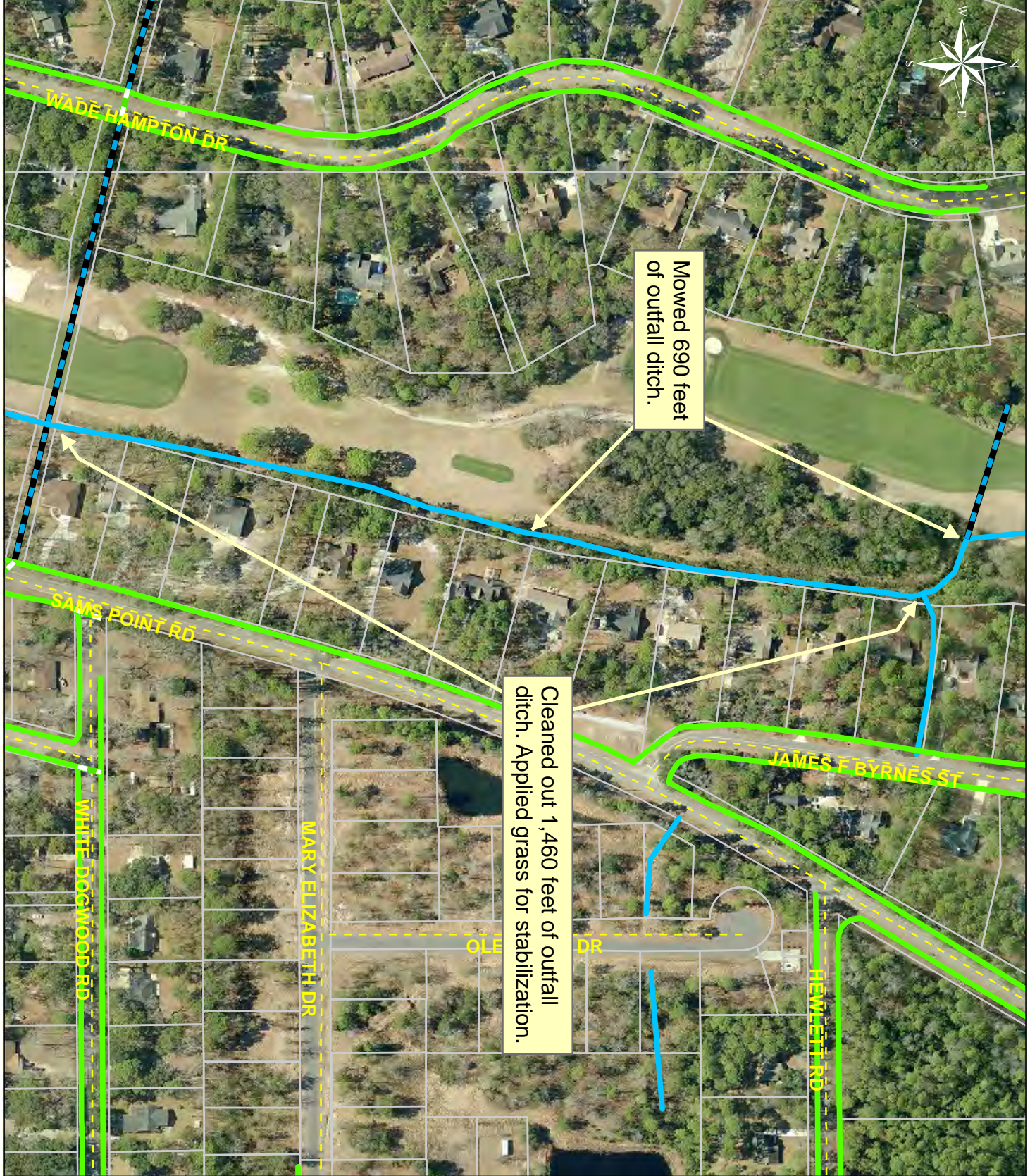


After





1 inch = 214 feet



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

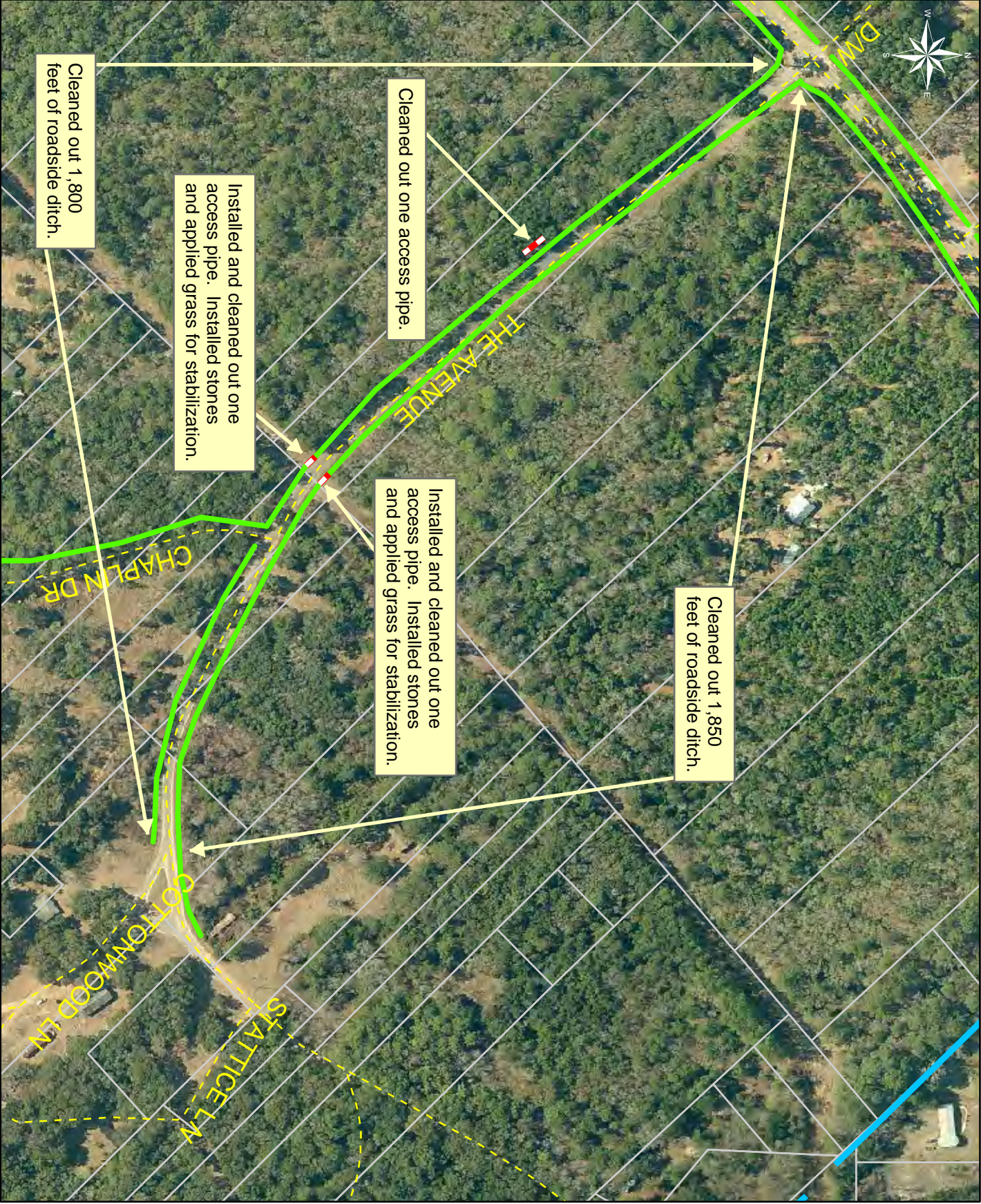


During



After





1 inch = 241 feet

Project:
The Avenue
Activity: Drainage Maintenance

Project #:
2009-105

Township:
St. Helena Island

Completed:
February 2010

Legend

Symbol	Drainage Type
	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

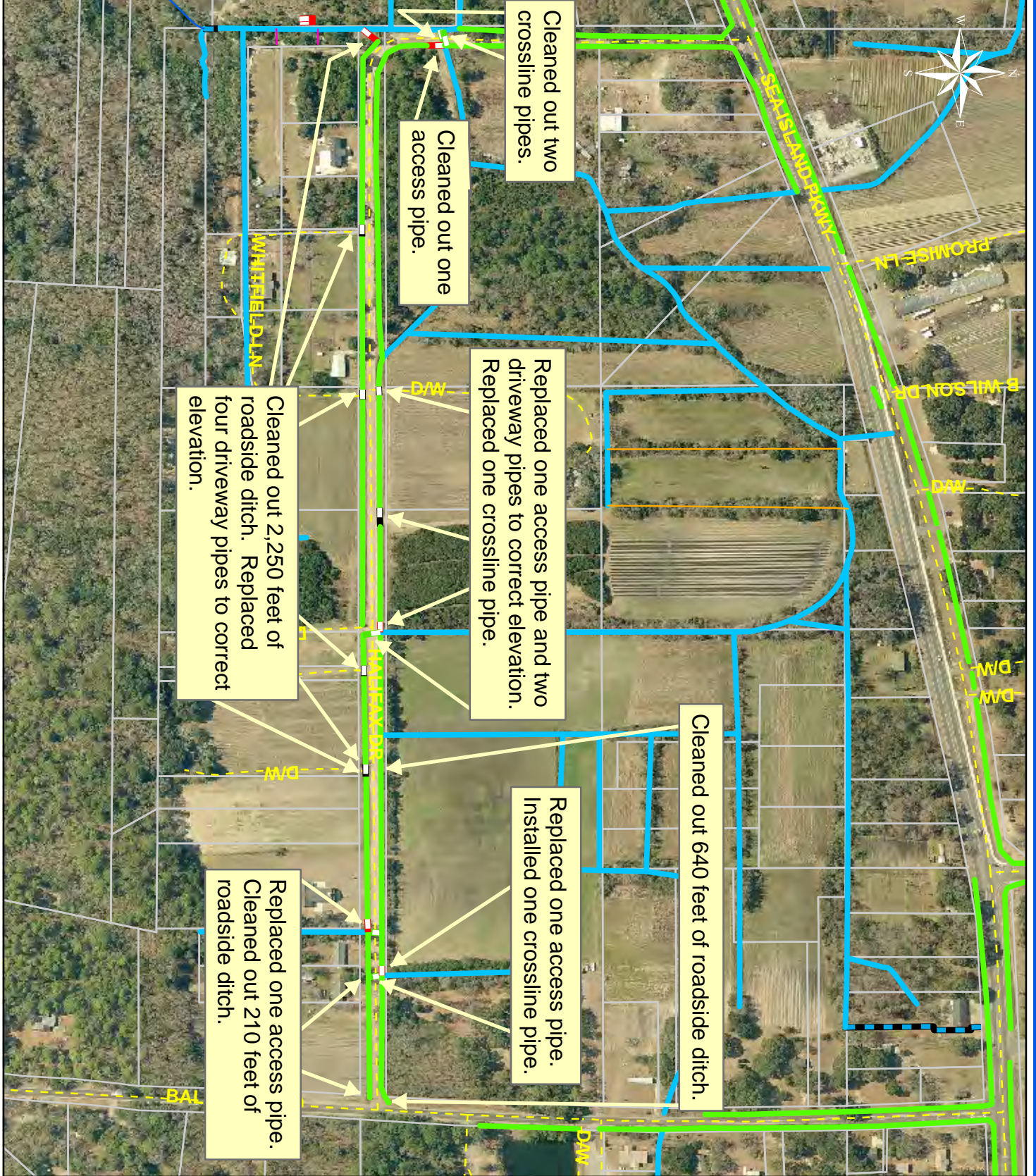


During



After





1 inch = 367 feet

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

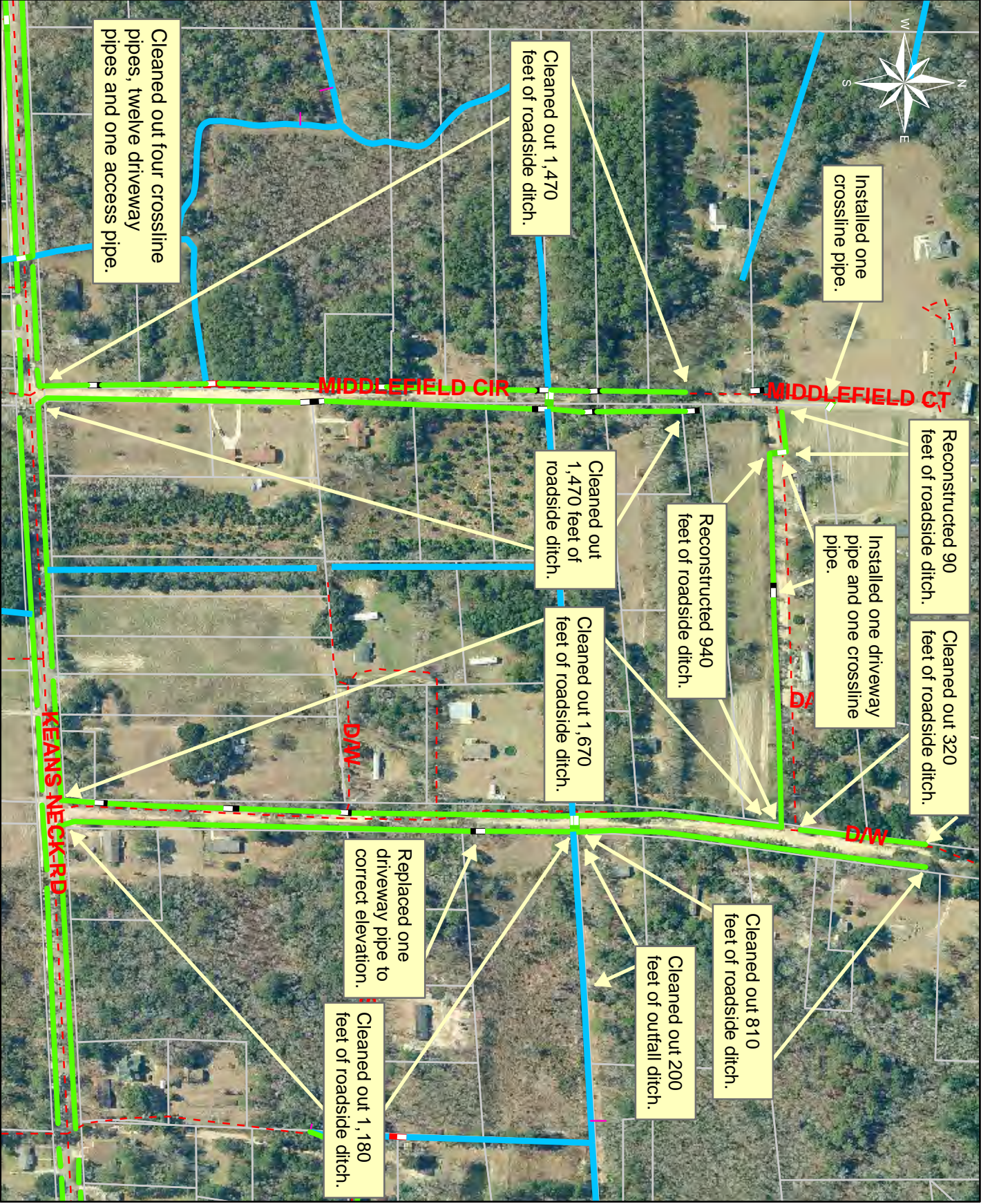


During



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

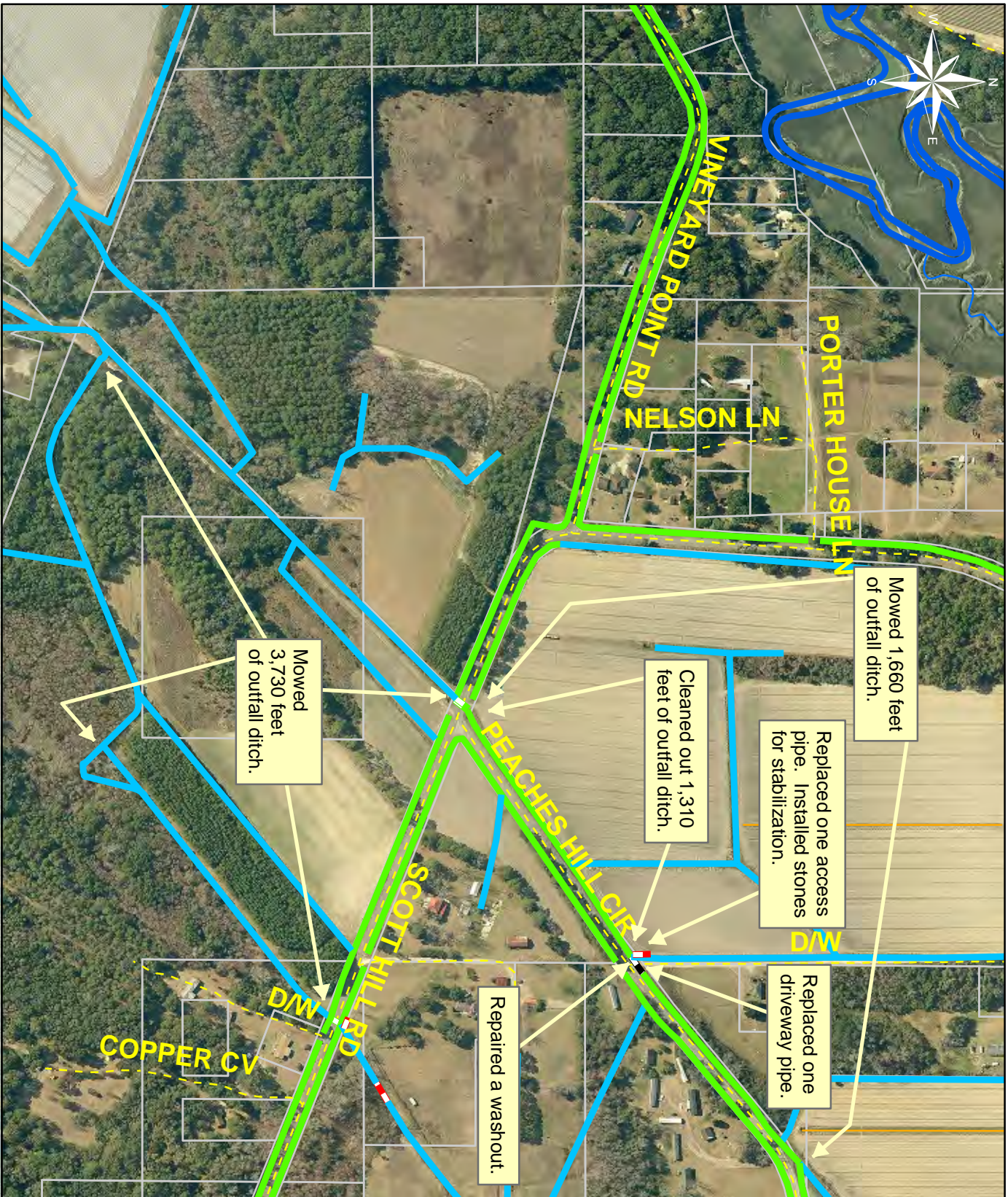
Township: St. Helena Island

Completed: March 2010

272

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 with black dots
D/W	Black dashed line with white dots
Access	Red dashed line with white dots
Piped	Black dashed line with blue dots
Bleeder	Pink dashed 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

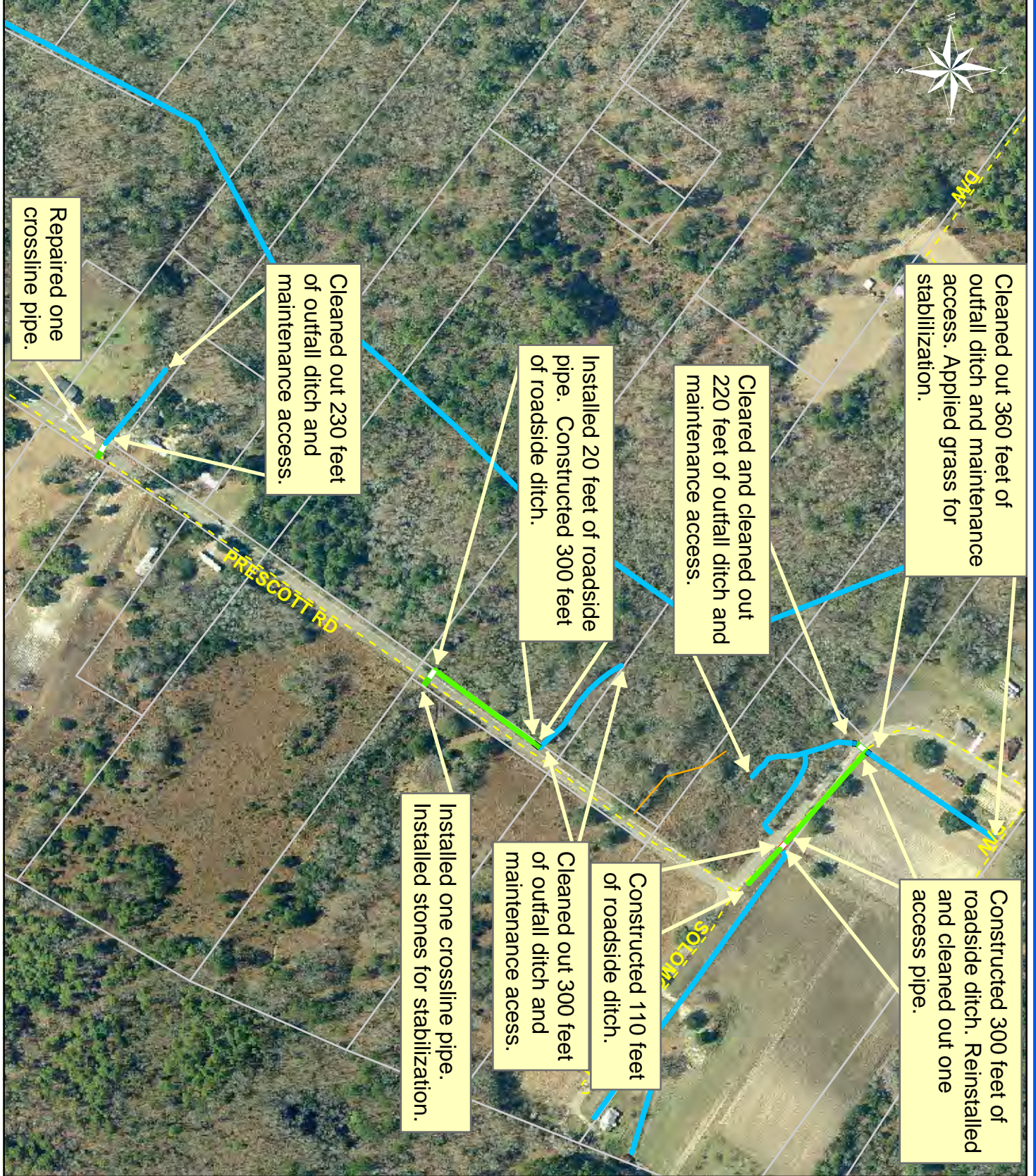


After





1 inch = 331 feet



Project:
Prescott Road

Activity: Drainage
Maintenance

Project #:
2004-86

Township:
Sheldon

Completed:
March 2010

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

Date Print: 10/7/10



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



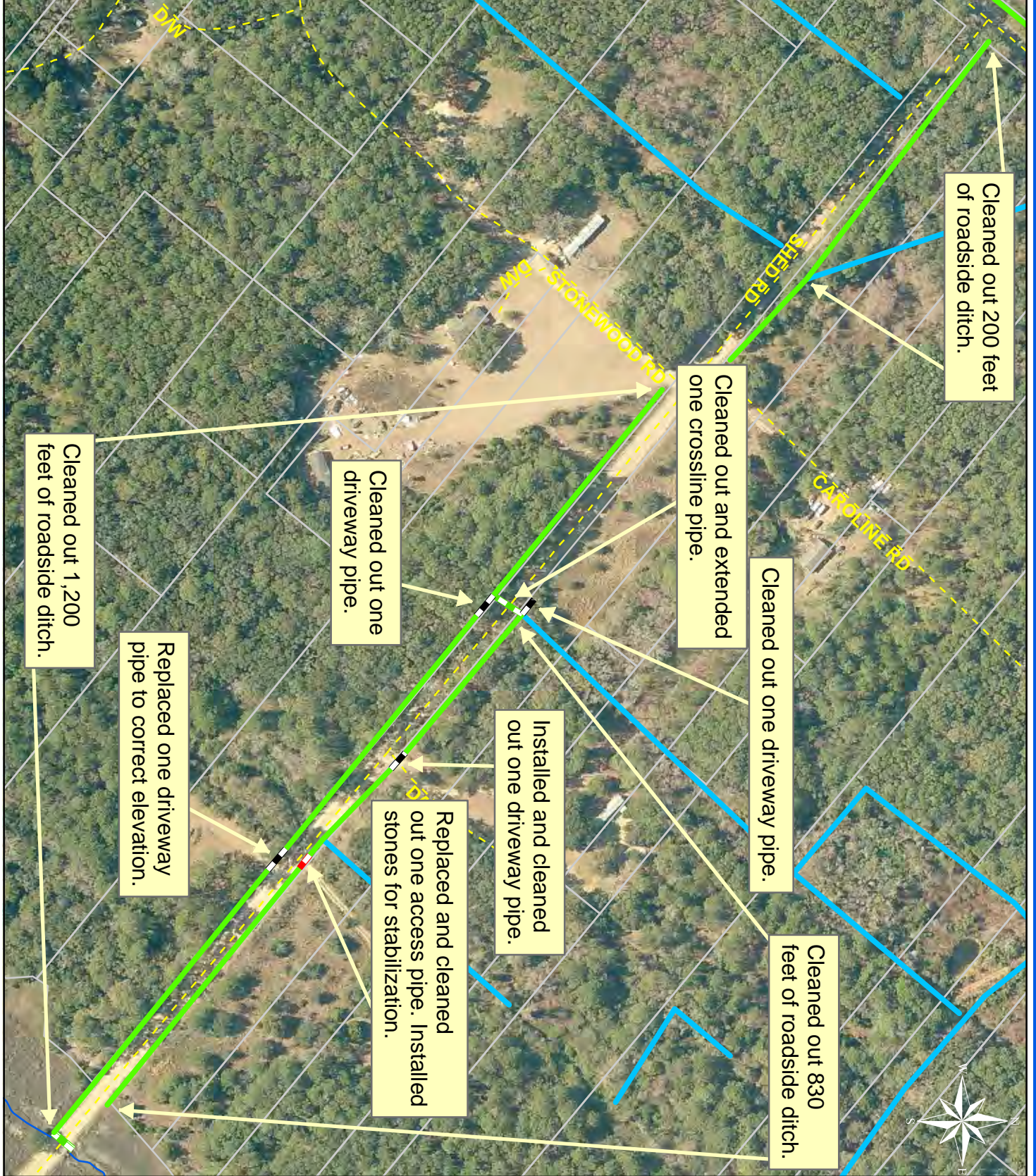
Project:
Shed Road

Activity: Drainage
Maintenance

Project #:
2010-163

Township:
St. Helena Island

Completed:
March 2010



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

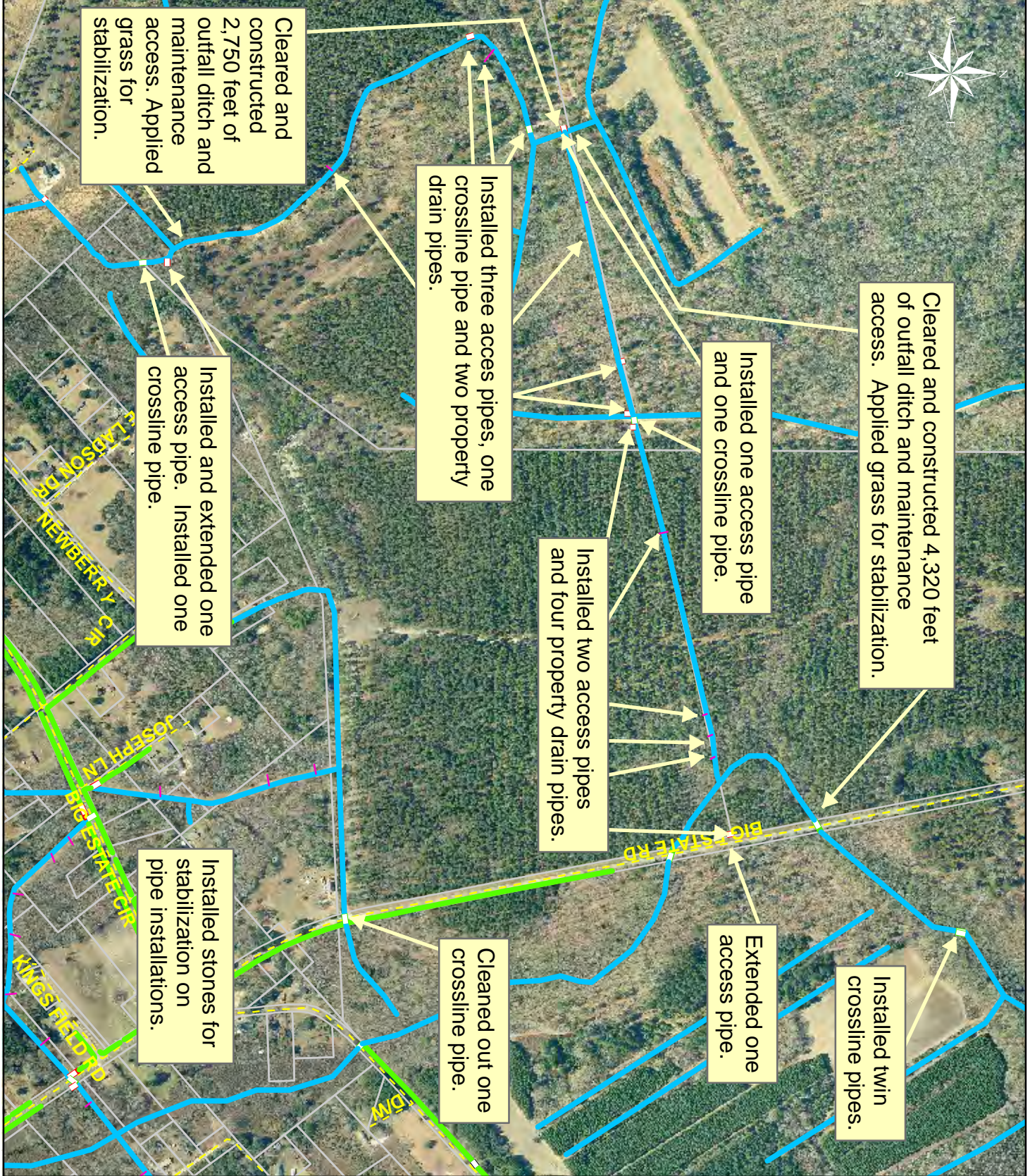


After





1 inch = 717 feet



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

Activity: Drainage
 Maintenance

Project #:
 2007-98

Township:
 Sheldon

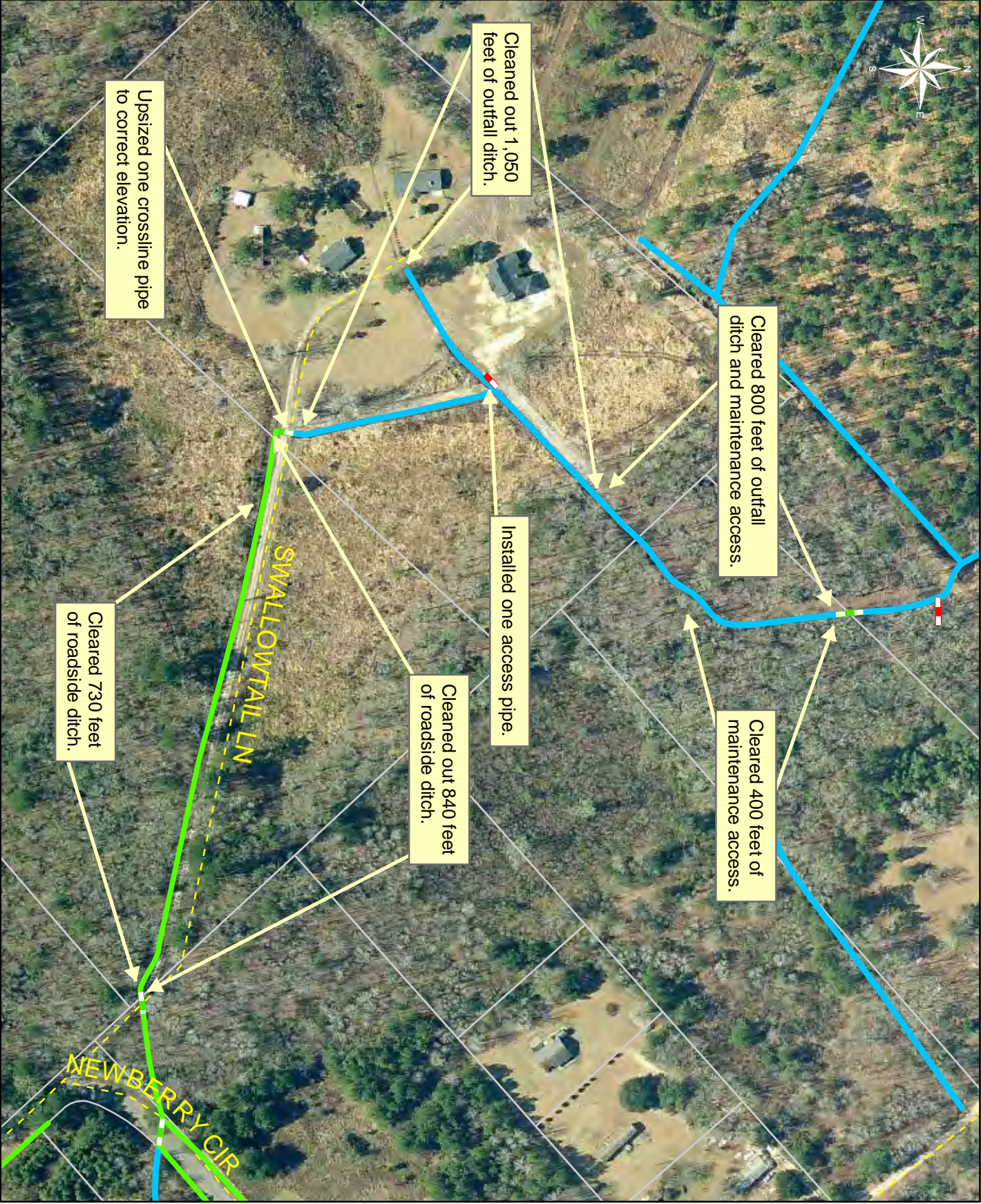
Completed:
 March 2010

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

Date Print: 11/30/11



1 inch = 192 feet



Upsized one crossline pipe to correct elevation.

Cleaned out 1,050 feet of outfall ditch.

Cleared 800 feet of outfall ditch and maintenance access.

Installed one access pipe.

Cleared 400 feet of maintenance access.

Cleaned out 840 feet of roadside ditch.

Cleared 730 feet of roadside ditch.

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

Activity: Drainage Maintenance

Project #: 2007-98

Township: Sheldon

Completed: March 2010

Legend 281

Drainage Type

- 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

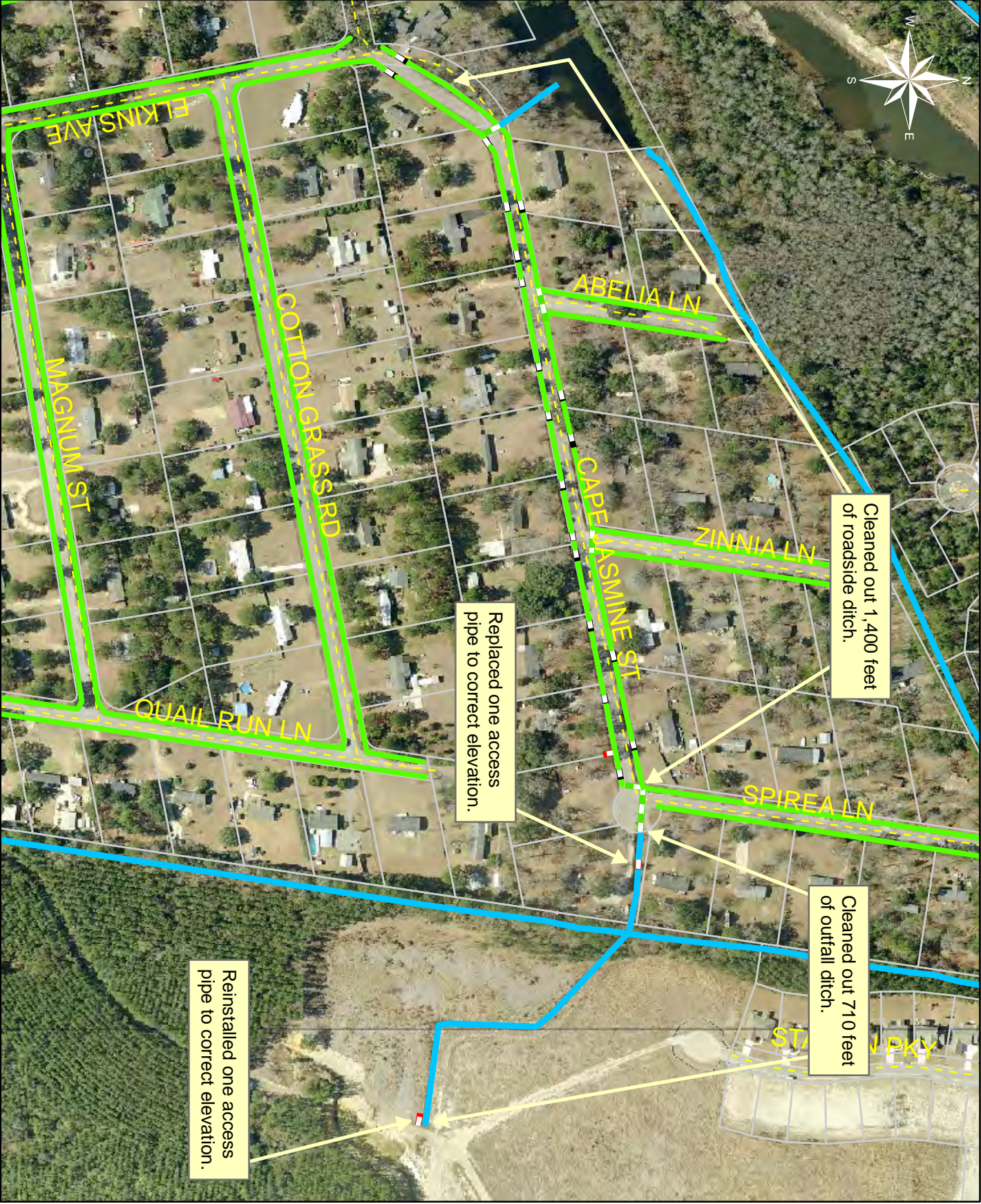


After





1 inch = 279 feet



Project:
Cape Jasmine Street

Activity: Drainage Maintenance

Project #:
2010-204

Township:
Bluffton

Completed:
April 2010

Legend	
Drainage Type	
	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

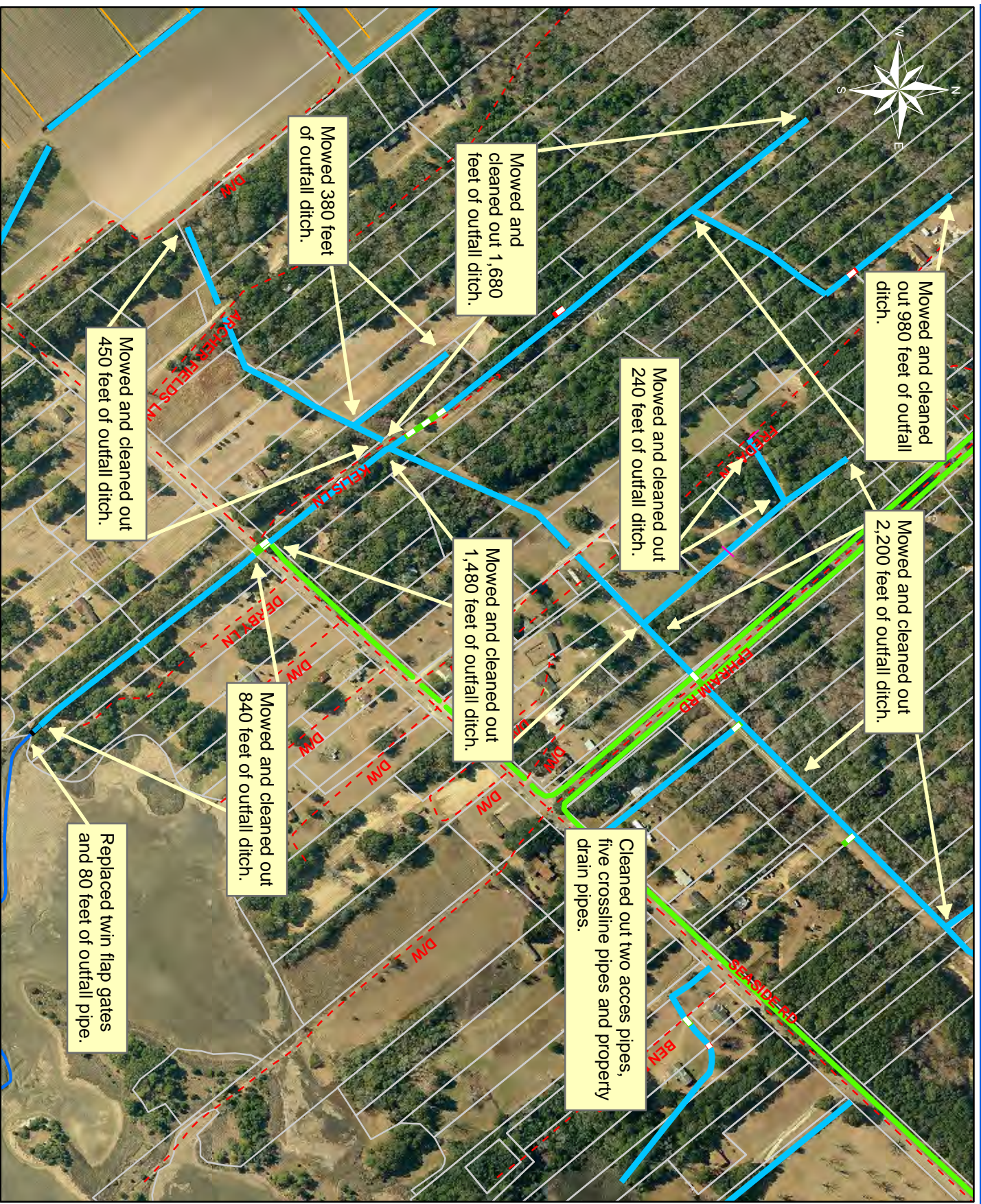
Activity: Drainage
Maintenance

Project #:
2010-082

Township:
St. Helena Island

Completed:
April 2010

Legend	
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:
Wimbbee Landing
Road

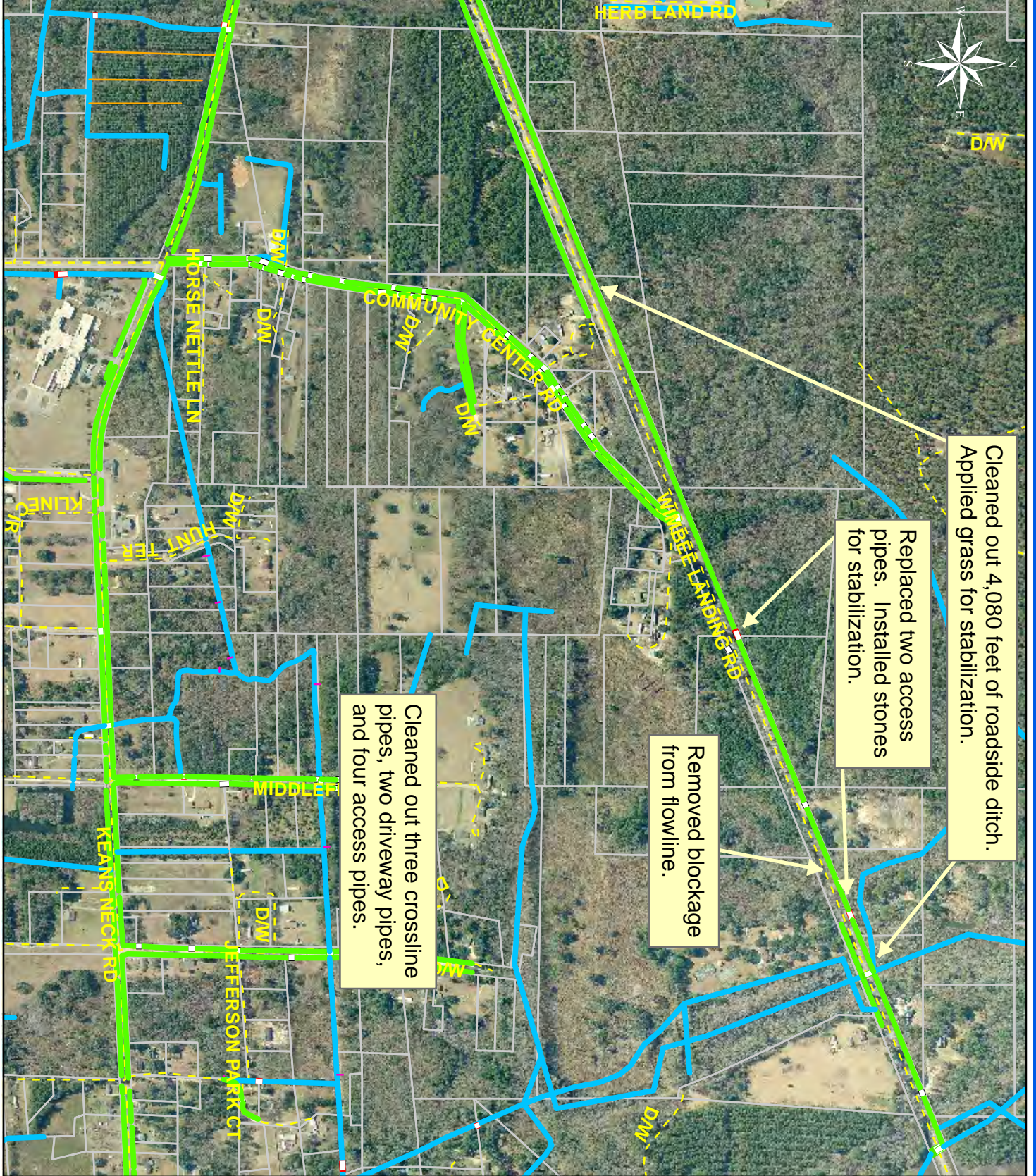
Activity: Drainage
Maintenance

Project #:
2010-158

Township:
Sheldon

Completed:
April 2010

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



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

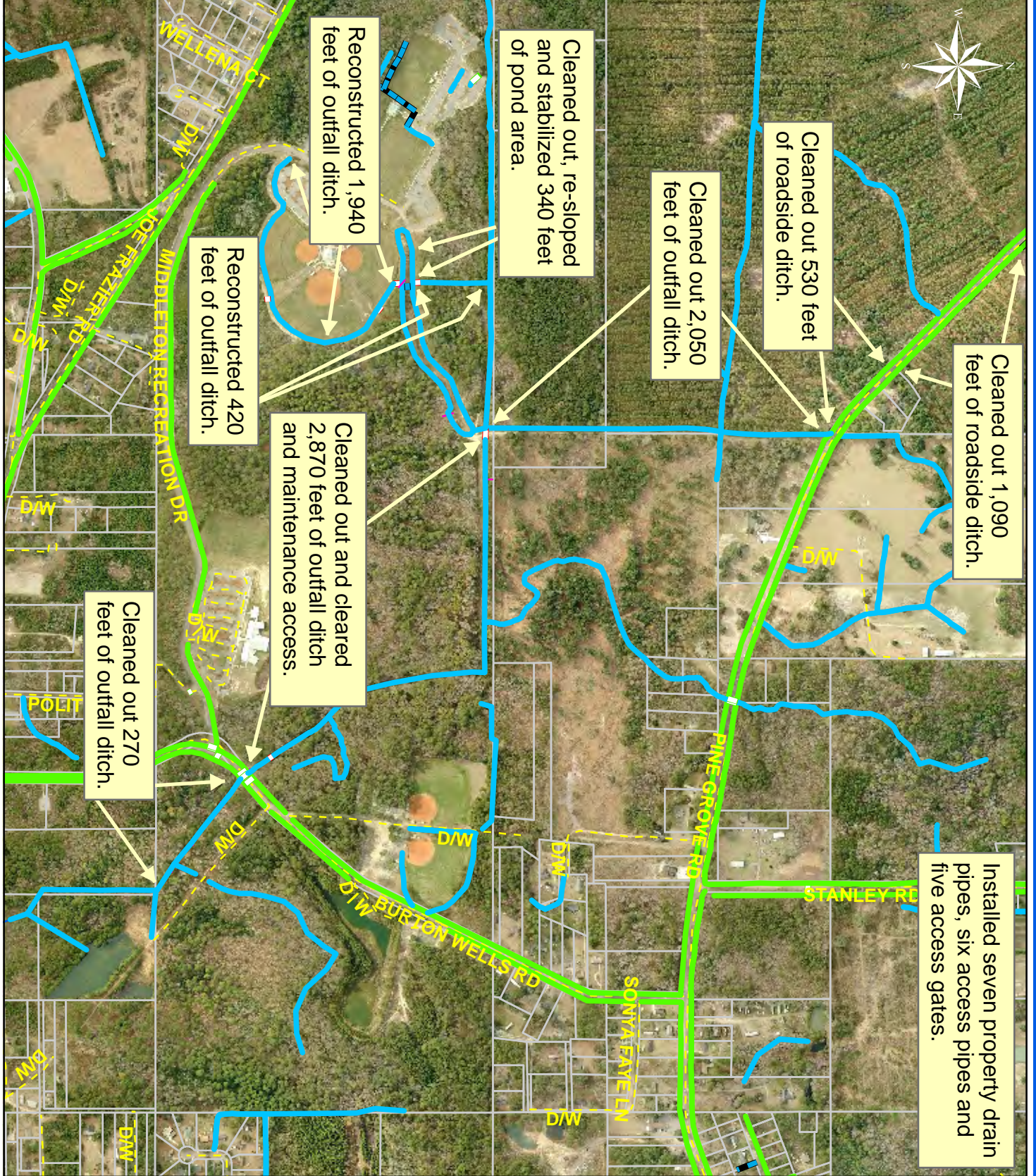


During



After





1 inch = 796 feet

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

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.

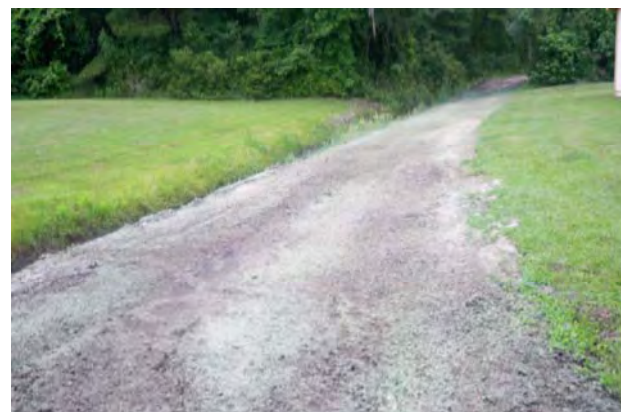
Before

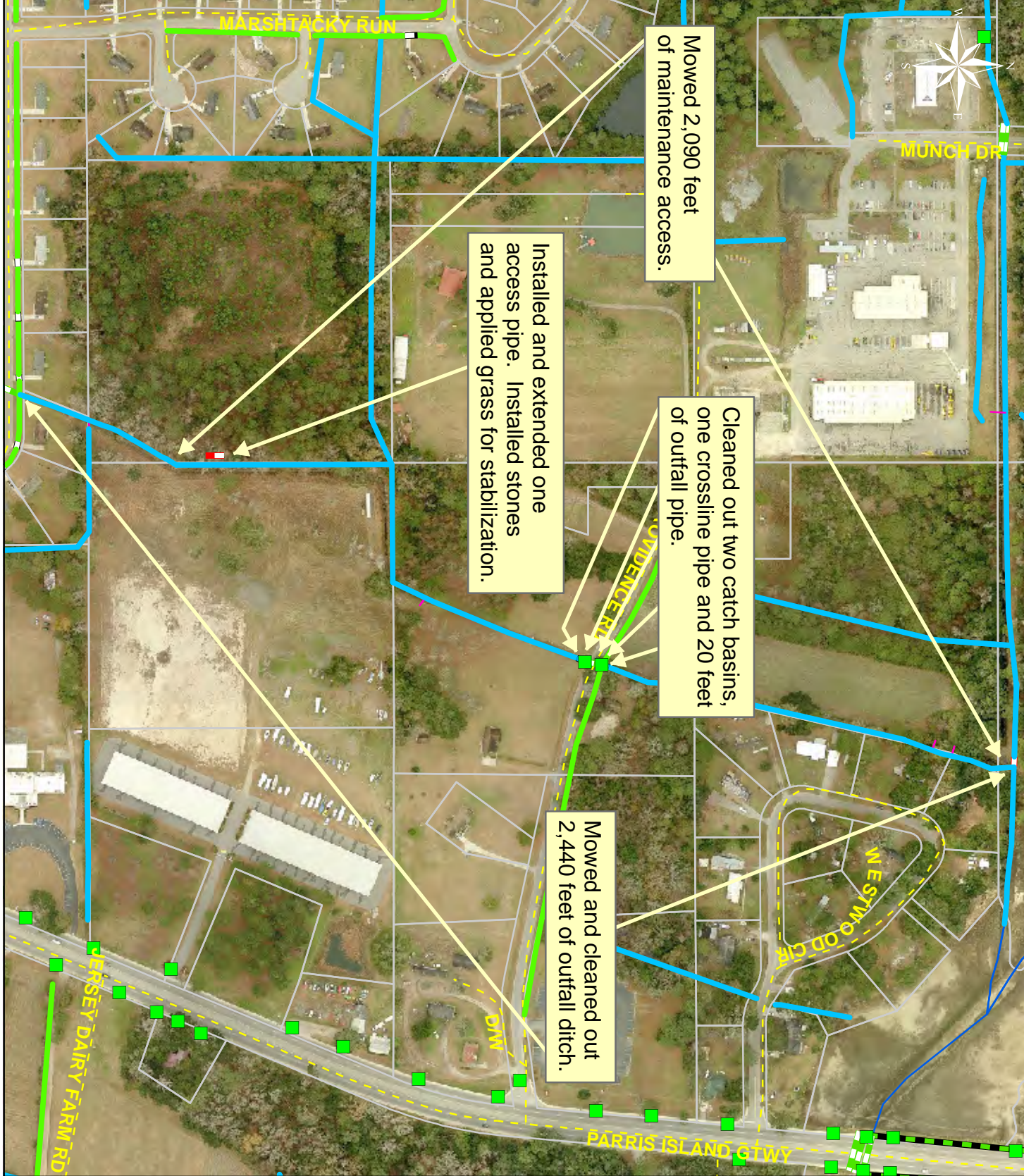


During



After



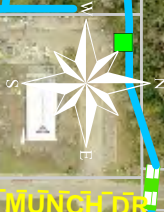


Mowed 2,090 feet of maintenance access.

Cleaned out two catch basins, one crossline pipe and 20 feet of outfall pipe.

Installed and extended one access pipe. Installed stones and applied grass for stabilization.

Mowed and cleaned out 2,440 feet of outfall ditch.



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



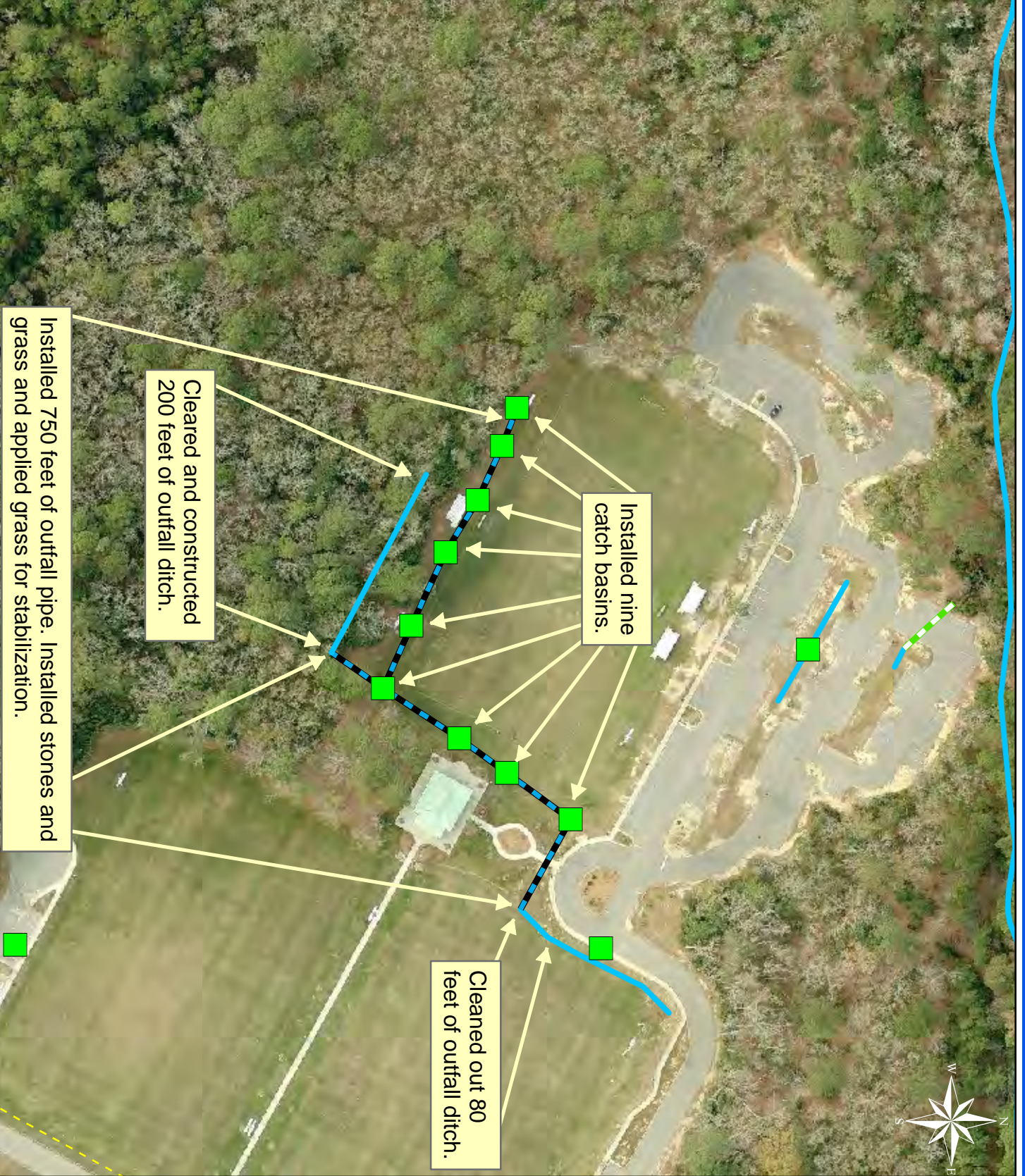
Project:
 Burton Wells Park
 Outfall Phase II

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

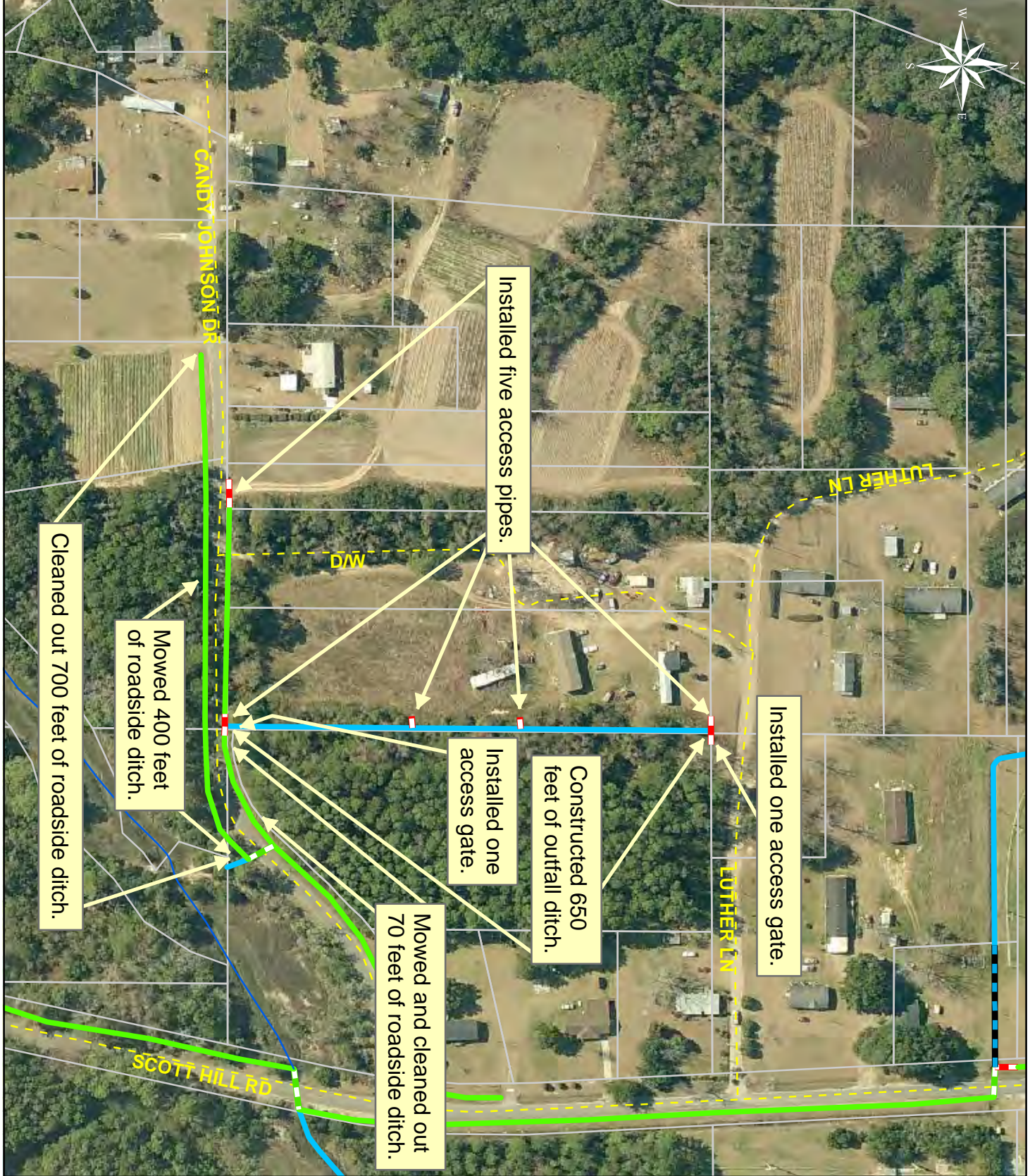


During



After





0 62.5 125 250 375 500 Feet

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



Project:
Pinewood Circle

Activity: Drainage
Emergency

Project #:
2010-247

Township:
Port Royal Island

Completed:
June 2010

Legend

299

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



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





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



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





RIVERS 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

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



1 inch = 45 feet

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

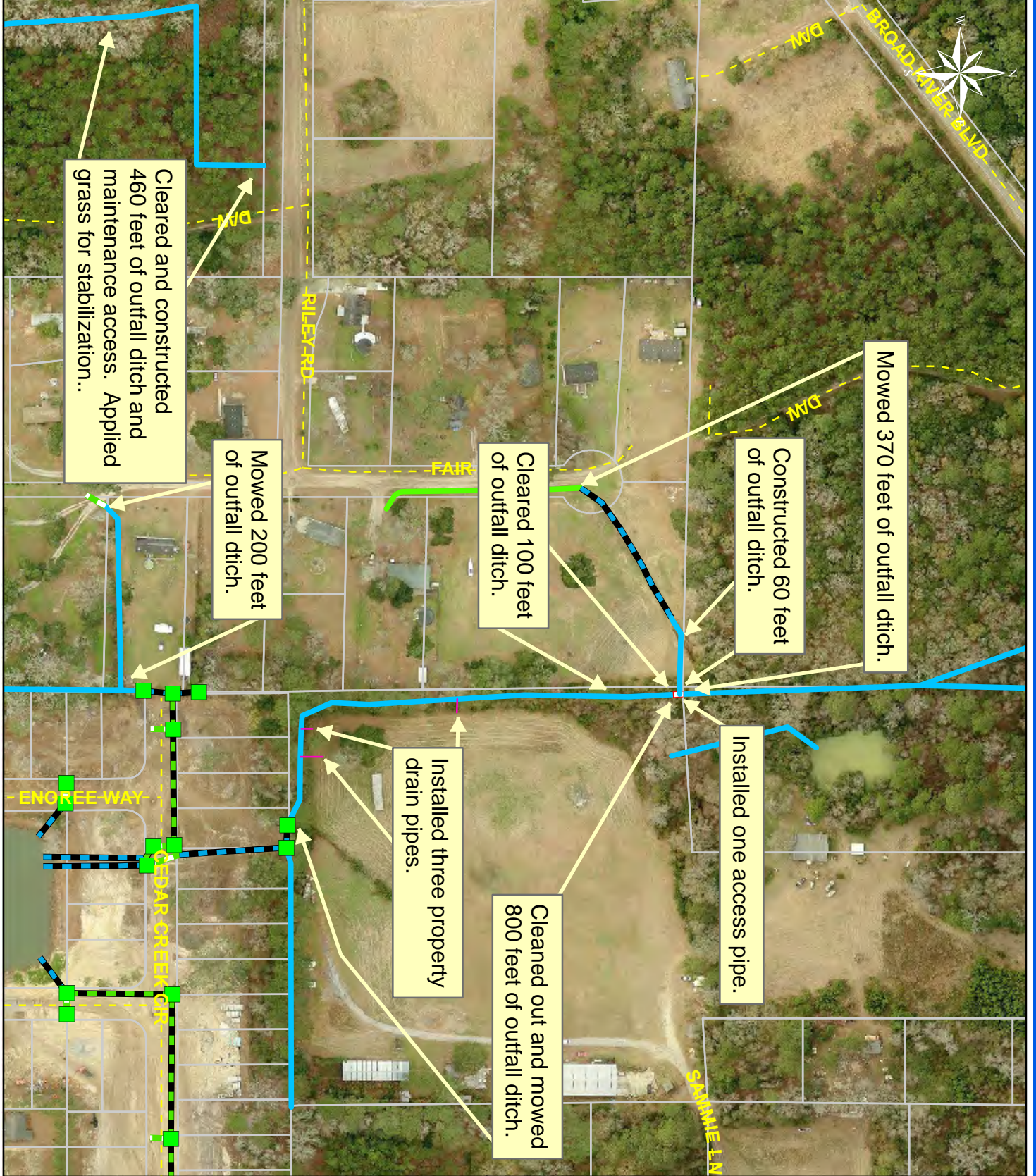


During



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
	DW
	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

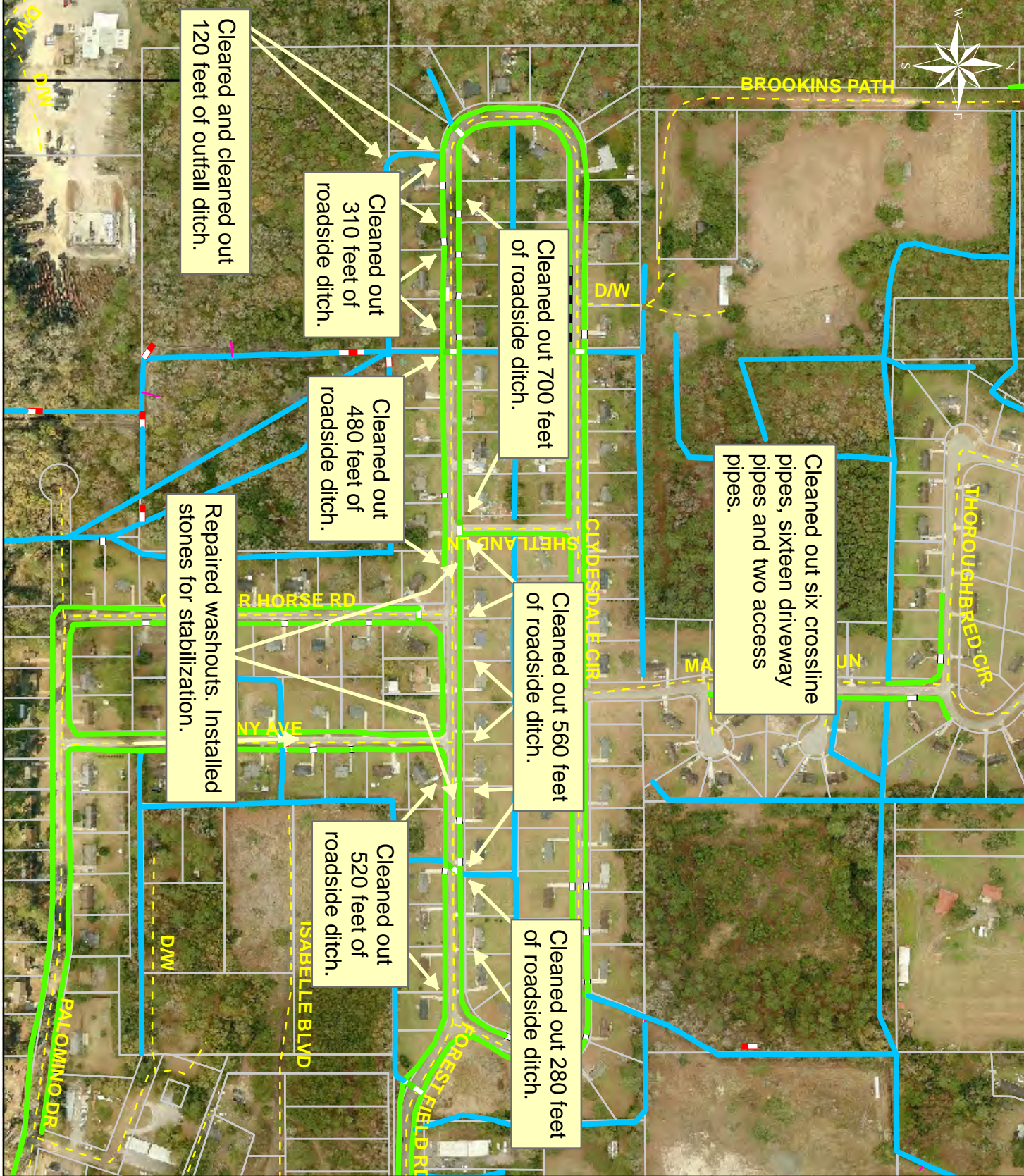


During



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
- DW
- Access
- Piped
- Bleeder
- Parcels

0 90 180 360 540 720
 Feet

1 inch = 355 feet

Date Print: 12/3/10

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

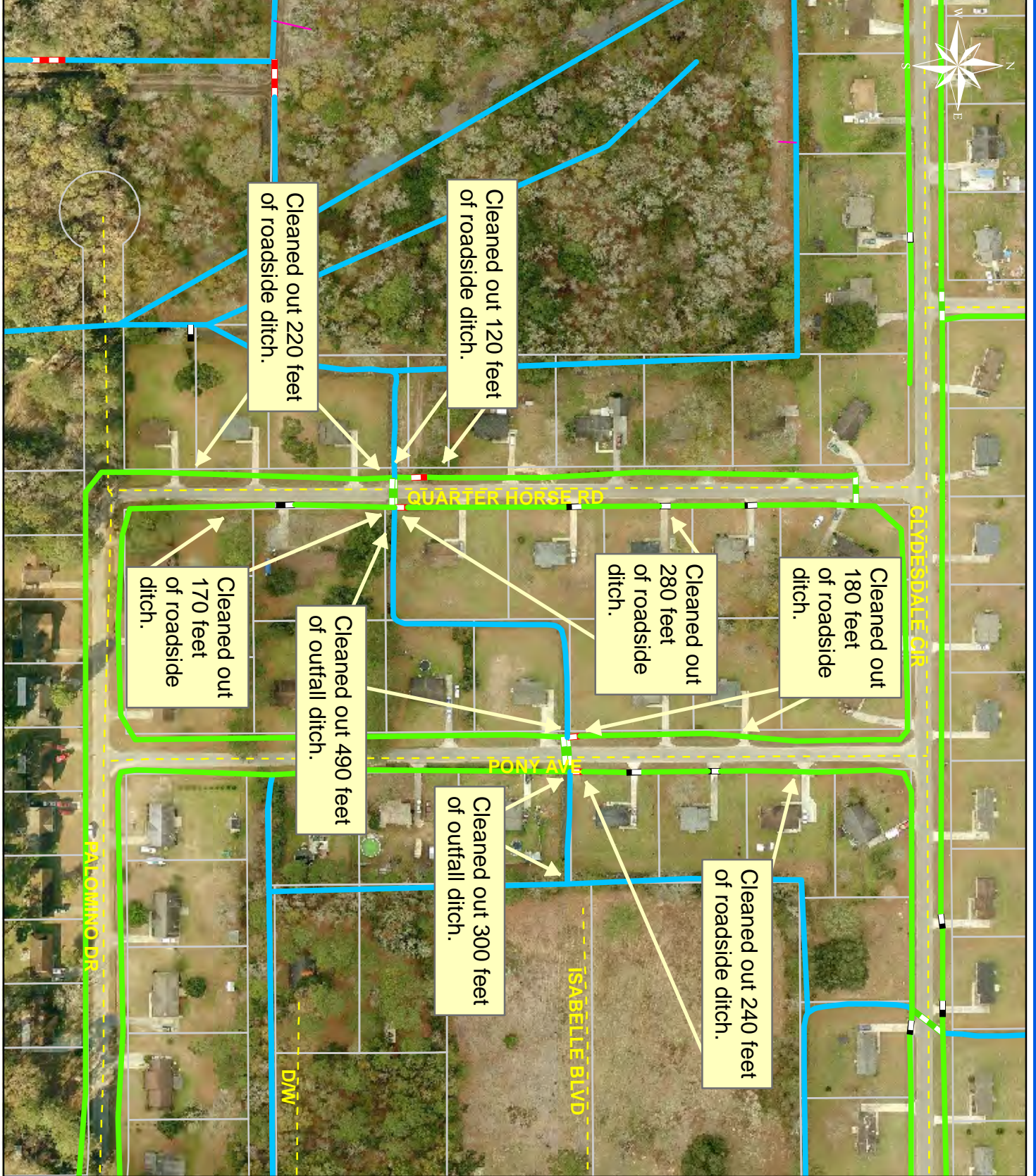
Activity: Drainage
 Maintenance

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





1 inch = 128 feet



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

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.

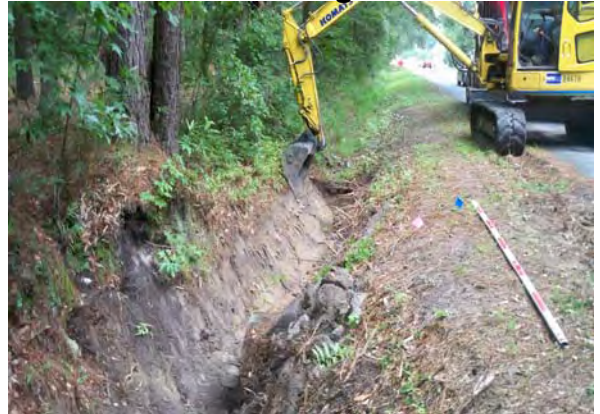
Resolution: This project cleaned out 3,100 feet of roadside ditch. The Utility also cleaned out one access pipe and two crossline pipes. Lastly, the Utility installed a stone spillway for stabilization.

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



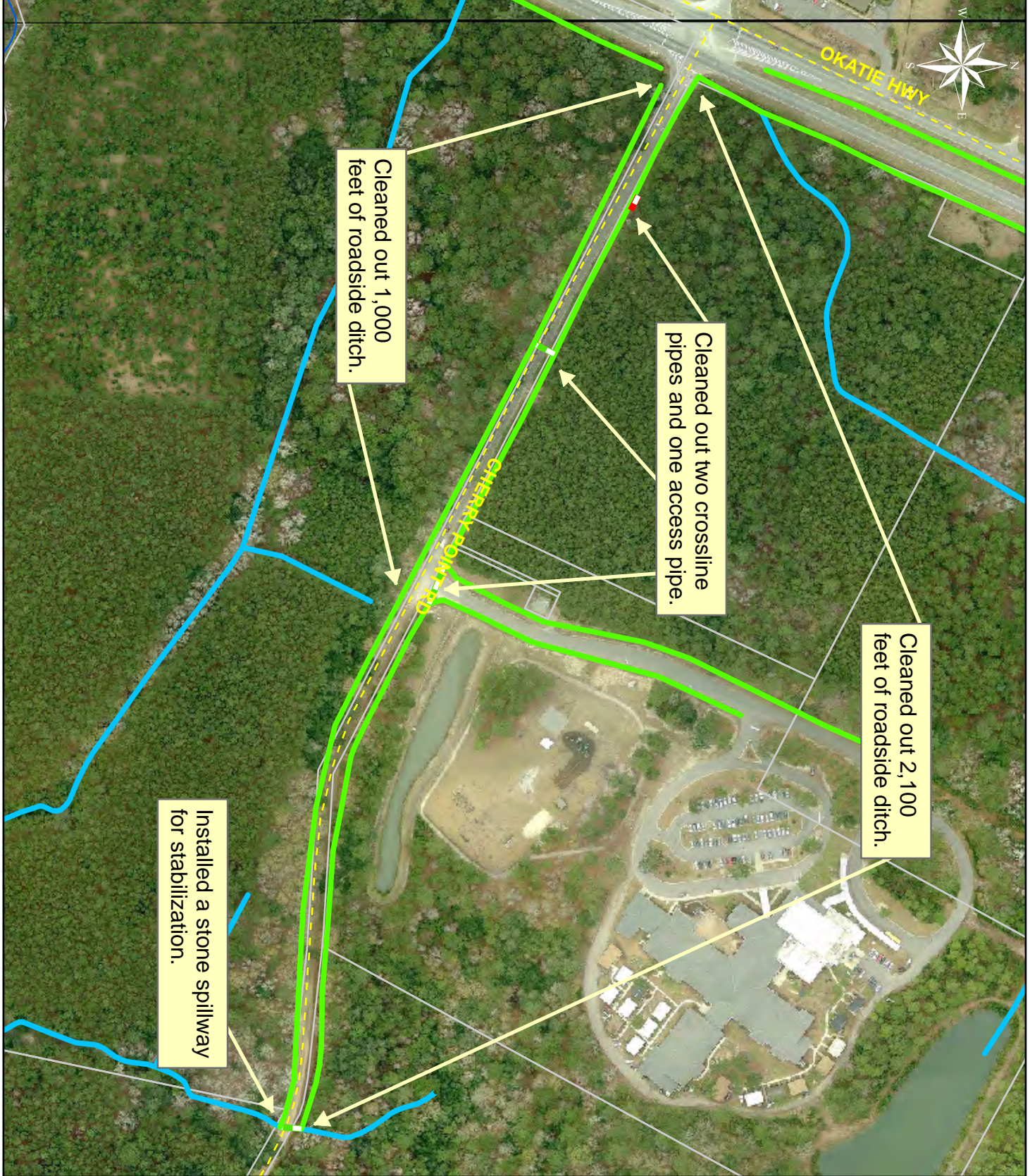
Project:
Cherry Point Road

Activity: Drainage
Maintenance

Project #:
2011-501

Township:
Bluffton

Completed:
August 2010



1 inch = 270 feet

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

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.

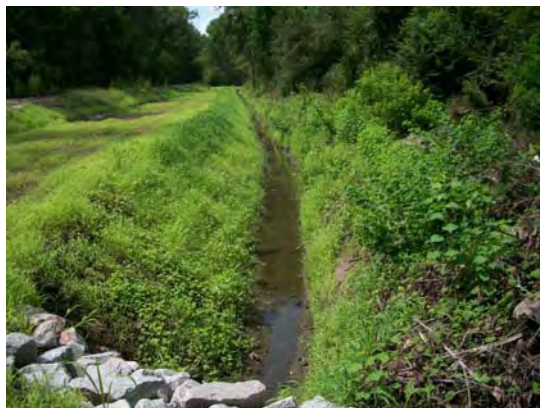
Before

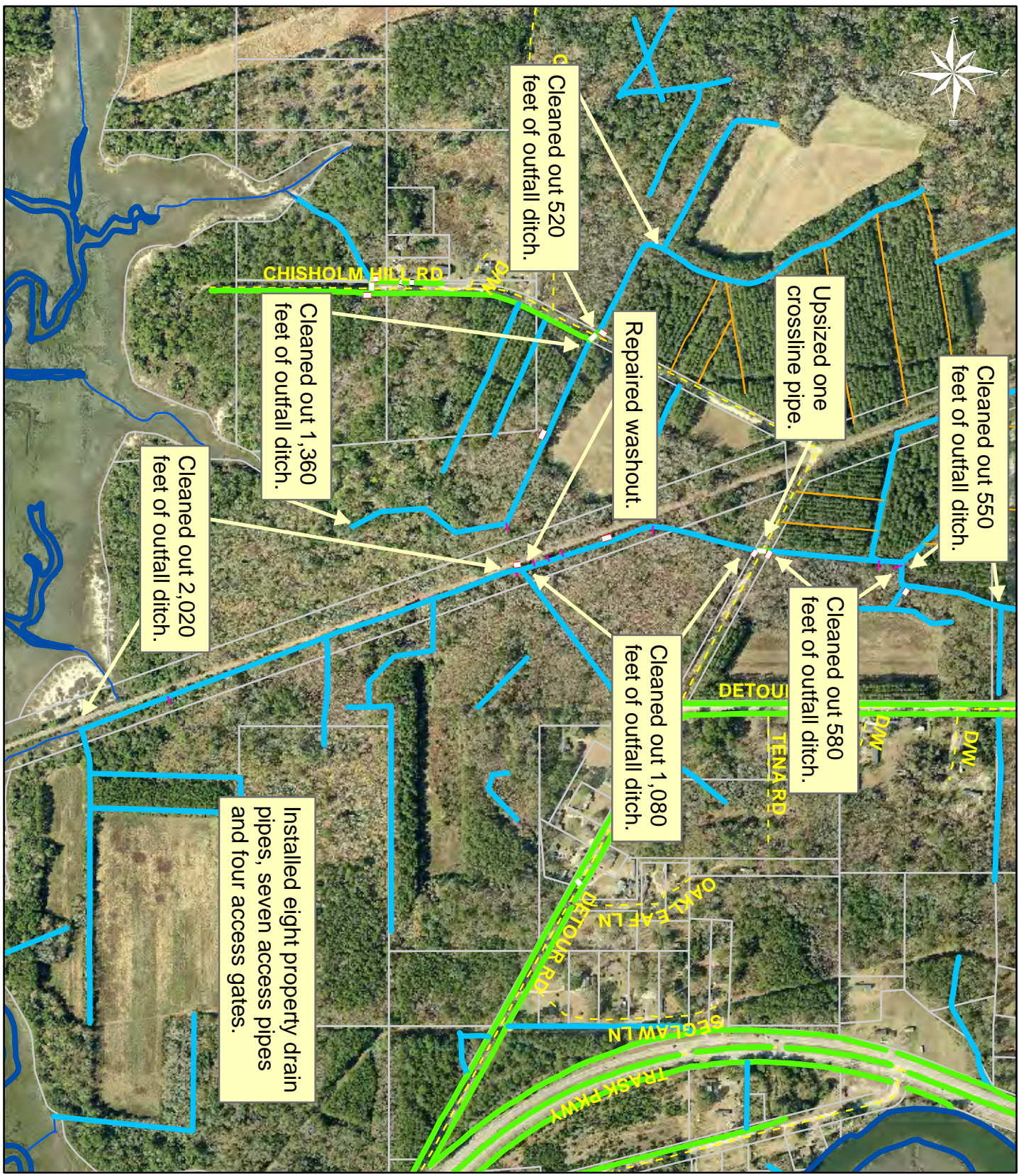


During



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

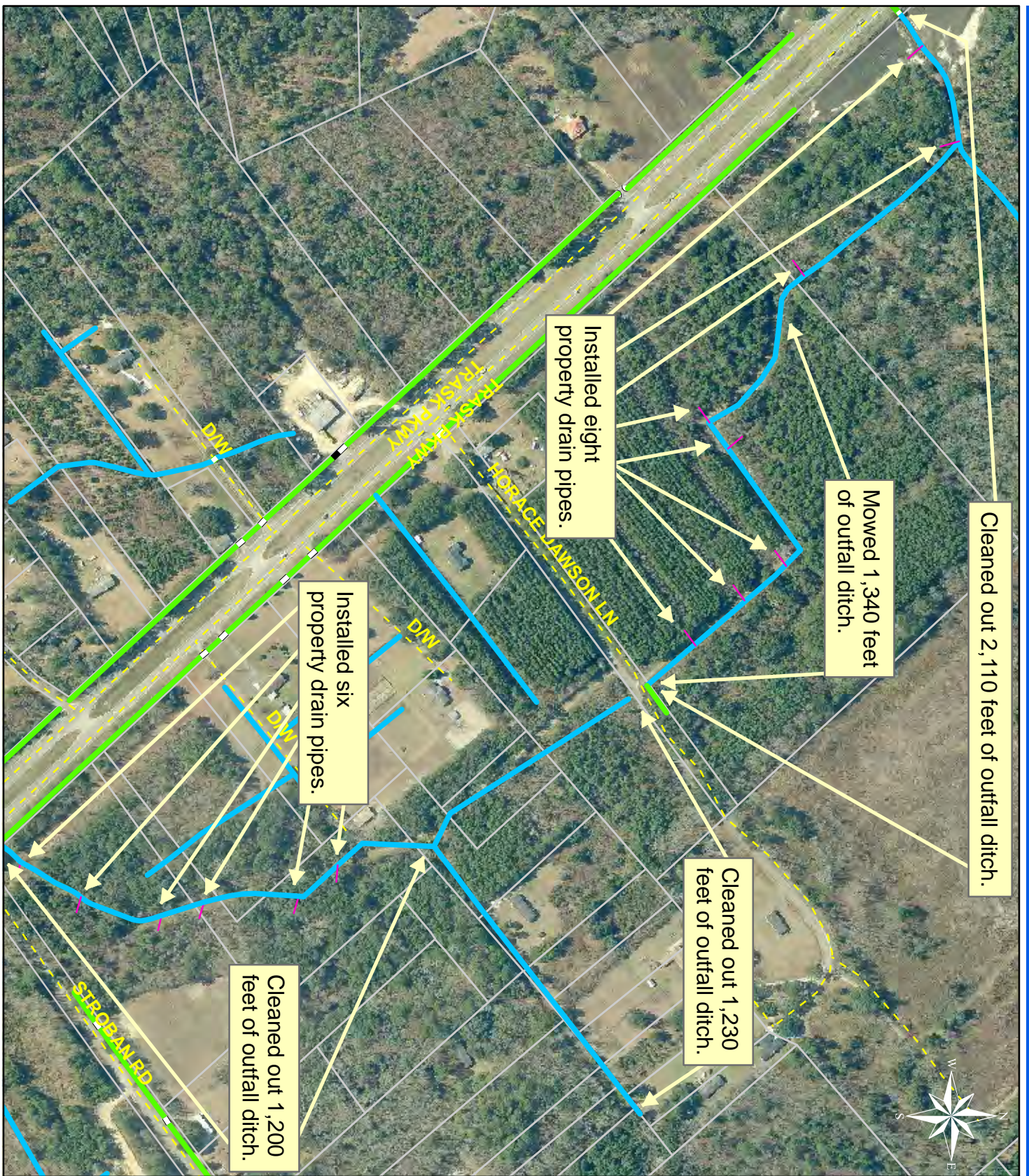
Activity: Drainage
 Maintenance

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

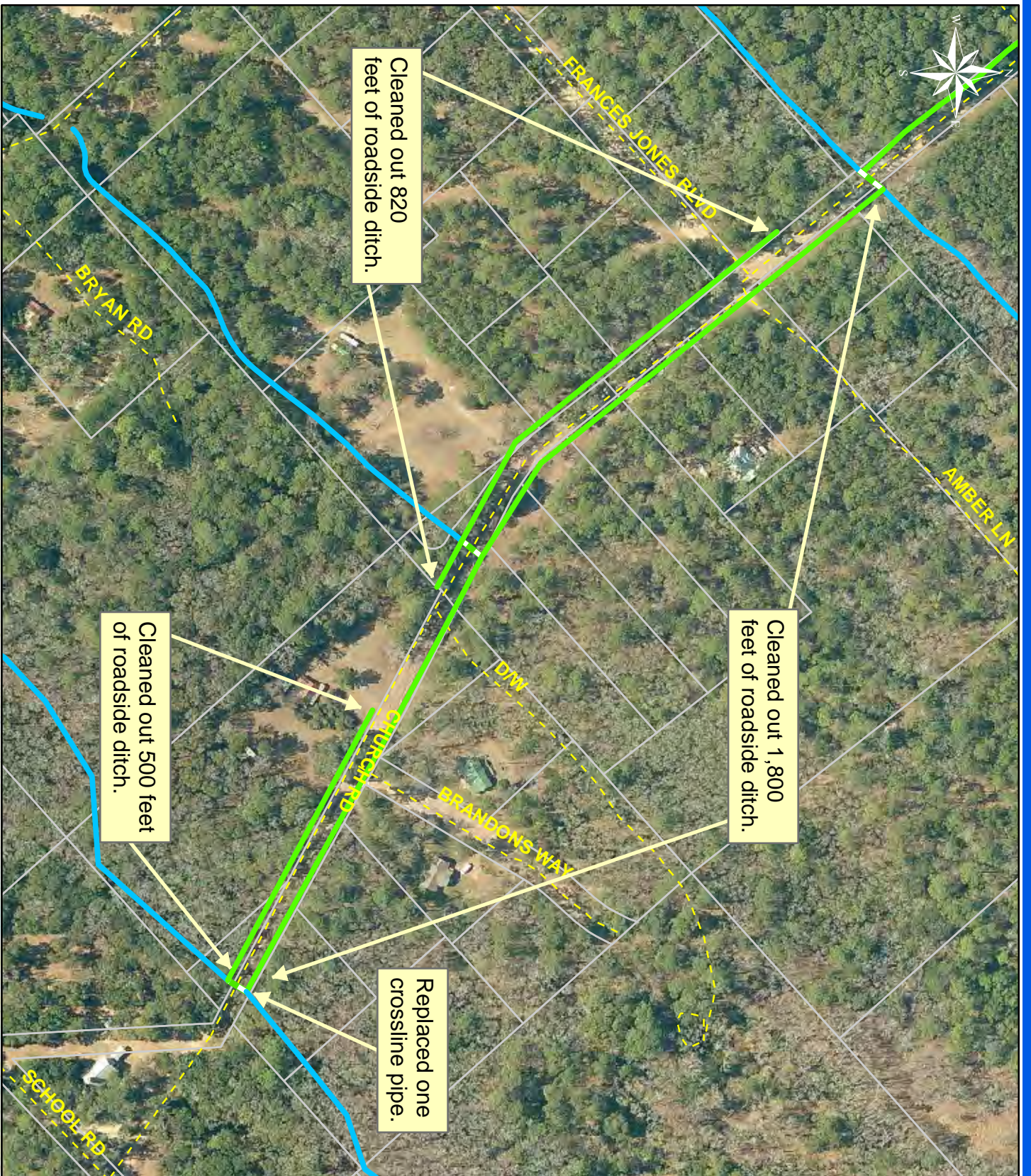


After





1 inch = 223 feet



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

Date Print: 4 /19/11

Project:
Church Road

Activity: Drainage Maintenance

Project #:
2011-560

Township:
Daufuskie Island

Completed:
September 2010



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

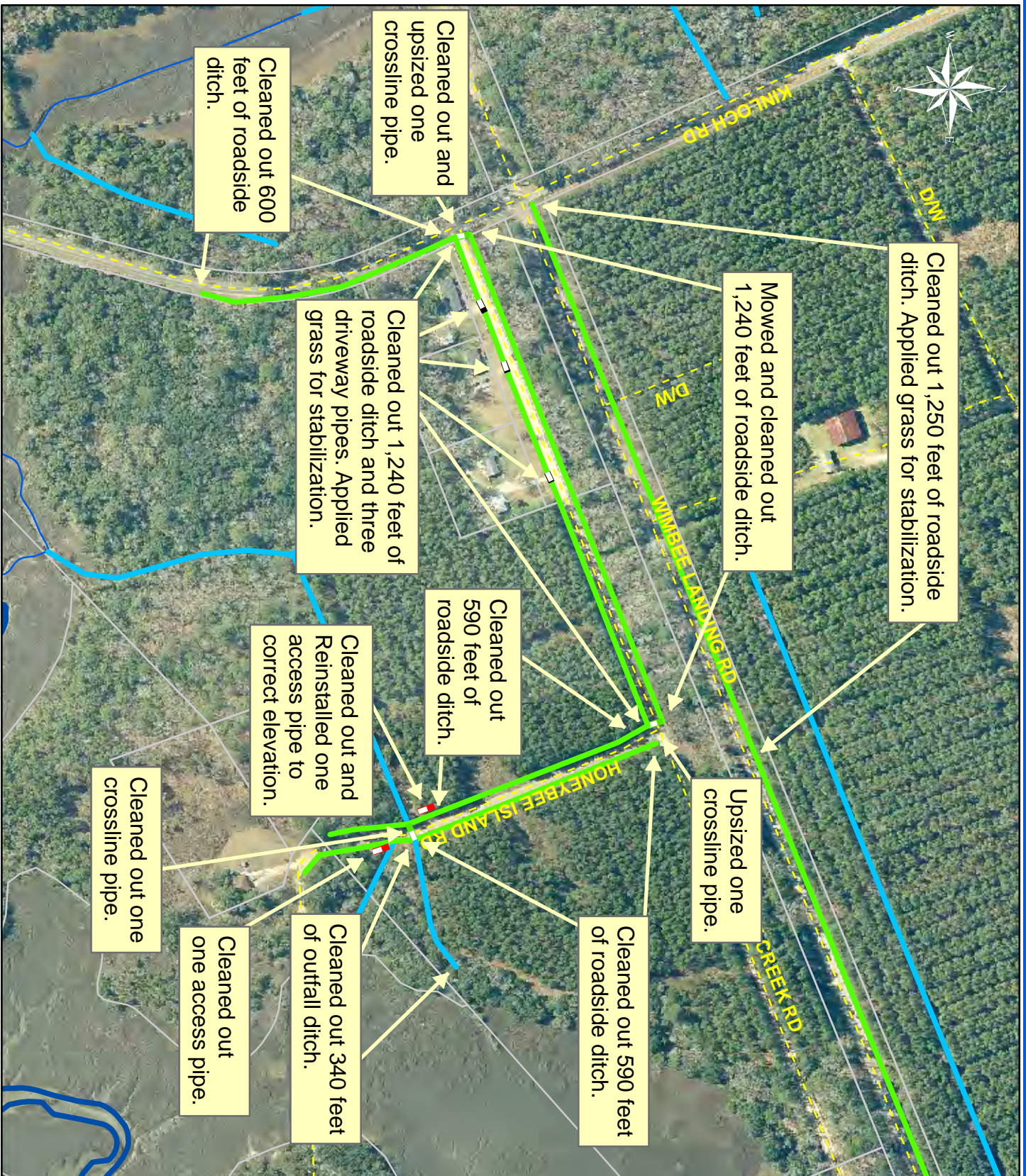


After





1 inch = 311 feet



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.

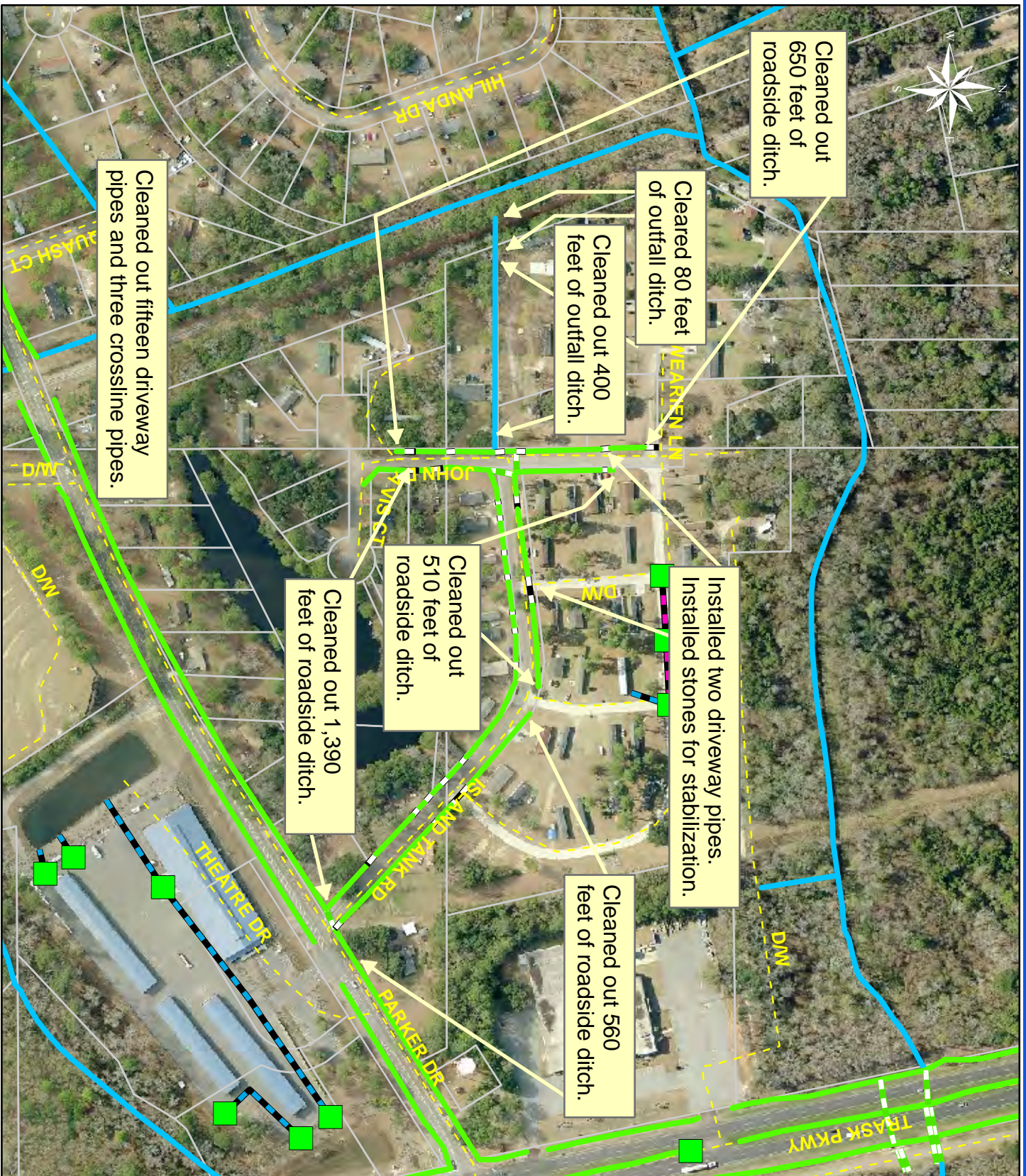
Cleaned out 510 feet of roadside ditch.

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

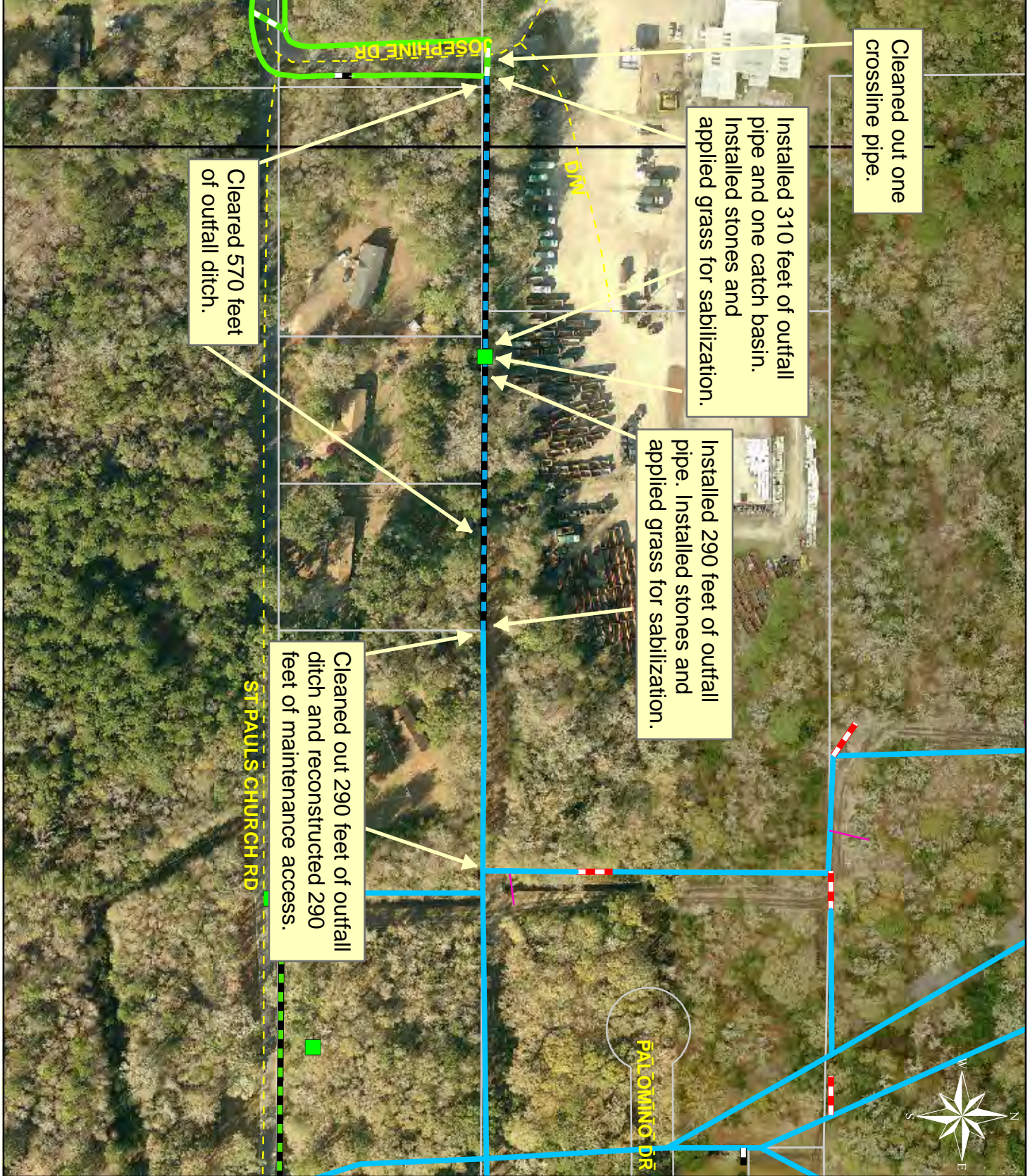
Activity: Drainage
Maintenance

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





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

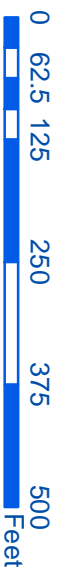
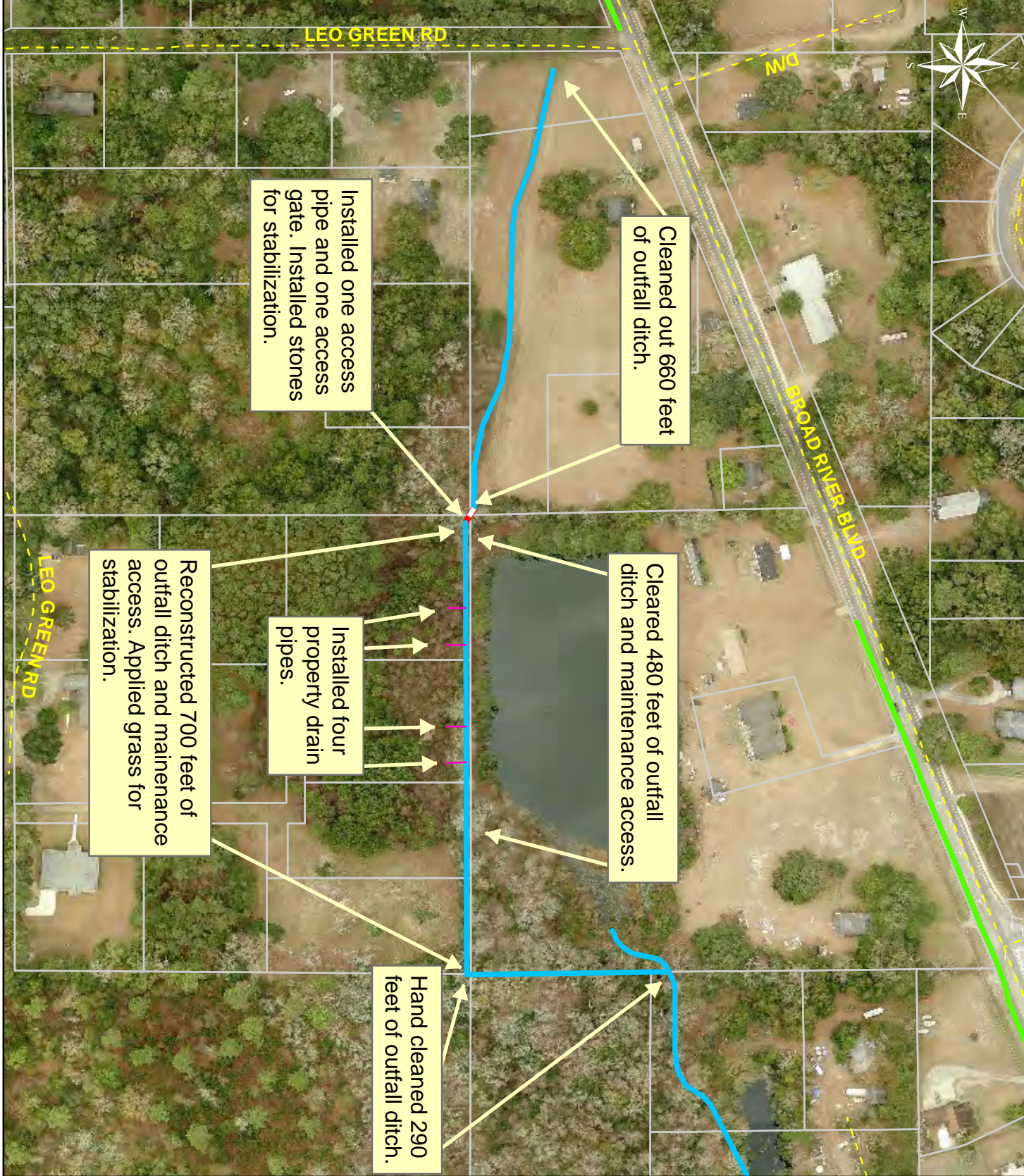


During



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
	D/W
	Access
	Piped
	Bleeder
	Parcels

Date Print: 3/16/11



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

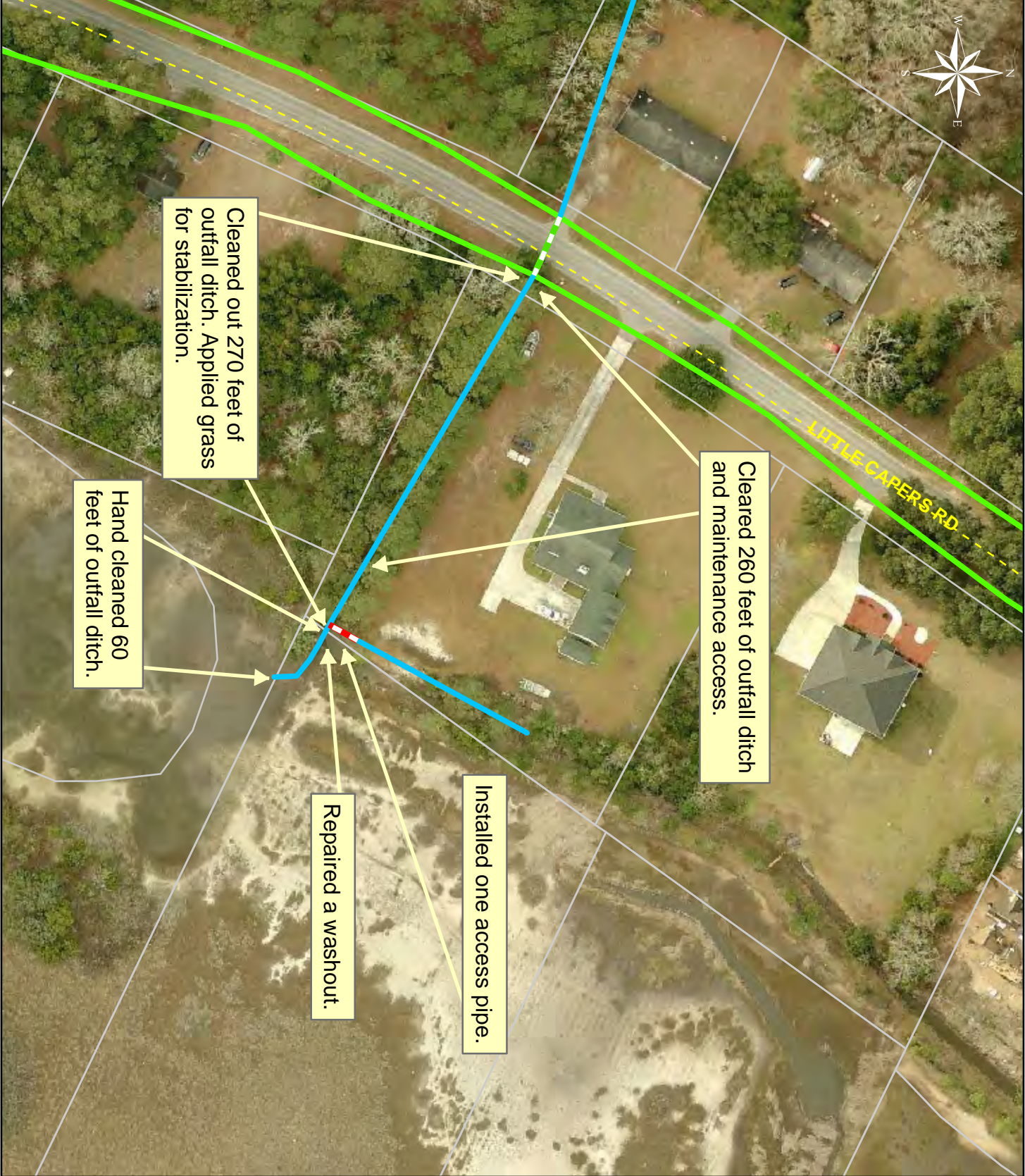


During



After





1 inch = 90 feet

Project:
Little Capers
Road Outfall

Activity: Drainage
Maintenance

Project #:
2011-544

Township:
Lady's Island

Completed:
October 2010

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



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

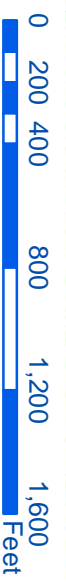


During

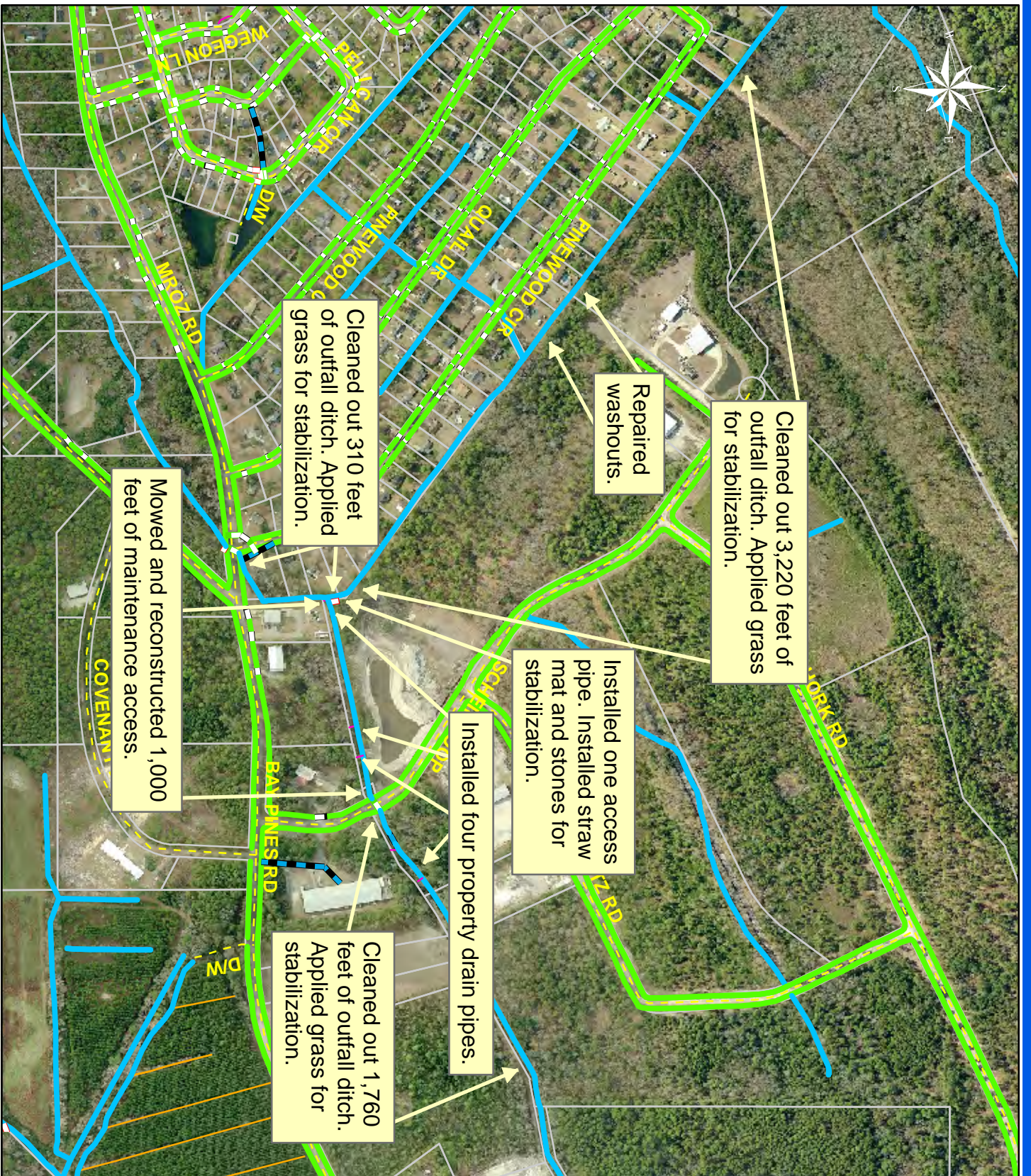


After





1 inch = 623 feet



Project:
Pinewood Circle
Activity: Drainage
Maintenance

Project #:
2011-572

Township:
Port Royal Island

Completed:
October 2010

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



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





1 inch = 208 feet

Project:
William A Campbell
Road Outfall

Activity: Drainage
Maintenance

Project #:
2010-084

Township:
Sheldon

Completed:
October 2010

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

Date Print: 2/24/11



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.

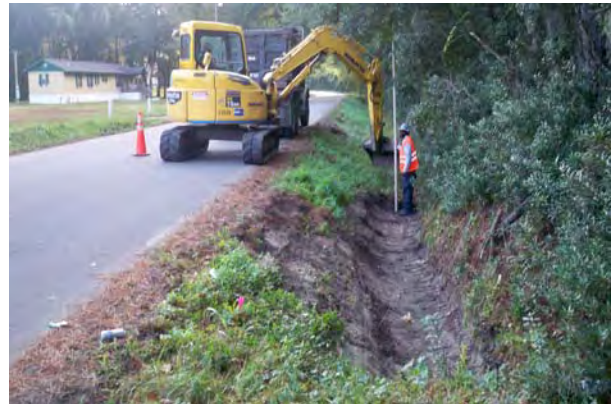
Resolution: This project cleaned out 5,100 feet of roadside ditch and 110 feet of outfall ditch. The Utility replaced one driveway pipe to correct elevation. Also, the Utility cleaned out fourteen driveway pipes and one crossline pipe. Lastly, grass was applied for stabilization.

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

Before



During



After



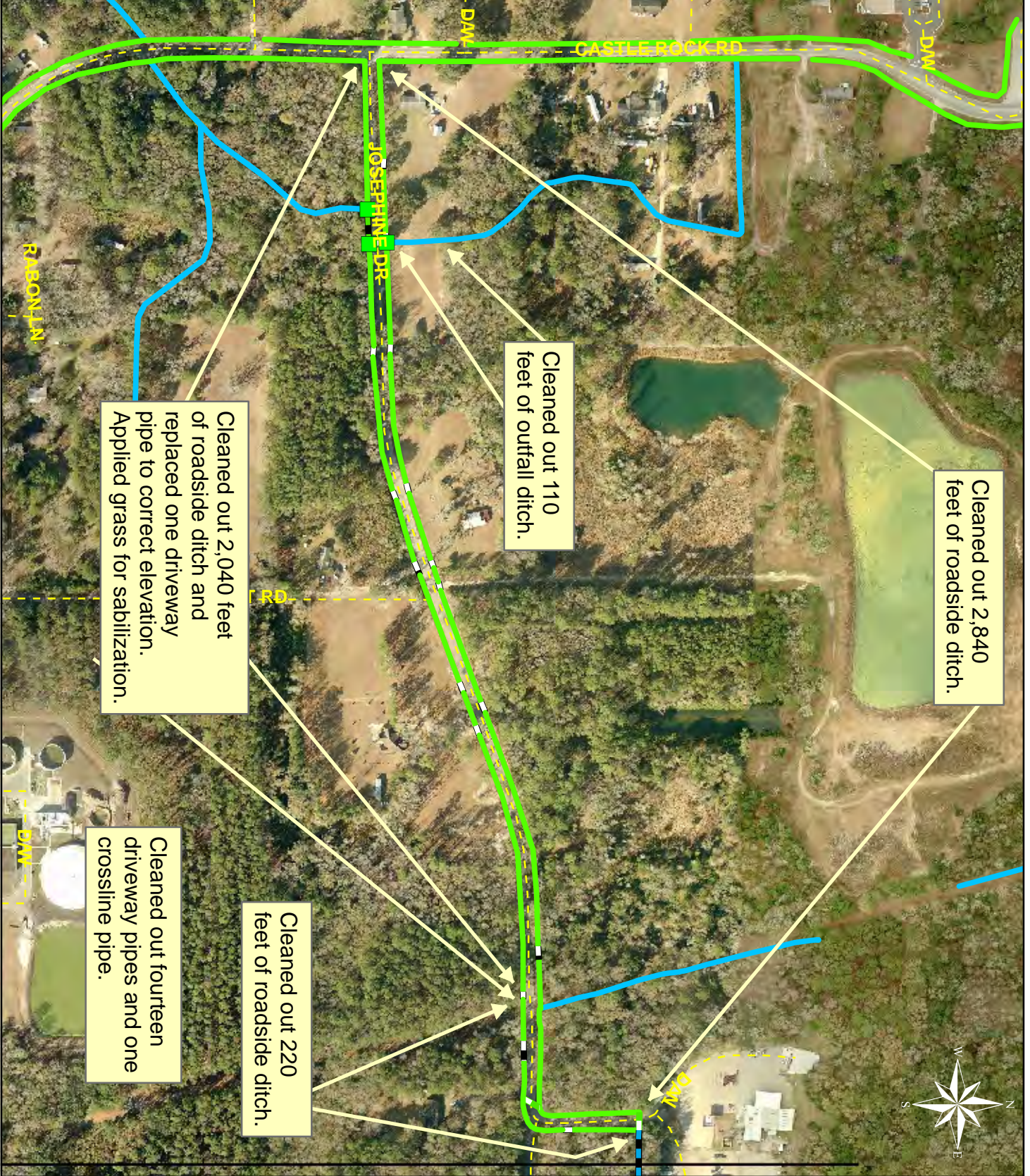
Project:
Josephine Drive
Phase II

Activity: Drainage
Maintenance

Project #:
2011-051A

Township:
Port Royal Island

Completed:
November 2010



Cleaned out 2,040 feet of roadside ditch and replaced one driveway pipe to correct elevation. Applied grass for stabilization.

Cleaned out 110 feet of outfall ditch.

Cleaned out 2,840 feet of roadside ditch.

Cleaned out fourteen driveway pipes and one crossline pipe.

Cleaned out 220 feet of roadside ditch.

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



1 inch = 330 feet

Date Print: 1/11/11



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

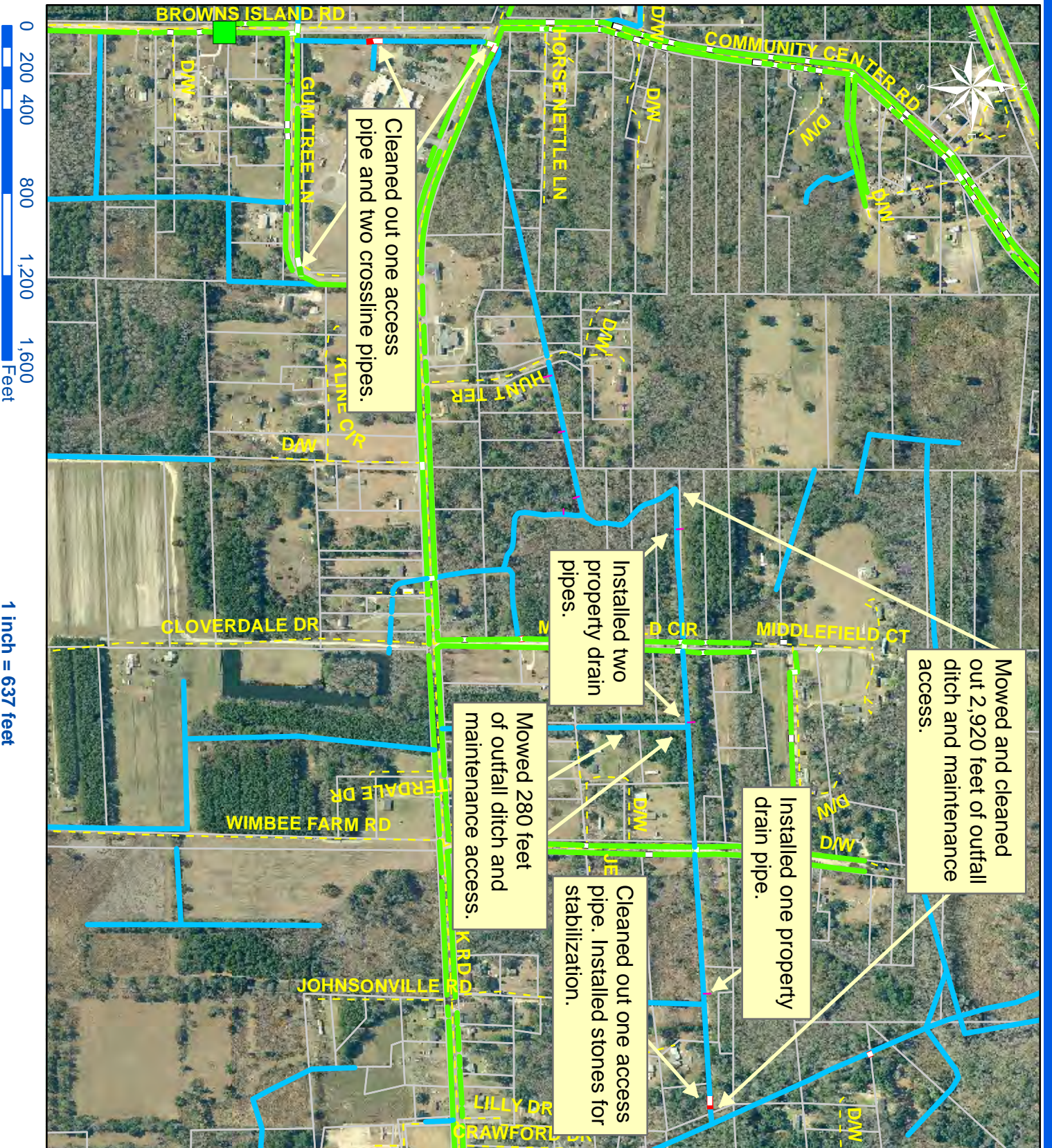


During



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

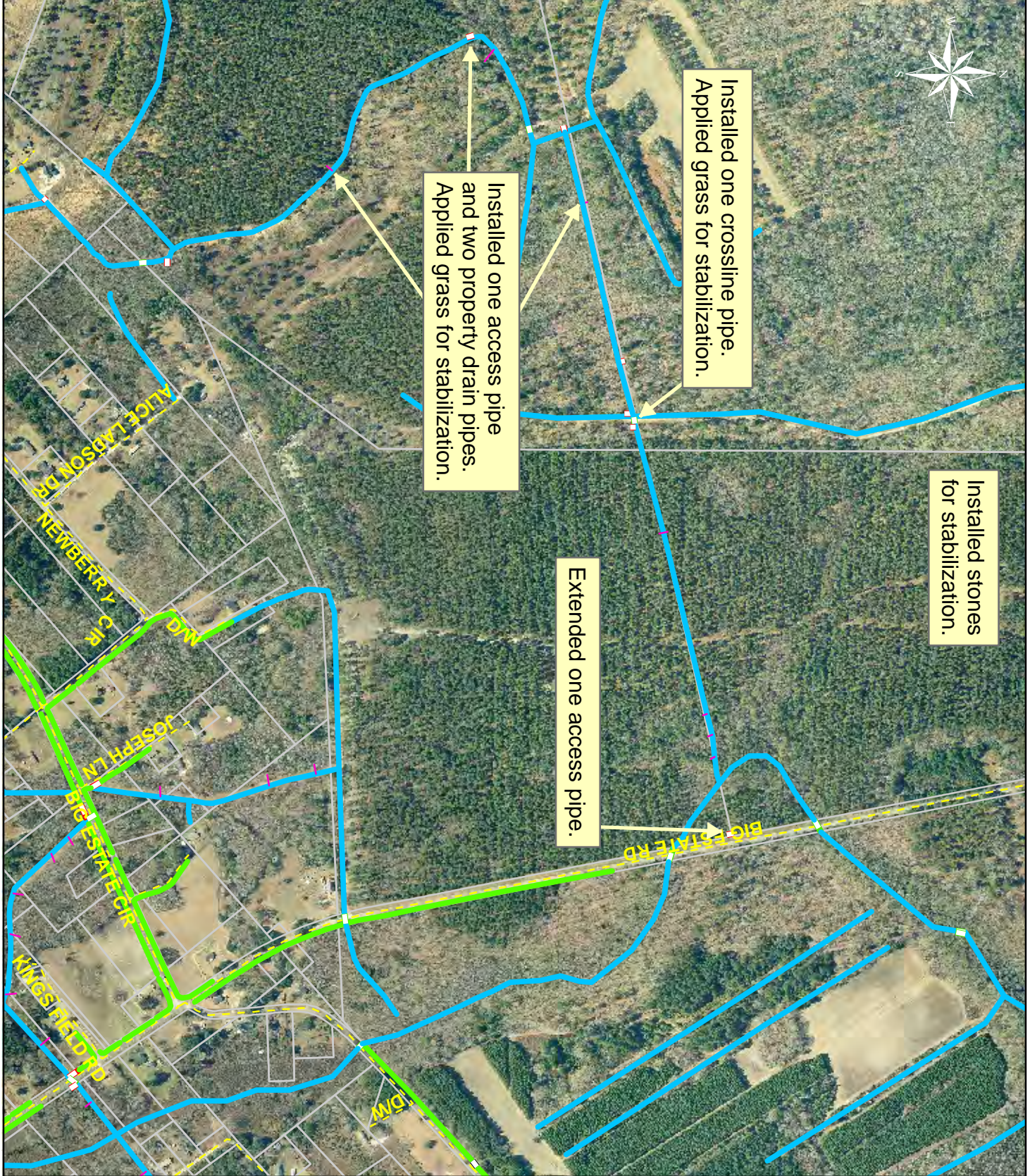


After





1 inch = 717 feet



Project:
Twickenham
Plantation Road
Phase II

Activity:
Drainage
Maintenance

Project #:
2007-98A

Township:
Sheldon

Completed:
November 2010

Legend	
Drainage Type	Symbol
River	Blue line
Stream	Light blue line
Outfall	Light blue line with white dashes
Lateral	Orange line
Lateral Pipe	Orange line with black dashes
Roadside	Green line
Roadside Pipe	Green line with black dashes
Crossline	Light green line
DW	Black and white dashed line
Access	Red and white dashed line
Piped	Blue and white dashed line
Bleeder	Pink line
Parcels	White square

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





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.

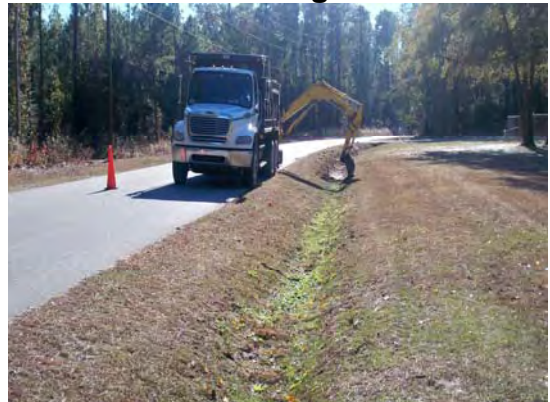
Resolution: This project cleaned out 800 feet of outfall ditch and 5,420 feet of roadside ditch. The Utility also installed straw mat and applied grass for stabilization.

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

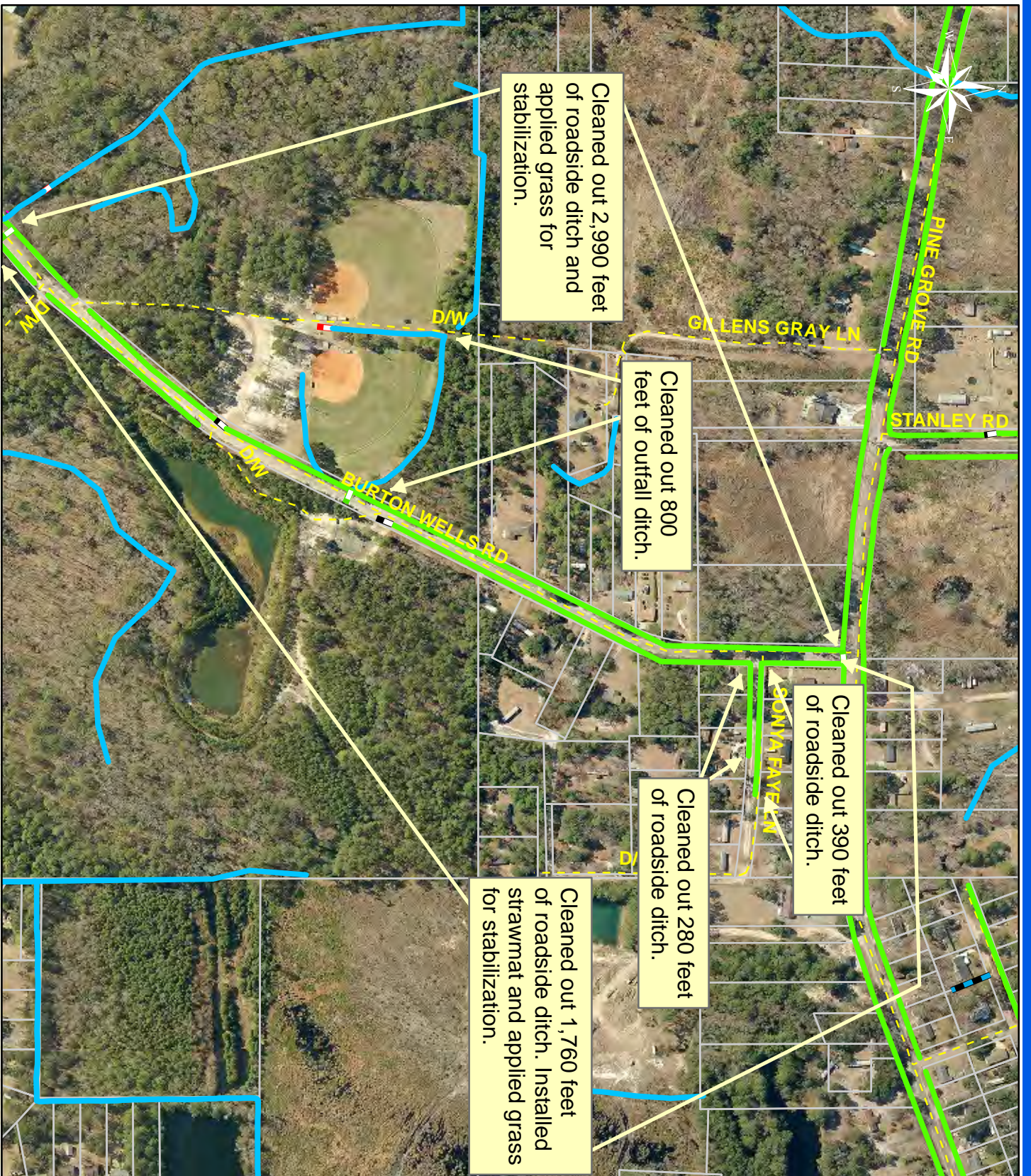


During



After





Cleaned out 2,990 feet of roadside ditch and applied grass for stabilization.

Cleaned out 800 feet of outfall ditch.

Cleaned out 390 feet of roadside ditch.

Cleaned out 280 feet of roadside ditch.

Cleaned out 1,760 feet of roadside ditch. Installed strawmat and applied grass for stabilization.



1 inch = 412 feet

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

Date Print: 7/25/11



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

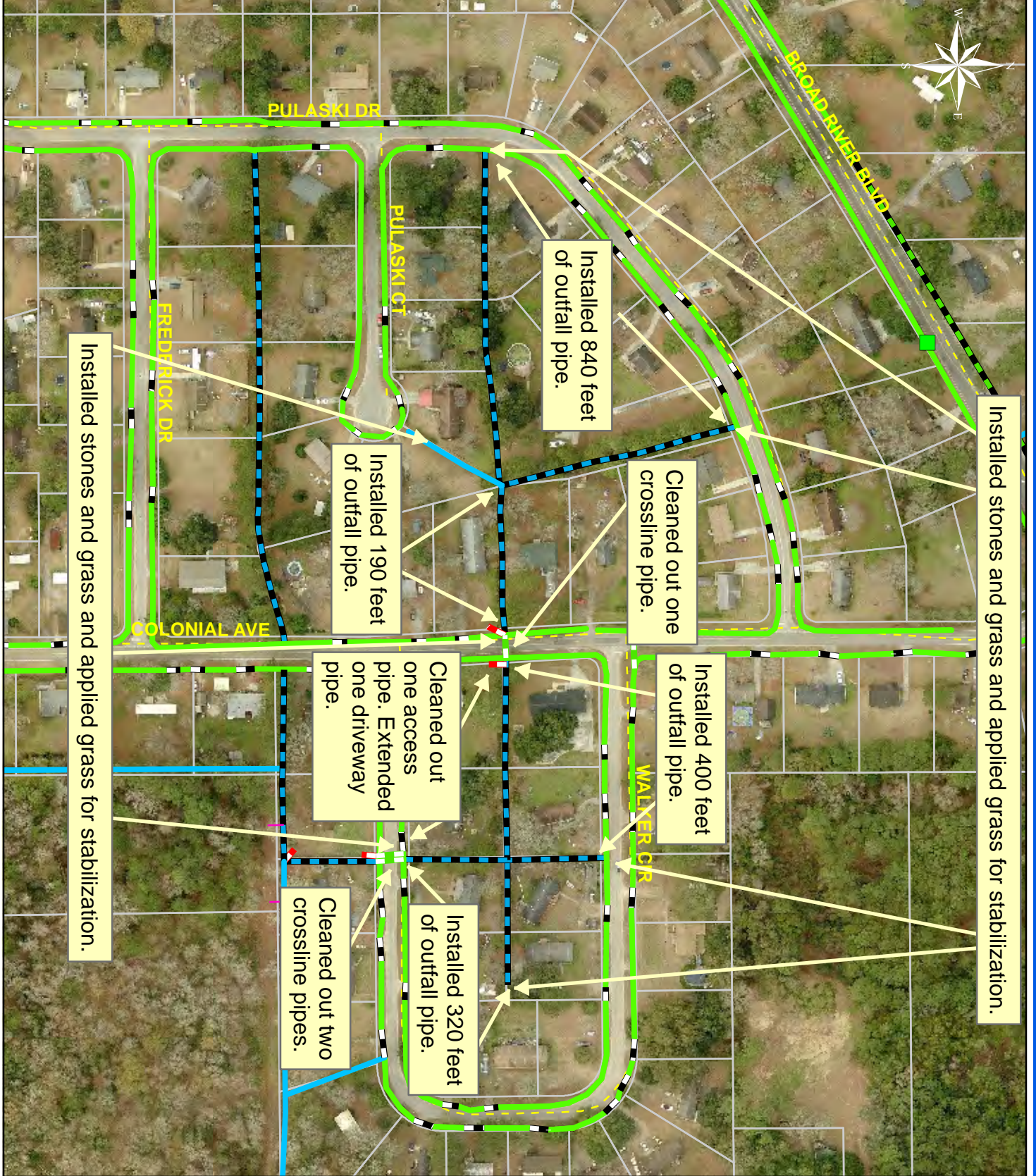


After





1 inch = 198 feet



Legend

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

Project:
Colonial Heights
Phase II

Activity: Drainage
Maintenance

Project #:
2011-047A

Township:
Port Royal Island

Completed:
January 2011



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.

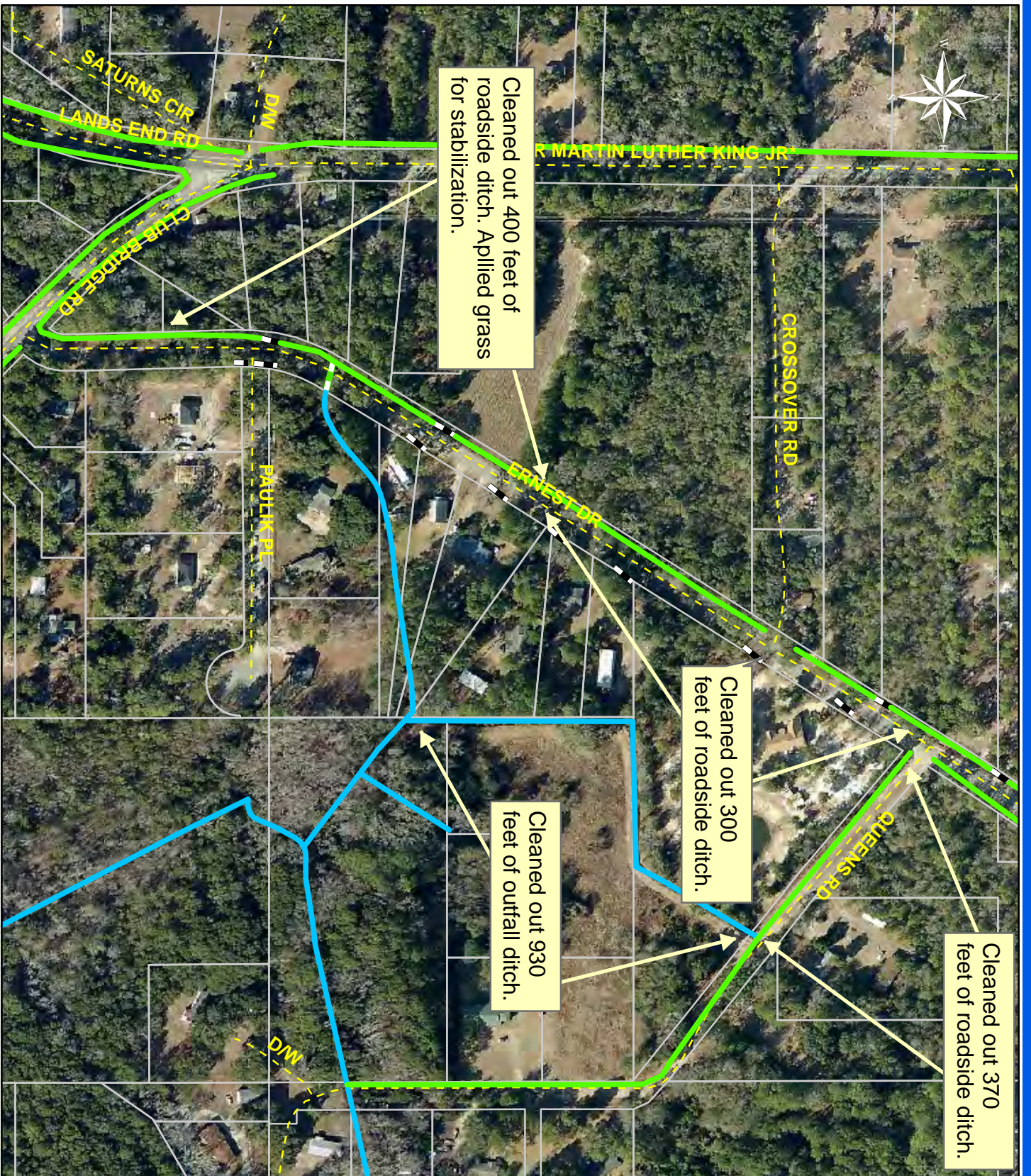
Cleaned out 4,100 feet of roadside ditch. Installed stones and applied grass for stabilization.

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



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



Project:
Warsaw Island
Road Outfall

Activity: Drainage
Maintenance

Project #:
2011-554

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



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.

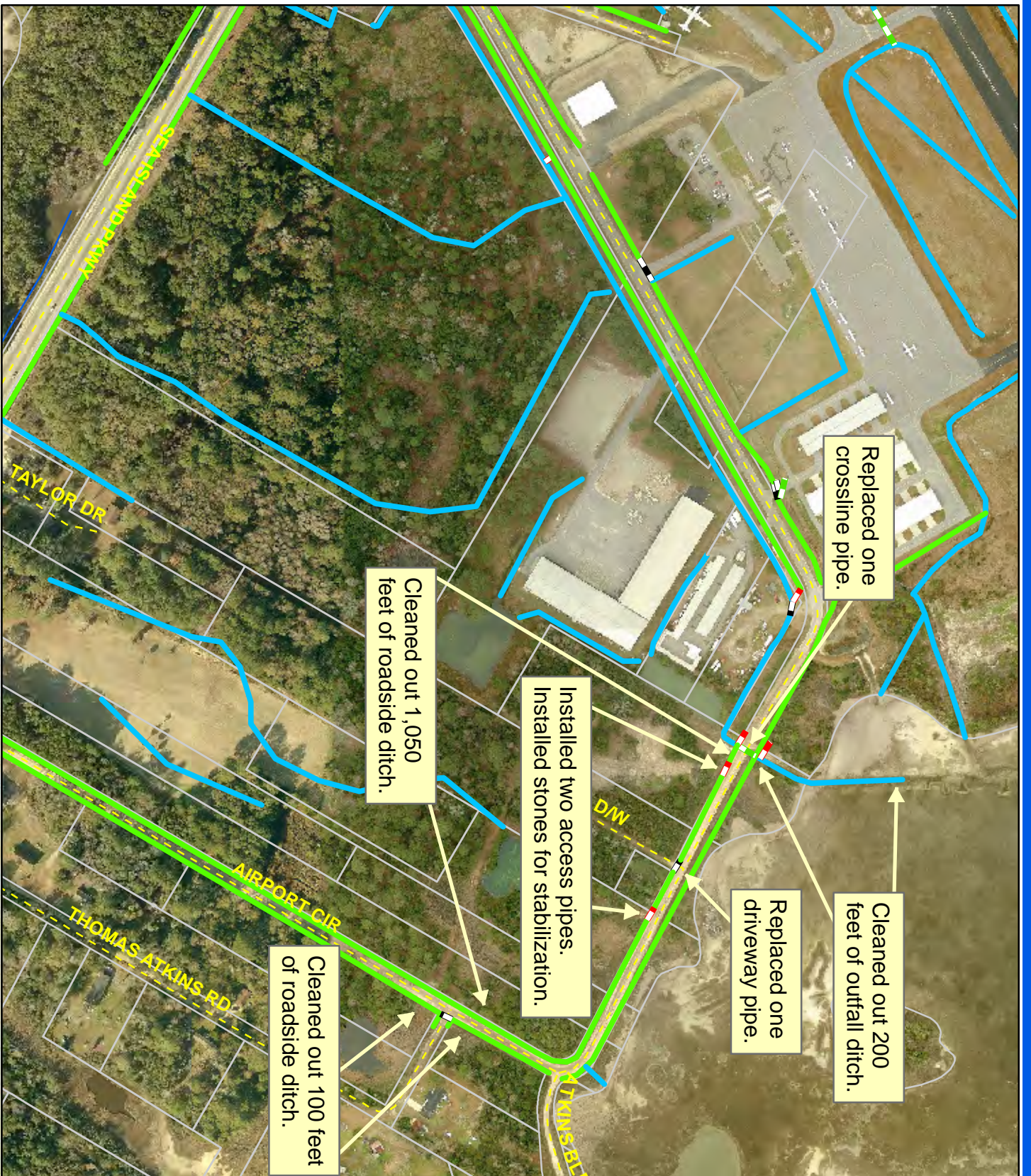
Area Benefited: This project allowed drainage for portions of Airport Circle, Thomas Atkins Road, and Atkins Boulevard.

During



After





Replaced one crossline pipe.

Cleaned out 1,050 feet of roadside ditch.

Installed two access pipes. Installed stones for stabilization.

Replaced one driveway pipe.

Cleaned out 200 feet of outfall ditch.

Cleaned out 100 feet of roadside ditch.

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

Project:
Airport Circle
Lady's Island

Activity: Drainage Maintenance

Project #: 2011-605

Township: Lady's Island

Completed: March 2011



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.

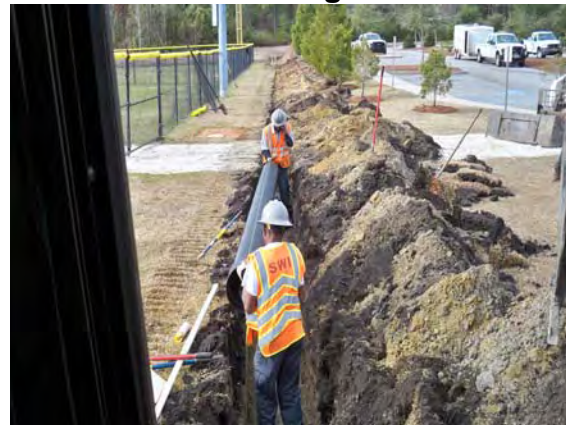
Resolution: This project removed blockage from the flowline, cleaned out 1,780 feet of roadside ditch, and constructed 370 feet of swale. The Utility also installed 240 feet of outfall pipe and repaired curb inlets, catch basins, a sinkhole, and washouts. Additionally, the Utility cleaned out five catch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

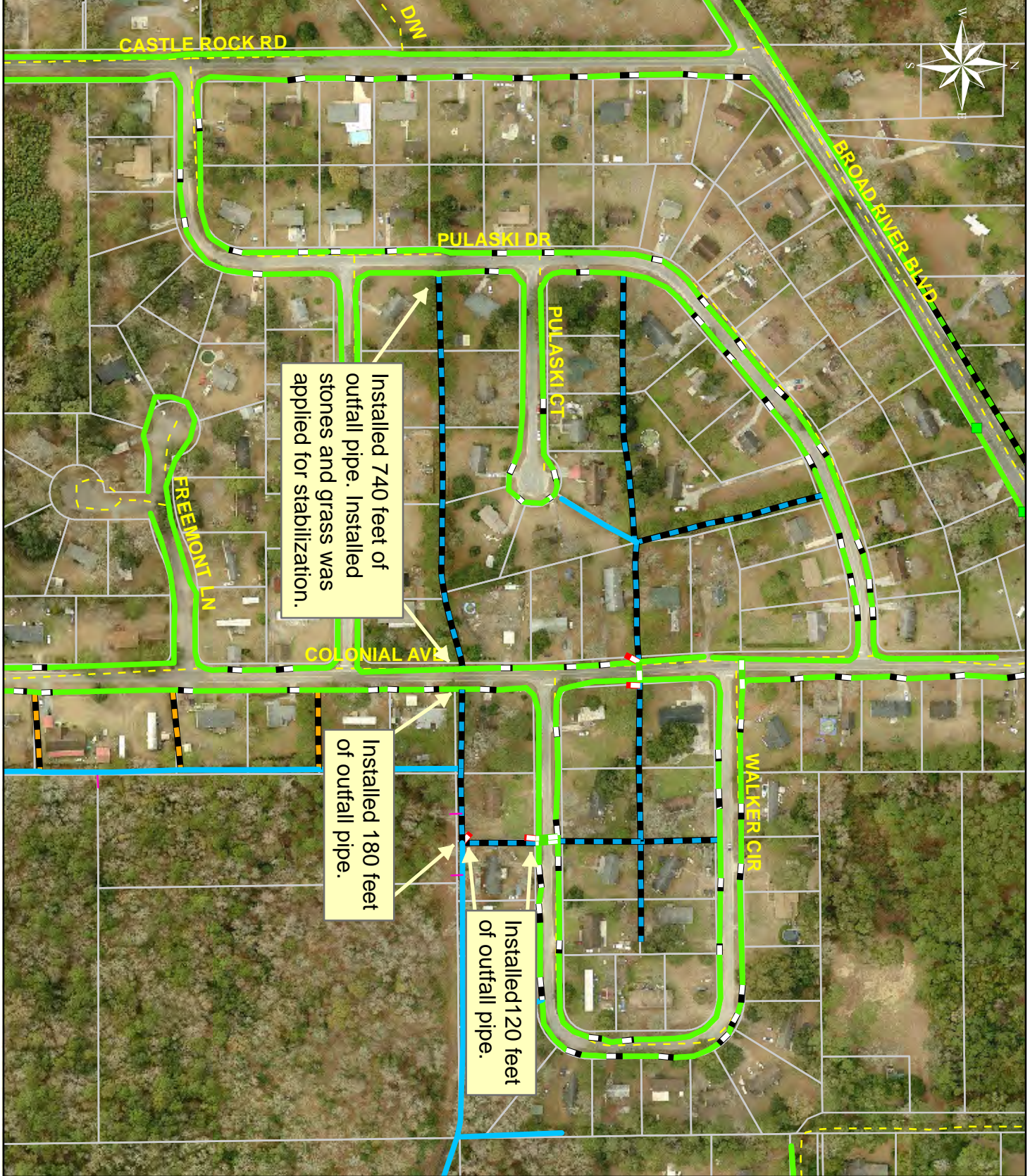


During



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



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



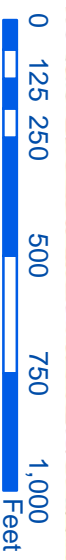
Project:
Old Miller Road

Activity: Drainage
Maintenance

Project #:
2011-505

Township:
Bluffton

Completed:
April 2011



1 inch = 408 feet

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

Date Print: 8/29/11



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.

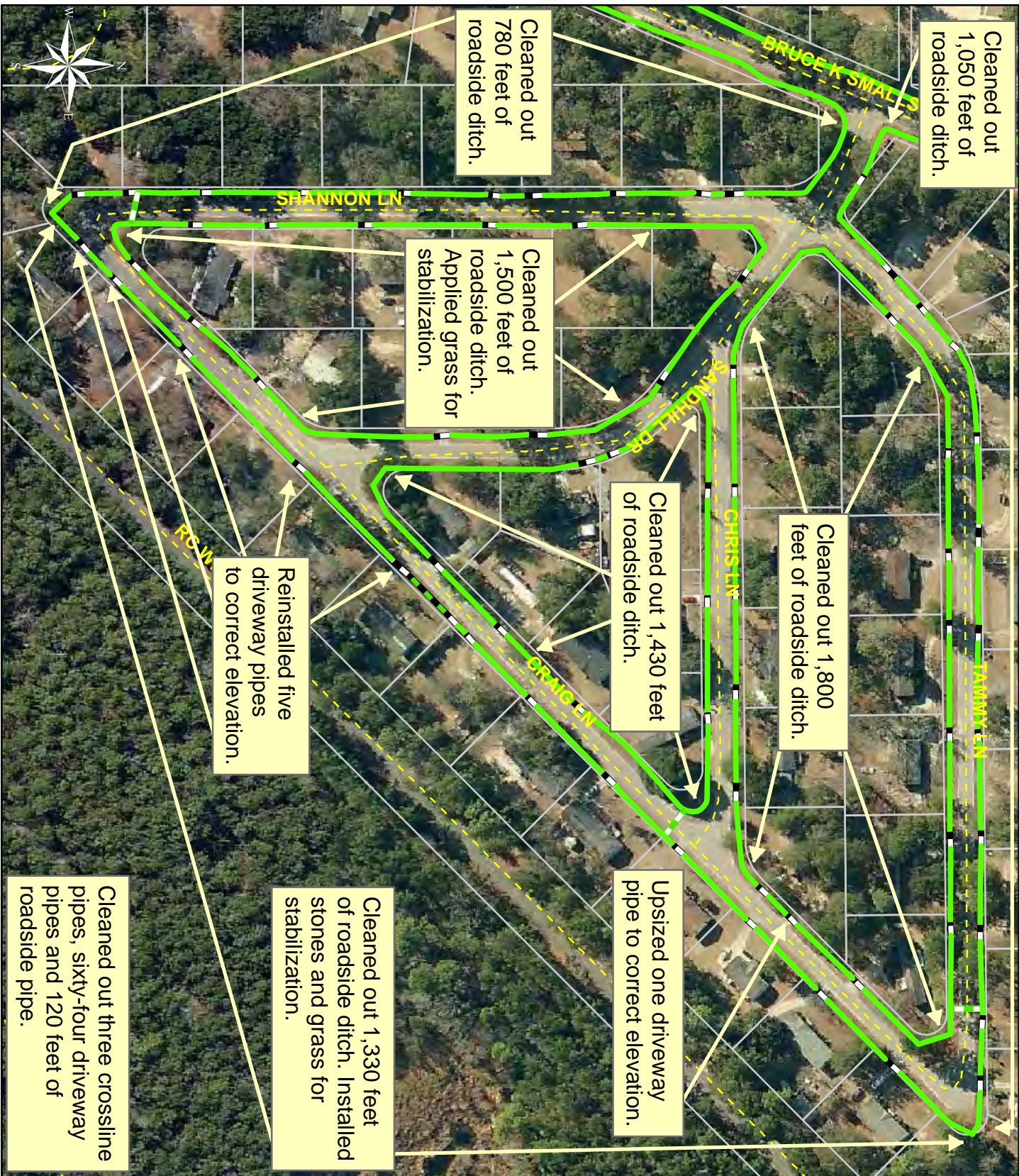
Cleaned out 1,430 feet of roadside ditch.

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.

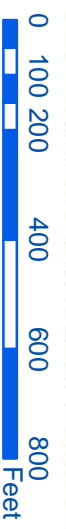
Installed four access pipes, one property drain pipe and two crossline pipes.

Installed five access pipes.

Applied grass for all affected outfall ditch areas for stabilization.

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

Installed two property drain pipes.



1 inch = 350 feet

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

Date Print: 11/30/11

Project:
Dawson-Haynes
Outfall

Activity: Drainage
Maintenance

Project #:
2011-006

Township:
St. Helena Island

Completed:
May 2011



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.

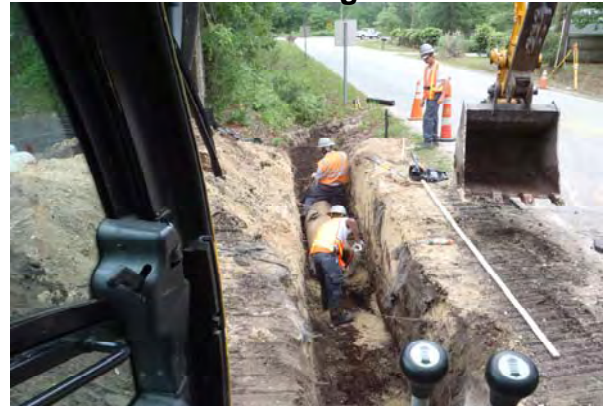
Resolution: This project cleared and reconstructed 380 feet of maintenance access and 1,170 feet of outfall ditch and cleaned out 470 feet of roadside ditch. The Utility also reinstalled one access pipe to correct elevation and cleaned out two crossline pipes. Additionally, the Utility installed stones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



Cleared and reconstructed
380 feet of maintenance
access.

Reconstructed 1,170 feet
of outfall ditch. Applied
grass for stabilization.

Cleaned out 470 feet of
roadside ditch. Applied
grass for stabilization.

Reinstalled one access
pipe. Installed stones for
stabilization.

Cleaned out two
crossline pipes.

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



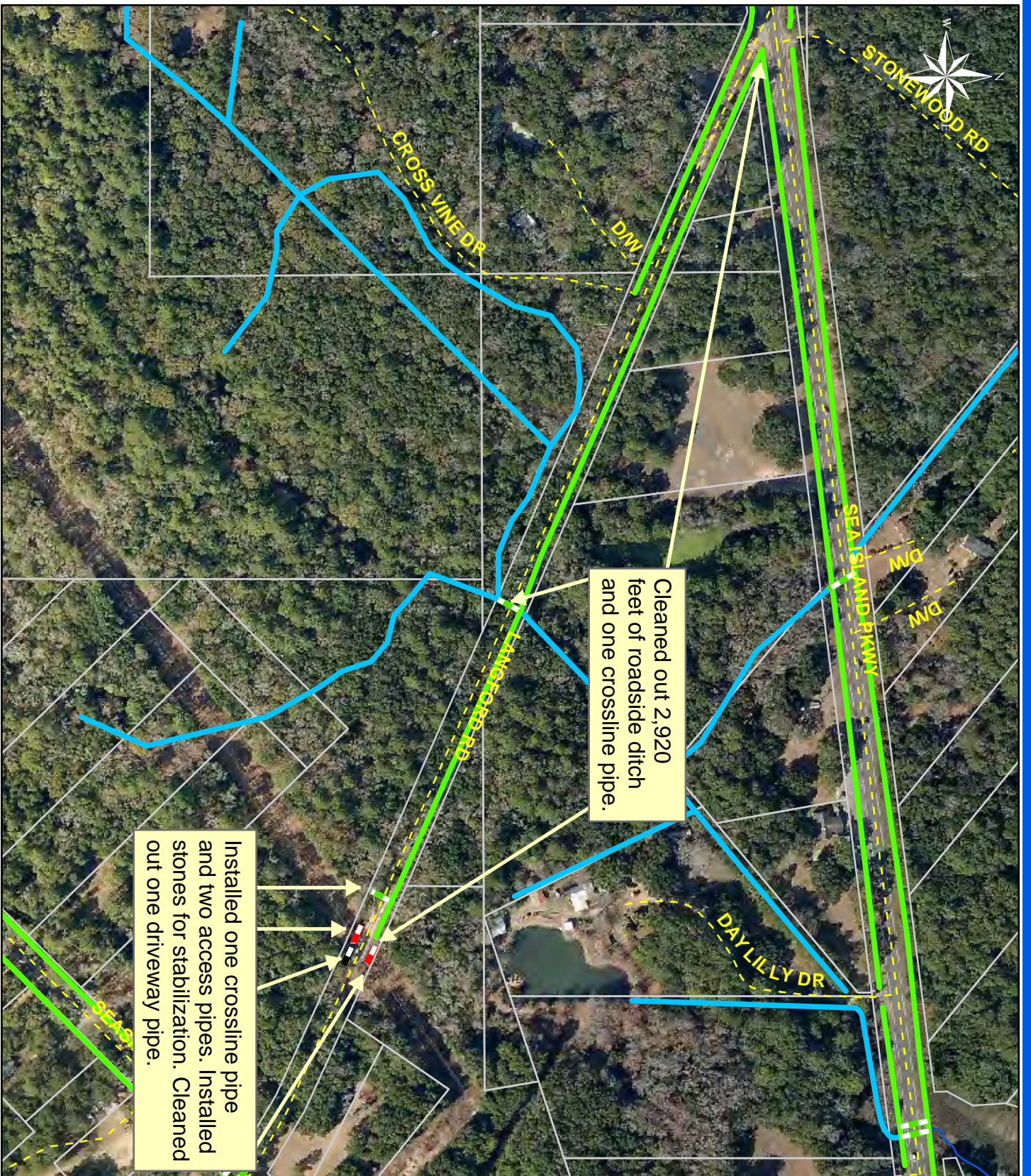
Project:
Langford Road

Activity: Drainage
Maintenance

Project #:
2011-577

Township:
St. Helena Island

Completed:
June 2011



1 inch = 274 feet

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

Date Print: 11/28/11



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



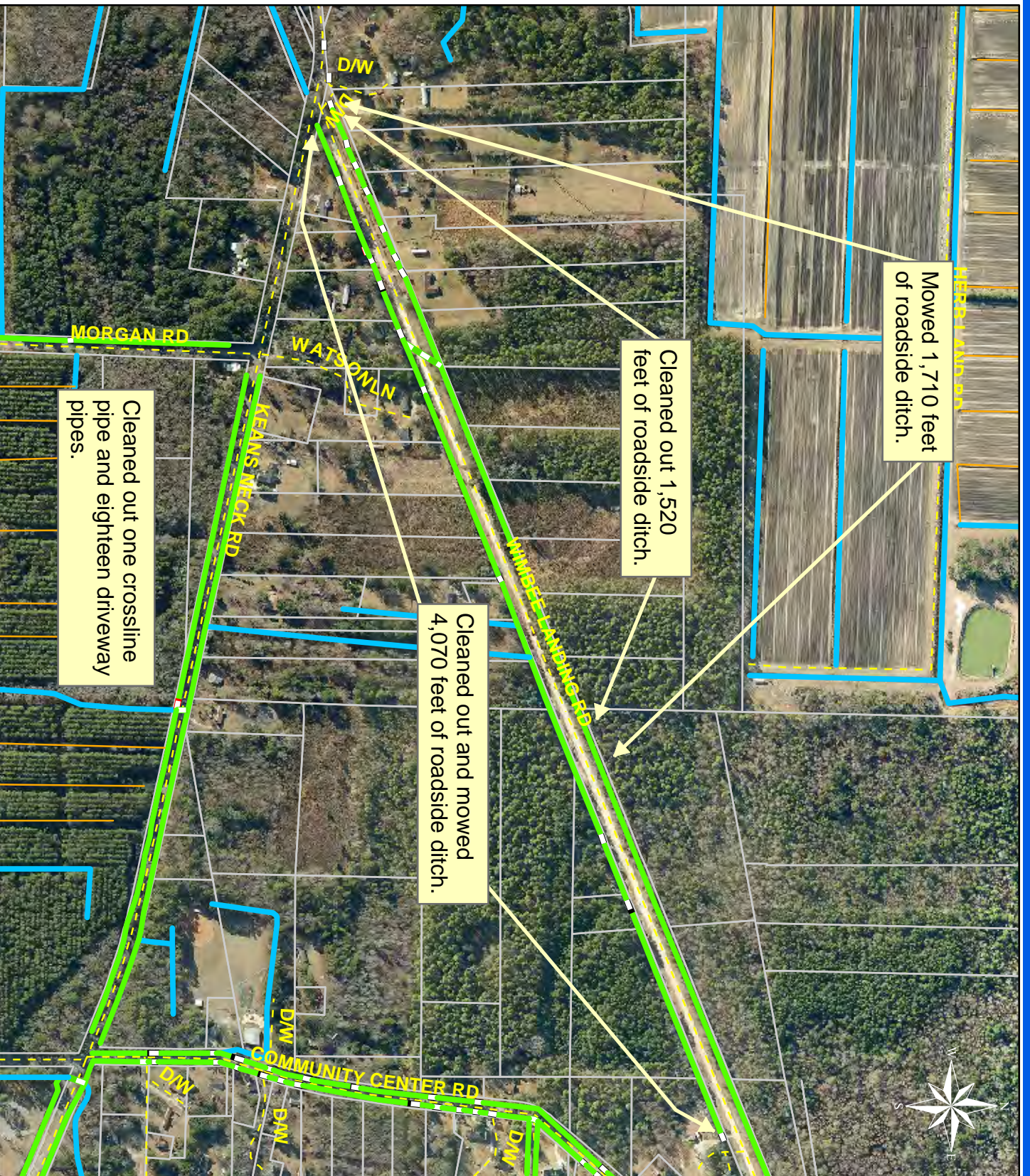
Project:
Wimbee Landing
Road

Activity: Drainage
Maintenance

Project #:
2011-635

Township:
Sheldon

Completed:
June 2011



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



Maintenance Requirement and Life Cycle

Stormwater System	Maintenance Requirement	Life Cycle
Level 1 - The majority of this stormwater system is open ditches.	Pipe maintenance and inspection (two years), ditch excavation (two to four years), semi-annual to annual mowing, back slope maintenance (five years), flap gate inspection - (semi annually); and flap gate replacement (ten years).	20-25 years
Level 2 - This is a stormwater system that has a combination of open ditches and pipes installed.	Pipe maintenance and inspection (two years), catch basin maintenance (seven years), catch basin inspection (two years), ditch excavation (two to four years), semi-annual to annual mowing, back slope maintenance (five years), flap gate inspection (semi-annual), and flap gate replacement (ten years).	25-28 years
Level 3 - This entire stormwater system has pipes installed.	Pipe maintenance (five to ten years), pipe inspection (two years), catch basin maintenance (seven years), catch basin inspection (two years), semi-annual to annual mowing, flap gate inspection (semi-annual), and flap gate replacement (ten years).	30 years

Project Summaries For Fiscal Year 2003

Project #	Project Name	Completion Date	Maintenance Requirement
2002-18	Warsaw Island Outfall	October 2002	Level 1
2003-43	North Royal Pines Drainage - Phase I	June 2003	Level 3
2002-24	Pine Run Trail	May 2003	Level 3

Project Summaries For Fiscal Year 2004

Project #	Project Name	Completion Date	Maintenance Requirement
2005-22	Ashley Drive/Woodbine Avenue	November 2003	Level 3
2003-02	Shorts Landing Outfall/ Maggioni Ditch	March 2004	Level 3
2004-57	Nathan Pope Road Outfall	January 2004	Level 1
2005-52	Allendale/ Fairfax Phase II	January 2004	Level 2
2002-15	Community Bible	October 2003	Level 3
2004-91	North Royal Pines Drainage - Phase II	September 2003	Level 3

Project Summaries For Fiscal Year 2005

Project #	Project Name	Completion Date	Maintenance Requirement
2004-99	Colonial Heights Outfall and Lateral	June 2005	System upgraded in 2011
2004-42	Mitchell Road	May 2005	Level 1
2005-86	Old Dawson Acres Road	February 2005	Level 2
2004-85	David Green Outfall	January 2005	Level 1
2004-23	Huspah Drive Outfall	July 2004	Level 1
2003-89/ 2003-90/ 2005-77	Bailey Circle and Nix Road	March 2005	Level 1
2003-06	Wimbee Landing Road Outfall	July 2004	Level 1
2002-30	Old County Shed Road Outfall	October 2004	Level 3
2004-38	Salem Drive West Outfall/Lateral	June 2005	Level 3
2004-16	Forest Fields	March 2005	Level 1

Project #	Project Name	Completion Date	Maintenance Requirement
2005-75	Town of Hilton Head Island - Main Street	March 2005	Level 2

Project Summaries For Fiscal Year 2006

Project #	Project Name	Completion Date	Maintenance Requirement
2007-36	Wimbee Landing Crosslines	March 2006	Level 3
2006-88	St. Pauls Church Road	October 2005	Level 3
2007-51	Providence Road	May 2006	Level 1
2003-86	Patterson Outfall/Joe Allen Drive	August 2005	Level 3
2004-89	Pinewood Circle Outfall	August 2005	Level 2
2006-16	Laurel Acres/Pine Grove	June 2006	Level 1

Project #	Project Name	Completion Date	Maintenance Requirement
2006-06	City of Beaufort - Battery Shores	October 2005	Level 3
2006-90	City of Beaufort - King Street Pond (Lake At The Point)	November 2005	Level 3
2006-07	City of Beaufort - Depot Road (May Thru June)	June 2006	Level 3

Project Summaries For Fiscal Year 2007

Project #	Project Name	Completion Date	Maintenance Requirement
2007-120	Thomas Lawton Drive	August 2007	Level 1
2007-46	Westbury Park	September 2006	Level 1
2007-58	Lost Island Road	July 2006	Level 1
2007-90	Big Estate Phase I	July 2007	Level 1
2007-41	Chowan Creek Road	March 2007	Level 1
2004-68	Little Capers Road	March 2007	Level 1
2003-50	Irongate Subdivision	October 2006	Level 2
2007-44	Roseida Road/Powell Drive Outfall	April 2007	Level 1
2006-13	River's End Subdivision	October 2007	Level 2
2006-12	Daufuskie Island	August 2007	Level 2

Project #	Project Name	Completion Date	Maintenance Requirement
2006-07	City of Beaufort - Depot Road	February 2007	Level 3

Project #	Project Name	Completion Date	Maintenance Requirement
2004-46	Town of Bluffton - Habitat For Humanity	March 2007	Level 2

Project #	Project Name	Completion Date	Maintenance Requirement
2007-77	Town of Hilton Head Island - Cordillo Parkway/Coligny Park	November 2006	Level 1

Project Summaries For Fiscal Year 2008

Project #	Project Name	Completion Date	Maintenance Requirement
2007-120	Thomas Lawton Drive Outfall	August 2007	Level 1
2007-90	Big Estate Phase I - Horsetail/Dash Road	July 2007	Level 1
2008-099	Brilliant Lane	May 2008	Level 1
2007-137	Halifax Drive Outfall	December 2007	Level 1
2007-141	Bluffton Center	October 2007	Level 2
2007-145	Hewlett Road	January 2008	Level 1
2007-20	Joe Allen Road	October 2007	Level 3
2007-102	Oakhurst Subdivision	November 2007	Level 1
2007-149	Big Estate Phase II - Big Estate Circle	November 2007	Level 1
2008-034	Peaches Hill Circle	April 2008	Level 1
2004-21	Archie Sumpter Road	June 2008	Level 1
2008-142	Simmons Road	July 2008	Level 1
2006-13	River's End Subdivision	October 2007	Level 2
2006-12	Daufuskie Island	August 2007	Level 3
2005-099	Windy Lakes	July 2008	Level 3
2004-06	Mink Point	July 2008	Level 3
2008-144	Bluffton Parkway	July 2008	Level 1

Project #	Project Name	Completion Date	Maintenance Requirement
2007-92	City of Beaufort - Stone Marten	November 2007	Level 3

Project #	Project Name	Completion Date	Maintenance Requirement
2003-48	Town of Bluffton - Bluffton Resource Conservation and Development Ditch	January 2008	Level 1

Project #	Project Name	Completion Date	Maintenance Requirement
2008-18	Town of Hilton Head Island - Marblehead	September 2007	Level 1
2007-158	Town of Hilton Head Island - Hunter Road	April 2008	Level 1
2008-094	Town of Hilton Head Island - Shipyard Drive	June 2008	Level 1

Project Summaries For Fiscal Year 2009

Project #	Project Name	Completion Date	Maintenance Requirement
2008-142	Simmons Road	July 2008	Level 1
2008-144	Bluffton Parkway	October 2007	Level 1
2005-099	Windy Lakes Subdivision	July 2008	Level 3
2009-132	St. Helena Island Bush Hog	June 2009	Level 1
2008-163	Rail Bed Road Outfall	January 2009	Level 2
2009-25	Lady's Island Bush Hog	March 2009	Level 1
2009-041	Paige Point Bluff	December 2008	Level 1
2008-145	Hickory Hill Road	August 2008	Level 3
2004-06	Mink Point	July 2008	Level 3
2008-141	Paige Point Bluff	July 2008	Level 1
2009-152	St. Helena Island Bush Hog	May 2009	Level 1
2009-148	Sheldon Bush Hog	January 2009	Level 1
2009-023	Huspah Court North	November 2008	Level 1
2008-193	White Sands Circle/ Shiney Road	December 2008	Level 1
2009-109	Adams Circle	March 2009	Level 3
2009-116	Royal Pines Subdivision Phase I	April 2009	Level 2
2009-082	Harding Street Outfall	February 2009	Level 3
2009-145	St. Helena Island Bush Hog	February 2009	Level 1
2009-100	Millidge Village Road/Glaze Drive	February 2009	Level 1
2009-001	Port Royal Bush Hog - Lambert Drive	March 2009	Level 1
2005-020	Country Manor	February 2009	Level 1
2004-98	William Jenkins Road Outfall	August 2008	Level 2
2009-114	L.H. Nelson Drive/Hale Street	April 2009	Level 1
2009-003	Capehart Circle	June 2009	Level 1
2009-029	Gray Road Outfall	January 2009	Level 1
2008-106	Alumni Road	September 2008	Level 2
2009-073	Forrest Field Road Outfall	March 2009	Level 1
2008-105	Audobon Subdivivson	July 2009	Level 2

Project #	Project Name	Completion Date	Maintenance Requirement
2009-110	City of Beaufort - Battery Shores Phase I & II	June 2009	Level 2

Project #	Project Name	Completion Date	Maintenance Requirement
2008-144	Town of Bluffton - Bluffton Parkway	July 2008	Level 1

Project #	Project Name	Completion Date	Maintenance Requirement
2009-046	Town of Hilton Head Island - Jarvis Creek Park	November 2008	Level 1
2008-138	Town of Hilton Head Island - Firethorne Lane	July 2008	Level 3
2009-047	Town of Hilton Head Island - Harbor Master	December 2008	Level 3
2009-020	Town of Hilton Head Island - Mead Lane	October 2008	Level 3

Project Summaries For Fiscal Year 2010

Project #	Project Name	Completion Date	Maintenance Requirement
2008-105	Audubon Woods Subdivision Phase I & II	July 2009	Level 2
2009-122	Airport Circle	July 2009	Level 1
2010-089	Halifax Drive	December 2009	Level 1
2010-204	Cape Jasmine Street	April 2010	Level 1
2008-179	Westbury Park Outfall	June 2010	Level 1
2010-083	Forest Field Subdivision - Clydesdale Circle	November 2009	Level 1
2010-112	Royal Pines Outfall- Sam's Point Road	February 2010	Level 1
2010-061	Dolphin Point Drive	October 2009	Level 1
2009-123	Washington Farm Road	September 2009	Level 1
2010-247	Pinewood Circle East/West and Joe Frazier Outfall	June 2010	Level 1
2010-023	Coakley Drive	September 2009	Level 1
2010-163	Shed Road	March 2010	Level 1
2004-103	Bruce K. Smalls Drive Outfall - Smith Road, Smalls Hills Rd , Gamecock Way, Mulrain Road and Webb Road	February 2010	Level 1
2009-105	The Avenue	February 2010	Level 2
2010-027	Peaches Hill Road	March 2010	Level 1
2009-164	Halifax Road Phase III	October 2009	Level 1
2009-140	Community Center Road	July 2009	Level 2
2010-158	Wimbee Landing Road	April 2010	Level 1
2010-060	Port Royal Island Bush Hog	September 2009	Level 1
2010-152	Kinlaw Lane	April 2010	Level 3
2010-196	Forest Field Subdivision - Providence Road	May 2010	Level 1
2010-165	Luther Lane and Candy Johnson Drive	June 2010	Level 1
2009-125	Middle River Road	August 2009	Level 3
2006-30	Pleasant Point Drive Outfall	October 2009	Level 2
2010-124	Windy Lakes Phase II/Sugaree Drive and Lotus Court	June 2010	Level 3
2004-86	Prescott Road	March 2010	Level 1
2010-167	Royal Pines Subdivision - Thomas Sumpter Street	March 2010	Level 1
2009-135	Oyster Street	September 2009	Level 1
2010-154	Middlefield Circle and Middlefield Court	March 2010	Level 1

Project #	Project Name	Completion Date	Maintenance Requirement
2009-129	Toomer Road/Old Ben Road	July 2009	Level 1
2010-128	Halifax Road	March 2010	Level 1
2009-103	Mattis Drive Outfall	September 2009	Level 2
2010-001	Cape Hart Circle Phase II	August 2009	Level 3
2010-082	Ephraim Road Outfall	April 2010	Level 2
2010-119	Burton Wells Park Outfall Ph II	June 2010	Level 3
2003-75	Lightsey Road Outfall	September 2009	Level 1
2010-074	Burton Wells Park Ph I	May 2010	Level 1
2003-047	Duncan Farms Outfall	December 2009	Level 1
2007-98	Twickenham Plantation Road And Swallowtail Lane	March 2010	Level 1

Project #	Project Name	Completion Date	Maintenance Requirement
2009-110B	City of Beaufort - Battery Shores - Phase III	July 2009	Level 3

Project Summaries For Fiscal Year 2011

Project #	Project Name	Completion Date	Maintenance Requirement
2011-051A	Josephine Drive Phase II	November 2010	Level 1
2011-605	Airport Circle	March 2011	Level 1
2011-526	Island Tank	October 2010	Level 1
2011-577	Langford Road	June 2011	Level 1
2011-535	Horace Dawson Lane	August 2010	Level 1
2008-013	Polite Drive	July 2010	Level 3
2010-094	Airport Circle	July 2010	Level 1
2010-256	Thomas Sumpter Street	July 2010	Level 3
2011-501	Cherry Point Road	August 2010	Level 1
2011-560	Daufaskie Island: Church Road	September 2010	Level 1
2011-040	Leo Green Road	October 2010	Level 1
2011-505	Old Miller Road	April 2011	Level 2
2011-544	Little Capers Road Outfall	October 2010	Level 2
2011-300A	St. Helena Island Bush Hog	October 2010	Level 1
2011-300B	St. Helena Island Bush Hog	March 2011	Level 1
2011-554	Warsaw Island Road Outfall	February 2011	Level 1
2011-569	Lady's Island Park	June 2011	Level 1
2010-051	Ashepoo Drive	July 2010	Level 3
2011-543	Oree Road, Floyd Road and Bull Corner Road	December 2010	Level 1
2011-635	Wimbee Landing Road	June 2011	Level 2
2011-524A	Keans Neck Road Outfall	November 2010	Level 1
2011-303A	Sheldon Bush Hog	September 2010	Level 1
2010-084	William Campbell Road Outfall	October 2010	Level 1
2011-301A	Port Royal Island Bush Hog	November 2010	Level 1
2011-019	West River Drive	September 2010	Level 1
2011-556	Burton Wells Road and Sonya Faye Lane	January 2011	Level 2
2010-194	Fair Road And Riley Road	July 2010	Level 1
2010-237	Forest Field - Clydesdale Circle, Quarter Horse, Pony Avenue	July 2010	Level 1
2011-303B	Sheldon Bush Hog	March 2011	Level 1
2011-051	Josephine Drive Phase I	October 2010	Level 2
2011-594	Burton Wells Complex	March 2011	Level 3
2010-216	Wimbee Creek Landing, Wimbee Creek Road, Kinloch Road, Honeybee Island Road	September 2010	Level 1
2011-564	Possum Hill Road Outfall	April 2011	Level 1
2011-581	Ernest Drive And Queens Road	February 2011	Level 2

Project #	Project Name	Completion Date	Maintenance Requirement
2007-98A	Twickenham Plantation Road Phase II	November 2010	Level 1
2011-047B	Colonial Heights Phase III	February 2011	Level 3
2011-047C	Colonial Heights Phase IV	March 2011	Level 3
2011-047D	Colonial Heights Phase V	April 2011	Level 3
2011-596	Sandhill Estates Subdivision - Sandhill Drive, Shannon Lane, Tammy Lane, Craig Lane and Chris Lane	April 2011	Level 2
2011-572	Pinewood Circle	October 2010	Level 1
2011-047	Colonial Heights Phase I	October 2010	Level 3
2011-006	Dawson/Haynes Outfall	May 2011	Level 2
2011-047A	Colonial Heights Phase II	January 2011	Level 3
2010-086	Chisolm Hill Road	August 2010	Level 1



Auditor's Appendices

APPENDIX A

A random sample of projects exceeding \$20,000 in cost was selected using a random number generator. Based on the grand total of project costs from fiscal year 2003 through 2011, prior to revisions, 61% coverage was obtained through the following sample:

Fiscal Year	Project Number	Project Name	Unrevised Project Cost	Support Provided?	Net Variance Noted
2011	2011-569	LADY'S ISLAND PARK	\$ 29,559	Yes	\$ (65)
2011	2010-084	WILLIAM CAMPBELL ROAD	39,307	Yes	178
2011	2011-006	DAWSON/HAYNES	97,358	Yes	(339)
2011	2011-526	ISLAND TANK	21,131	Yes	18
2011	2010-051	ASHEPOO DRIVE	30,855	Yes	-
2011	2011-051A	JOSEPHINE DRIVE PHASE II	20,464	Yes	-
2011	2011-300B	ST.HELENA ISLAND BUSH HOG	27,662	Yes	122
2011	2011-047C	COLONIAL HEIGHTS PHASE IV	59,006	Yes	1,345
2011	2011-544	LITTLE CAPERS ROAD OUTFALL	27,180	Yes	(62)
2011	2011-564	POSSUM HILL ROAD	50,932	Yes	(160)
2011	2011-505	OLD MILLER ROAD - ROADSIDE DITCHES	26,455	Yes	(550)
2011	2011-300A	ST.HELENA ISLAND BUSH HOG	27,334	Yes	-
2011	2011-556	BURTON WELLS ROAD AND SONYA FAYE LANE	42,627	Yes	(495)
2011	2011-501	CHERRY POINT ROAD	23,479	Yes	14
2011	2011-596	SAND HILL ESTATES- TAMMY LANE, CRAIG LANE, SHANNON LANE, CHRIS LANE, SAND HILL DRIVE	66,182	Yes	1,656
2011	2011-635	WIMBEE LANDING ROAD	31,899	Yes	(121)
2011	2011-560	DAUFASKIE ISLAND - CHURCH ROAD	25,125	Yes	(395)
2011	2011-301A	PORT ROYAL ISLAND BUSH HOG	39,474	Yes	(1,314)
2011	2011-577	LANGFORD ROAD	21,643	Yes	22
2011	2010-094	AIRPORT CIRCLE	22,910	Yes	273
2011	2011-524A	KEANS NECK ROAD OUTFALL	32,605	Yes	(225)
2011	2011-047D	COLONIAL HEIGHTS PHASE V	63,132	Yes	(16)
2011	2011-047	COLONIAL HEIGHTS PHASE I	75,841	Yes	76
2011	2010-194	FAIR ROAD AND RILEY ROAD	43,210	Yes	-
2011	2011-535	HORACE DAWSON LANE	22,532	Yes	-
2011	2011-047B	COLONIAL HEIGHTS PHASE III	55,363	Yes	47
2011	2011-019	WEST RIVER DRIVE	39,586	Yes	(452)
2011	2010-256	THOMAS SUMPTER STREET	23,525	Yes	-
2011	2010-237	FOREST FIELD - CLYDESDALE CIR, QUARTER HORSE, PONY AVE	44,857	Yes	-
2011	2011-594	BURTON WELLS COMPLEX	47,327	Yes	(158)
2011	2011-051	JOSEPHINE DRIVE PHASE I	46,443	Yes	(40)
2011	2011-303A	SHELDON BUSH HOG	34,419	Yes	(68)
2011	2011-047A	COLONIAL HEIGHTS PHASE II	131,446	Yes	(206)

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Fiscal Year	Project Number	Project Name	Unrevised Project Cost	Support Provided?	Net Variance Noted
2011	2010-216	WIMBEE CREEK LANDING, WIMBEE CREEK ROAD, KINLOCH ROAD AND HONEYBEE ISLAND ROAD	47,445	Yes	40
2010	2010-061	DOLPHIN POINT	23,505	Yes	-
2010	2010-154	MIDDLEFIELD OCIRCLE AND MIDDLEFIELD COURT	50,064	Yes	(139)
2010	2010-167	ROYAL PINES SUBDIVISION-THOMAS SUMPTER STREET	45,807	Yes	-
2010	2008-179	WESTBURY PARK PHASE I	22,271	Yes	(990)
2010	2010-119	BURTON WELLS BALL PARK	106,795	Yes	-
2010	2010-163	SHED ROAD	27,706	Yes	-
2010	2010-112	SAM'S POINT ROAD - ROYAL PINES OUTFALL	23,482	Yes	-
2010	2010-247	PINEWOOD CIRCLE EAST / WEST AND JOE FRAIZER OUTFALL	25,254	Yes	-
2010	2009-105	THE AVENUE	28,755	Yes	-
2010	2010-152	KINLAW LANE	31,299	Yes	(45)
2010	2010-128	HALIFAX ROAD	65,953	Yes	959
2010	2010-027	PEACHES HILL ROAD	29,211	Yes	(11)
2010	2007-98	TWICKENHAM PLANTATION ROAD AND SWALLOWTAIL LANE	292,027	Yes	(518)
2010	2010-023	COAKLEY DRIVE	25,594	Yes	(4)
2010	2009-135	OYSTER STREET	46,889	Yes	(621)
2010	2009-103	MATTIS DRIVE OUTFALL	67,168	Yes	(55)
2010	2009-125	MIDDLE RIVER ROAD	37,623	Yes	(8)
2010	2009-140	COMMUNITY CENTER ROAD	30,085	Yes	(75)
2010	2010-074	BURTON WELLS PARK	135,611	Yes	609
2010	2010-158	WIMBEE LANDING ROAD	30,324	Yes	-
2010	2010-124	WINDY LAKES PHASE II/ SUGAREE DRIVE AND LOTUS COURT	41,243	Yes	(133)
2010	2010-089	HALIFAX DRIVE	21,024	Yes	568
2010	2009-110B	CoB-BATTERY SHORES-PHASE III	75,723	Yes	218
2010	2009-164	HALIFAX ROAD PHASE III	29,337	Yes	49
2010	2010-001	CAPE HART CIRCLE PHASE II	91,187	Yes	(93)
2010	2006-30	PLEASANT POINT DRIVE	39,326	Yes	4
2010	2003-047	DUCAN FARMS OUTFALL	144,612	Yes	(43)
2009	2009-020	ToHHI- MEAD LANE	88,664	Yes	(407)
2009	2008-106	ALUMNI ROAD	101,967	Yes	5,203
2009	2009-110	CoB-BATTERY SHORES PHASE I & II	63,484	Yes	828
2009	2009-046	ToHHI- JARVIS CREEK PARK	20,334	Yes	1,426
2009	2009-001	PORT ROYAL BUSH HOG-LAMBERT DRIVE	47,623	Yes	25

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Fiscal Year	Project Number	Project Name	Unrevised Project Cost	Support Provided?	Net Variance Noted
2009	2009-152	ST. HELENA ISLAND BUSH HOG - CEE CEE ROAD	28,698	Yes	545
2009	2009-041	PAIGE POINT BLUFF	23,858	Yes	(752)
2009	2008-145	HICKORY HILL ROAD	24,031	Yes	289
2009	2008-193	WHITE SANDS/ SHINEY ROAD	33,325	Yes	(6)
2009	2009-145	ST. HELENA ISLAND/LADY'S ISLAND BUSH HOG	37,478	Yes	(1,773)
2009	2009-047	ToHHI- HARBOR MASTER	54,146	Yes	23
2009	2004-98	WILLIAM JENKINS ROAD OUTFALL	58,852	Yes	(112)
2009	2009-023	HUSPAH COURT NORTH	29,708	Yes	380
2009	2009-132	ST. HELENA BUSH HOG	20,389	Yes	(13)
2009	2009-003	CAPE HART CIRCLE	70,048	Yes	706
2009	2009-116	ROYAL PINES SUBDIVISION PHASE I	36,205	Yes	(86)
2009	2009-029	GRAY ROAD OUTFALL	76,496	Yes	(1,741)
2009	2009-114	L.H. NELSON DRIVE/ HALE STREET	59,887	Yes	1,218
2009	2009-073	FORREST FIELD/ ST. PAUL'S ROAD	109,926	Yes	827
2009	2009-25	LADY'S ISLAND BUSH HOG - HEWLETT DRIVE	23,451	Yes	23
2009	2009-109	ADAMS CIRCLE	34,013	Yes	1,057
2009	2008-138	FIRETHORNE LANE	21,988	Yes	2,864
2009	2008-141	PAIGE POINT BLUFF	28,411	Yes	575
2009	2008-144	BLUFFTON PARKWAY	36,473	Yes	528
2009	2008-163	RAIL BED ROAD	20,610	Yes	(261)
2009	2009-148	SHELDON - BUSH HOG	29,545	Yes	(386)
2009	2005-020	SHANKLIN ROAD OUTFALL / COUNTRY MANOR ESTATES LATERAL	52,829	Yes	104
2008	2006-13	RIVERS END	250,037	Yes	4,496
2008	2004-21	ARCHIE SUMPTER	59,367	Yes	278
2008	2006-12	DAUFUSKIE ISLAND: PROSPECT ROAD	282,184	Yes	2,802
2008	2007-102	OAKHURST ROAD	39,370	Yes	(1,617)
2008	2008-034	PEACHES HILL	58,740	Yes	1,742
2008	2007-149	BIG ESTATE CIRCLE PHASE II	45,903	Yes	3,705
2008	2007-92	CoB-STONE MARTEN	59,469	Yes	(7)
2008	2007-141	BLUFFTON CENTER	32,893	Yes	(240)
2008	2008-18	ToHHI- MARBLEHEAD	39,340	Yes	627
2008	2003-48	ToB-BLUFFTON RC&D	93,089	Yes	5,206
2008	2007-145	HEWLETT ROAD	36,729	Yes	1,804
2008	2007-158	ToHHI- HUNTER ROAD	65,760	Yes	(174)
2008	2005-099	WINDY LAKES	165,030	Yes	236
2008	2008-094	ToHHI- SHIPYARD DRIVE- TENNIS MASTER	21,338	Yes	1,264

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Fiscal Year	Project Number	Project Name	Unrevised Project Cost	Support Provided?	Net Variance Noted
2008	2004-06	MINK POINT	427,287	Yes	3,139
2007	2007-58	LOST ISLAND	21,996	Yes	48
2007	2007-46	WESTBURY PARK	21,102	No	-
2007	2004-46	ToB-HABITAT FOR HUMANITY	32,262	Yes	207
2007	2007-77	ToHHI- CORDILLO PARKWAY/ COLIGNY PARK	41,574	Yes	(2,919)
2007	2003-50	IRONGATE SUBDIVISION (UNINCORP PORTION)	73,173	Yes	2,941
2007	2006-07	CoB -DEPOT ROAD	720,523	Yes	(42,876)
2006	2007-36	WIMBEE LANDING CROSSLINES	23,125	Yes	1,419
2006	2006-06	CoB-BATTERY SHORES	20,953	Yes	344
2006	2006-88	ST.PAUL CHURCH ROAD	28,246	Yes	1,045
2006	2006-90	CoB-KING STREET POND (LAKE AT THE POINT) CLEANOUT	25,868	Yes	(547)
2006	2007-51	PROVIDENCE ROAD	33,060	Yes	449
2006	2006-16	LAUREL ACRES / PINE GROVE	67,198	Yes	(345)
2006	2003-86	PATTERSON OUTFALL/ JOE ALLEN DRIVE	44,006	Yes	(373)
2006	2004-89	PINEWOOD CIRCLE OUTFALL	66,514	Yes	3,050
2005	2004-38	SALEM DRIVE WEST OUTFALL / LATERAL	66,004	Yes	3,745
2005	2004-85	DAVID GREEN OUTFALL	27,719	Yes	(1,249)
2005	2003-06	WIMBEE LANDING ROAD OUTFALL	38,610	No	-
2005	2005-86	OLD DAWSON ACRES ROAD	27,685	No	-
2005	2004-42	MITCHELL ROAD	21,678	Yes	589
2005	2004-16	FOREST FIELDS	137,825	Yes	(105)
2005	2002-30	OLD COUNTY SHED ROAD OUTFALL	46,798	No	-
2005	2004-99	COLONIAL HEIGHTS OUTFALL AND LATERAL	20,213	No	-
2005	2004-23	HUSPHAH DRIVE OUTFILL	30,838	No	-
2004	2004-91	NORTH ROYAL PINES DRAINAGE- PHASE II	125,598	Yes	(115)
2004	2005-22	ASHLEY DRIVE/ WOODBINE AVE. OUTFALL EROSION REPAIR	24,838	Yes	92
2004	2005-52	ALLENDALE/ FAIRFAX PHASE II	49,284	Yes	2,855
2004	2004-57	NATHAN POPE ROAD OUTFALL	32,099	Yes	(343)
2004	2003-02	SHORTS LANDING OUTFALL/ MAGGIONI DITCH	28,044	Yes	(365)
2004	2002-15	COMMUNITY BIBLE	77,866	Yes	4,893
2003	2003-43	NORTH ROYAL PINES DRAINAGE- PHASE I	23,939	Yes	-

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Fiscal Year	Project Number	Project Name	Unrevised Project Cost	Support Provided?	Net Variance Noted
2003	2002-24	PINE RUN TRAIL	137,910	Yes	470
2003	2002-18	WARSAW ISLAND OUTFALL	22,186	No	-
			<u>\$ 8,093,897</u>		<u>\$ 6,052</u>

Total Sample Selected by Fiscal Year

2011	\$ 1,438,313	\$ (875)
2010	1,587,875	(328)
2009	1,232,439	11,084
2008	1,676,536	23,261
2007	910,630	(42,599)
2006	308,970	5,042
2005	417,370	2,980
2004	337,729	7,017
2003	<u>184,035</u>	<u>470</u>
	<u>\$ 8,093,897</u>	<u>\$ 6,052</u>

Total Net Variance as a Percentage of Sample 0.07%

Gross overage	\$ 70,265
Gross underage	<u>(64,213)</u>
Total net variance	<u>\$ 6,052</u>

APPENDIX B

Materials

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2011	2011-051	JOSEPHINE DRIVE PHASE I	\$ (40)	Invoice pricing does not agree to project summary
2011	2010-216	WIMBEE CREEK LANDING, WIMBEE CREEK ROAD, KINLOCH ROAD AND HONEYBEE ISLAND ROAD	40	Improper cost used for 57 stone
2011	2011-505	OLD MILLER ROAD - ROADSIDE DITCHES	(122)	Daily worksheet was entered twice
2011	2011-635	WIMBEE LANDING ROAD	140	Fuel gallons do not agree to daily worksheets
2011	2010-094	AIRPORT CIRCLE	273	Fuel gallons do not agree to daily worksheets
2011	2011-047C	COLONIAL HEIGHTS PHASE IV	1,609	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2011	2011-501	CHERRY POINT ROAD	14	Fuel gallons do not agree to daily worksheets
2011	2011-301A	PORT ROYAL ISLAND BUSH HOG	(24)	Gallons of Diesel do not agree to daily worksheets
2011	2011-303A	SHELDON BUSH HOG	55	Gallons of Diesel do not agree to daily worksheets
2011	2011-047	COLONIAL HEIGHTS PHASE I	30	Gallons of gas do not agree to daily worksheets
2011	2011-019	WEST RIVER DRIVE	32	Gallons of Diesel do not agree to daily worksheets
2011	2011-569	LADY'S ISLAND PARK	41	Gallons of Diesel do not agree to daily worksheets
2011	2011-556	BURTON WELLS ROAD AND SONYA FAYE LANE	(273)	Material costs differ from invoices and amounts used disagree with daily worksheets
2011	2011-577	LANGFORD ROAD	34	Gallons of Diesel do not agree to daily worksheets
2011	2011-006	DAWSON/HAYNES	(500)	Material costs differ from invoices and amounts used disagree with daily worksheets
2011	2011-594	BURTON WELLS COMPLEX	8	Fuel gallons do not agree to daily worksheets
2011	2011-047D	COLONIAL HEIGHTS PHASE V	(54)	Material costs differ from invoices and amounts used disagree with daily worksheets
2011	2011-526	ISLAND TANK	(26)	Fuel gallons do not agree to daily worksheets
2011	2011-564	POSSUM HILL ROAD	(142)	Material costs differ from invoices and amounts used disagree with daily worksheets
2011	2010-084	WILLIAM CAMPBELL ROAD	12	Fuel gallons do not agree to daily worksheets
2011	2011-047A	COLONIAL HEIGHTS PHASE II	(525)	Material costs differ from invoices and amounts used disagree with daily worksheets
2011	2011-596	SAND HILL ESTATES- TAMMY LANE, CRAIG LANE, SHANNON LANE, CHRIS LANE, SAND HILL DRIVE	712	Material quantities differ from the daily cost worksheets
2010	2010-089	HALIFAX DRIVE	568	Prices for various pipes did not agree to supporting invoices
2010	2010-027	PEACHES HILL ROAD	(11)	Prices and quantities of various materials did not agree to daily worksheets or supporting invoice
2010	2009-110B	CoB-BATTERY SHORES-PHASE III	184	Various material prices did not agree to supporting invoices
2010	2008-179	WESTBURY PARK PHASE I	(990)	Water improperly charged at \$1/gallon vs \$0.01/gallon
2010	2010-152	KINLAW LANE	(45)	Various material prices did not agree to supporting invoices
2010	2009-103	MATTIS DRIVE OUTFALL	44	Gallons of fuel shown on daily worksheets; not on project summary
2010	2006-30	PLEASANT POINT DRIVE	4	Pipe costs disagreed with invoice
2010	2010-124	WINDY LAKES PHASE II/ SUGAREE DRIVE AND LOTUS COURT	(83)	Various material prices did not agree to supporting invoices
2010	2009-125	MIDDLE RIVER ROAD	(8)	Various material prices did not agree to supporting invoices
2010	2010-023	COAKLEY DRIVE	(4)	Various material prices did not agree to supporting invoices
2010	2010-001	CAPE HART CIRCLE PHASE II	(78)	Various variances noted between invoices and project summary.
2010	2010-154	MIDDLEFIELD OCIRCLE AND MIDDLEFIELD COURT	17	Tax missing from material on project summary

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Materials

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2010	2010-128	HALIFAX ROAD	446	Unit price of various purchases disagrees with invoices
2010	2009-140	COMMUNITY CENTER ROAD	(75)	Variances noted when comparing to the invoices to the daily worksheets
2010	2009-135	OYSTER STREET	(210)	Various differences noted between project summary and invoice. Differences noted in amount used based on daily worksheets as well
2010	2003-047	DUCAN FARMS OUTFALL	131	Tax excluded, invoice differences and variances in amount used noted
2010	2010-074	BURTON WELLS PARK	552	Variances noted when comparing to the invoices to the daily worksheets
2010	2009-164	HALIFAX ROAD PHASE III	49	Sales tax missing from project summary expense
2009	2009-001	PORT ROYAL BUSH HOG- LAMBERT DRIVE	5	Amount of gasoline used does not agree
2009	2009-145	ST. HELENA ISLAND/LADY'S ISLAND BUSH HOG	(1,619)	Fuel prices not in line with monthly averages
2009	2009-132	ST. HELENA BUSH HOG	(13)	Diesel gallons do not agree to daily worksheets
2009	2008-145	HICKORY HILL ROAD	234	Sales tax not included in pricing
2009	2008-193	WHITE SANDS/ SHINEY ROAD	(27)	Variances between invoice and project summary
2009	2004-98	WILLIAM JENKINS ROAD OUTFALL	(198)	Sales tax excluded on certain items, quantity does not agree
2009	2009-023	HUSPAH COURT NORTH	325	Sales tax excluded on certain items, quantity does not agree
2009	2009-003	CAPE HART CIRCLE	(136)	Sales tax excluded on certain items, quantity does not agree
2009	2009-116	ROYAL PINES SUBDIVISION PHASE I	29	Sales tax not included in pricing
2009	2009-047	ToHHI- HARBOR MASTER	132	Sales tax excluded on certain items, quantity does not agree
2009	2009-029	GRAY ROAD OUTFALL	(1,741)	Water improperly charged (\$1 vs \$.01) and quantity does not agree for other materials
2009	2009-114	L.H. NELSON DRIVE/ HALE STREET	1,786	Quantities and pricing do not agree
2009	2009-073	FORREST FIELD/ ST. PAUL'S ROAD	812	Prices do not agree to invoice/quantity does not agree to daily worksheets
2009	2008-163	RAIL BED ROAD	27	Sales tax not included in pricing
2009	2008-144	BLUFFTON PARKWAY	223	Sales tax excluded on certain items, quantity does not agree
2009	2009-046	ToHHI- JARVIS CREEK PARK	615	Variances between daily worksheets and project summary
2009	2008-141	PAIGE POINT BLUFF	668	Sales tax excluded on certain items, quantity does not agree
2009	2008-106	ALUMNI ROAD	3,057	Sales tax excluded on certain items, quantity does not agree
2009	2008-138	FIRETHORNE LANE	(61)	Sales tax excluded on certain items, quantity does not agree
2009	2009-020	ToHHI- MEAD LANE	(101)	Pricing and quantity variances
2009	2009-109	ADAMS CIRCLE	1,057	Sales tax excluded on certain items, quantity does not agree
2009	2009-110	CoB-BATTERY SHORES PHASE I & II	828	Pricing and quantity variances
2009	2009-041	PAIGE POINT BLUFF	(678)	Variances between daily worksheets and project summary
2008	2004-06	MINK POINT	(227)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2007-141	BLUFFTON CENTER	(96)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2007-102	OAKHURST ROAD	(1,030)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2007-149	BIG ESTATE CIRCLE PHASE II	496	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2007-145	HEWLETT ROAD	2,362	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices

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Materials

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2008	2008-094	ToHHI- SHIPYARD DRIVE- TENNIS MASTER	(252)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2008-034	PEACHES HILL	2,257	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2008-18	ToHHI- MARBLEHEAD	101	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2004-21	ARCHIE SUMPTER	187	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2007-158	ToHHI- HUNTER ROAD	140	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2006-13	RIVERS END	509	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2007-92	CoB-STONE MARTEN	(186)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2006-12	DAUFUSKIE ISLAND: PROSPECT ROAD	(258)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2008	2003-48	ToB-BLUFFTON RC&D	2,522	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2007	2003-50	IRONGATE SUBDIVISION (UNINCORP PORTION)	402	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2007	2007-58	LOST ISLAND	66	Quantities used do not agree to daily worksheets
2007	2007-77	ToHHI- CORDILLO PARKWAY/ COLIGNY PARK	(1,981)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2007	2006-07	CoB -DEPOT ROAD	(37,529)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2007	2004-46	ToB-HABITAT FOR HUMANITY	(75)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2006	2006-06	CoB-BATTERY SHORES	(29)	Multiple variances between the project summary and daily worksheets noted
2006	2006-88	ST.PAUL CHURCH ROAD	(595)	Variance between project summary price and invoice price
2006	2006-90	CoB-KING STREET POND (LAKE AT THE POINT) CLEANOUT	(148)	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2006	2007-36	WIMBEE LANDING CROSSLINES	706	Multiple variances between the project summary and daily worksheets noted
2006	2007-51	PROVIDENCE ROAD	602	Multiple variances between the project summary and daily worksheets noted
2006	2003-86	PATTERSON OUTFALL/ JOE ALLEN DRIVE	(349)	Multiple variances between the project summary and daily worksheets noted
2006	2004-89	PINEWOOD CIRCLE OUTFALL	69	Multiple variances between the project summary and daily worksheets noted, in addition to price differences on invoices
2006	2006-16	LAUREL ACRES / PINE GROVE	(297)	Multiple variances between the project summary and daily worksheets noted
2005	2004-85	DAVID GREEN OUTFALL	(190)	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2005	2004-38	SALEM DRIVE WEST OUTFALL / LATERAL	(417)	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2005	2004-16	FOREST FIELDS	(105)	Unit prices do not match invoices provided

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Materials

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2004	2005-22	ASHLEY DRIVE/ WOODBINE AVE. OUTFALL EROSION REPAIR	(215)	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2004	2005-52	ALLENDALE/ FAIRFAX PHASE II	(693)	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2004	2004-57	NATHAN POPE ROAD OUTFALL	(343)	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2004	2002-15	COMMUNITY BIBLE	3	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2004	2004-91	NORTH ROYAL PINES DRAINAGE- PHASE II	(1,450)	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2004	2003-02	SHORTS LANDING OUTFALL/ MAGGIONI DITCH	(22)	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices
2003	2002-24	PINE RUN TRAIL	419	Multiple price and/or quantity variances noted amonth project summary, daily worksheets, and supporting invoices

Gross overage	25,634
Gross underage	(54,271)
Total Net Variance	<u><u>\$ (28,637)</u></u>

Total Net Variance by Fiscal Year

2011	\$	1,294
2010		491
2009		5,224
2008		6,525
2007		(39,117)
2006		(41)
2005		(712)
2004		(2,720)
2003		419
	\$	<u><u>(28,637)</u></u>

Total Net Variance as a Percentage of Sample -0.35%

APPENDIX C

Equipment

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2011	2011-635	WIMBEE LANDING ROAD	\$ (229)	Hours of equipment usage do not agree to daily worksheets
2011	2011-047B	COLONIAL HEIGHTS PHASEIII	134	Pickup truck hours do not agree to daily worksheets
2011	2011-301A	PORT ROYAL ISLAND BUSH HOG	(402)	Hours of equipment usage do not agree to daily worksheets
2011	2011-047	COLONIAL HEIGHTS PHASE I	124	Hours of equipment usage do not agree to daily worksheets
2011	2011-019	WEST RIVER DRIVE	(528)	Incorrect rates charged to equipment - transposition error
2011	2011-569	LADY'S ISLAND PARK	(106)	Hours of equipment usage do not agree to daily worksheets
2011	2011-577	LANGFORD ROAD	(12)	Hours of equipment usage do not agree to daily worksheets
2011	2011-006	DAWSON/HAYNES	141	Hours of equipment usage do not agree to daily worksheets
2011	2011-594	BURTON WELLS COMPLEX	(205)	Hours of equipment usage do not agree to daily worksheets
2011	2011-564	POSSUM HILL ROAD	(20)	Hours of equipment usage do not agree to daily worksheets
2011	2010-084	WILLIAM CAMPBELL ROAD	166	Hours of equipment usage do not agree to daily worksheets. Rates for certain equipment does not agree to rate schedule for 2011.
2011	2011-047A	COLONIAL HEIGHTS PHASEII	(228)	Hours of equipment usage do not agree to daily worksheets
2011	2011-596	SAND HILL ESTATES- TAMMY LANE, CRAIG LANE,SHANNON LANE,CHRIS LANE, SAND HILL DRIVE	326	Hours of equipment usage do not agree to daily worksheets
2010	2009-110B	CoB-BATTERY SHORES-PHASE III	203	5 additional hours showing on daily worksheets
2010	2009-103	MATTIS DRIVE OUTFALL	(99)	Two additional hours showing on the project summary for Volvo 290 Excavator, not on daily worksheets.
2010	2010-124	WINDY LAKES PHASE II/ SUGAREE DRIVE AND LOTUS COURT	(50)	Pickup truck hours disagree with daily worksheets
2010	2010-001	CAPE HART CIRCLE PHASE II	(15)	Improper rate charged for JCB Backhoe
2010	2010-128	HALIFAX ROAD	67	More hours noted for dump trucks than showing on project summary
2010	2003-047	DUCAN FARMS OUTFALL	(174)	Hours used does not agree between project summary and daily worksheets
2010	2010-074	BURTON WELLS PARK	62	Variance in number of hours the equipment was used
2009	2009-001	PORT ROYAL BUSH HOG- LAMBERT DRIVE	20	Hours do not agree to daily worksheets
2009	2009-145	ST. HELENA ISLAND/LADY'S ISLAND BUSH HOG	(38)	Hours do not agree to daily worksheets
2009	2009-152	ST. HELENA ISLAND BUSH HOG - CEE CEE ROAD	545	Hours do not agree to daily worksheets
2009	2008-145	HICKORY HILL ROAD	55	Hours do not agree to daily worksheets
2009	2004-98	WILLIAM JENKINS ROAD OUTFALL	(357)	Hours do not agree to daily worksheets
2009	2009-023	HUSPAH COURT NORTH	55	Equipment used but missing from project summary
2009	2009-003	CAPE HART CIRCLE	842	Price does not agree to schedule
2009	2009-047	ToHHI- HARBOR MASTER	(109)	Hours do not agree to daily worksheets
2009	2005-020	SHANKLIN ROAD OUTFALL / COUNTRY MANOR ESTATES LATERAL	(134)	Rate charged does not agree to supporting schedule
2009	2008-144	BLUFFTON PARKWAY	305	Hours do not agree to daily worksheets
2009	2009-046	ToHHI- JARVIS CREEK PARK	54	Hours do not agree to daily worksheets
2009	2008-106	ALUMNI ROAD	776	Hours do not agree to daily worksheets
2009	2008-138	FIRETHORNE LANE	119	Hours do not agree to daily worksheets
2009	2009-020	ToHHI- MEAD LANE	(234)	Hours do not agree to daily worksheets
2009	2009-041	PAIGE POINT BLUFF	(74)	Hours do not agree to daily worksheets
2008	2004-06	MINK POINT	547	Hours of equipment usage do not agree to daily worksheets
2008	2007-102	OAKHURST ROAD	(95)	Hours of equipment usage do not agree to daily worksheets

APPENDIX C

Equipment

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2008	2007-149	BIG ESTATE CIRCLE PHASE II	2,866	Hours of equipment usage do not agree to daily worksheets
2008	2007-145	HEWLETT ROAD	(253)	Hours of equipment usage do not agree to daily worksheets
2008	2008-094	ToHHI- SHIPYARD DRIVE- TENNIS MASTER	707	Hours of equipment usage do not agree to daily worksheets
2008	2008-034	PEACHES HILL	(440)	Hours of equipment usage do not agree to daily worksheets
2008	2008-18	ToHHI- MARBLEHEAD	(89)	Hours of equipment usage do not agree to daily worksheets
2008	2004-21	ARCHIE SUMPTER	(5)	Hours of equipment usage do not agree to daily worksheets
2008	2007-158	ToHHI- HUNTER ROAD	(314)	Hours of equipment usage do not agree to daily worksheets
2008	2005-099	WINDY LAKES	39	Hours of equipment usage do not agree to daily worksheets
2008	2006-13	RIVERS END	712	Hours of equipment usage do not agree to daily worksheets
2008	2007-92	CoB-STONE MARTEN	(47)	Hours of equipment usage do not agree to daily worksheets
2008	2006-12	DAUFUSKIE ISLAND: PROSPECT ROAD	1,144	Hours of equipment usage do not agree to daily worksheets
2008	2003-48	ToB-BLUFFTON RC&D	142	Hours of equipment usage do not agree to daily worksheets
2007	2003-50	IRONGATE SUBDIVISION (UNINCORP PORTION)	339	Hours of equipment usage do not agree to daily worksheets
2007	2007-58	LOST ISLAND	(61)	Hours of equipment usage do not agree to daily worksheets
2007	2007-77	ToHHI- CORDILLO PARKWAY/ COLIGNY PARK	(549)	Hours of equipment usage do not agree to daily worksheets
2007	2006-07	CoB -DEPOT ROAD	1,794	Hours of equipment usage do not agree to daily worksheets
2007	2004-46	ToB-HABITAT FOR HUMANITY	448	Hours of equipment usage do not agree to daily worksheets
2006	2006-06	CoB-BATTERY SHORES	285	Hours of equipment usage do not agree to daily worksheets
2006	2006-90	CoB-KING STREET POND (LAKE AT THE POINT) CLEANOUT	(218)	Hours of equipment usage do not agree to daily worksheets
2006	2007-51	PROVIDENCE ROAD	4	Hours of equipment usage do not agree to daily worksheets
2006	2003-86	PATTERSON OUTFALL/ JOE ALLEN DRIVE	(169)	Hours of equipment usage do not agree to daily worksheets
2006	2004-89	PINEWOOD CIRCLE OUTFALL	(3,563)	Hours of equipment usage do not agree to daily worksheets
2006	2006-16	LAUREL ACRES / PINE GROVE	(15)	Hours of equipment usage do not agree to daily worksheets
2005	2004-85	DAVID GREEN OUTFALL	(394)	Hours of equipment usage do not agree to daily worksheets
2005	2004-38	SALEM DRIVE WEST OUTFALL / LATERAL	(212)	Hours of equipment usage do not agree to daily worksheets
2005	2004-42	MITCHELL ROAD	789	Hours of equipment usage do not agree to daily worksheets
2004	2005-22	ASHLEY DRIVE/ WOODBINE AVE. OUTFALL EROSION REPAIR	51	Hours of equipment usage do not agree to daily worksheets
2004	2005-52	ALLENDALE/ FAIRFAX PHASE II	852	Hours of equipment usage do not agree to daily worksheets
2004	2002-15	COMMUNITY BIBLE	1,608	Hours of equipment usage do not agree to daily worksheets

APPENDIX C

Equipment

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2004	2003-02	SHORTS LANDING OUTFALL/ MAGGIONI DITCH	10	Hours of equipment usage do not agree to daily worksheets
2003	2002-24	PINE RUN TRAIL	51	Hours of equipment usage do not agree to daily worksheets

Gross overage	16,382
Gross underage	(9,438)
Total Net Variance	<u>\$ 6,944</u>

Total Net Variance by Fiscal Year

2011	\$ (839)
2010	(6)
2009	1,825
2008	4,914
2007	1,971
2006	(3,676)
2005	183
2004	2,521
2003	51
	<u>\$ 6,944</u>

Total Net Variance as a Percentage of Sample 0.09%

APPENDIX D

Labor

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2011	2011-505	OLD MILLER ROAD - ROADSIDE DITCHES	\$ (428)	Daily worksheet was entered twice
2011	2011-560	DAUFASKIE ISLAND - CHURCH ROAD	(395)	Labor hours do not agree to daily worksheets
2011	2011-635	WIMBEE LANDING ROAD	(32)	Labor hours do not agree to daily worksheets
2011	2011-047C	COLONIAL HEIGHTS PHASE IV	(264)	Labor hours do not agree to daily worksheets
2011	2011-300B	ST.HELENA ISLAND BUSH HOG	122	Labor hours do not agree to daily worksheets
2011	2011-047B	COLONIAL HEIGHTS PHASEIII	(87)	Labor hours do not agree to daily worksheets
2011	2011-301A	PORT ROYAL ISLAND BUSH HOG	(888)	Labor hours do not agree to daily worksheets
2011	2011-303A	SHELDON BUSH HOG	(123)	Total labor cost does not agree to project summary
2011	2011-047	COLONIAL HEIGHTS PHASE I	(78)	Labor hours do not agree to daily worksheets
2011	2011-019	WEST RIVER DRIVE	44	Labor hours do not agree to daily worksheets
2011	2011-544	LITTLE CAPERS ROAD OUTFALL	(62)	Labor hours do not agree to daily worksheets
2011	2011-556	BURTON WELLS ROAD AND SONYA FAYE LANE	(222)	Labor hours do not agree to daily worksheets
2011	2011-524A	KEANS NECK ROAD OUTFALL	(225)	Labor hours do not agree to daily worksheets
2011	2011-006	DAWSON/HAYNES	20	Labor hours do not agree to daily worksheets
2011	2011-594	BURTON WELLS COMPLEX	39	Labor hours do not agree to daily worksheets
2011	2011-047D	COLONIAL HEIGHTS PHASE V	38	Labor hours do not agree to daily worksheets
2011	2011-526	ISLAND TANK	44	Labor hours do not agree to daily worksheets
2011	2011-564	POSSUM HILL ROAD	2	Labor hours do not agree to daily worksheets
2011	2011-047A	COLONIAL HEIGHTS PHASEII	547	Labor hours do not agree to daily worksheets
2011	2011-596	SAND HILL ESTATES- TAMMY LANE, CRAIG LANE,SHANNON LANE,CHRIS LANE, SAND HILL DRIVE	618	Labor hours do not agree to daily worksheets
2010	2009-110B	CoB-BATTERY SHORES-PHASE III	(169)	Hours improperly assigned to a different employee with a higher rate of pay.
2010	2010-154	MIDDLEFIELD OCIRCLE AND MIDDLEFIELD COURT	(156)	Net of 6 Labor hours included on project summary, not shown on daily worksheets
2010	2010-128	HALIFAX ROAD	446	Multiple variances noted in labor hours
2010	2007-98	TWICKENHAM PLANTATION ROAD AND SWALLOWTAIL LANE	(518)	Multiple variances noted in labor hours
2010	2009-135	OYSTER STREET	(411)	18 Labor hours were included on the project summary, not on daily worksheets
2010	2010-074	BURTON WELLS PARK	(5)	Variance in labor hours noted
2009	2009-25	LADY'S ISLAND BUSH HOG - HEWLETT DRIVE	23	Labor hours do not agree
2009	2009-145	ST. HELENA ISLAND/LADY'S ISLAND BUSH HOG	(116)	Employee on daily worksheets - no on project summary
2009	2009-148	SHELDON - BUSH HOG	(386)	Labor hours do not agree
2009	2008-193	WHITE SANDS/ SHINEY ROAD	21	Labor hours do not agree
2009	2004-98	WILLIAM JENKINS ROAD OUTFALL	443	Hours do not agree to daily worksheets
2009	2009-116	ROYAL PINES SUBDIVISION PHASE I	(115)	Hours do not agree to daily worksheets
2009	2009-114	L.H. NELSON DRIVE/ HALE STREET	(568)	Hours assigned to incorrect employee
2009	2009-073	FORREST FIELD/ ST. PAUL'S ROAD	15	Variances between daily worksheets and project summary
2009	2005-020	SHANKLIN ROAD OUTFALL / COUNTRY MANOR ESTATES LATERAL	238	Variances between daily worksheets and project summary
2009	2008-163	RAIL BED ROAD	(288)	Variances between daily worksheets and project summary
2009	2009-046	ToHHI- JARVIS CREEK PARK	757	Hours do not agree to daily worksheets
2009	2008-141	PAIGE POINT BLUFF	(93)	Employee listed on project summary not found on daily worksheets
2009	2008-106	ALUMNI ROAD	1,370	Variances between daily worksheets and project summary
2009	2008-138	FIRETHORNE LANE	2,806	Hours do not agree to daily worksheets
2009	2009-020	ToHHI- MEAD LANE	(72)	Hours do not agree to daily worksheets
2008	2004-06	MINK POINT	2,819	Labor hours do not agree to daily worksheets
2008	2007-141	BLUFFTON CENTER	(144)	Labor hours do not agree to daily worksheets
2008	2007-102	OAKHURST ROAD	(492)	Labor hours do not agree to daily worksheets
2008	2007-149	BIG ESTATE CIRCLE PHASE II	343	Labor hours do not agree to daily worksheets
2008	2007-145	HEWLETT ROAD	(305)	Labor hours do not agree to daily worksheets

APPENDIX D

Labor

Fiscal Year	Project Number	Project Name	Net Variance	Notes
2008	2008-094	ToHHI- SHIPYARD DRIVE- TENNIS MASTER	809	Labor hours do not agree to daily worksheets
2008	2008-034	PEACHES HILL	(75)	Labor hours do not agree to daily worksheets
2008	2008-18	ToHHI- MARBLEHEAD	615	Labor hours do not agree to daily worksheets
2008	2004-21	ARCHIE SUMPSTER	96	Labor hours do not agree to daily worksheets
2008	2005-099	WINDY LAKES	197	Labor hours do not agree to daily worksheets
2008	2006-13	RIVERS END	3,275	Labor hours do not agree to daily worksheets
2008	2007-92	CoB-STONE MARTEN	226	Labor hours do not agree to daily worksheets
2008	2006-12	DAUFUSKIE ISLAND: PROSPECT ROAD	1,916	Labor hours do not agree to daily worksheets
2008	2003-48	ToB-BLUFFTON RC&D	2,542	Labor hours do not agree to daily worksheets
2007	2003-50	IRONGATE SUBDIVISION (UNINCORP PORTION)	2,200	Labor hours do not agree to daily worksheets
2007	2007-58	LOST ISLAND	43	Labor hours do not agree to daily worksheets
2007	2007-77	ToHHI- CORDILLO PARKWAY/ COLIGNY PARK	(389)	Labor hours do not agree to daily worksheets
2007	2006-07	CoB -DEPOT ROAD	(7,141)	Labor hours do not agree to daily worksheets
2007	2004-46	ToB-HABITAT FOR HUMANITY	(166)	Labor hours do not agree to daily worksheets
2006	2006-06	CoB-BATTERY SHORES	88	Labor hours do not agree to daily worksheets
2006	2006-88	ST.PAUL CHURCH ROAD	1,640	Labor hours do not agree to daily worksheets
2006	2006-90	CoB-KING STREET POND (LAKE AT THE POINT) CLEANOUT	(181)	Hours of equipment usage do not agree to daily worksheets
2006	2007-36	WIMBEE LANDING CROSSLINES	713	Labor hours do not agree to daily worksheets
2006	2007-51	PROVIDENCE ROAD	(157)	Labor hours do not agree to daily worksheets
2006	2003-86	PATTERSON OUTFALL/ JOE ALLEN DRIVE	145	Labor hours do not agree to daily worksheets
2006	2004-89	PINEWOOD CIRCLE OUTFALL	6,544	Labor hours do not agree to daily worksheets
2006	2006-16	LAUREL ACRES / PINE GROVE	(33)	Labor hours do not agree to daily worksheets
2005	2004-85	DAVID GREEN OUTFALL	(665)	Labor hours do not agree to daily worksheets
2005	2004-38	SALEM DRIVE WEST OUTFALL / LATERAL	4,374	Labor hours do not agree to daily worksheets
2005	2004-42	MITCHELL ROAD	(200)	Labor hours do not agree to daily worksheets
2004	2005-22	ASHLEY DRIVE/ WOODBINE AVE. OUTFALL EROSION REPAIR	256	Labor hours do not agree to daily worksheets
2004	2005-52	ALLENDALE/ FAIRFAX PHASE II	2,696	Labor hours do not agree to daily worksheets
2004	2002-15	COMMUNITY BIBLE	3,282	Labor hours do not agree to daily worksheets
2004	2004-91	NORTH ROYAL PINES DRAINAGE- PHASE II	1,335	Labor hours do not agree to daily worksheets
2004	2003-02	SHORTS LANDING OUTFALL/ MAGGIONI DITCH	(353)	Labor hours do not agree to daily worksheets
		Gross overage	43,747	
		Gross underage	(16,002)	
		Total Net Variance	\$ 27,745	

Total Net Variance by Fiscal Year

2011	\$	(1,330)
2010		(813)
2009		4,035
2008		11,822
2007		(5,453)
2006		8,759
2005		3,509
2004		7,216
2003		-
	\$	27,745

Total Net Variance as a Percentage of Sample 0.34%