



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD AGENDA  
Wednesday, July 8, 2020  
2:00 p.m.  
Executive Conference Room, Administration Building  
Beaufort County Government Robert Smalls Complex  
100 Ribaut Road, Beaufort, South Carolina  
843.255.2805

In accordance with South Carolina Code of Laws, 1976, as amended, Section 30-4-80(d), all local media was duly notified of the time, date, place and agenda of this meeting.

1. CALL TO ORDER – 2:00 p.m.
  - A. Approval of Agenda
  - B. Approval of Minutes – February 12, 2020 ([backup](#)) and March 11, 2020 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
  - A. Utility Update – Katie Herrera ([backup](#))
  - B. Monitoring Update – Katie Herrera ([backup](#))
  - C. Stormwater Related Projects – Katie Herrera ([backup](#))
  - D. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
  - E. Regional Coordination – Katie Herrera ([backup](#))
  - F. Municipal Reports – Katie Herrera ([backup](#))
  - G. MS4 Update – Katie Herrera ([backup](#))
  - H. Maintenance Projects Report – Matthew Rausch ([backup](#))
5. UNFINISHED BUSINESS
6. NEW BUSINESS
  - A. FY19 Actuals ([backup](#))
  - B. FY21 Budget Adjustment ([backup](#))
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
  - A. August 12, 2020 ([backup](#))
9. ADJOURNMENT



# Beaufort County Stormwater Management Utility Board (SWMU Board) Meeting Minutes

February 12, 2020 at 2:00 p.m. in Executive Conference Room, Administration Building, Beaufort County Government Robert Smalls Complex, 100 Ribaut Road, Beaufort, South Carolina

Draft Minutes 2/27/2020

## Board Members

### Present

Steven Andrews  
Allyn Schneider  
James Clark  
James Fargher

### Absent

Marc Feinberg  
William Bruggeman  
Patrick Mitchell

## Ex-Officio Members

### Present

Van Willis  
Scott Liggett  
Kim Jones  
Nate Farrow

### Absent

## Beaufort County Staff

Daniel Rybak  
Melissa Allen  
Katie Herrera  
Amber Woods  
Neil Desai  
Carolyn Wallace

## Visitors

Hamp Simkins, USCB  
Alice Howard, County Council  
Ellen Sturup Comeau, Clemson Extension  
York Glover, County Council  
Chris Lloyd, Citizen  
Denise Parsick, Beaufort SW Conservation District

### 1. Meeting called to order – Allyn Schneider

- A. Agenda – No quorum at the start of the meeting. Revisited after Item 8. \*
- B. January 8, 2019 Minutes – No quorum at the start of the meeting. Revisited after Item 8 \*

### 2. Introductions – Completed.

### 3. Public Comment(s) – None.

### 4. Reports – Mr. Daniel Rybak provided a written report which is included in the posted agenda and can be accessed at:

<https://www.beaufortcountysc.gov/stormwater-management-utility-board/agendas/2020/021220.pdf>

#### A. Utility Update – Daniel Rybak

In reference to item #1, Public Stakeholder meetings were held on January 23rd at Palmetto Electric, January 28th at Beaufort County Council Chambers, and January 30th at the Town of Bluffton Town Hall. Attendance was fair, 10-25 people at the meetings. The comment period is scheduled to close on February 17<sup>th</sup>. The technical committee is scheduled to meet on March 6th to review comments and see what adjustments may be needed.

In reference to special presentations, Dr. Eric Monti with USCB in unavailable this semester with his class schedule, will reach out after the semester ends.

Delinquent accounts, item #5, stormwater staff met with Gentry Locke on January 17<sup>th</sup> to discuss fees, processes, procedures and policies to give them an overview of the program.

Annual reports have been received from Town of Port Royal and Town of Bluffton. Beaufort County is pending CAFR completion.

**B. Monitoring Update – Daniel Rybak**

Please reference the report, no additional updates.

**C. Stormwater Implementation Committee (SWIC) Report – Daniel Rybak**

Update to item #2, the FY19 annual summary report and FY21 utility management fee proposed budget and rates will be discussed under new business. Drafts of the memos were provided to the Board.

**D. Stormwater Related Projects – Daniel Rybak**

In reference to the Bluffton Flyover Bridge project, critical line delineation is complete and consultant is working on preliminary design and permitting.

In reference to the Shell Point project, a meeting will be scheduled for the end of February. Developing a scope of work for a drainage study in the area, planning to utilize a contract that has three consultants available to issue a task order to.

**E. Professional Contracts Report – Daniel Rybak**

Salt Creek and Shanklin Road, the 30% design submittal under review. Right-of-way acquisition areas are being assessed.

Brewer Memorial, SCDOT has responded favorably to County request for pipe diversion and consultant is seeking final approval.

Evergreen, 90% Design submittal under review. Public Meeting is scheduled for Friday, February 14th, 2020, from 10:30 to 11:30 am at the Palmetto Electric Coop Building in Hardeeville. The public is welcome to come learn about the benefits associated with the project.

**F. Regional Coordination – Daniel Rybak**

Ms. Kim Jones shared that the next Joint Councils meeting will be on February 25<sup>th</sup> to discuss a long term strategy for extension of sewer.

In regards to the Mossy Oaks task force, Mr. Nate Farrow shared that the City is working with engineering contractor, as well as looking into possible grants.

**G. Municipal Reports – Daniel Rybak**

Mr. Farrow shared that the City of Beaufort has a continued effort in Battery Shores for road side clean out and a possible pipe project.

**H. Municipal Separate Storm Sewer System (MS4 Update) – Daniel Rybak**

Mr. Rybak briefly went over the MS4 activity comparison charts for plan review, stormwater permits and inspections and pointed out periods of rain on the weather station chart.

Ms. Ellen Sturup Comeau shared that the registration for the Master Rain Gardener course is now open. There will be a field day in Charleston in the spring. Mr. Rybak commented that Ellen will be participating in the Evergreen Public Meeting as well.

In reference to Energov permitting software, there was a module demo and training held on February 4<sup>th</sup>.

## **I. Maintenance Projects Report – Daniel Rybak**

There was one major project and nine minor projects. The Wade Hampton Drive (major) project improved 6,510 feet of drainage.

### **5. Unfinished Business –**

A. *City of Beaufort Intergovernmental Agreement (IGA)* – At the October 10, 2018 Stormwater Utility Board meeting the Stormwater manager at the time presented to the Board that the City of Beaufort requested an extension of the existing IGA to be associated to correspond with bonds they hope to issue for Capital Projects. The City and County attorneys have been working on a draft, which has been provided in the packet. There were no major changes within the IGA and the time frame was originally identified to be 25 years, but the draft is written for a 20 year period from the date of acceptance.

Mr. Allyn Schneider noted that a quorum is now present.

### **6. New Business –**

A. *Proposed Changes to the Stormwater Ordinance* – Mr. Rybak explained that the proposed changes are to provide additional exemptions related to private roadways, reflect organizational changes within the County’s organization structure in regards to the stormwater utility’s jurisdiction.

Mrs. Carolyn Wallace shared the current exemptions, roads that are maintained by SCDOT, the County and municipalities are exempt from stormwater utility fees. When it comes to private roads if they are shown in their own separate parcel and service more than one parcel, they are exempt. Wanting to expand it to private roads that are not shown in their own parcel, but service more than one property owner. Mrs. Wallace shared examples. In the first example the red indicates a county road which is exempt and the green indicates a private road which is not exempt. In the second example the blue shows the impervious area that has been measured for the parcel. Example 3, started capturing private roads that aren’t in their own unique polygon, the road serves several properties. Example 4 is showing an example of the type of road we would not want to exempt, as it services only one property and functions more as a driveway. Driveways are not exempt, would only be fair to charge private roads that only service one parcel. [See attached.](#)

Mrs. Wallace summarized the impact, explaining she has identified 41 that would fall in this category and the reduction in fees would be around \$8,000.

Discussion took place:

What is the driving force? Need to continue to roll out this effort to improve the base data. Try to fully apply the ordinance to the stormwater utility fees, as written. The first example would need to be measured to charge for that impervious area [portion of the road that is private].

Mr. Rybak shared that this came about when a request came in when someone felt they were charged incorrectly. This proposed exemption would make it more consistent across the board.

Mr. Van Willis asked to view the current exemptions again. He expressed the irony that additional roads can cause additional issues.

Mr. Scott Liggett asked if an improved roadway is defined. Mrs. Wallace responded there is no distinction in the current rate study and that if it is a road, it is impervious. If it is dirt, gravel or paved it doesn’t matter.

Mr. Liggett asked about the fees that would be collected on the parcel that had a road running through it. Mrs. Wallace clarified that there would be a charge for gross area and impervious, the square footage of what remains minus the road.

Mr. Rybak shared that the other changes were to get away from Environmental Engineering and Land Management language reference and make it Beaufort County.

A motion was made that the board approve the proposed changes to the stormwater ordinance. The motion was approved (4/0).

In response to a question and comment about the roads being impervious whether or not it was paved the charge would be the same, Mrs. Wallace expressed she is not the engineer but is told because it is compacted overtime that it becomes impervious.

**B. *FY19 Annual Summary Report*** – This report was provided in the packet and was provided per the IGA. It is based on historical data for the fiscal year. The report includes total number of accounts billed and collected, the collection rates and the management fees that were paid. It includes accounts and fees in arrears, accounts with credits, and the amounts and the number of accounts that had adjustments.

**C. *FY21 Utility Management Fee Proposed Budget and Rates Memo*** – This report is required by the IGA to be provided to the municipalities by February 15th. This report provides the management budget to establish the cost share rates. The IGA requires the municipalities to provide a response to the County by April 1<sup>st</sup>. The stormwater budget will be presented at the board meeting in March. [Draft attached.](#)

**7. Public Comment(s)** – None.

**8. Next Meeting Agenda** – Approved with Addition.

Addition to New Business – FY21 Budget

\* The board went back to Item #1A to approve the agenda (4/0) and to Item #1B to approve the minutes from January 8, 2020 (3-Yays/1-Abstained). Mr. James Fargher abstained from the approval of the January 8, 2020 minutes as he was not present at that meeting.

**9. Meeting Adjourned**

R700 039 000 0049 0000 - Portion of the road is a county maintained road and would be exempt from the impervious area charge. But under the current ordinance, the portion that is a private road would be charged the impervious area (IA) charge because it is not shown as a separate parcel of land in GIS. The private roadway is being used by more than one property owner to access their property.



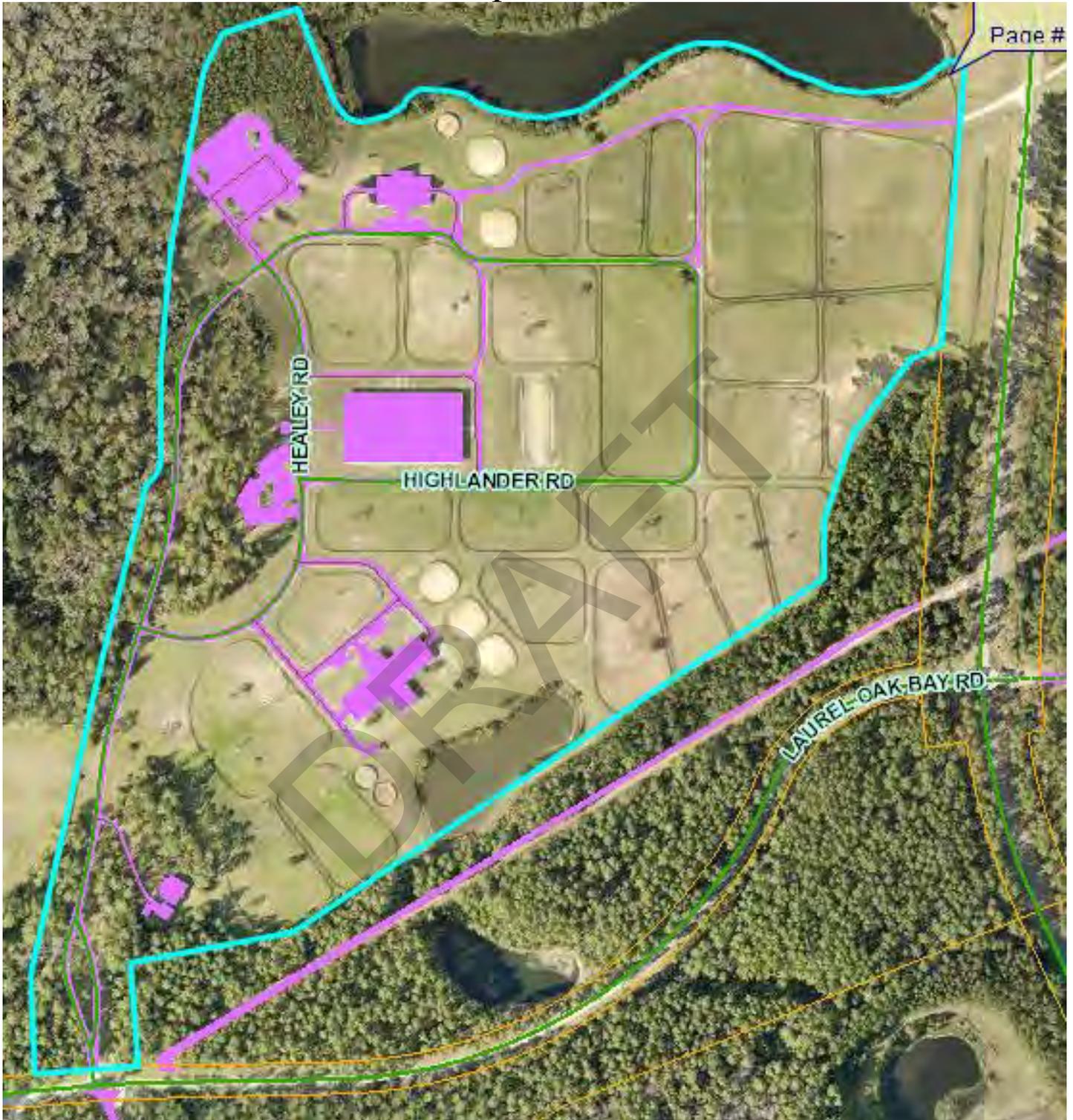
R600 040 00B 0093 0000 - The private roadway is not shown as a separate parcel of land in GIS but is being used by more than one property owner to access their property.



R112 034 000 0249 0000 – For tax year 2019, we just started this effort to capture the IA for private roadways that are not shown in its own polygon. In this example this would be approximately 6 units of IA charge that would be loss in revenue if the ordinance is revised. The exemption of private roadways that service more than one property owner should only cause a small reduction in revenue (I would estimate less than \$10k).



R614 045 000 0602 0000 - This is an example of a private road that would remain without an exemption.





**BEAUFORT COUNTY STORMWATER UTILITY**  
**120 Shanklin Road**  
**Beaufort, South Carolina 29906**  
**Voice (843) 255-2805 Facsimile (843) 255-9436**



**MEMORANDUM**

**TO:** Stormwater Implementation Committee (SWIC) Members

**FROM:** Dan Rybak, Beaufort County Stormwater Utility Manager

**SUBJECT:** Fiscal Year (FY) 2021/Tax Year (TY) 2020 Utility Management Fee Proposed Budget and Rates

**DATE:** February 15, 2020

This is the fourth year for the annual management fee budget proposal format. The updated rate model, attached by reference to this memo, is intended to replace this analysis by presenting previous year’s actual numbers and projecting the Management fee annually once the actuals are added to the spreadsheet. Please note only the billable units have been updated in the model; the individual City and Town budgets were not provided to the County and therefore the Summary Tabs for each jurisdiction will not be a valid representation of your revenue and expenses. This change redistributed the management fee and cost shares to all jurisdictions within the County.

The scope of services to be provided by the Utility are defined by the IGA, specifically Section 5.04. Those services have been provided by the County staff to the municipalities for many years and will continue in fiscal year FY 2021.

The final but unaudited collections for TY 2018 have been inputted into the model along with the final billed units for TY 2019. With this information input in the model, the distribution of cost shares and “percent of the whole” has shifted to reflect the most equitable method of cost sharing going into FY 2021.

|                | TY 2018<br>Total Billed | TY 2018<br>Total<br>Collected | TY 2018<br>Billed Units<br>(Actual) | TY 2018<br>Collected Units  | Collection<br>Rates |
|----------------|-------------------------|-------------------------------|-------------------------------------|-----------------------------|---------------------|
| Port Royal     | \$397,974               | \$229,621                     | 7,100 IA<br>3,838 Acct.             | #<br>3,714 Acct.            | 57.70%<br>96.77%    |
| Beaufort, City | \$1,641,549             | \$1,138,799                   | 13,918 IA<br>6,499 Acct.            | #<br>6,409 Acct.            | 69.37%<br>98.62%    |
| HHI            | \$4,928,366             | \$4,899,449                   | 33,987 IA<br>38,255 Acct.           | #<br>37,874 Acct.           | 99.41%<br>99.00%    |
| Bluffton       | \$1,562,107             | \$1,542,770                   | 15,940 SFU*<br>12,782 Acct.         | 15,743 SFU*<br>12,639 Acct. | 98.76%<br>98.88%    |
| Unincorp. BC   | \$4,877,093             | \$4,652,227                   | 54,405 IA<br>64,467 Acct.           | #<br>62,376 Acct.           | 95.39%<br>96.76%    |
| <b>Total</b>   | <b>\$13,407,089</b>     | <b>\$12,462,866</b>           |                                     |                             |                     |

\*Under Option A, the SFU are based on total dollar amount billed/collected divided by the SFU rate, not from the analysis of the Impervious Layer.

# Under Option E, our current accounting system and SWU fee reporting software will not easily determine the exact collected billable units for IA and GA. Much like Option A, a percentage based on dollar amounts collected is assumed for projection of collection rates for billable units for the upcoming year.

|                | Billable Unit<br>in TY 2019<br>(actual) | Calculated<br>Growth Rate<br>(TY18 to TY19) | Billable Units<br>for TY 2020 | Distribution<br>for FY 2021<br>B.C. only ^ | Distribution<br>for FY 2021<br>NoB only ^ |
|----------------|---|---|-------------------------------|--|---|
| Port Royal     | 3,919 Acct.                             | 102.1%                                      | 4,002 Acct.                   | 3.09%                                      | 5.19%                                     |
| Beaufort, City | 6,467 Acct.                             | 99.5%                                       | 6,435 Acct.                   | 4.96%                                      | 8.34%                                     |
| HHI            | 38,236 Acct.                            | 100.0%                                      | 38,217 Acct.                  | 29.47%                                     | N/A                                       |
| Bluffton       | 13,519 Acct.                            | 105.8%                                      | 14,298 Acct.                  | 11.03%                                     | N/A                                       |
| Unincorp. BC   | 64,509 Acct.                            | 103.4%                                      | 66,715 Acct.                  | 51.45%                                     | 86.47%                                    |
| Total          |   |   |                               | 100%                                       | 100%                                      |

^ Based on TY 2019 projected billable acct. units for all jurisdictions within Beaufort County only.

The following cost shares are proposed for FY 2021:

- 1) Public Education and Outreach - \$90,000. This is a continuation of the MOA for PE/PO and our contract with Clemson University. Distribution will be by the FY 2021 percentages. These jurisdictions are using the Option E rate structure and will pay this cost share as part of the Management fee.
- 2) Water Quality Monitoring North of the Broad River – \$120,000. This cost share is only for the County, Town of Port Royal, and City of Beaufort. This is a continuation of the MOA for monitoring and our contract with University of South Carolina, Beaufort (USCB) Lab. Distribution will be by the FY 2021 percentages. These jurisdictions are using the Option E rate structure and will pay this cost share as part of the Management fee.

| Cost Shares    | PE/PO    | Monitoring |
|----------------|----------|------------|
| Port Royal     | \$2,781  | \$6,228    |
| Beaufort, City | \$4,464  | \$10,008   |
| HHI            | \$26,523 | N/A        |
| Bluffton       | \$9,927  | N/A        |
| Unincorp. BC   | \$46,305 | \$103,764  |
| Total          | \$90,000 | \$120,000  |

The proposed Management budget for FY 2021 is \$435,293. The following is a breakdown summary of major budget categories:

- Salaries, Fringe, Training, Memberships = \$399,540
- Depreciation, Insurance, Repairs = \$8,099
- Cost Shares = \$150,073 (not included in Management budget)
- Office Supplies, Operational Expenses = \$10,154
- Professional & Non-Prof. Services = \$5,000
- Professional Services (not included in Management budget) = \$150,000
- Aerial Photography (budgeted annually, expended every 2 years) = \$12,500

Based upon the number of billable units, distribution percentages, and the Management budget, the following Management fee per billable unit and total Management fee has been estimated.

| Mgt. Fee       | Billable Unit<br>For TY 2019 | Rate                           | Total Mgt.<br>Budget | Total Mgmt. Budget<br>w/ PE/PO &<br>Monitoring<br>Cost Shares (\$) |
|----------------|------------------------------|--------------------------------|----------------------|--|
| Port Royal     | 3,919 Acct.                  | \$5.61 / Acct.                 | \$13,451             | \$22,460   |
| Beaufort, City | 6,467 Acct.                  | \$5.61 / Acct.                 | \$21,591             | \$36,063   |
| HHI            | 38,236 Acct.                 | \$4.05 / Acct.                 | \$128,281            | \$154,804  |
| Bluffton       | 13,519 Acct.                 | \$4.05 / Acct.                 | \$48,013             | \$57,940   |
| Unincorp. BC   | 64,509 Acct.                 | \$14.00 / Acct. <sup>(1)</sup> | \$223,958            | \$374,027  |
| <b>Total</b>   | <b>126,650</b>               |                                | <b>\$435,293</b>     | <b>\$645,293</b>   |

\$ - Note that due to the lack of rounding within the Excel Spreadsheet "rate model" these values do differ slightly (\$10 or less) from the model.

<sup>(1)</sup> Beaufort County has elected to fund a portion of its Regulatory program on a per account basis, therefore, the cost share amounts do not change the account fixed fee being proposed like it does other jurisdictions.

**Per Section 4.01 of the IGA, prior to April 1, 2020, please submit in writing your jurisdiction's approval of the Management fee for TY 2020 within FY 2021.**

END

# Beaufort County Stormwater Management Utility Board (SWMU Board) Meeting Minutes

March 11, 2020 at 2:00 p.m. in Executive Conference Room, Administration Building, Beaufort County Government Robert Smalls Complex, 100 Ribaut Road, Beaufort, South Carolina

Draft Minutes 3/20/2020

## Board Members

### Present

Steven Andrews  
James Fargher  
Marc Feinberg  
William Bruggeman

### Absent

James Clark  
Patrick Mitchell  
Allyn Schneider

## Ex-Officio Members

### Present

Scott Liggett  
Kim Jones

### Absent

Nate Farrow  
Van Willis

## Beaufort County Staff

Neil Desai  
Melissa Allen  
Katie Herrera  
Amber Woods  
Jim Beckert

## Visitors

Alice Howard, County Council  
Ellen Sturup Comeau, Clemson Extension  
Bruce Reynolds, Citizen  
Katherine Hendricks, David and Floyd  
Jeff Netzing, Town of Hilton Head Island

### 1. Meeting called to order – William Bruggeman

- A. Agenda – No quorum at the start of the meeting. Revisited after Item 5. \*
- B. January 8, 2020 Minutes and February 12, 2020 – No quorum at the start of the meeting. Revisited after Item 5. \*

### 2. Introductions – Completed.

### 3. Public Comment(s) – None.

### 4. Reports – Mr. Neil Desai provided a written report which is included in the posted agenda and can be accessed at:

<https://www.beaufortcountysc.gov/stormwater-management-utility-board/agendas/2020/031120.pdf>

Mr. Neil Desai shared that Mr. Dan Rybak, as of February 24th, tendered his resignation with the County. His last day was March 6<sup>th</sup>. Mr. Desai thanked Mr. Rybak for all of his contributions. Mr. Desai shared that Mr. Rybak will be with the Town of Bluffton and expressed that he is happy he will still be with us a “neighbor.” Hoping to fill the position here quickly.

### A. Utility Update – Neil Desai

In reference to item #1, the committee met on March 6<sup>th</sup> and plans to meet again on March 20th. The final draft and design manual will be available soon; it is taking some time as it is a big technical document. In regards to regionalization overall, hoping to get the first step in

process and down the line see if the municipalities wish to formalize the regionalization process.

In reference to special presentations, Mr. Desai suggested visiting one of the BMP's or projects going on within the County in early spring or late fall. Mr. Billy Bruggeman expressed that it was a great idea and asked Mr. Desai to set something up.

Regarding military installations, staff has met with the Attorneys the County hired and continues to provide them information. GIS information and Town of Port Royal and City of Beaufort and how it pertains to military installation.

Annual reports are outstanding from City of Beaufort and Beaufort County. The County is not complete, as the department is waiting on information from finance.

**B. Monitoring Update – Neil Desai**

Please reference the report, no additional updates.

**C. Stormwater Implementation Committee (SWIC) Report – Neil Desai**

The annual reports for FY19 and FY21 were emailed out to the SWIC. The Town of Bluffton has replied with their response; will follow up with the other municipalities. [Please note: Mr. Desai mentioned the ToB provided a response, but it was actually the ToHHI that provided a response.]

**D. Stormwater Related Projects – Neil Desai**

Update on Horse Island, Mr. Desai met with Councilman Glover. The project falls within the scope of the Public Works department and funding for it will be in the FY21 budget.

In reference to the Bluffton Flyover Bridge project, anticipating OCRM approval and next will be to apply with the Army Corps for submission.

In reference to the Shell Point project, a meeting was held on February 27th. Ms. Howard and some Town officials were on hand. It was a very positive meeting. Cranston Engineering will be doing an engineering study. It will take about six months to gather data, put the model together and do the analysis. Mr. Billy Bruggeman asked what the reason for the flooding was. Mr. Desai responded part of it is because it is an older community; slab on grade homes, a lot of DOT infrastructure, tidal conditions, some of the system is old and not functioning to its capacity and is undersized. Ms. Alice Howard commented on the commercial development impact in the area and that regulations weren't how they are now. Mr. Desai commented that the lack of maintenance may be some of it, so in-house staff is working on some of it.

**E. Professional Contracts Report – Neil Desai**

Factory Creek, the request for the one year extension was approved. Factory Creek Phase II construction is 80% complete.

Graves/Pepper Hall some funding has been put in the FY21 budget as there are some obligations. Mr. Bruggeman asked if any money was put into the project other than Stormwater. Mr. Desai explained there will be transportation money for the road network and multi-use path. Three departments involved: Planning and Zoning, Engineering and Stormwater. Mr. Bruggeman asked about the house built in there. Mr. Desai responded it was probably built without the BMP's in consideration. Mr. Marc Feinberg asked about the retention pond and the maintenance of it by the stormwater utility. Mr. Desai replied that an interconnected drainage system being proposed by the applicant with a series of ponds. There is an obligation for maintenance and after construction will put in the budget. Mr.

Bruggeman asked about the \$500k in the budget. Mr. Desai commented that is the obligation based on the engineering estimate until project build-out. Anticipate the project to last 2.5 to 3 years. After completion anticipate it to be low and then an increase for maintenance.

In reference to Lady's Island Sea Island Plan, Ms. Katie Herrera attended the meeting on behalf of the department. Freeboard elevation and new roadway elevations discussions took place. Mr. Bruce Reynolds asked what no fill means. Mr. Desai explained it is an initiative by the Planning and Zoning department where they are looking not to prohibit fill in flood waters or wet areas. Mr. Desai's interpretation is that it is based on the FEMA flood maps. Mr. Reynolds commented about his property and observations within the area. Discussion took place about permitting through OCRM and Army Corps of Engineering. Mr. Bruggeman suggested Mr. Reynolds speak with the Planning department, OCRM or Army Corps of Engineering, as this issue is not related to Stormwater. Mr. Desai offered to exchange information with him after the meeting.

Salt Creek and Shanklin Road, the 30% design submittal under review. Staff is working on a letter to be sent to property owners that may be affected.

Brewer Memorial, SCDOT has approved the request for pipe diversion and Ward Edwards is in the final design permitting process.

Evergreen, an inspection was done on February 7<sup>th</sup> and the Town of Bluffton did an inspection two weeks ago. Looking to address comments from the Town. 90% design submittal under review.

#### **F. Regional Coordination – Neil Desai**

The County and Town of Bluffton met at to discuss May River and sanitary sewer projects. Scheduled to meet town, County and BJWSA to meet at the end of the month. There are seven projects to discuss and how to do a partnership.

In regards to Mossy Oaks Task Force, there is a meeting on March 31<sup>st</sup>. Beaufort County is working on a MOU and IGA in relation that project.

#### **G. Municipal Reports – Neil Desai**

Mr. Jeff Netzinger mentioned there was a vacancy and the Town of Hilton Head has made an offer to a candidate, so they hope to have that filled. They had RFQ for on call modeling services, should have interviews for that in the next couple weeks. Major overhaul of Jarvis creek pump station (20 year old facility), they are onto punch list now. Looking to have to do a similar project in Sea Pines/Lawton Station due to aging infrastructure.

Mr. Bruggeman asked Ms. Kim Jones why the whole engineering report is included. She responded that they fall under the engineering department (Capital Projects, Watershed Management, Public Works). They count sewer projects and 319 projects. Ms. Jones noted the Town is working with GIS/IT to create a May River watershed story map that will have a water quality dashboard similar to SCDHEC watershed atlas.

#### **H. Municipal Separate Storm Sewer System (MS4 Update) – Neil Desai**

Mr. Desai commented that from last Tuesday to Thursday areas of the County received about 4.5 inches. As a result, the department was busy.

Staff did an internal walk thru of the process for Energov; Stormwater is just one part.

In reference to items 8 and 9, an update from SCASM indicated DHEC is still a ways away for both permits [MS4 Statewide General permit and Statewide General permit for Construction].

Ms. Katie Herrera and Beth McLaughlin (consultant) presented at International Erosion Control National Conference.

#### **I. Maintenance Projects Report – Neil Desai**

Please reference the report, no additional updates.

#### **5. Unfinished Business – None.**

\* The board went back to Item #1A to approve the agenda (4/0) and to Item #1B to approve the minutes from January 8, 2020 (3-Yays/1-Abstained). Mr. James Fargher abstained from the approval of the January 8, 2020 minutes as he was not present at that meeting. The February 12, 2020 minutes are moving forward to the next board meeting for approval.

#### **6. New Business –**

**A. Voting for Stormwater Management Utility Board Chairman and Vice Chairman –** Mr. Bruggeman commented that he is willing be to Chairman another year. A motion was made to have Billy Bruggeman remain the chairman of the Stormwater Management Utility (Approved 3-Yays /1-Abstained). Mr. Bruggeman abstained from voting for himself.

Discussion about Vice Chairman and if anyone knew of Mr. Schneider’s wishes in regards to being vice chairman. A motion is made for Allyn Schneider to remain Vice Chair (Approved 4/0).

**B. FY21 Budget –** One correction to the budget document in the second box, the last two lines need crossed out; there is not a reduction in fees. [See attached.](#) About a \$1.2M increase, a majority is for Capital Projects, Evergreen and Pepper Hall. Mr. Feinberg asked how Evergreen went from \$317K to \$840K. In response it was explained the project is going from design to construction and will be fast tracked, as it has been on the books for a while. Stormwater is taking the funds for all of the years stretched out and putting it all in FY21 to finish it up. Mr. Feinberg asked about the appetite for a budget increase. Mr. Desai commented that the projects were not being finished at the pace he would like, so more effort whether it is dollars or man power resources will be put into them. Ms. Howard commented that during the retreat most of Council was comfortable with the proposed increase and that they are going through the budget this month to finalize it. Mr. Scott Liggett commented about the capital fund being created to do something like this. Mr. Desai mentioned to support the increase for FY21 he is looking to bring on a Consultant to help with the management of the County’s program (DHEC requirements and overall water quality).

Mr. Bruggeman commented on when the utility was first set up that the administration then wanted what was brought in to be spent. He mentioned the Capital Improvement fund was created to save some money to use when needed. He then asked what is in the fund. Mr. Desai responded he doesn’t have those numbers with him, but can get the reserve fund information to the Board. Mr. Bruggeman also asked about the Camp Saint Mary’s project. Mr. Desai replied he will provide a breakdown of the project.

A motion was made to approve the proposed 2021 budget as presented. The motion was approved (4/0).

**7. Public Comment(s)** – Mr. Bruce Reynolds asked the Board if they are aware of the situation on Cat Island. He commented that residents are scared as the golf course and club were sold. The landowners are meeting with the Planning Board next week to find out if the golf course can be used for anything other than a golf course and developed. He asked what would happen as far as stormwater management if it can be developed.

Mr. Desai responded from a stormwater standpoint that a proposed plan like that would need a master plan that would take in account the existing drainage and overlay that with the proposed drainage to see what the cause and effect would be. Whether there would be modifications to existing drained or if they'd building new BMP's, ponds, etc. Mr. Reynolds asked how long something like that would take. Mr. Desai responded it depends on the firm and how many resources they have and their timeline. He estimates at a minimum 6 months to 18 months. Mr. Bruggeman commented that it would have to meet the current ordinances and BMP's set by the Stormwater Manual. Mr. Desai said it would also to have to meet the zoning requirements. Ms. Howard commented it is a PUD and that a lot of questions will be addressed at the March 19<sup>th</sup> meeting.

**8. Next Meeting Agenda** – Approved.

Ms. Jones asked if Bill from Center for Watershed will be presenting, as part of the SoLoCo timeline for the Regional Ordinance. Staff will follow up on that presentation.

**9. Meeting Adjourned**

DRAFT

**Beaufort County Stormwater Utility  
Proposed Budget for FY2020**

**Unaudited Projected Revenue**

|                                    | FY2020<br>Budget | FY2021<br>Proposed<br>Budget |
|------------------------------------|------------------|------------------------------|
| <b>Revenue</b>                     |                  |                              |
| Admin SWU Fees                     | 1,022,876        | 903,126                      |
| Unincorp/CWI SWU Fees              | 5,759,669        | 6,100,193                    |
| <b>Total Revenue from SWU Fees</b> | <b>6,782,545</b> | <b>7,003,319</b>             |
| Reimbursable Projects              | -                | -                            |
| Interest                           | 125,000          | 112,500                      |
| Gain on Sale of Capital Assets     | -                | -                            |
| Other                              | -                | 11,175                       |
| Cost-Share for Joint Efforts       | 12,914           | -                            |
| Bond                               | -                | -                            |
| <b>Reserve Utilization</b>         |                  |                              |
| Utility's Cash Balance             | -                | -                            |
| Capital Improvement Fund           | 1,508,119        | 2,918,262                    |
| <b>Projected Revenue Total</b>     | <b>8,428,578</b> | <b>10,045,256</b>            |

425,550 - Admin budget  
C/S for monitoring (\$120K) & PE/O (\$90K)  
COB - \$35,579  
ToB - \$56,865  
ToHHI - \$151,933  
ToPR - \$22,158  
Unincorp BC \$369,014  
Additional Unincorp BC \$267,576

County SW Admin Fees & SWU Fees - \$5,592,644  
CWI Fees - \$860,593  
Admin fees from municipalities - \$266,535  
Proposed admin fee reduction from \$19 to \$14 resulting in a rate decrease from \$100 to \$95

Interest on County investments allocated to SW

SW Permits

May approach CoB or ToPR for Cost-share if litigation of delinquent fees is necessary.

**Efforts (Expenses)**

|                                     | FY2020           | FY2021            |
|-------------------------------------|------------------|-------------------|
| <b>Administration</b>               | <b>444,291</b>   | <b>575,550</b>    |
| <b>Utility Activities</b>           |                  |                   |
| UA/Annual Maintenance               | 4,193,868        | 4,732,884         |
| UA/Public Information/Outreach      |                  |                   |
| UA/Drainage Enhancement             | 20,000           | 10,000            |
| UA/Additional Studies               | 20,000           | -                 |
| <i>Utility Activities Subtotal</i>  | <i>4,233,868</i> | <i>4,742,884</i>  |
| <b>Regulation</b>                   |                  |                   |
| UA/Control Reg                      | 794,840          | 872,789           |
| UA/WQ Monitoring                    | 185,000          | 120,000           |
| UA/Public Information/Outreach      | 95,000           | 95,000            |
| <i>Regulation Subtotal</i>          | <i>1,074,840</i> | <i>1,087,789</i>  |
| <b>Reserve Utilization</b>          |                  |                   |
| Del Webb Agreement Fund             |                  |                   |
| Capital Improvement Fund            |                  |                   |
| Brewer Memorial Demo Pond           | 462,000          | 600,000           |
| Factory Creek Phase I               | -                | 327               |
| Factory Creek Phase II              | -                | 20,550            |
| Salt Creek South                    | 248,496          | 248,496           |
| Shanklin Road                       | 341,820          | 341,820           |
| Mossy Oaks                          | 205,000          | 205,000           |
| Camp St. Mary                       | 342,000          | 342,000           |
| Evergreen                           | 317,322          | 840,000           |
| Graves/Pepper Hall                  |                  | 500,000           |
| Rock Springs Creek                  |                  | 43,052            |
| <i>Reserve Utilization Subtotal</i> | <i>1,916,638</i> | <i>3,141,245</i>  |
| <b>Utility Operating Fund</b>       |                  |                   |
| Capital Assets New Purchases        | 758,940          | 497,788           |
| <b>Efforts Total</b>                | <b>8,428,578</b> | <b>10,045,256</b> |

**Personnel**  
SW Manager; Business Mngr; GIS/MS4 Data Mngr; Admin Tech - .5 FTE; Fiscal Tech - .1 FTE; Asst SW Mngr - .2 FTE  
\$150K Professional Services for litigation of delinquent SW fees (not included in the portion of the admin budget that is cost-shared with the municipalities.)

**Personnel**  
Superintendent; Admin Superintendent; (2) Foremen; (38) crew & support; (2) Infrastruc. Inspec Tech; Fiscal Tech - .2 FTE; Asst SW Mngr - .4FTE  
**Professional Services**  
\$15K - Survey  
\$60K - Engineering Services  
**Non-Professional Services**  
\$370K - major failures repaired by contractor (Oak Marsh, Bluffton Flyover, and contingency)  
**Other**  
\$188K - Interest on bond

**Personnel**  
MS4 Coord/Inspector; (3) Inspectors; SW Plan Reviewer/Inspector; Admin Tech- .5 FTE; Fiscal Tech- .1 FTE; Asst SW Mngr - .4 FTE (Removed one inspector position)  
**Professional Services**  
\$238K - MS4 Consultant

\$120K - USCB Lab

\$90K - Carolina Clear  
\$5K - Website Maintenance

Construction

ROW

ROW

Cost-Share w/ CoB

Design

Construction

County share for design & construction per the JDA

Design

**Regulatory**  
\$10,519 - Cost-Share for Plotter/Scanner  
**Infrastructure**  
\$220,000 - Truck Mounted Camera System  
\$41K - Replace Pickup Truck  
\$41,750 - SUV for Asst SW Mngr  
\$124K - Replace Excavator  
\$50K - Land Acquisition



**BEAUFORT COUNTY  
STORMWATER UTILITY  
120 Shanklin Road  
Beaufort, South Carolina 29906  
Voice (843) 255-2805 Facsimile (843) 255-9436**

July 8, 2020

**Stormwater Manager's Report for the Stormwater Utility Board Meeting**

Utility Update

1. Southern Lowcountry Regional Board (SoLoCo)
  - a) The current schedule for completion and finalization on the document and activities of Center for Watershed Protection (CWP) is as follows:

Remaining project milestones to be completed:

    - o CWP final presentation to the Board.
2. Regionalization
  - a) Regional Stormwater Design Standard and Model Ordinance Project – See update above.
  - b) Regionalization of programs – With the finalization of the Regional Stormwater Design Standard and Model Ordinance it is hoped each participating jurisdiction will adopt these policy documents for implementation to provide consistent administration of Stormwater Management guidelines and policies in the region. Discussions of a Regional Stormwater Authority to administer the adopted guidelines and policies holistically within the region/jurisdictions can be fostered.
3. Special presentation suggestions –
  - Bill Hodgins with Center for Watershed Protection for an update on the Regional Design Manual and Ordinance – TBD
  - Suggestions for Future Meetings?
4. Military installation and other State and Federal properties SWU fees – See “Delinquent Accounts” below. Staff continues to work with GIS to update impervious area layers for the military installations.
5. Delinquent accounts – Phase I Investigations with Gentry Locke Attorneys (looking at data, laws, ordinances, synopsis of case law) to provide recommendations and likely outcomes of either negotiations or litigation.
  - Gentry Locke continues to do research on delinquent fees.
6. Reminder: Annual Financial report from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30<sup>th</sup>, the City and Towns are required to submit a summary of revenue and expenditures for the previous

fiscal year.

- a) Beaufort County – Report to be provided under New Business. [Attached.](#)
- b) Town of Hilton Head Island – [Attached.](#)
- c) Town of Bluffton – Received.
- d) Town of Port Royal – Received.
- e) City of Beaufort – [Attached.](#)

### Monitoring Update

1. Lab Update (From Dr. Alan Warren and Lab Manager Danielle Mickel)
  - i. No information was available at the time of this report.

### Stormwater Related Projects

1. Easements – Staff is working on easement requests and meets monthly to review status. A few condemnations are still being pursued using outside legal counsel.
2. Complaints – Staff continually works numerous drainage related complaints each month.
  - a) Flyover bridge preventative maintenance and deferred maintenance repairs – Last update: Consultant working on preliminary design and permitting. Consultant is proceeding to apply for the wetland/critical area permit from the state & federal agencies.
  - b) Shell Point Community Meeting —Cranston Engineering is working on the drainage study.
3. Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision (Design Cost \$49,873, Tree Mitigation Cost \$18,200 & \$18,200, Construction Cost by the Developer) – Construction on-going and estimated to be 60% complete.
4. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) – Construction on-going and estimated to be 80% complete.
5. Graves Property / Pepper Hall Public / private partnership – Engineer has submitted conceptual Stormwater Permit plans for roads and infrastructure on the Graves Property. Staff is waiting for Stormwater Master Plan for Graves Property.
6. Whitehall property purchase – County staff met to review the conceptual Stormwater masterplan for the property with the engineer on June 1<sup>st</sup>, 2020.
7. US 278 “super street” widening on Jenkins Island (Windmill Harbor area) – No update at this time.
8. Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – Draft Beaufort County Sea Level Rise Taskforce recommendations were received on June 1<sup>st</sup>, 2020. Draft ordinance

recommendations were provided to staff on June 26<sup>th</sup>. Staff will be meeting with Sea Level Rise Taskforce members to discuss ordinance and recommendations in July. Date TBD.

### Professional Contracts Report

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900) – All projects are in early design phase.
  - a) Salt Creek and Shanklin Road – 30% Design submittal under review. Right-of-way acquisition areas being assessed and Notice to property owners affected by project work and property acquisition requirements being finalized. Finalizing the proposed notification to residents for mailing in the near future.
  - b) Brewer Memorial – SCDOT has approved County request for pipe diversion and consultant is preparing final design and permitting. Consultant getting in touch with Clemson Extension for possible educational partnership.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – 100% Design submittal.
3. RFQ for Stormwater engineering consulting services was advertised on May 25<sup>th</sup>, 2020. RFQ closed on June 30<sup>th</sup>, 2020.

### Regional Coordination

1. Town of Bluffton and Beaufort County Joint meetings on Sanitary Sewer in the May River watershed – Representatives from County and Town of Bluffton met on February 27<sup>th</sup> to discuss sanitary sewer extension work and priority. The next meeting is scheduled for March 31<sup>st</sup> with the Town of Bluffton, Beaufort County and BJWSA. Staff is looking at available funding options, Legal Department to provide additional guidance/recommendations.
2. Mossy Oaks Task Force –An MOU with the City was approved by County Council on May 26<sup>th</sup>, 2020.
3. Charleston Area MS4 managers group – Next meeting is scheduled for June 25<sup>th</sup>, 2020. Staff provided a brief update on the status of the SoLoCo project.
4. May River Watershed Modeling – See municipal reports for more information.
5. Port Royal Sound Conservation Working Group – No additional update at this time.

### Municipal Reports

1. Town of Hilton Head Island (From Jeff Netzing, Stormwater Manager and Brian Eber,

MS4 Coordinator)

- i. No information was available at the time of this report.
2. Town of Bluffton (From Kim Jones, Watershed Management Division Director)
  - i. No information was available at the time of this report.
3. City of Beaufort (From Nate Farrow, Public Works Director)
  - i. No information was available at the time of this report.
4. Town of Port Royal (From Van Willis, Town Manager and Tony Maglione, consultant)
  - i. No information was available at the time of this report.

MS4 Report

1. Plan Review – [See the attached chart](#) for Beaufort County Stormwater staff plan review workload for the past 12 months.
2. Stormwater Permits – [See the attached chart](#) for Beaufort County Stormwater permits issued for the past 12 months.
3. Monthly Inspection summary - [See the attached chart](#) for Beaufort County Stormwater staff inspection, complaint, IDDE, and violations summary for the past 12 months.
4. Weather Station Data. No information was available at the time of this report.
5. Public Education – [See attached report.](#)
6. Energov permitting software – Staff met with Energov implementation team on May 11<sup>th</sup>, 2020 to provide additional clarification on provided documentation. Implementation schedule update was provided on June 17<sup>th</sup>. Implementation is on track for early to mid-November of this year.
7. MS4 Statewide General permit – No update at this time.
8. Statewide General permit for Construction – No update at this time.

**Beaufort County Public Works' Stormwater Utility**  
**Stormwater Utility**  
**FY 2019 Actuals**

**Revenue/Reserve Utilization**

March 4, 2020

|                                    | FY 2018             | Approved Budget  | FY 2019 Unaudited Actuals | Variance           |   |
|------------------------------------|---------------------|------------------|---------------------------|--------------------|---|
|                                    | Actuals             |                  |                           |                    |   |
| Admin SWU Fees                     | 978,510             | 777,672          | 993,499                   | 215,827            | \$732,684 - Unincorp BC<br>\$260,815 - Municipalities   |
| Unincorp/CWI SWU Fees              | 4,697,084           | 5,092,859        | 4,610,468                 | (482,391)          |   |
| <b>Total Revenue from SWU Fees</b> | <b>5,675,593</b>    | <b>5,870,531</b> | <b>5,603,968</b>          | <b>(266,563)</b>   | Billed \$100k less than anticipated<br>\$141k in delinquent fees  |
| Reimbursable Projects              | -                   | -                | -                         | -                  |   |
| Interest                           | 148,938             | 2,500            | 272,185                   | 269,685            |   |
| Gain (Loss) Sale of Capital Assets | (10,836)            | -                | 75,935                    | 75,935             |   |
| Other                              | 12,490              | -                | 13,496                    | 13,496             | \$1,596 - Driveway installation<br>\$11,900 - Permits   |
| Cost-Share for Joint Efforts       | 27,622              | 27,694           | 35,823                    | 8,129              |   |
| <b>Reserve Utilization</b>         |                     |                  |                           | -                  | Regional SW Std Development<br>City of Hardeeville - \$3,642<br>Jasper County - \$11,889<br>Town of Bluffton - \$20,293 |
| Capital Improvement Fund           | 616,990             | 2,145,569        | -                         | (2,145,569)        |   |
| Stormwater Utility                 |                     | 526,007          | -                         | (526,007)          |   |
|                                    | <b>\$ 6,470,798</b> | <b>8,572,301</b> | <b>6,001,407</b>          | <b>(2,570,894)</b> |   |

**Efforts (Expenditures)**

|  | FY 2018             |                     | FY 2019             |                       |  |
|--|---------------------|---------------------|---------------------|-----------------------|--|
|  | \$                  |                     | \$                  | \$                    |  |
| Admin                                    | \$ 380,014          | 367,672             | \$ 355,975          | \$ (11,697)           | <b>Professional Services</b><br>\$1,388 - MS4 Admin Support<br>\$107,105 - SW Regional Standards<br>\$2,000 - MS4 Permit   |
| <b>Regulation</b>                        |                     |                     |                     | -                     |  |
| UA/Control Reg                           | 446,009             | 897,830             | 542,250             | (355,580)             | \$120K - USCB Lab<br>\$15K - WQ Analysis (w/ ToB)<br>\$3,259 - Bold & Gold Analysis  |
| UA/WQ Monitoring                         | 120,000             | 180,000             | 138,259             | (41,741)              |  |
| UA/Public Information/Outreach           | 90,000              | 90,000              | 90,000              | -                     |  |
| <i>Utility Activities Subtotal</i>       | <i>656,009</i>      | <i>1,167,830</i>    | <i>770,509</i>      | <i>(397,321)</i>      | Carolina Clear   |
| <b>Utility Activities</b>                |                     |                     |                     |                       |  |
| UA/Annual Maintenance                    | 2,956,276           | 3,398,972           | 2,737,802           | (661,170)             | \$188,193 - Interest Expense   |
| UA/Drainage Enhancement                  | -                   | 14,000              | -                   | (14,000)              |  |
| UA/Additional Studies                    | 67,999              | 15,000              | 150,532             | 135,532               | <b>Professional Services</b><br>\$7,607 - Drainage & Capital Project Review Support<br>\$131,625 - Admin Parking lot repair<br>\$11,300 - Wallace Rd Project   |
| <i>Utility Activities Subtotal</i>       | <i>3,024,275</i>    | <i>3,427,972</i>    | <i>2,888,334</i>    | <i>(539,638)</i>      |  |
| <b>Capital Improvement Fund</b>          |                     |                     |                     |                       |  |
| Okatie West/SC 170 Retrofit              | 946,213             | 5,000               | 113,022             | 108,022               |  |
| Battery Creek Upper Retrofit             | 205,137             | -                   | -                   | -                     |  |
| Buckingham Plantation                    | -                   | 276,247             | -                   | (276,247)             |  |
| Brewer Memorial Demo Pond                | 17,338              | -                   | 55,121              | 55,121                |  |
| Factory Creek Phase I                    | 62,930              | -                   | 5,470               | 5,470                 |  |
| Factory Creek Phase II                   | 12,000              | -                   | -                   | -                     |  |
| Salt Creek South                         | 26,109              | 444,774             | 58,087              | (386,687)             | <b>50250013</b><br>\$30,739 - New Pickup Truck for additional Inspector<br><b>50250011</b><br>\$40,501 - Labor truck budgeted for FY18, not received until FY19<br>\$48,093 - Labor truck<br>\$114,646 - Bush hog<br>\$117,452 - Backhoe Loader<br>\$153,268 - Bull Dozer<br>\$67,387 - Minil Excavator<br>\$62,410 - Hydroseeder<br>\$46,821 - Appraisals, title research, and legal services |
| Shanklin Road                            | 22,248              | 639,144             | 63,255              | (575,889)             |  |
| Grober Hill                              | -                   | -                   | -                   | -                     |  |
| Sawmill Creek/Forby                      | 31,181              | 560,000             | 3,800               | (556,200)             |  |
| Evergreen                                | 8,118               | -                   | 34,673              | 34,673                |  |
| Mossy Oaks                               | -                   | 220,404             | 5,000               | (215,404)             |  |
| <i>Capital Improvement Fund Subtotal</i> | <i>1,331,274</i>    | <i>2,145,569</i>    | <i>338,428</i>      | <i>(1,807,141)</i>    |  |
| <b>Utility Operating Fund</b>            |                     |                     |                     |                       |  |
| Capital Assets New Purchases             | 1,281,659           | 1,213,258           | 679,340             | 318,009               |  |
| Reserve Fund                             | 250,000             | 250,000             | 250,000             | -                     | Fourth and Final year  |
| <b>Efforts Total</b>                     | <b>\$ 5,641,572</b> | <b>\$ 8,572,301</b> | <b>\$ 5,282,586</b> | <b>\$ (3,247,538)</b> |  |

**TOWN OF HILTON HEAD ISLAND, SOUTH CAROLINA**  
**STATEMENT OF NET POSITION - PROPRIETARY FUND**  
**JUNE 30, 2019**

|   | <b>STORMWATER<br/>FUND</b> |
|---|----------------------------|
| <b>ASSETS</b>                               |                            |
| Current Assets:                             |                            |
| Cash and Cash Equivalents                   | \$ 2,509,158               |
| Cash and Cash Equivalents, Restricted       | 1,763,812                  |
| Due from Other Governments                  | 17,565                     |
| Accounts Receivable                         | -                          |
| Interfund Receivables                       | 3,005,682                  |
| Total Current Assets                        | <u>7,296,217</u>           |
| Non-Current Assets:                         |                            |
| Capital Assets:                             |                            |
| Non-Depreciable                             | 1,314,457                  |
| Depreciable, Net                            | 11,134,935                 |
| Total Non-Current Assets                    | <u>12,449,392</u>          |
| <b>TOTAL ASSETS</b>                         | <b><u>19,745,609</u></b>   |
| <b>DEFERRED OUTFLOWS OF RESOURCES</b>       |                            |
| Deferred Charges on Bond Refunding          | 537,329                    |
| <b>TOTAL DEFERRED OUTFLOWS OF RESOURCES</b> | <b><u>537,329</u></b>      |
| <b>LIABILITIES</b>                          |                            |
| Current Liabilities:                        |                            |
| Accounts Payable                            | 644,581                    |
| Interfund Payables                          | 78,523                     |
| Accrued Interest Payable                    | 69,622                     |
| Current Portion of Bonds Payable            | 1,235,000                  |
| Total Current Liabilities                   | <u>2,027,726</u>           |
| Non-Current Liabilities:                    |                            |
| Bonds Payable                               | 8,855,000                  |
| Total Non-Current Liabilities               | <u>8,855,000</u>           |
| <b>TOTAL LIABILITIES</b>                    | <b><u>10,882,726</u></b>   |
| <b>NET POSITION</b>                         |                            |
| Net Investment in Capital Assets            | 4,660,533                  |
| Unrestricted                                | 4,739,679                  |
| <b>TOTAL NET POSITION</b>                   | <b><u>\$ 9,400,212</u></b> |

The notes to the financial statements are an integral part of this statement.  
See accompanying independent auditor's report.

TOWN OF HILTON HEAD ISLAND, SOUTH CAROLINA

STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN FUND NET POSITION - PROPRIETARY FUND

YEAR ENDED JUNE 30, 2019

|  | <u>STORMWATER<br/>FUND</u> |
|--|----------------------------|
| <b>OPERATING REVENUES</b>                      |                            |
| Stormwater Fees                                | \$ 4,895,801               |
| <b>TOTAL OPERATING REVENUES</b>                | <u><b>4,895,801</b></u>    |
| <b>OPERATING EXPENSES</b>                      |                            |
| Maintenance and Repair                         | 1,579,712                  |
| Administrative - Salary and Benefits           | 451,955                    |
| Administrative - Operating                     | 242,787                    |
| Depreciation                                   | 1,091,604                  |
| <b>TOTAL OPERATING EXPENSES</b>                | <u><b>3,366,058</b></u>    |
| <b>OPERATING INCOME</b>                        | <b>1,529,743</b>           |
| <b>NON-OPERATING REVENUES (EXPENSES)</b>       |                            |
| Investment Income                              | 75,260                     |
| Administrative                                 | (6,500)                    |
| Interest Expense                               | (386,908)                  |
| <b>TOTAL NON-OPERATING REVENUES (EXPENSES)</b> | <u><b>(318,148)</b></u>    |
| <b>INCOME (LOSS) BEFORE TRANSFERS</b>          | <b>1,211,595</b>           |
| Transfers Out                                  | <u>(125,000)</u>           |
| <b>CHANGE IN NET POSITION</b>                  | <b>1,086,595</b>           |
| NET POSITION, Beginning of Year                | <u>8,313,617</u>           |
| <b>NET POSITION, End of Year</b>               | <u><b>\$ 9,400,212</b></u> |

The notes to the financial statements are an integral part of this statement.  
See accompanying independent auditor's report.

TOWN OF HILTON HEAD ISLAND, SOUTH CAROLINA  
STATEMENT OF CASH FLOWS - PROPRIETARY FUND  
YEAR ENDED JUNE 30, 2019

|   | <b>STORMWATER<br/>FUND</b> |
|---|----------------------------|
| <b>CASH FLOWS FROM OPERATING ACTIVITIES</b>                               |                            |
| Receipts from Charges for Fees and Services                               | \$ 4,899,269               |
| Payments to Suppliers   | (1,965,696)                |
| Payments to Employees   | (451,955)                  |
| Cash Payments for Interfund Services                                      | (2,944,710)                |
| NET CASH PROVIDED BY OPERATING ACTIVITIES                                 | <u>(463,092)</u>           |
| <b>CASH FLOWS FROM NON-CAPITAL FINANCING ACTIVITIES</b>                   |                            |
| Transfers to Other Funds for Non-Capital Purposes                         | (125,000)                  |
| Receipts from Non-Operating Grants and Contributions                      | 24,768                     |
| NET CASH PROVIDED BY (USED IN) NON-CAPITAL FINANCING ACTIVITIES           | <u>(100,232)</u>           |
| <b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES</b>           |                            |
| Acquisition of Capital Assets   | (272,786)                  |
| Bond and Note Payments  | (1,200,000)                |
| Nonoperating Administrative Expenses                                      | (6,500)                    |
| Interest and Fiscal Charges Paid on Bonds                                 | (311,653)                  |
| NET CASH PROVIDED BY (USED IN) CAPITAL AND RELATED FINANCING ACTIVITIES   | <u>(1,790,939)</u>         |
| <b>CASH FLOWS FROM INVESTING ACTIVITIES</b>                               |                            |
| Income Received on Investments  | 75,260                     |
| NET CASH PROVIDED BY INVESTING ACTIVITIES                                 | <u>75,260</u>              |
| <b>NET INCREASE IN CASH AND CASH EQUIVALENTS</b>                          | <b>(2,279,003)</b>         |
| CASH AND CASH EQUIVALENTS, Beginning of Year                              | <u>6,551,973</u>           |
| <b>CASH AND CASH EQUIVALENTS, End of Year</b>                             | <b>\$ <u>4,272,970</u></b> |
| Reconciliation of Operating Income to Net Cash From Operating Activities: |                            |
| Operating Income  | \$ 1,529,743               |
| Adjustments to Reconcile Operating Income to Net                          |                            |
| Transfers Out for Interfund Services                                      | (125,000)                  |
| Cash Provided by (Used in) Operating Activities:                          |                            |
| Depreciation Expense  | 1,091,604                  |
| (Increase) Decrease in Assets:  |                            |
| Accounts Receivable   | 3,468                      |
| Interfund Receivables   | (3,005,682)                |
| Increase (Decrease) in Liabilities:                                       |                            |
| Accounts Payable  | (143,197)                  |
| Interfund Payables  | 185,972                    |
| Net Cash Provided By Operating Activities                                 | <u>\$ (463,092)</u>        |

The notes to the financial statements are an integral part of this statement.  
See accompanying independent auditor's report.

**CITY OF BEAUFORT, SOUTH CAROLINA  
BALANCE SHEET  
GOVERNMENTAL FUNDS  
JUNE 30, 2019**

|   | <u>General Fund</u> | <u>TIF II Fund</u>  | <u>Capital Projects<br/>Fund</u> | <u>Parks and<br/>Tourism Fund</u> | <u>Stormwater<br/>Fund</u> | <u>Other<br/>Governmental<br/>Funds</u> | <u>Total<br/>Governmental<br/>Funds</u> |
|---|---------------------|---------------------|----------------------------------|-----------------------------------|----------------------------|---|---|
| <b>ASSETS</b>   |                     |                     |                                  |                                   |                            |   |   |
| Cash and cash equivalents   | \$ 7,847,090        | \$ 589,318          | \$ 1,374,003                     | \$ 739,983                        | \$ 225,706                 | \$ 29,409                               | \$ 10,805,509                           |
| Taxes receivable, net   | 224,808             | -                   | -                                | -                                 | 58,489                     | -                                       | 283,297                                 |
| Other receivables   | 987,802             | -                   | 445,565                          | 85,025                            | 8,969                      | 199,673                                 | 1,727,034                               |
| Due from other funds  | 85,365              | -                   | -                                | -                                 | -                          | -                                       | 85,365                                  |
| Inventories and other assets  | 24,963              | -                   | -                                | -                                 | -                          | -                                       | 24,963                                  |
| Restricted cash and cash equivalents                                    | -                   | 4,186,795           | 3,654,242                        | -                                 | 5,627,919                  | 25,436                                  | 13,494,392                              |
| Total assets  | <u>9,170,028</u>    | <u>4,776,113</u>    | <u>5,473,810</u>                 | <u>825,008</u>                    | <u>5,921,083</u>           | <u>254,518</u>                          | <u>26,420,560</u>                       |
| <b>LIABILITIES, DEFERRED INFLOWS OF RESOURCES<br/>AND FUND BALANCES</b> |                     |                     |                                  |                                   |                            |   |   |
| Liabilities:  |                     |                     |                                  |                                   |                            |   |   |
| Accounts payable  | 591,895             | -                   | 268,820                          | 76,332                            | 15,865                     | 15,849                                  | 968,761                                 |
| Due to other funds  | -                   | -                   | -                                | -                                 | -                          | 85,365                                  | 85,365                                  |
| Due to other governments  | 148,797             | -                   | 1,246,680                        | -                                 | -                          | -                                       | 1,395,477                               |
| Accrued liabilities   | 317,740             | -                   | -                                | 15,488                            | 9,647                      | 3,234                                   | 346,109                                 |
| Deposits and escrow   | 182,645             | -                   | -                                | 5,300                             | -                          | 25,319                                  | 213,264                                 |
| Total liabilities   | <u>1,241,077</u>    | <u>-</u>            | <u>1,515,500</u>                 | <u>97,120</u>                     | <u>25,512</u>              | <u>129,767</u>                          | <u>3,008,976</u>                        |
| Deferred Inflows of Resources:  |                     |                     |                                  |                                   |                            |   |   |
| Unavailable revenue - property taxes                                    | 89,948              | -                   | -                                | -                                 | 51,195                     | -                                       | 141,143                                 |
| Total deferred inflows of resources                                     | <u>89,948</u>       | <u>-</u>            | <u>-</u>                         | <u>-</u>                          | <u>51,195</u>              | <u>-</u>                                | <u>141,143</u>                          |
| Fund balances:  |                     |                     |                                  |                                   |                            |   |   |
| Nonspendable:   |                     |                     |                                  |                                   |                            |   |   |
| Inventories   | 24,198              | -                   | -                                | -                                 | -                          | -                                       | 24,198                                  |
| Cemetery  | -                   | -                   | -                                | -                                 | -                          | 7,246                                   | 7,246                                   |
| Restricted  | 693,855             | 4,776,113           | 2,407,562                        | 727,888                           | 5,844,376                  | 95,352                                  | 14,545,146                              |
| Committed for:  |                     |                     |                                  |                                   |                            |   |   |
| Land Acquisition  | 653,849             | -                   | -                                | -                                 | -                          | -                                       | 653,849                                 |
| Vehicle and equipment replacement                                       | 352,729             | -                   | -                                | -                                 | -                          | -                                       | 352,729                                 |
| Redevelopment   | 355,905             | -                   | -                                | -                                 | -                          | -                                       | 355,905                                 |
| Capital Projects  | 612,270             | -                   | 1,550,748                        | -                                 | -                          | -                                       | 2,163,018                               |
| Law enforcement   | -                   | -                   | -                                | -                                 | -                          | 22,153                                  | 22,153                                  |
| Assigned for:   |                     |                     |                                  |                                   |                            |   |   |
| Subsequent year's budget  | 90,687              | -                   | -                                | -                                 | -                          | -                                       | 90,687                                  |
| Unassigned  | 5,055,510           | -                   | -                                | -                                 | -                          | -                                       | 5,055,510                               |
| Total fund balances   | <u>7,839,003</u>    | <u>4,776,113</u>    | <u>3,958,310</u>                 | <u>727,888</u>                    | <u>5,844,376</u>           | <u>124,751</u>                          | <u>23,270,441</u>                       |
| Total liabilities, deferred inflows of<br>resources and fund balances   | <u>\$ 9,170,028</u> | <u>\$ 4,776,113</u> | <u>\$ 5,473,810</u>              | <u>\$ 825,008</u>                 | <u>\$ 5,921,083</u>        | <u>\$ 254,518</u>                       | <u>\$ 26,420,560</u>                    |

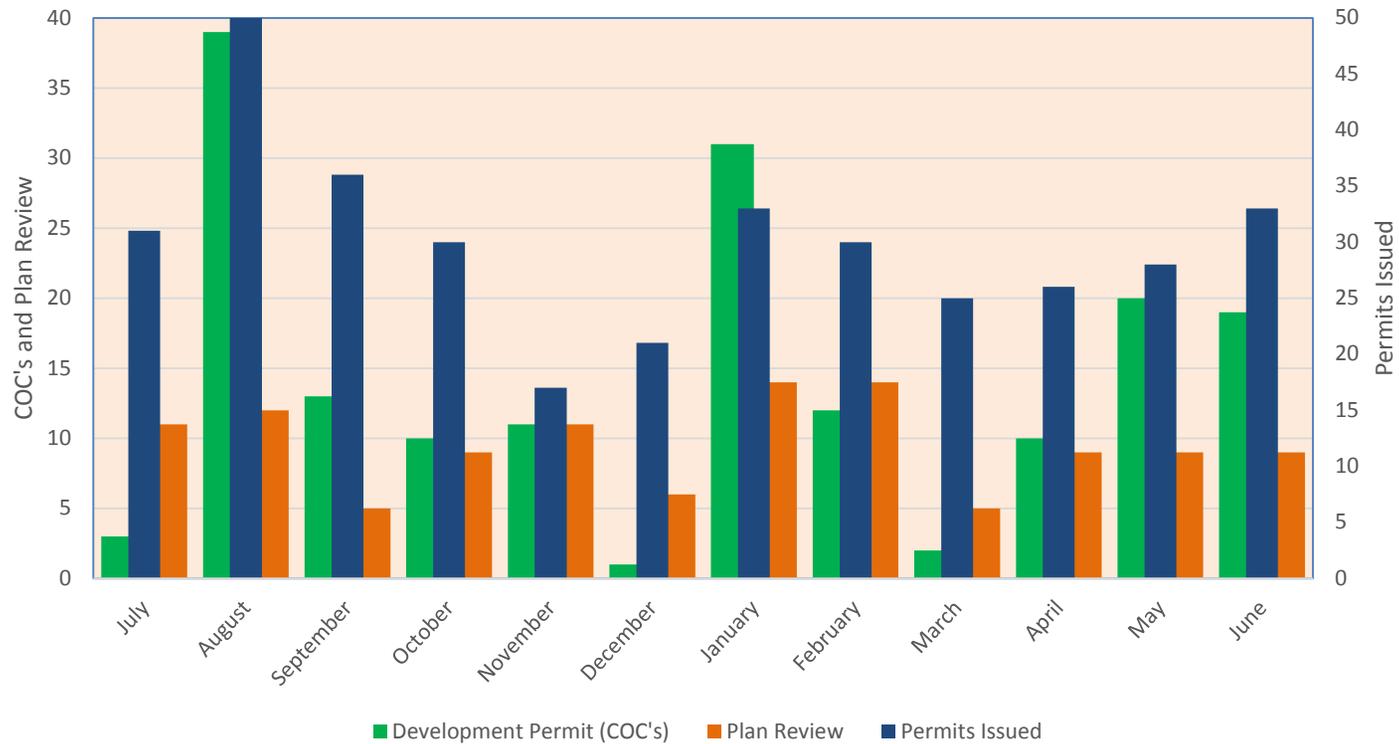
**CITY OF BEAUFORT, SOUTH CAROLINA**  
**STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES**  
**GOVERNMENTAL FUNDS**  
**FOR THE FISCAL YEAR ENDED JUNE 30, 2019**

|   | General Fund        | TIF II Fund         | Capital Projects<br>Fund | Parks and<br>Tourism Fund | Stormwater<br>Fund  | Other<br>Governmental<br>Funds | Total<br>Governmental<br>Funds |
|---|---------------------|---------------------|--------------------------|---------------------------|---------------------|--------------------------------|--------------------------------|
| <b>REVENUES</b>   |                     |                     |                          |                           |                     |                                |                                |
| Property taxes  | \$ 6,913,981        | \$ -                | \$ -                     | \$ -                      | \$ -                | \$ -                           | \$ 6,913,981                   |
| Other taxes   | -                   | -                   | -                        | 2,965,921                 | -                   | 538,685                        | 3,504,606                      |
| Franchise fees  | 2,070,518           | -                   | -                        | -                         | -                   | -                              | 2,070,518                      |
| Fines and forfeitures                                     | 169,793             | -                   | -                        | -                         | -                   | -                              | 169,793                        |
| Licenses and permits                                      | 4,447,687           | -                   | -                        | -                         | -                   | -                              | 4,447,687                      |
| Intergovernmental   | 2,447,713           | -                   | 850,698                  | -                         | -                   | -                              | 3,298,411                      |
| Charges for services                                      | 1,319,387           | -                   | -                        | 821,904                   | 1,092,475           | 12,380                         | 3,246,146                      |
| Investment earnings                                       | 132,271             | 151,867             | 82,970                   | -                         | -                   | 2,317                          | 369,425                        |
| Miscellaneous   | 98,308              | -                   | -                        | 14,673                    | -                   | 200                            | 113,181                        |
| Total revenues  | <u>17,599,658</u>   | <u>151,867</u>      | <u>933,668</u>           | <u>3,802,498</u>          | <u>1,092,475</u>    | <u>553,582</u>                 | <u>24,133,748</u>              |
| <b>EXPENDITURES</b>                                       |                     |                     |                          |                           |                     |                                |                                |
| Current:  |                     |                     |                          |                           |                     |                                |                                |
| General government  | 2,830,557           | -                   | 686                      | -                         | -                   | 425,112                        | 3,256,355                      |
| Law enforcement   | 4,044,470           | -                   | -                        | 1,267,787                 | -                   | 68,536                         | 5,380,793                      |
| Fire and emergency  | 5,122,518           | -                   | -                        | -                         | -                   | -                              | 5,122,518                      |
| Public works  | 1,609,194           | 105,900             | -                        | -                         | 765,215             | -                              | 2,480,309                      |
| Culture and recreation                                    | -                   | -                   | -                        | 1,183,635                 | -                   | -                              | 1,183,635                      |
| Streets   | 923,912             | -                   | -                        | -                         | -                   | -                              | 923,912                        |
| Community and economic development                        | 789,239             | -                   | -                        | 608,622                   | -                   | 197,820                        | 1,595,681                      |
| Debt Service:   |                     |                     |                          |                           |                     |                                |                                |
| Principal   | 1,357,709           | -                   | -                        | 222,116                   | 411,000             | -                              | 1,990,825                      |
| Interest and other charges                                | 465,160             | -                   | -                        | 86,982                    | 162,980             | -                              | 715,122                        |
| Capital Outlay  | -                   | -                   | 2,249,192                | 46,649                    | -                   | -                              | 2,295,841                      |
| Total expenditures  | <u>17,142,759</u>   | <u>105,900</u>      | <u>2,249,878</u>         | <u>3,415,791</u>          | <u>1,339,195</u>    | <u>691,468</u>                 | <u>24,944,991</u>              |
| Excess (deficiency) of revenues over (under) expenditures | <u>456,899</u>      | <u>45,967</u>       | <u>(1,316,210)</u>       | <u>386,707</u>            | <u>(246,720)</u>    | <u>(137,886)</u>               | <u>(811,243)</u>               |
| <b>OTHER FINANCING SOURCES (USES)</b>                     |                     |                     |                          |                           |                     |                                |                                |
| Issuance of general obligation bond                       | -                   | -                   | -                        | -                         | 6,000,000           | -                              | 6,000,000                      |
| Transfers in  | 55,076              | 448,280             | 3,727,956                | 32,083                    | -                   | 30,325                         | 4,293,720                      |
| Transfers out   | (1,035,102)         | (2,387,423)         | (448,280)                | -                         | (305,431)           | (117,484)                      | (4,293,720)                    |
| Total other financing sources (uses)                      | <u>(980,026)</u>    | <u>(1,939,143)</u>  | <u>3,279,676</u>         | <u>32,083</u>             | <u>5,694,569</u>    | <u>(87,159)</u>                | <u>6,000,000</u>               |
| Net change in fund balances                               | (523,127)           | (1,893,176)         | 1,963,466                | 418,790                   | 5,447,849           | (225,045)                      | 5,188,757                      |
| Fund balances - beginning (as restated)                   | 8,362,130           | 6,669,289           | 1,994,844                | 309,098                   | 396,527             | 349,796                        | 18,081,684                     |
| Fund balances - ending                                    | <u>\$ 7,839,003</u> | <u>\$ 4,776,113</u> | <u>\$ 3,958,310</u>      | <u>\$ 727,888</u>         | <u>\$ 5,844,376</u> | <u>\$ 124,751</u>              | <u>\$ 23,270,441</u>           |

**CITY OF BEAUFORT, SOUTH CAROLINA  
BUDGETARY COMPARISON SCHEDULE  
STORMWATER – SPECIAL REVENUE FUND  
FOR THE YEAR ENDED JUNE 30, 2019**

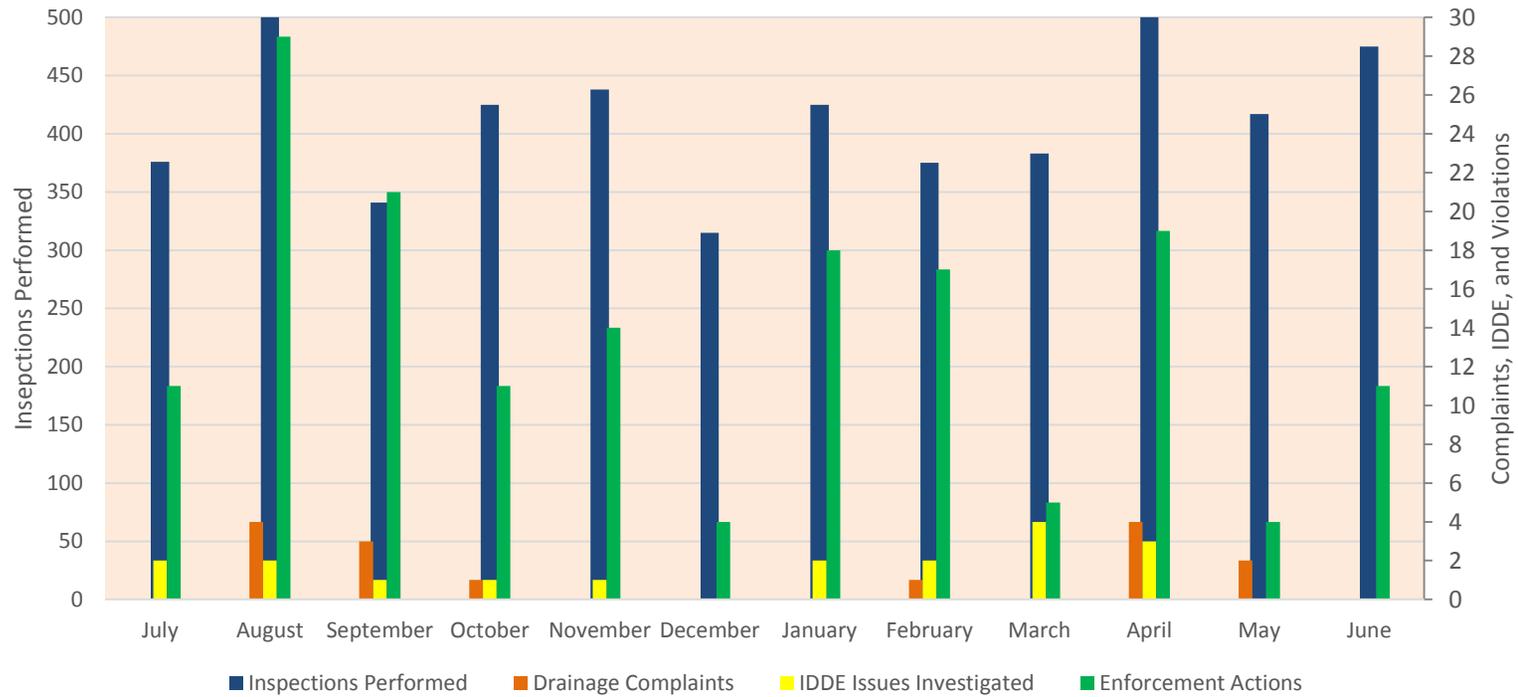
|   | <u>Budgeted Amounts</u> |                     | <u>Actual</u>       | <u>Variance with<br/>Final Budget<br/>Positive<br/>(Negative)</u> |
|---|-------------------------|---------------------|---------------------|---|
|   | <u>Original</u>         | <u>Final</u>        |                     |   |
| <b>Revenues:</b>                              |                         |                     |                     |   |
| Charges for services                          | \$ 1,065,306            | \$ 1,065,306        | \$ 1,092,475        | \$ 27,169   |
| Total revenues                                | <u>1,065,306</u>        | <u>1,065,306</u>    | <u>1,092,475</u>    | <u>27,169</u>   |
| <b>Expenditures:</b>                          |                         |                     |                     |   |
| Current:                                      |                         |                     |                     |   |
| Public works                                  | 518,886                 | 795,573             | 765,215             | 30,358  |
| Debt Service:                                 |                         |                     |                     |   |
| Principal                                     | 396,420                 | 411,000             | 411,000             | -   |
| Interest and other charges                    | 150,000                 | 162,980             | 162,980             | -   |
| Total expenditures                            | <u>1,065,306</u>        | <u>1,369,553</u>    | <u>1,339,195</u>    | <u>30,358</u>   |
| Deficiency of revenues under expenditures     | <u>-</u>                | <u>(304,247)</u>    | <u>(246,720)</u>    | <u>(3,189)</u>  |
| <b>Other financing sources (uses):</b>        |                         |                     |                     |   |
| Issuance of general obligation bond           | -                       | 6,000,000           | 6,000,000           | -   |
| Transfers out                                 | -                       | -                   | (305,431)           | (305,431)   |
| Total other financing sources, net            | <u>-</u>                | <u>6,000,000</u>    | <u>5,694,569</u>    | <u>(305,431)</u>  |
| Net change in fund balance                    | -                       | 5,695,753           | 5,447,849           | 247,904   |
| Fund balance, beginning of year (as restated) | <u>396,527</u>          | <u>396,527</u>      | <u>396,527</u>      | <u>-</u>  |
| Fund balance, end of year                     | <u>\$ 396,527</u>       | <u>\$ 6,092,280</u> | <u>\$ 5,844,376</u> | <u>\$ 247,904</u>   |

### MS4 Minimum Control Measure #5 Stormwater Plan Review



| TYPE                       | July | August | September | October | November | December | January | February | March | April | May | June | Last 12 Months |
|----------------------------|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|----------------|
| Development Permit (COC's) | 3    | 39     | 13        | 10      | 11       | 1        | 31      | 12       | 2     | 10    | 20  | 19   | 171            |
| Plan Review                | 11   | 12     | 5         | 9       | 11       | 6        | 14      | 14       | 5     | 9     | 9   | 9    | 114            |
| Permits Issued             | 31   | 50     | 36        | 30      | 17       | 21       | 33      | 30       | 25    | 26    | 28  | 33   | 360            |

### MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



| TYPE                     | July | August | September | October | November | December | January | February | March | April | May | June | Last 12 Months |
|--------------------------|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|----------------|
| Inspections Performed    | 376  | 525    | 341       | 425     | 438      | 315      | 425     | 375      | 383   | 512   | 417 | 475  | 5007           |
| Drainage Complaints      | 0    | 4      | 3         | 1       | 0        | 0        | 0       | 1        | 0     | 4     | 2   | 0    | 15             |
| IDDE Issues Investigated | 2    | 2      | 1         | 1       | 1        | 0        | 2       | 2        | 4     | 3     | 0   | 0    | 18             |
| Enforcement Actions      | 11   | 29     | 21        | 11      | 14       | 4        | 18      | 17       | 5     | 19    | 4   | 11   | 164            |

**Lowcountry Stormwater Partners (LSP) Monthly Report**  
**6/6/20 – 7/1/20**

**Completed Stormwater Outreach/Involvement Activities:**

- Big News for Small Ponds Announcement
  - The "Big News for Small Ponds" mailing list is for both pond managers and owners in Beaufort, Jasper, Colleton, and Hampton Counties. By signing up for the mailing list, participants will receive emails or direct mailers about local, pond-related trainings, events, and certification opportunities.
  - 6/10/20, online, 40, [Find a copy here](#)
- Healthy Pond Series
  - The Healthy Pond Series is a community-based discussion series for pond owners to learn and share stormwater pond management solutions. This virtual session discussed shoreline erosion solutions. Participants heard about multiple solutions from different industry experts, followed by a question and answer session.
  - 6/11/20, online, 69
- LSP Changing Tides Newsletter
  - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
  - 6/12/20, online, 122, [Find a copy here](#)
- Protecting Tidal Creeks with Planted Buffer Webinars
  - The LSP and the ACSEC prepared a webinar to teach how planted buffers can help keep our tidal creeks clean and healthy. Topics included buffer function, design, and plant selection.
  - 6/30/20, online, 48
- 4-H20@Home
  - Due to the cancellation of this summer's 4-H20 camp, the local 4-H agent and I adapted the 4-H20 curriculum into a series of six, at-home lesson plans. Children and parents can use these lesson plans at home with common household items. We gathered the lesson plans into an activity book called "4-H20@Home" and distributed it to 105 3rd grade students at Okatie Elementary School. This activity book is also available for youth throughout the summer.
  - 5/21/20, 105, [Find a copy here](#)
- HGIC Blog Post
  - The HGIC blog focuses on bringing timely information to South Carolinians on a variety of topics. Blog content is published and then promoted on the Clemson Extension Facebook page and the HGIC weekly newsletter, which has 3500 subscribers. My post will educate pond owners on the benefits of vegetated buffers.
  - Will publish on 7/15/20

**Ongoing Stormwater Outreach/Involvement Activities:**

- Mossy Oaks Rain Garden Workshop
  - I created the Mossy Oaks Elementary School Rain Garden Design Plan that included:
    - a project description
    - a site plan
    - plant descriptions
    - materials and budget
    - a maintenance agreement and plan
    - additional resources.

## Ongoing Stormwater Outreach/Involvement Activities (cont.):

- Mossy Oaks Rain Garden Workshop (cont.)
  - This plan was peer-reviewed by Kim Counts Morganello and Laura Lee Rose. [You can find a copy of the design plan here.](#)
  - I submitted the design plan to the School Improvement Committee on 6/1/20. They approved it the same day. The School Improvement Committee submitted the design plan to the Mossy Oaks Elementary School principal on 6/10/20. She green-lighted it on 6/15/20. The principal submitted the design plan to the Beaufort County School District on 6/17/20. We are still awaiting their approval.
  - I will schedule a rain garden workshop to install the BMP in the fall once the school district approves the plan, and a school representative returns a signed maintenance agreement.
- Septic System Resources
  - The written content for the website is currently undergoing a second round of peer-review. Once this round is complete, we will send it to SC DHEC and a specialist at Clemson University for the final round of review. We hope to receive their edits by the end of July.
  - After the third round of edits, we will send the content to Clemson for website creation. We hope to have the website completed by winter 2020.
  - The septic system website will include a way for citizens to sign-up for an annual reminder to schedule septic system inspections. This form is currently under construction.
  - The project team created a list of additional outreach materials to make using the information from the website. They include magnets, brochures, door-hangers, fact sheets, etc. However, to create visual unity between all the products, we are designing a banner graphic. Once that is complete, we will begin creating additional materials.
- Pet Waste Outreach Plan
  - This plan involves the creation of PSAs, a pledge, and bag giveaways. I will package the PSAs, pledge materials, and bags together. These packages will be used at in-person events and dropped off at participating pet stores, shelters, and veterinary offices. I will use the pledge cards to collect email addresses and invite participants to join our listservs.
  - I've used partner feedback to select and order the pet waste bag holders.
  - For PSAs, the 2018 Carolina Clear mass media campaign produced billboards (which are still up) as well as a commercial. These items are in the resources section for further sharing. The Clemson Water Resources Team also finalized the design for an infographic on pet waste. [Find a copy here.](#)
  - I am planning a social media campaign centered on pet waste for August. I am currently working with Clemson's Communications Departments to fine-tune the project for the maximum impact.
  - The Clemson Communications Department and the Water Resources Team are partnering to re-design the current pet waste pledge and associated marketing products. The following items should be ready before the end of the month:
    - Business-card sized pledge cards
    - A pledge sign-up sheet
    - A poster with the pledge and a link to sign-up online. These can double as additional pet waste station signage as well as part of a display.
    - An online pledge sign-up form
    - A pledge card file that can be customized and sent to people who pledge through the online sign-up form.

### **Ongoing Stormwater Outreach/Involvement Activities (cont.):**

- Buffer Information Packets for New Marsh-Front Property Owners
  - I created a draft information packet. This packet included:
    - A welcome letter from the LSP explaining the importance of buffers
    - Clemson's HGIC factsheet #1856: Life Along the Saltmarsh: Protecting Tidal Creeks with Vegetative Buffers
    - South Carolina Department of Health and Environmental Control's Backyard Buffers publication
    - An additional native plant list for expanded design options
    - An example buffer design with plant cost information
    - Contact information for local buffer ordinances
  - The packet is currently undergoing the peer review process.
  - This peer-review process revealed that this resource would be beneficial for the entire coastal region. Therefore, plans are in motion to adapt this project to a more regional audience. This process may delay the product's release but will improve its quality and impact.
- Creation of an HOA Direct Mailing List
  - I began creating a list of mailing addresses for existing HOAs/PUDs to send pond training announcements and an invitation to join the Big News for Small Ponds listserv.
- LSP Website Updates
  - The Clemson Carolina Clear Program's website is undergoing an update. As part of this update, the LSP and other consortiums need to update their websites. I began and completed the list of necessary changes on the week of June 22<sup>nd</sup>. I will submit these requests this week for Clemson to make.
- Direct Contacts
  - During this time frame, I helped seven (7) individuals who directly contacted me with issues. The most common questions were about pond maintenance, buffer maintenance, and fish-stocking information.
  - 7, Phone calls and emails
- LSP Facebook page
  - The LSP Facebook page serves to engage and involve citizens in water-quantity and water-quality information. I also use the Facebook page to announce local, regional, and state-wide events.
  - 282 Likes, 713 People Reached with 17 posts made between 6/5/20 and 6/29/20

### **Planned Stormwater Outreach/Involvement Activities:**

- LSP Changing Tides Newsletter
  - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
  - 7/14/20, online, 132
- LSP Consortium Meeting
  - 7/21/20, online, [Find a copy of the agenda here](#)
- Healthy Pond Webinar
  - I plan to host a Healthy Ponds, Healthy Communities presentation as a webinar in late July or early August.
- Brochure/Rack Card Creation
  - I plan to make a rack card on pond maintenance.
- Friends of Cypress Wetlands Partnership Meeting
  - 8/6/20 (Clemson policy on in-person meetings permitting)

### **Planned Stormwater Outreach/Involvement Activities (cont.):**

- Healthy Pond Series
  - The Healthy Pond Series is a community-based discussion series for pond owners to learn and share stormwater pond management solutions. This virtual session will discuss the roles and responsibilities of pond owners, pond managers, and local government when it comes to pond maintenance. Participants will hear from multiple municipalities about how their stormwater programs are structured, followed by a question and answer session.
  - 8/20/20, online
- HGIC Blog Post
  - The HGIC blog focuses on bringing timely information to South Carolinians on a variety of topics. Blog content is published and then promoted on the Clemson Extension Facebook page and the HGIC weekly newsletter, which has 3500 subscribers. My post will educate septic owners on system maintenance.
  - Will publish on 8/20/20
- Using the SC Low Impact Development Manual to Meet State Stormwater Requirements
  - This workshop is being planned in partnership with the ACE Basin NERR Coastal Training Program to meet our strategic plan needs. We originally scheduled the workshop for May as an in-person event. It is now tentatively scheduled for August as a virtual event. Participants will learn what the SC LID manual is and how to access it. Participants will also become familiar with manual contents and receive a demonstration covering how to use the calculators to ensure site design meets state standards.
  - Date TBD, online
- Rain Garden presentation to Dawtaw Garden Club (rescheduled from May)
  - 9/8/20

### **Other Activities for Strategic Plan Compliance:**

- Soil Sample Social Media Campaign Development
  - I plan to run this campaign in September.
- LID Lunch-and-Learns
  - After collaborating with Chuck Jarman, we concluded that we should schedule these events when Clemson and other parties lift restrictions on in-person workshops.

### **Completed Strategic Plan Items:**

- Pond training listserv and direct mailer list
- Pet waste mass media campaign (see resources)
- 2019 Beaufort Area Stormwater Pond Conference
- Master Pond Manager
- Pond mass media campaign (see resources)
- Pond management website (see resources)
- Soil sample trainings (satisfied by Cultivating a Carolina Yards workshops)
- Soil sample bags at festivals, nurseries, farmer's markets, and Master Gardener events
- Construction site trainings for contractors (satisfied by CEPSCI courses)
- LID factsheets (see resources)
- LID training for design professionals (will be satisfied when DNR's Coastal Training Program reschedules to LID Manual Training)
- LID signs (see resources)

**Completed Strategic Plan Items (cont.):**

- BMP workshops for homeowners (satisfied by Cultivating a Carolina Yards workshops, rain garden presentations, and Being a Neighbor for Clean Water Webinar Series)
- Master Rain Gardener
- Step-stake sign for rain gardens (see resources)
- Rain Garden Rack Card ([find it here](#))

**Available Resources (Please do not share these links. Files can be downloaded directly for sharing):**

- [IDDE/FOG Handouts](#)
- [BMP Sign Designs](#) (one can print the rain garden sign as a step-stake for new homeowners)
- [LID Factsheet Links](#)
- [Billboard Graphics](#)
- [Commercials/Videos](#)
- [Reference Websites](#)
- [Soil Sample Information Documents](#)
- [Link to a folder with all of the above](#)



## MEMORANDUM

Date: April 8, 2020

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

This report will cover one major project and five minor projects. The Project Summary Reports are attached.

### **Major Project:**

- **Warsaw Island Road Channel #1 – St. Helena Island (SWUD 8):** This project improved 320 feet of drainage system. The scope of work included installing 320 feet of channel pipe, 1 access pipe, 4 catch basins, rip rap and hydroseeding for erosion control. The total cost was **\$38,808.98.**

### **Minor or Routine Projects:**

- **Port Royal Island Vacuum Truck – Port Royal Island (SWUD 6/9):** This project improved 966 feet of drainage system. The scope of work included cleaning out 55 catch basins, 1 manhole, 8 feet of valley drain, jetting 28 crossline pipes, 6 driveway pipes 238 feet of channel pipe and 720 feet of roadside pipe. The total cost was **\$16,695.23.**
- **Peaches Hill Circle – St. Helena Island (SWUD 7):** This project improved 1,567 feet of drainage system. The scope of work included removing blockages from flowline, cleaning out 1,237 feet of roadside ditch, 330 feet of channel pipe, upsizing 1 access pipe, installing straw mat and hydroseeding for erosion control. The total cost was **\$14,540.62.**
- **Bluffton Vacuum Truck – Bluffton (SWUD 4):** This project improved 461 feet of drainage system. The scope of work included cleaning out 24 catch basins, 40 feet of valley drain, 103 feet of trough, jetting 2 driveway pipes, 12 crossline pipes, 120 feet of roadside pipe and 198 feet of channel pipe. The total cost was **\$12,908.09.**
- **Sheldon Vacuum Truck – Sheldon (SWUD 5):** This project improved 50 feet of drainage system. The scope of work included cleaning out 42 feet of valley drain, 4 catch basins and jetting 8 feet of channel pipe. The total cost was **\$1,322.49.**



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Warsaw Island Road Channel #1

**Activity:** Drainage Improvement

**Duration:** 09/30/19-11/05/19

**Narrative Description of Project:**

Project improved 320 L.F. of drainage system. Installed 320 L.F. of channel pipe, (1) access pipe, (4) catch basins, rip rap and hydroseeded for erosion control.

| <b>2020-016 / Warsaw Island Road Channel #1</b>    | <b>Labor Hours</b> | <b>Labor Cost</b>  | <b>Equipment Cost</b> | <b>Material Cost</b> | <b>Contractor Cost</b> | <b>Indirect Labor</b> | <b>Total Cost</b>  |
|--|--------------------|--------------------|-----------------------|----------------------|------------------------|-----------------------|--------------------|
| APINS / Access pipe - installed                    | 50.0               | \$1025.30          | \$258.28              | \$1091.39            | \$0.00                 | \$519.00              | \$2893.97          |
| AUDIT / Audit Project                              | 2.0                | \$43.58            | \$0.00                | \$0.00               | \$0.00                 | \$0.00                | \$43.58            |
| CPI / Channel Pipe - Installation                  | 216.0              | \$4382.76          | \$1067.49             | \$6768.87            | \$0.00                 | \$2002.68             | \$14221.80         |
| HAUL / Hauling                                     | 203.0              | \$4561.40          | \$2619.60             | \$6132.87            | \$0.00                 | \$1106.17             | \$14,420.04        |
| HYDR / Hydroseeding                                | 40.0               | \$799.00           | \$171.64              | \$887.47             | \$0.00                 | \$254.40              | \$2112.51          |
| RRI / Rip Rap - Installed                          | 75.0               | \$1,532.41         | \$377.53              | \$143.63             | \$0.00                 | \$750.00              | \$2,803.57         |
| STAGING / Staging Materials/Equipment              | 30.0               | \$619.80           | \$59.60               | \$31.50              | \$0.00                 | \$386.70              | \$1,097.60         |
| WSDR / Workshelf - Dressed                         | 30.0               | \$619.80           | \$171.60              | \$37.80              | \$0.00                 | \$386.70              | \$1,215.90         |
| 2020-016 / Warsaw Island Road Channel #1 Sub Total | 646.0              | \$13,584.05        | \$4,725.74            | \$15,093.54          | \$0.00                 | \$5,405.65            | \$38,808.98        |
| <b>Grand Total</b>                                 | <b>646.0</b>       | <b>\$13,584.05</b> | <b>\$4,725.74</b>     | <b>\$15,093.54</b>   | <b>\$0.00</b>          | <b>\$5,405.65</b>     | <b>\$38,808.98</b> |

**Before**

(No Picture Available)

**During**



**After**





Installed 320 L.F. of channel pipe, (4) catch basins, rip rap and hydroseeded for erosion control.

Installed (1) access pipe.

Project: Warsaw Island Road  
 Activity: Drainage Improvement  
 Project #: 2020-016  
 Township/SW Dist: St. Helena Island/8  
 Completed: November 2019

| Legend               |                |
|----------------------|----------------|
| <b>Drainage Type</b> |                |
|                      | Access Pipe    |
|                      | Bleeder Pipe   |
|                      | Channel Pipe   |
|                      | Channel        |
|                      | Stream         |
|                      | Crossline Pipe |
|                      | Driveway Pipe  |
|                      | Lateral        |
|                      | Lateral Pipe   |
|                      | River          |
|                      | Road Pipe      |
|                      | Roadside       |
|                      | Roadside Pipe  |



1 inch = 210 feet



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Port Royal Island Vacuum Truck

Jonesfield Place, Isaiah Lane, Hodge Drive, Blackburn Pierce Drive, Murray Drive, Oakmont Drive, Moultrie Circle, Hickory Street, Shell Park Circle, Roosevelt Avenue, Sandra Drive, Grays Hill Acres, Smalls Hill Road, Donaldson Camp Road, Salt Creek Drive E, Roseida Road Extension, Oak Bluff Court

**Activity:** Routine/Preventive Maintenance

**Duration:** 07/09/19-12/18/19

**Narrative Description of Project:**

Project improved 966 L.F. of drainage system. Cleaned out (55) catch basins, (1) manhole and 8 L.F. of valley drain. Jetted (28) crossline pipes, (6) driveway pipes, 238 L.F. of channel pipe and 720 L.F. of roadside pipe.

**2020-306 / Port Royal Island Vac Truck**

|   | <b>Labor Hours</b> | <b>Labor Cost</b> | <b>Equipment Cost</b> | <b>Material Cost</b> | <b>Contractor Cost</b> | <b>Indirect Labor</b> | <b>Total Cost</b>  |
|---|--------------------|-------------------|-----------------------|----------------------|------------------------|-----------------------|--------------------|
| AUDIT / Audit Project                               | 2.0                | \$43.58           | \$0.00                | \$0.00               | \$0.00                 | \$0.00                | \$43.58            |
| CBCO / Catch basin - clean out                      | 214.0              | \$4,767.92        | \$3,803.84            | \$741.11             | \$0.00                 | \$3,068.76            | \$12,381.63        |
| CLPJT / Crossline Pipe - Jetted                     | 36.0               | \$802.08          | \$363.72              | \$82.75              | \$0.00                 | \$516.24              | \$1,764.79         |
| CPJ / Channel Pipe - Jetted                         | 10.0               | \$222.80          | \$191.60              | \$32.91              | \$0.00                 | \$143.40              | \$590.71           |
| DPJT / Driveway Pipe - Jetted                       | 28.0               | \$648.04          | \$728.08              | \$115.58             | \$0.00                 | \$422.82              | \$1,914.52         |
| 2020-306 / Port Royal Island Vacuum Truck Sub Total | 290.0              | \$6,484.42        | \$5,087.24            | \$972.35             | \$0.00                 | \$4,151.22            | \$16,695.23        |
| <b>Grand Total</b>                                  | <b>290.0</b>       | <b>\$6,484.42</b> | <b>\$5,087.24</b>     | <b>\$972.35</b>      | <b>\$0.00</b>          | <b>\$4,151.22</b>     | <b>\$16,695.23</b> |

**Before**

**(No Picture Available)**

**During**



**After**





Project: Port Royal Island Vacuum Truck - Isaiah Lane Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

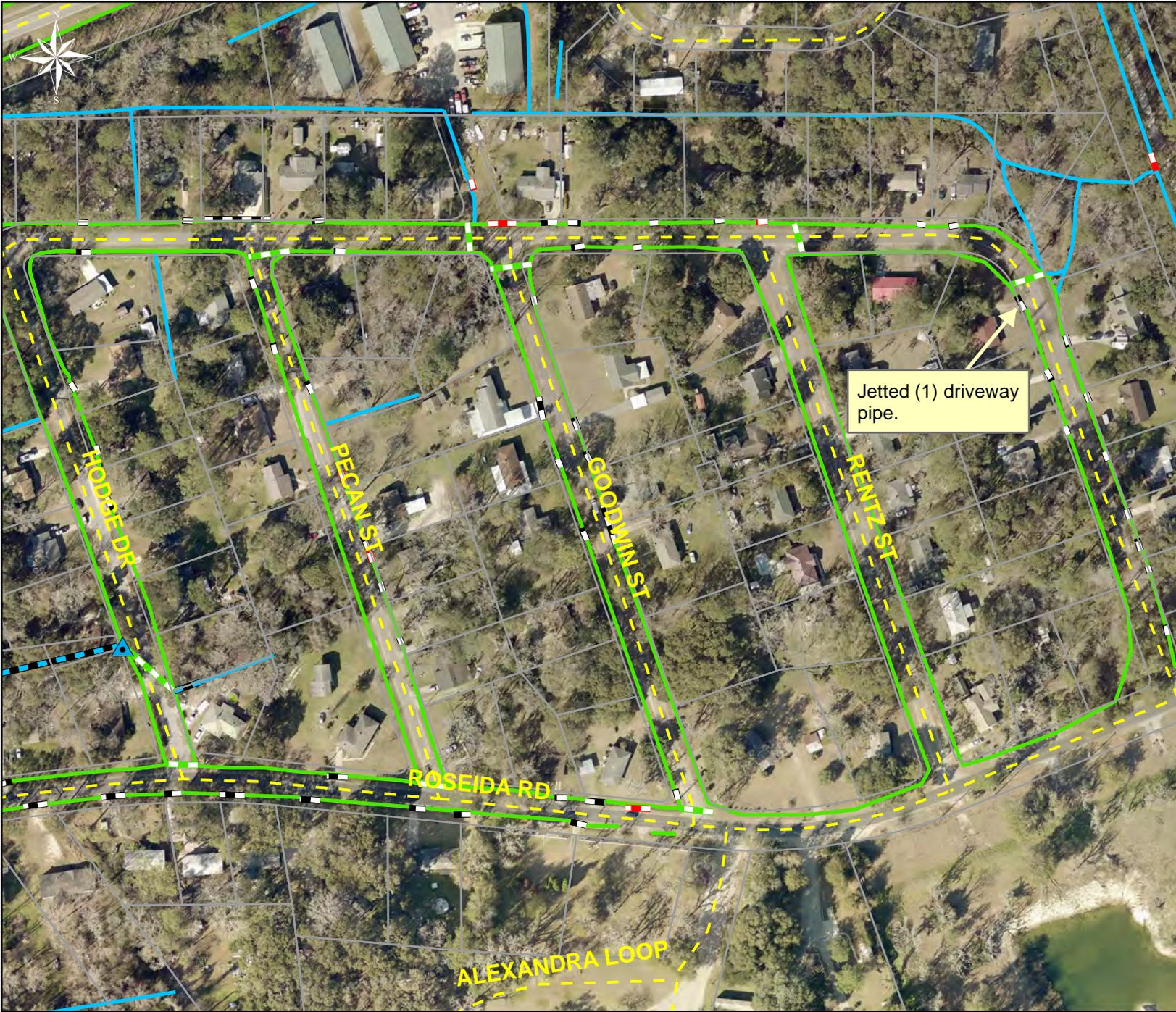
Completed: December 2019

Jetted (1) crossline pipe and (2) driveway pipes.

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 83 feet



Project: Port Royal Island Vacuum Truck - Hodge Drive Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

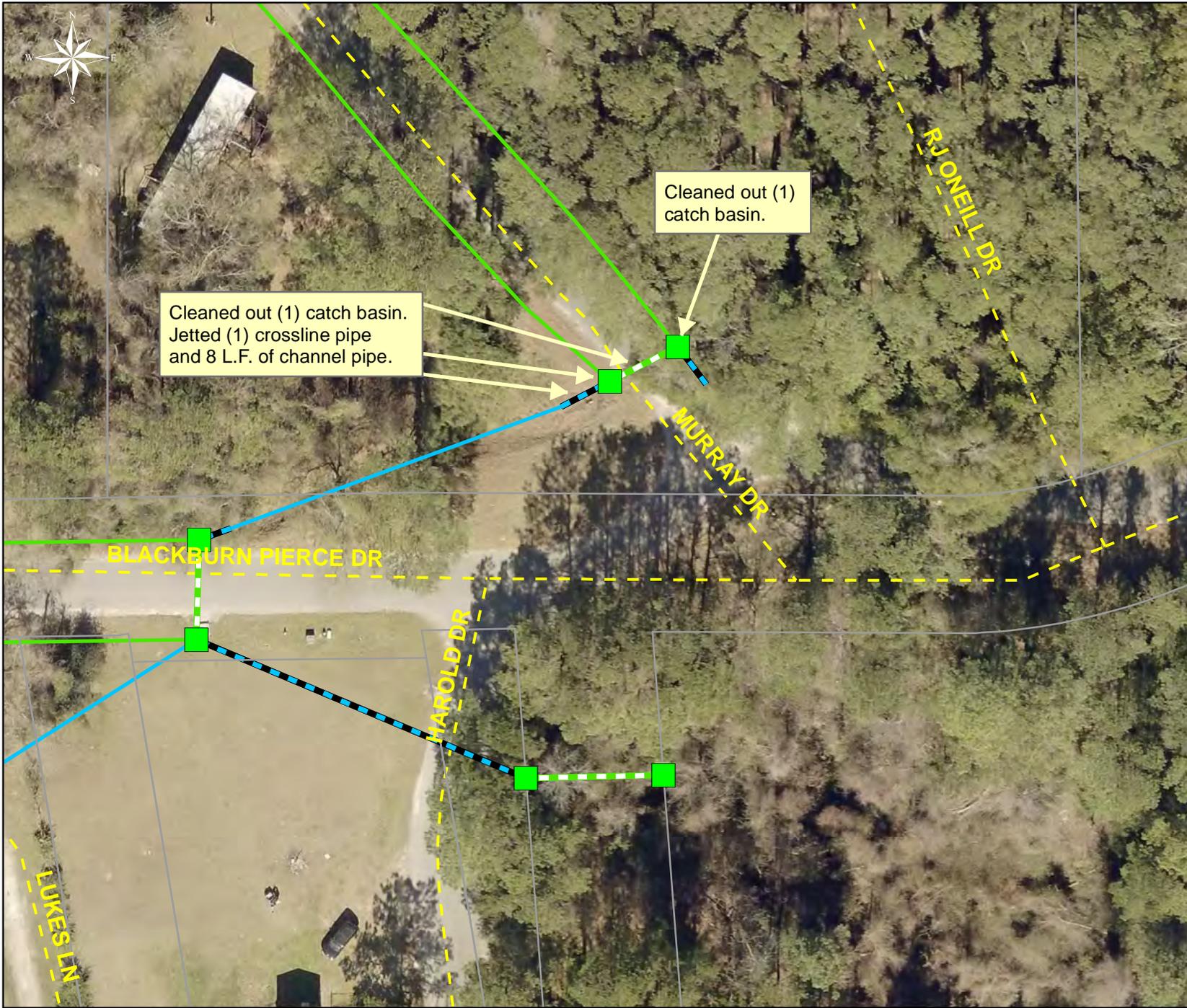
Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 200 feet



Project: Port Royal Island Vacuum Truck - Murray Drive Map #3

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 50 feet



Project: Port Royal Island Vacuum Truck - Oakmont Drive Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Oakmont Drive Map #4\_2020-306



Project: Port Royal Island Vacuum Truck - Hickory Street Map #5

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |

0 30 60 120 180 240 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Hickory Street Map #5\_2020-306



Project: Port Royal Island Vacuum Truck - Shell Park Circle Map #6

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

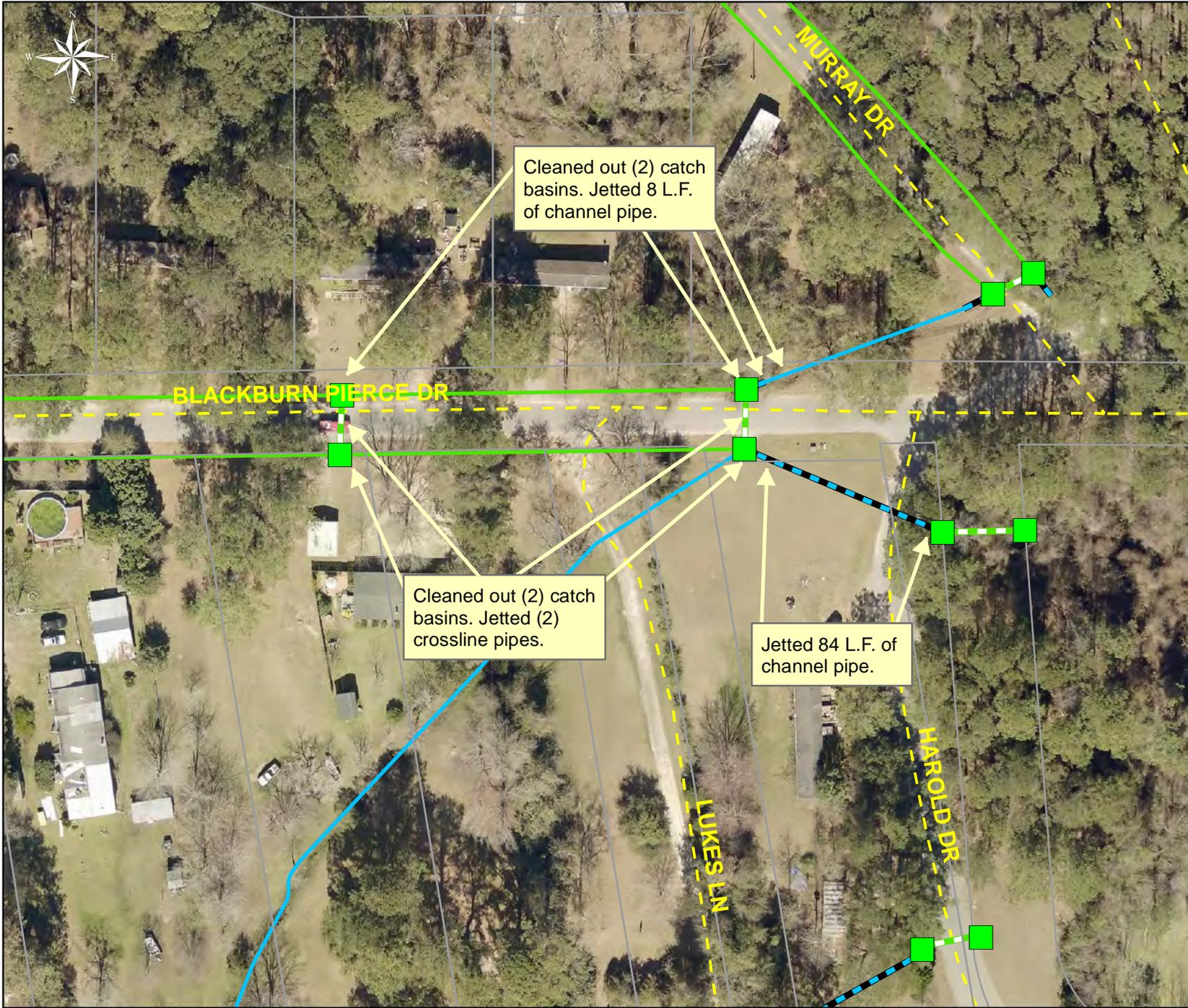
Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 83 feet



Project: Port Royal Island Vacuum Truck - Blackburn Pierce Drive Map #7

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

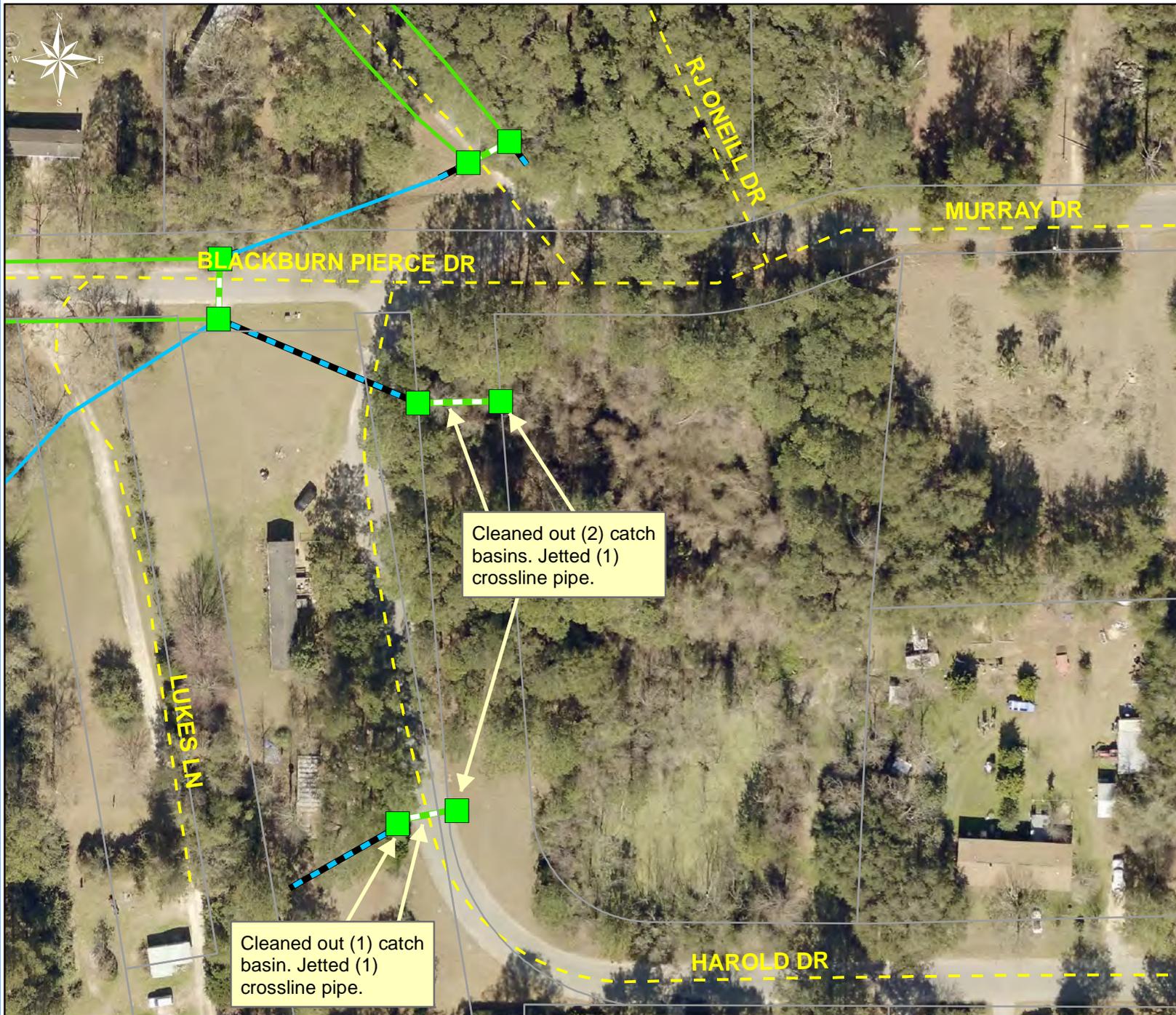
**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe



1 inch = 83 feet



Project: Port Royal Island Vacuum Truck - Harold Drive Map #8

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

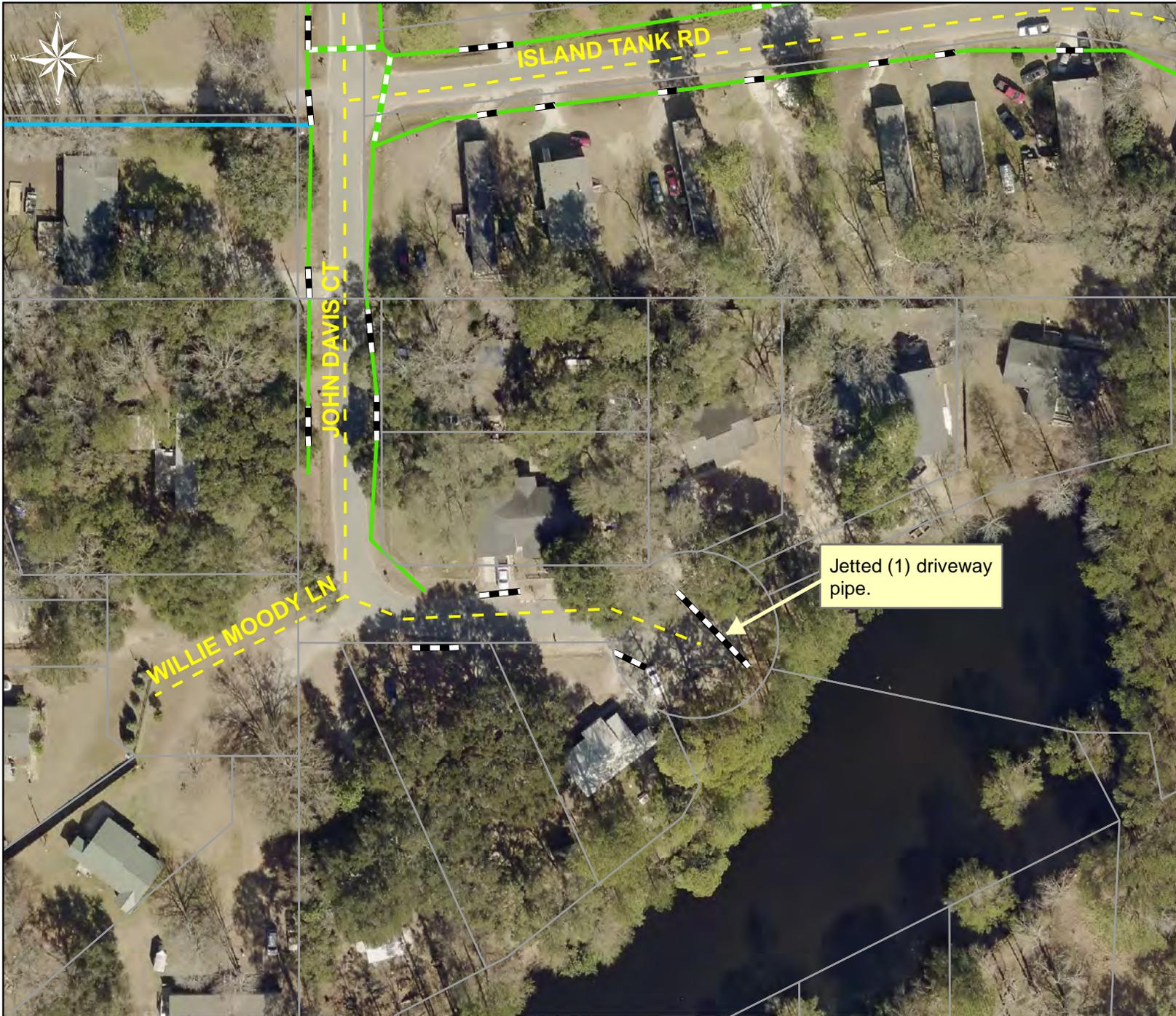
0 20 40 80 120 160 Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vac Truck- Harold Drive Map #8\_2020-306



Project: Port Royal Island Vacuum Truck - John Davis Court Map #9

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

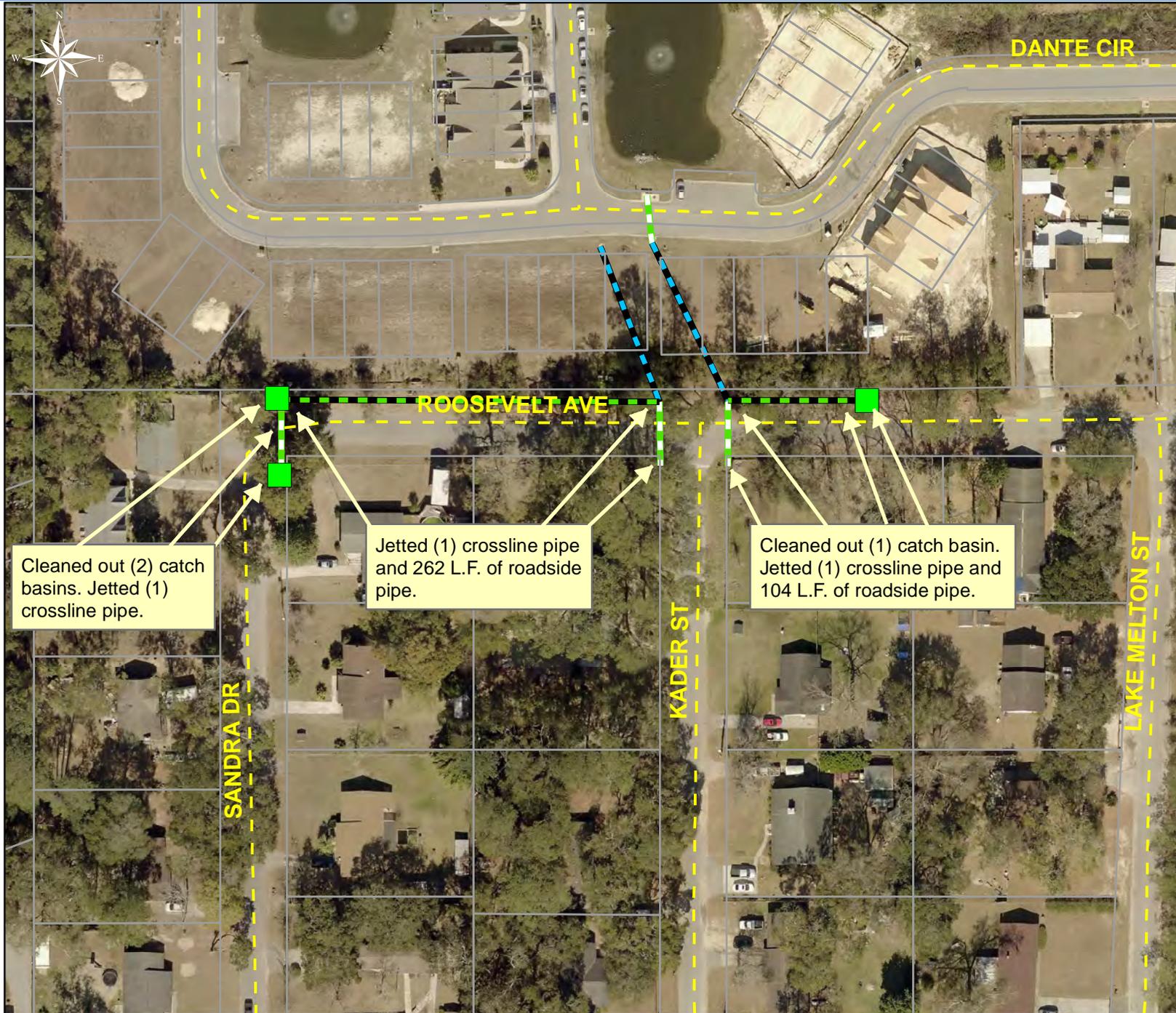
| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- John Davis Court Map #9\_2020-306



Project: Port Royal Island Vacuum Truck - Roosevelt Avenue Map #10

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Roosevelt Avenue Map #10\_2020-306



Project: Port Royal Island Vacuum Truck - Donaldson Camp Road Map #11

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

0 20 40 80 120 160 Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Donaldson Camp Road Map #11\_2020-306



Project: Port Royal Island Vacuum Truck - Salt Creek Drive E Map #12

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |

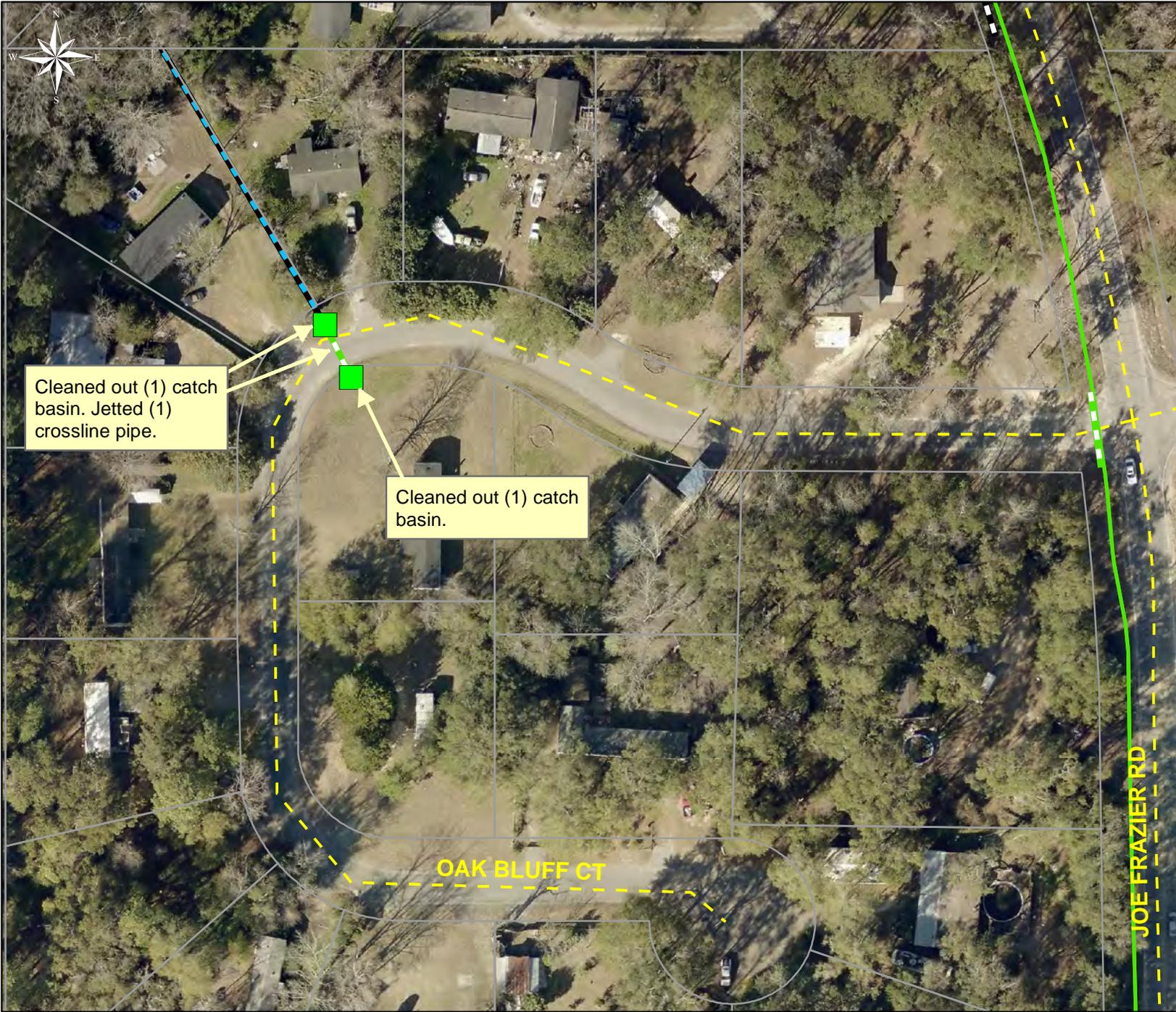


1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Salt Creek Drive E Map #12\_2020-306



Project: Port Royal Island Vacuum Truck - Oak Bluff Court Map #13

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

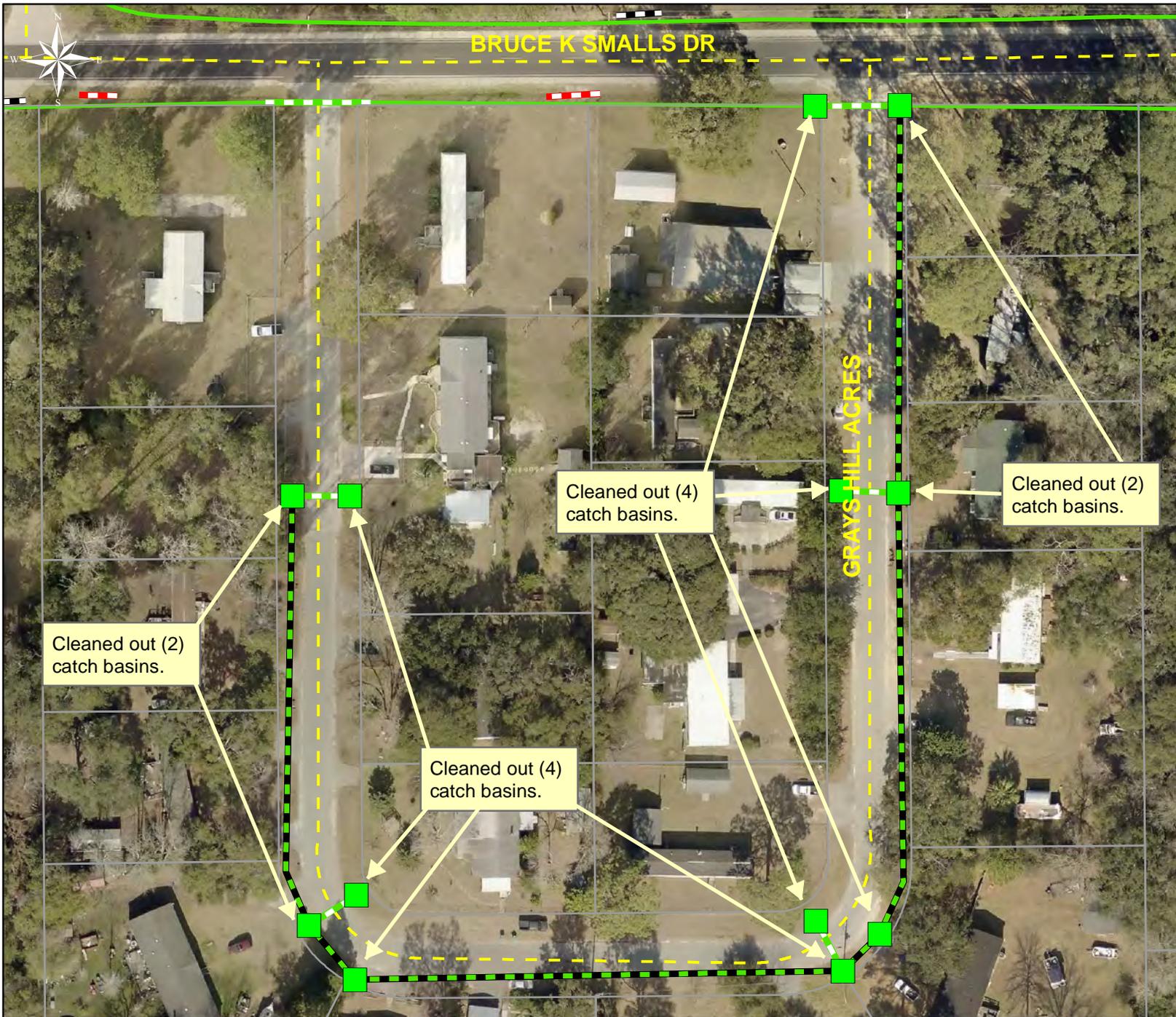
Cleaned out (1) catch basin. Jetted (1) crossline pipe.

Cleaned out (1) catch basin.

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 83 feet



Project: Port Royal Island Vacuum Truck - Grays Hill Acres Map #14

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend               |                |
|----------------------|----------------|
| <b>Drainage Type</b> |                |
|                      | Access Pipe    |
|                      | Bleeder Pipe   |
|                      | Channel Pipe   |
|                      | Channel        |
|                      | Stream         |
|                      | Crossline Pipe |
|                      | Driveway Pipe  |
|                      | Lateral        |
|                      | Lateral Pipe   |
|                      | River          |
|                      | Road Pipe      |
|                      | Roadside       |
|                      | Roadside Pipe  |

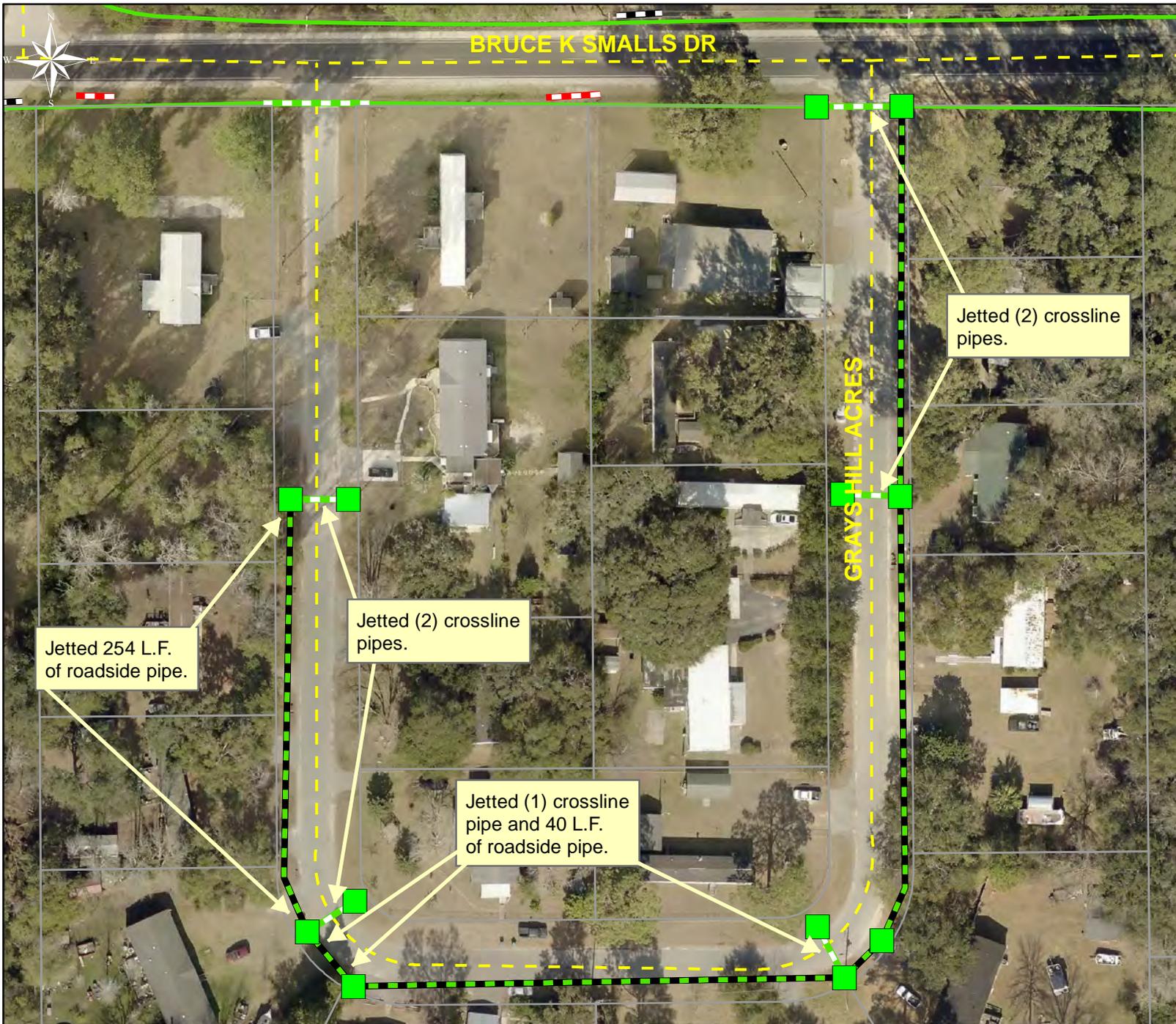


1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Grays Hill Acres Map #14\_2020-306



Project: Port Royal Island Vacuum Truck - Grays Hill Acres Map #15

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend               |                |
|----------------------|----------------|
| <b>Drainage Type</b> |                |
|                      | Access Pipe    |
|                      | Bleeder Pipe   |
|                      | Channel Pipe   |
|                      | Channel        |
|                      | Stream         |
|                      | Crossline Pipe |
|                      | Driveway Pipe  |
|                      | Lateral        |
|                      | Lateral Pipe   |
|                      | River          |
|                      | Road Pipe      |
|                      | Roadside       |
|                      | Roadside Pipe  |

0 20 40 80 120 160 Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Grays Hill Acres Map #15\_2020-306

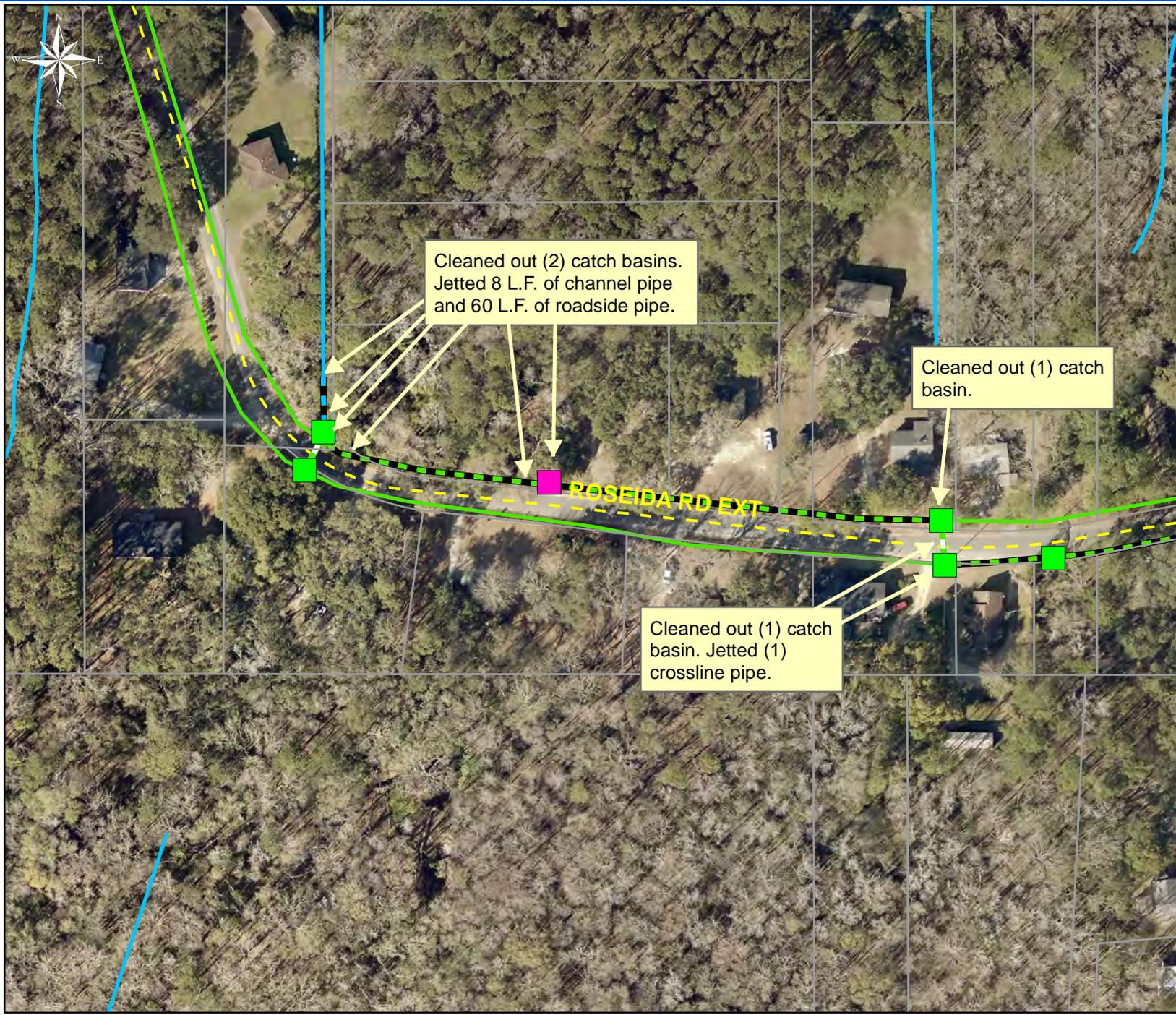
Project: Port Royal Island Vacuum Truck - Roseida Road Ext Map #16

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019



Cleared out (2) catch basins. Jetted 8 L.F. of channel pipe and 60 L.F. of roadside pipe.

Cleared out (1) catch basin.

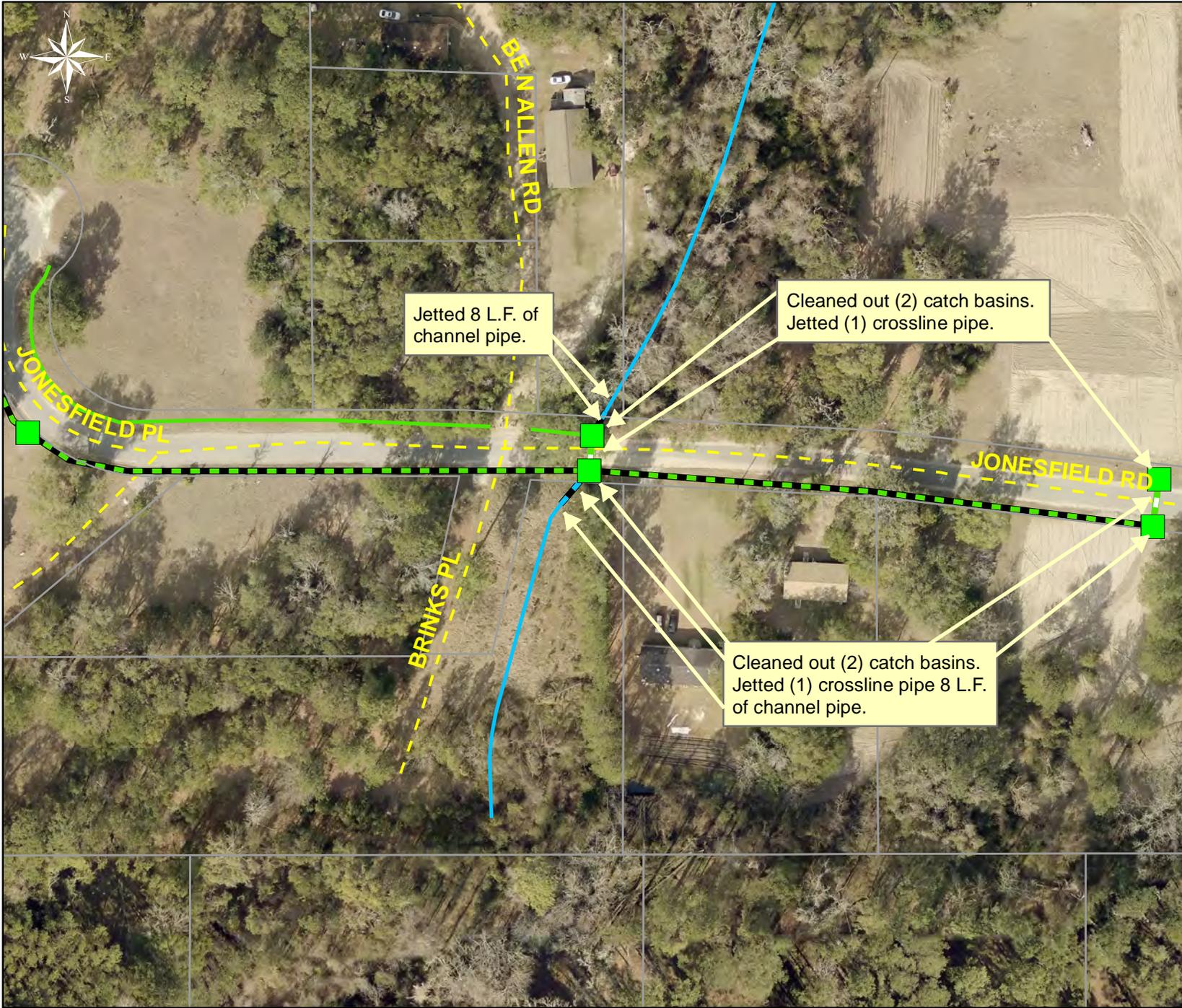
Cleared out (1) catch basin. Jetted (1) crossline pipe.

| Legend |                |
|--------|----------------|
|        | Access Pipe    |
|        | Bleeder Pipe   |
|        | Channel Pipe   |
|        | Channel        |
|        | Stream         |
|        | Crossline Pipe |
|        | Driveway Pipe  |
|        | Lateral        |
|        | Lateral Pipe   |
|        | River          |
|        | Road Pipe      |
|        | Roadside       |
|        | Roadside Pipe  |

0 30 60 120 180 240 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility  
 Date Print:01/27/20  
 File:C:\project summaries map\PRI Vacuum Truck- Roseida Road Ext Map #16\_2020-306



Jetted 8 L.F. of channel pipe.

Cleaned out (2) catch basins. Jetted (1) crossline pipe.

Cleaned out (2) catch basins. Jetted (1) crossline pipe 8 L.F. of channel pipe.

Project: Port Royal Island Vacuum Truck - Jonesfield Road & Jonesfield Place Map #17

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Jonesfield Road & Jonesfield Place Map #17\_2020-306



Project: Port Royal Island Vacuum Truck - Josephine Drive Map #18

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

0 25 50 100 150 200 Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/27/20

File: C:\project summaries map\PRI Vacuum Truck- Josephine Drive Map #18\_2020-306



Project: Port Royal Island Vacuum Truck - Moultrie Circle Map #19

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print:01/30/18

File:C:\project summaries map\PRI Vacuum Truck- Moultrie Circle Map #19\_2020-306

Project: Port Royal Island Vacuum Truck - Smalls Hill Road Map #20

Activity: Routine/ Preventive Maintenance

Project #: 2020-306

Township/SW Dist: Port Royal Island/6 & 9

Completed: December 2019



**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe



1 inch = 83 feet



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Peaches Hill Circle

**Activity:** Routine/Preventive Maintenance

**Duration:** 08/08/19-12/31/19

**Narrative Description of Project:**

Project improved 1,567 L.F. of drainage system. Removed blockages from flowline. Cleaned out 1,237 L.F. of roadside ditch and 330 L.F. of channel. Upsized (1) access pipe. Installed straw mat and hydroseeded for erosion control.

| 2019-551A / Peaches Hill Circle           | Labor Hours  | Labor Cost        | Equipment Cost    | Material Cost     | Contractor Cost | Indirect Labor    | Total Cost         |
|---|--------------|-------------------|-------------------|-------------------|-----------------|-------------------|--------------------|
| APREM / Access pipe - removed             | 30.0         | \$621.60          | \$63.98           | \$88.34           | \$0.00          | \$259.50          | \$1033.42          |
| APUP / Access pipe - upsized              | 40.0         | \$814.70          | \$206.08          | \$806.40          | \$0.00          | \$386.70          | \$2213.88          |
| AUDIT / Audit Project                     | 1.0          | \$21.79           | \$0.00            | \$0.00            | \$0.00          | \$0.00            | \$21.79            |
| CCO / Channel - cleaned out               | 30.0         | \$843.50          | \$143.35          | \$37.81           | \$0.00          | \$388.80          | \$1,413.46         |
| HAUL / Hauling                            | 66.5         | \$1496.80         | \$941.64          | \$1022.92         | \$0.00          | \$641.69          | \$4103.05          |
| HYDR / Hydroseeding                       | 18.0         | \$371.88          | \$47.92           | \$853.21          | \$0.00          | \$232.02          | \$1,505.03         |
| RB / Remove blockage from flowline        | 20.0         | \$528.85          | \$39.47           | \$24.10           | \$0.00          | \$133.35          | \$725.77           |
| RSDCL / Roadside Ditch - Cleanout         | 92.0         | \$2,425.81        | \$340.44          | \$133.66          | \$0.00          | \$613.41          | \$3,513.32         |
| UTLOC / Utility locates                   | 0.5          | \$10.90           | \$0.00            | \$0.00            | \$0.00          | \$0.00            | \$10.90            |
| 2019-551A / Peaches Hill Circle Sub Total | 298.0        | \$7,135.82        | \$1,782.88        | \$2,966.45        | \$0.00          | \$2,655.47        | \$14,540.62        |
| <b>Grand Total</b>                        | <b>298.0</b> | <b>\$7,135.82</b> | <b>\$1,782.88</b> | <b>\$2,966.45</b> | <b>\$0.00</b>   | <b>\$2,655.47</b> | <b>\$14,540.62</b> |

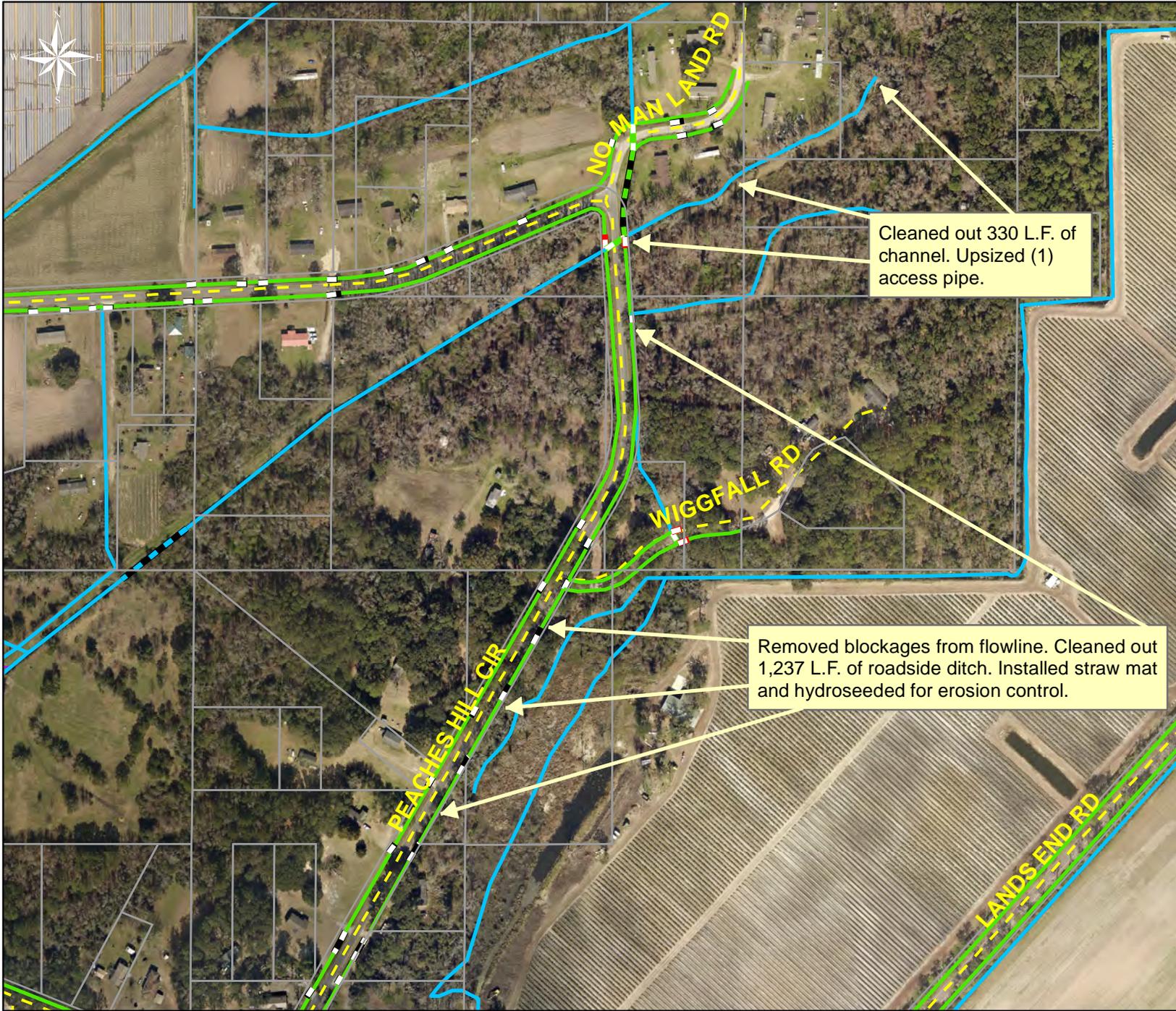
**Before**

**During**

**After**

**(Picture Not Available)**





Project: Peaches Hill Circle

Activity: Routine/ Preventive Maintenance

Project #: 2019-551A

Township/SW Dist: St. Helena Island/8

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 330 feet



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
Project Summary

**Project Summary:** Bluffton Vacuum Truck

Oscar Frazier Park, Thomas Lawton Drive, Pin Oak Street,  
Buckwater Parkway, Parkside Drive, Bluffton Flyover, Alljoy  
Road, Sailors Choice, Mullet Street, Trout Street, Foreman Hill  
Road, Tillman Street, Bass Street

**Activity:** Routine/Preventive Maintenance

**Duration:** 07/09/19-12/19/19

**Narrative Description of Project:**

Project improved 461 L.F. of drainage system. Cleaned out (24) catch basins, 40 L.F. of valley drain and 103 L.F. of trough. Jetted (2) driveway pipes, (12) crossline pipes, 120 L.F. of roadside pipe and 198 L.F. of channel pipe.

**2020-310 / Bluffton Vacuum Truck**

|  | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|--|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                      | 1.5                    | \$32.69               | \$0.00                    | \$0.00                   |                            | \$0.00                    | \$32.69               |
| CBCO / Catch basin - clean out             | 148.0                  | \$3,293.74            | \$2,575.28                | \$667.88                 | \$0.00                     | \$2,000.22                | \$8,537.12            |
| CLPJT / Crossline Pipe - Jetted            | 14.0                   | \$320.32              | \$268.24                  | \$84.30                  | \$0.00                     | \$207.90                  | \$880.76              |
| CPJ / Channel Pipe - Jetted                | 54.0                   | \$1,203.12            | \$678.96                  | \$206.32                 | \$0.00                     | \$774.36                  | \$2,862.76            |
| SPSWI / Special Project - SWI              | 10.0                   | \$222.80              | \$191.60                  | \$36.96                  | \$0.00                     | \$143.40                  | \$594.76              |
| 2020-310 / Bluffton Vacuum Truck Sub Total | 227.5                  | \$5,072.67            | \$3,714.08                | \$995.46                 | \$0.00                     | \$3,125.88                | \$12,908.09           |
| <b>Grand Total</b>                         | <b>227.5</b>           | <b>\$5,072.67</b>     | <b>\$3,714.08</b>         | <b>\$995.46</b>          | <b>\$0.00</b>              | <b>\$3,125.88</b>         | <b>\$12,908.09</b>    |

**(No Pictures Available)**



Project: Bluffton Vacuum Truck- Oscar Frazier Park Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2020-310

Township/SW Dist: Bluffton/4

Completed: December 2019

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

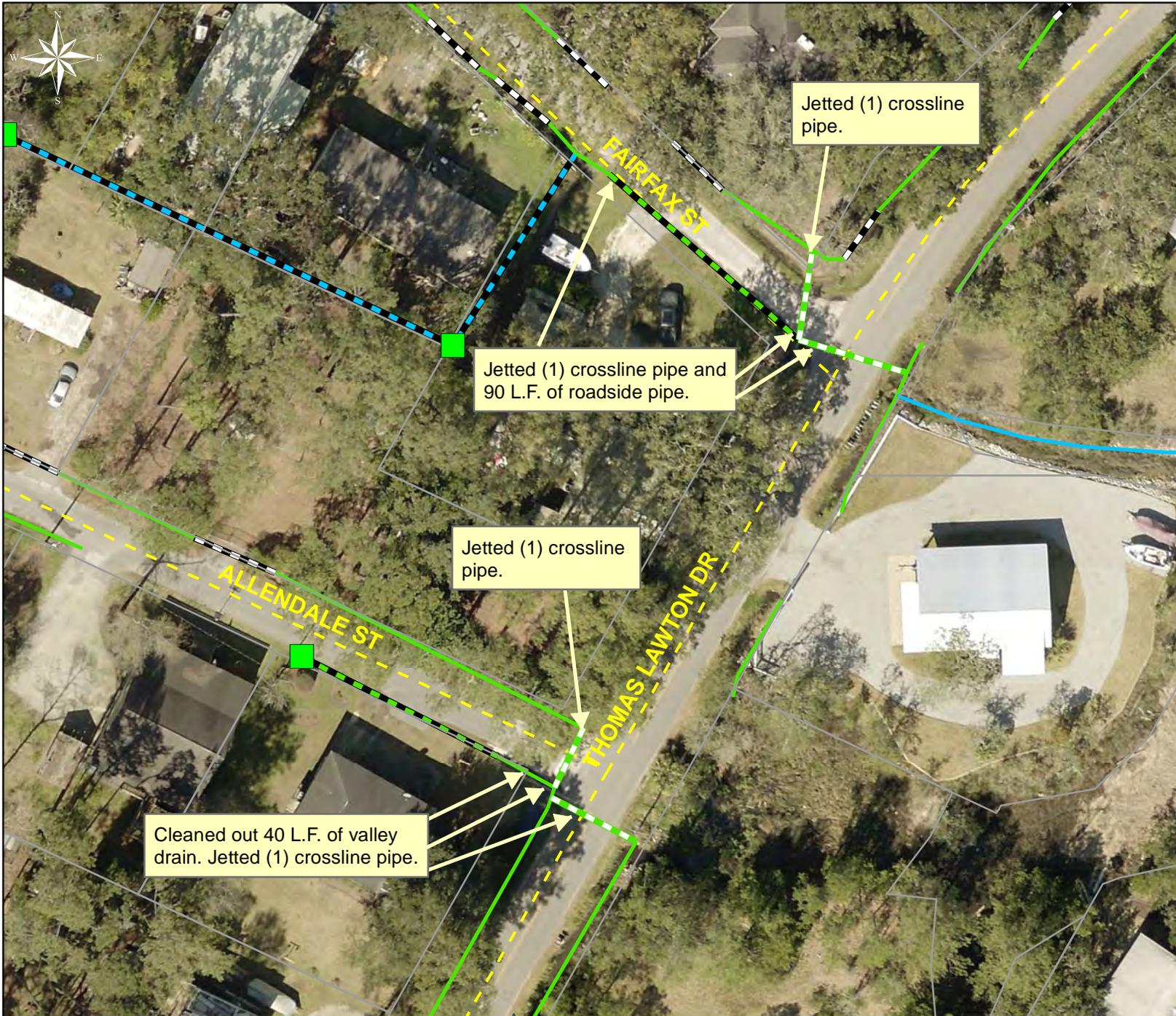


1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/22/20

File: C:\project summaries map\Bluffton Vac Truck- Oscar Frazier Park Map #1\_2020-310



Project: Bluffton Vacuum Truck-Thomas Lawton Drive Map #2

Activity: Routine/Preventive Maintenance

Project #: 2020-310

Township/SW Dist: Bluffton/4

Completed: December 2019

**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe

Prepared By: BC Stormwater Management Utility  
Date Print: 01/22/20

File: C:\project summaries map\Bluffton VacTruck- Thomas Lawton Dr Map #2\_2020-310



Project: Bluffton Vacuum Truck- Pin Oak Street Map #3

Activity: Routine/ Preventive Maintenance

Project #: 2020-310

Township/SW Dist: Bluffton/4

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 210 feet

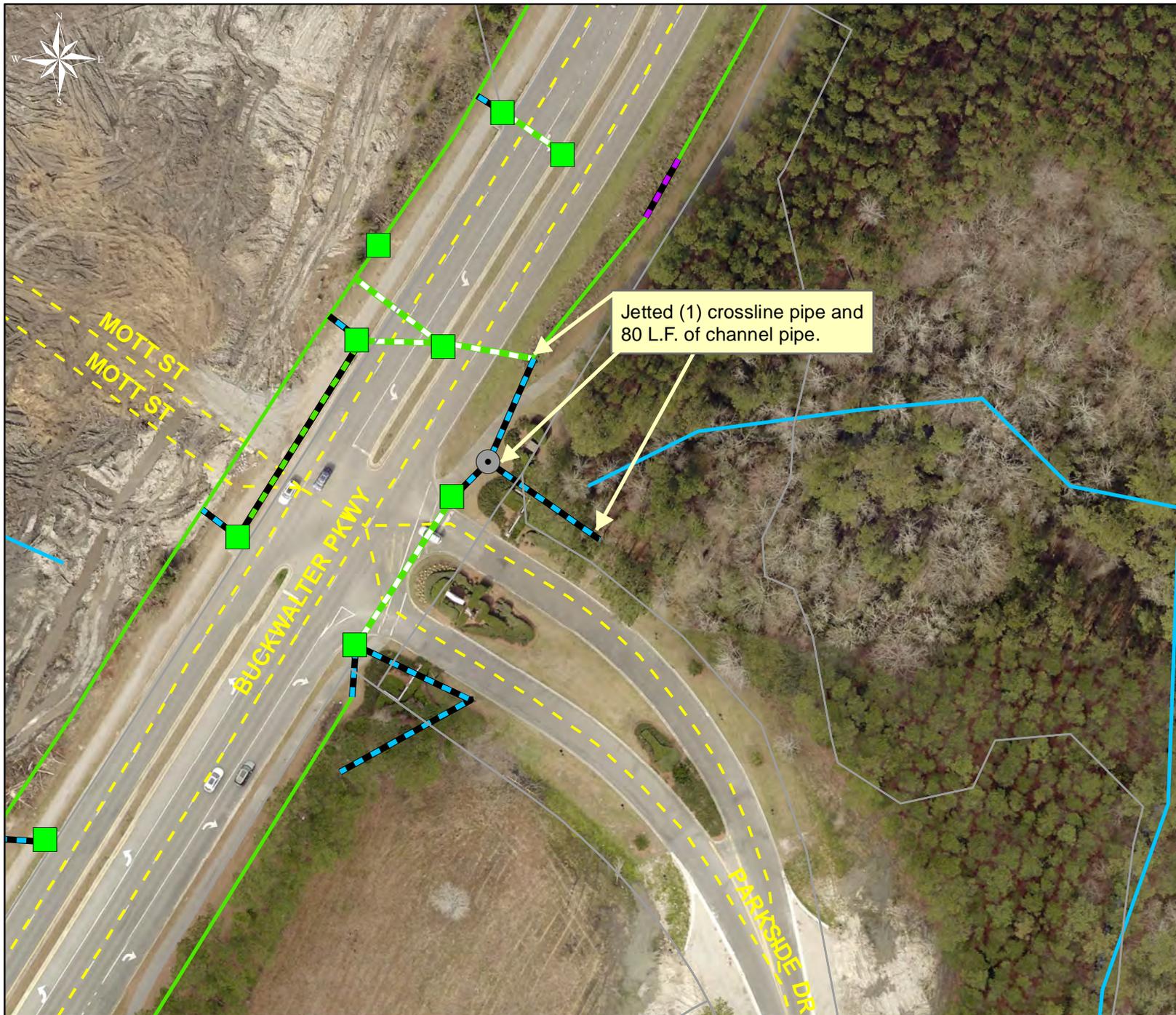
Project: Bluffton Vacuum Truck-  
Buckwalter Parkway and  
Parkside Drive  
Map #4

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-310

Township/SW Dist:  
Bluffton/4

Completed:  
December 2019



| Legend |                |
|--------|----------------|
|        | Access Pipe    |
|        | Bleeder Pipe   |
|        | Channel Pipe   |
|        | Channel        |
|        | Stream         |
|        | Crossline Pipe |
|        | Driveway Pipe  |
|        | Lateral        |
|        | Lateral Pipe   |
|        | River          |
|        | Road Pipe      |
|        | Roadside       |
|        | Roadside Pipe  |

Prepared By: BC Stormwater Management Utility  
Date Print:01/22/20  
File:C:\project summaries map\Bluffton VacTruck- Bukwalter Pkwy and Parkside Dr.Map #4\_2020-310

0 20 40 80 120 160 Feet

1 inch = 83 feet



Project: Bluffton Vacuum Truck- Bluffton Flyover Map #5

Activity: Routine/ Preventive Maintenance

Project #: 2020-310

Township/SW Dist: Bluffton/4

Completed: December 2019

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 30 60 120 180 240 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 01/22/20

File: C:\project summaries map\Bluffton VacTruck- Bluffton Flyover Map #5\_2020-310

Project: Bluffton Vacuum Truck-Alljoy Road Map #6

Activity: Routine/ Preventive Maintenance

Project #: 2020-310

Township/SW Dist: Bluffton/4

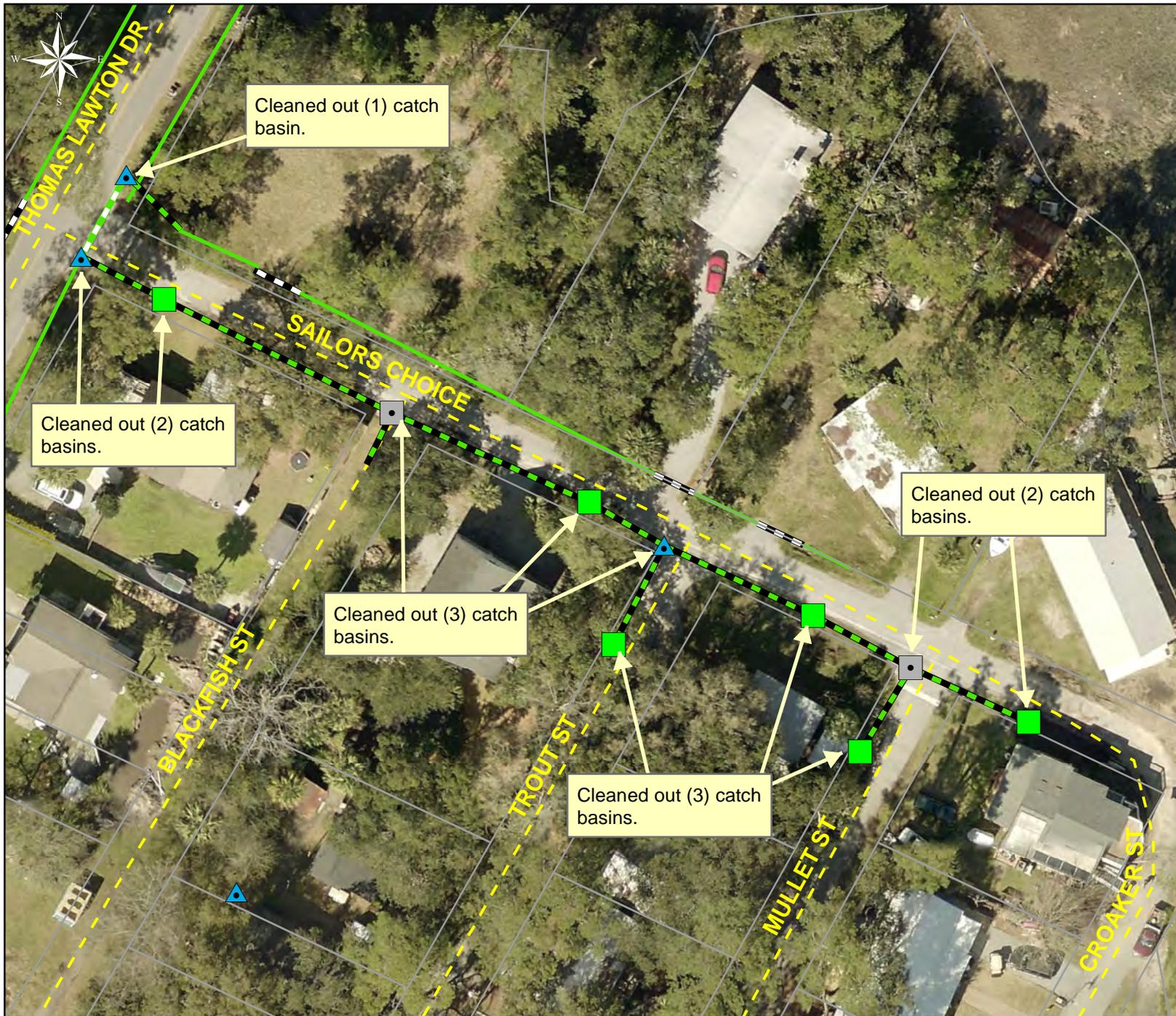
Completed: December 2019



| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 67 feet



Project: Bluffton Vacuum Truck-Sailors Choice, Mullet Street and Trout Street Map #7

Activity: Routine/ Preventive Maintenance

Project #: 2020-310

Township/SW Dist: Bluffton/4

Completed: December 2019

**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe



1 inch = 50 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/22/20

File: C:\project summaries map\Bluffton VacTruck- Sailors Choice, Mullet St. and Trout St Map #7\_2020-310



Project: Bluffton Vacuum Truck-Foreman Hill Road Map #8

Activity: Routine/Preventive Maintenance

Project #: 2020-310

Township/SW Dist: Bluffton/4

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |

0 25 50 100 150 200 Feet **1 inch = 100 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 01/22/20

File: C:\project summaries map\Bluffton VacTruck- Foreman Hill Rd Map #8\_2020-310



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Sheldon Vacuum Truck  
 Prescott Road

**Activity:** Routine/Preventive Maintenance  
**Duration:** 07/08/19-11/21/19

**Narrative Description of Project:**

Project improved 50 L.F. of drainage system. Cleaned out 42 L.F. of valley drain and (4) catch basins. Jetted 8 L.F. of channel pipe.

**2020-308 / Sheldon Vacuum Truck**

|   | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|---|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                     | 1.0                    | \$21.79               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$21.79               |
| CBCO / Catch basin - clean out            | 6.0                    | \$133.68              | \$114.96                  | \$35.10                  | \$0.00                     | \$86.04                   | \$369.78              |
| COVD / Cleaned Out Valley Drains          | 10.0                   | \$247.00              | \$209.60                  | \$75.00                  | \$0.00                     | \$164.70                  | \$696.30              |
| PP / Project Preparation                  | 4.0                    | \$89.12               | \$76.64                   | \$11.50                  | \$0.00                     | \$57.36                   | \$234.62              |
| 2020-308 / Sheldon Vacuum Truck Sub Total | 21.0                   | \$491.59              | \$401.20                  | \$121.60                 | \$0.00                     | \$308.10                  | \$1,322.49            |
| <b>Grand Total</b>                        | <b>21.0</b>            | <b>\$491.59</b>       | <b>\$401.20</b>           | <b>\$121.60</b>          | <b>\$0.00</b>              | <b>\$308.10</b>           | <b>\$1,322.49</b>     |

**(Before)**



**(During)**

**(No Picture Available)**

**(After)**





Project: Sheldon Vacuum Truck- Prescott Road Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2020-308

Township/SW Dist: Sheldon/5

Completed: November 2019

**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/14/20

File: C:\project summaries map\Sheldon Vac Truck- Prescott Road Map #1\_2020-308



Project: Sheldon  
Vacuum Truck-  
Prescott Road  
Map #2

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-308

Township/SW Dist:  
Sheldon/5

Completed:  
November 2019

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 50 100 200 300 400  
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print:01/14/20

File:C:\project summaries map/Sheldon Vac Truck- Prescott Road Map #2\_2020-308



## MEMORANDUM

Date: May 13, 2020

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

This report will cover five minor projects. The Project Summary Reports are attached.

### **Minor or Routine Projects:**

- **St. Helena Island Bush Hog – St. Helena Island (SWUD 8):** This project improved 108,945 feet of drainage system. The scope of work included bush hogging 102,632 feet of channel and 6,313 feet of roadside ditch. The total cost was **\$60,263.68**.
- **Bay Pines Drive – Hilton Head Island (SWUD 3):** This project improved 987 feet of drainage system. The scope of work included cleaning out 759 feet of roadside ditch, jetting 10 driveway pipes, 228 feet of roadside pipe and hydroseeding for erosion control. The total cost was **\$11,746.91**.
- **St. Helena Island Vacuum Truck – St. Helena Island (SWUD 8):** This project improved 304 feet of drainage system. The scope of work included cleaning out 11 catch basins, jetting 1 driveway pipe, 1 access pipe, 208 feet of channel pipe and 96 feet of roadside pipe. The total cost was **\$2,792.34**.
- **Old Salem Road – Port Royal Island (SWUD 9):** This project improved 689 feet of drainage system. The scope of work included cleaning out 689 feet of roadside ditch. The total cost was **\$2,412.68**.
- **Cedar Crest Circle – Lady's Island (SWUD 7):** This project improved 150 feet of drainage system. The scope of work included cleaning out 150 feet of roadside ditch. The total cost was **\$1,792.99**.



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** St. Helena Island Bush Hog

**Activity:** Routine/Preventive Maintenance

**Duration:** 07/01/19-12/11/19

**Narrative Description of Project:**

First Rotation: 07/01/19-12/11/19 Project improved 108,945 L.F. of drainage system. Bush hogged 102,632 L.F. of channel and 6,313 of roadside ditch. This project consisted of the following areas: Scott Hill Road (5,222 L.F.), Peaches Hill Circle (13,230 L.F.), No Man Land (1,105 L.F.), Wiggfall Road (1,304 L.F.), Adam Church (242 L.F.), Toomer Road (4,055 L.F.), Tombee Road (988 L.F.), Archer Fields Lane (2,163 L.F.), Halifax Drive (7,980 L.F.), Kelis Lane (5,121 L.F.), Ann Fripp (4,564 L.F.), White Sands Circle (5,548 L.F.), Shiney Road (834 L.F.), Luther Warren Drive (767 L.F.), Ladson Road (1,550 L.F.), Tropicana Road (1,008 L.F.), Seaside Road (1,125 L.F.), Folly Road (2,515 L.F.), Simmons Road (2,433 L.F.), John Fripp Circle (843 L.F.), Nathan Pope Road (5,395 L.F.), Major Road (2,354 L.F.), Langford Road (4,102 L.F.), Cee Cee Road (1,707 L.F.), Warsaw Island Road (4,447 L.F.), Shed Road (2,135 L.F.), Patchwork Lane (856 L.F.), Olde Church Road (2,100 L.F.), JB Lane (1,557 L.F.), Gardner Drive (478 L.F.), Dulamo Road (269 L.F.), Hickory Hill Road (1,751 L.F.), James Grant Road (748 L.F.), Mattis Drive (1,691 L.F.), Bible Camp Road (3,723 L.F.), St. Helena Drop Off Center (1,927 L.F.), Sea Island Parkway (1,772 L.F.), Polowana Road (3,426 L.F.), Ball Park Road (1,809 L.F.), Penn Center Road (1,828 L.F.), Ernest Drive (803 L.F.) and Queen Road (1,470 L.F.).

**2020-300 / St. Helena Island Bush Hog**

|   | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|---|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                           | 2.5                    | \$54.48               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$54.48               |
| CBH / Channel- bushhogged                       | 1,178.0                | \$25,810.23           | \$13,687.81               | \$2,750.18               | \$0.00                     | \$16,401.42               | \$58,649.64           |
| HAUL / Hauling                                  | 13.0                   | \$298.87              | \$519.60                  | \$133.98                 | \$0.00                     | \$0.00                    | \$952.45              |
| RDBH / Roadside ditch - bushhogged              | 12.0                   | \$267.42              | \$126.63                  | \$40.99                  | \$0.00                     | \$172.08                  | \$607.12              |
| 2020-300 / St. Helena Island Bush Hog Sub Total | 1,205.5                | \$26,431.00           | \$14,334.04               | \$2,925.15               | \$0.00                     | \$16,573.50               | \$60,263.68           |
| <b>Grand Total</b>                              | <b>1,205.5</b>         | <b>\$26,431.00</b>    | <b>\$14,334.04</b>        | <b>\$2,925.15</b>        | <b>\$0.00</b>              | <b>\$16,573.50</b>        | <b>\$60,263.68</b>    |

**Before**



**During**



**After**





**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Bay Pines Drive

**Activity:** Routine/Preventive Maintenance

**Duration:** 01/14/20-02/28/20

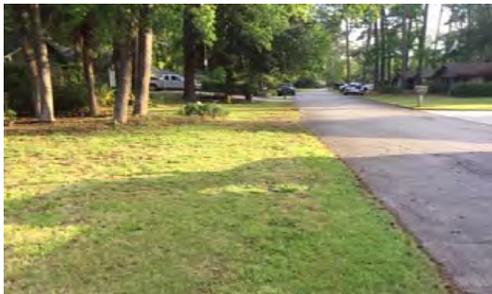
**Narrative Description of Project:**

Project improved 987 L.F. of drainage system. Cleaned out 759 L.F. of roadside ditch. Jetted 10 driveway pipes and 228 L.F. of roadside pipe. Hydroseeded for erosion control.

**2020-019A / Bay Pines Drive**

|                                       | <b>Labor Hours</b> | <b>Labor Cost</b> | <b>Equipment Cost</b> | <b>Material Cost</b> | <b>Contractor Cost</b> | <b>Indirect Labor</b> | <b>Total Cost</b>  |
|---------------------------------------|--------------------|-------------------|-----------------------|----------------------|------------------------|-----------------------|--------------------|
| AUDIT / Audit Project                 | 2.0                | \$43.58           | \$0.00                | \$0.00               | \$0.00                 | \$0.00                | \$43.58            |
| DLO / Ditch Layout                    | 24.0               | \$500.40          | \$23.34               | \$29.97              | \$0.00                 | \$158.76              | \$712.47           |
| DPJT / Driveway Pipe - Jetted         | 22.0               | \$490.16          | \$421.52              | \$105.70             | \$0.00                 | \$315.48              | \$1,332.86         |
| HAUL / Hauling                        | 35.0               | \$791.60          | \$495.60              | \$151.23             | \$0.00                 | \$514.95              | \$1,953.38         |
| HYDR / Hydroseeding                   | 16.0               | \$334.88          | \$51.53               | \$849.99             | \$0.00                 | \$0.00                | \$1,236.40         |
| LP / Locate Pipe                      | 40.0               | \$834.00          | \$38.90               | \$21.30              | \$0.00                 | \$264.60              | \$1,158.80         |
| RSDCL / Roadside Ditch - Cleanout     | 136.0              | \$2,842.44        | \$505.03              | \$137.76             | \$0.00                 | \$830.43              | \$4,315.66         |
| RSPJ / Roadside Pipe - Jetted         | 14.0               | \$311.92          | \$268.24              | \$61.12              | \$0.00                 | \$200.76              | \$842.04           |
| UC / Utility Coordination             | 2.0                | \$49.40           | \$0.00                | \$0.00               | \$0.00                 | \$26.46               | \$75.86            |
| UTLOC / Utility locates               | 2.0                | \$49.40           | \$0.00                | \$0.00               | \$0.00                 | \$26.46               | \$75.86            |
| 2020-019A / Bay Pines Drive Sub Total | 293.0              | \$6,247.78        | \$1,804.16            | \$1,357.07           | \$0.00                 | \$2,337.90            | \$11,746.91        |
| <b>Grand Total</b>                    | <b>293.0</b>       | <b>\$6,247.78</b> | <b>\$1,804.16</b>     | <b>\$1,357.07</b>    | <b>\$0.00</b>          | <b>\$2,337.90</b>     | <b>\$11,746.91</b> |

**Before**



**During**



**After**



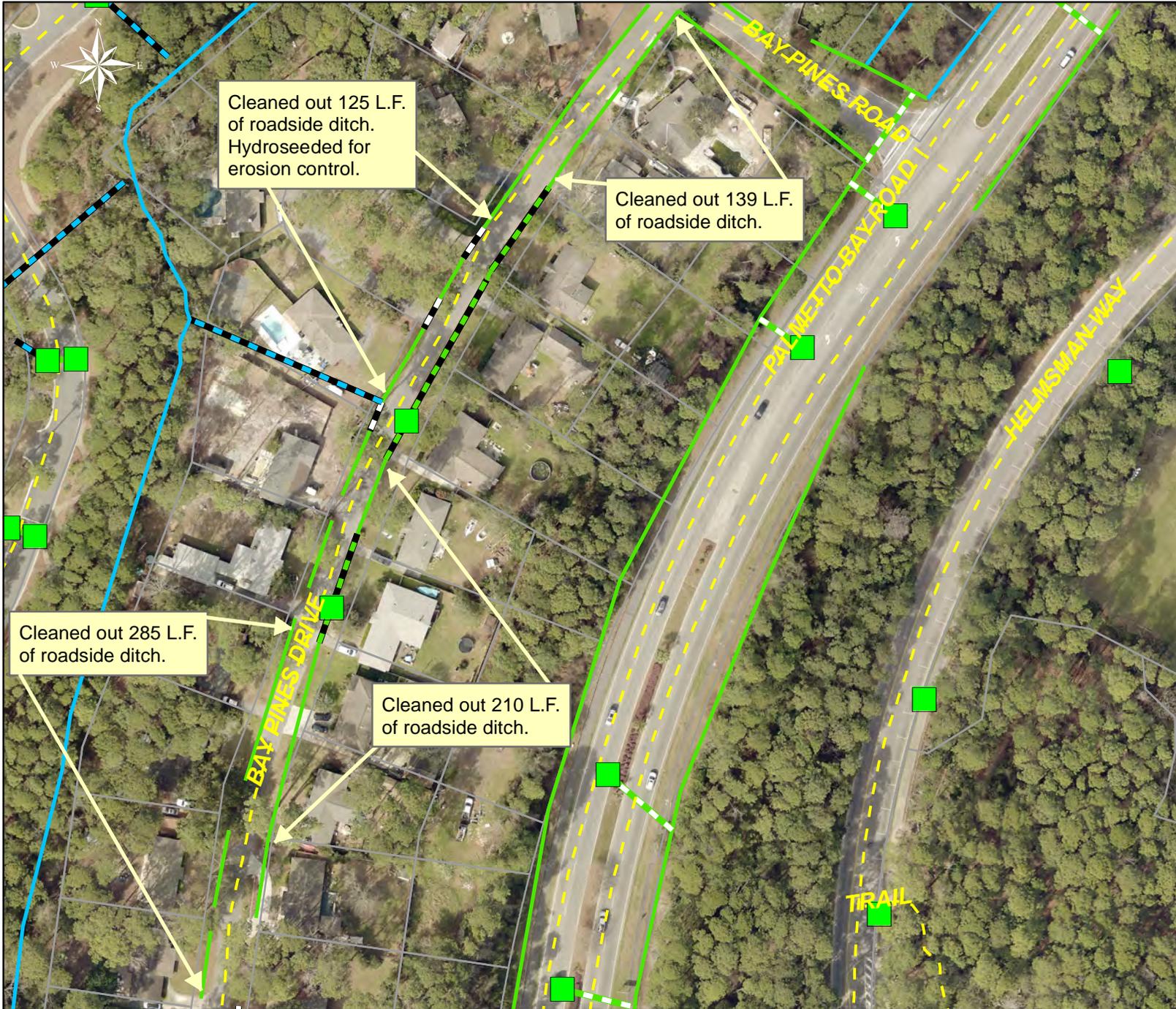
Project: Bay Pines Drive Map #1

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-019A

Township/SW Dist:  
Hilton Head Island/  
3

Completed:  
February 2020



Cleaned out 125 L.F.  
of roadside ditch.  
Hydroseeded for  
erosion control.

Cleaned out 139 L.F.  
of roadside ditch.

Cleaned out 285 L.F.  
of roadside ditch.

Cleaned out 210 L.F.  
of roadside ditch.

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/30/20

File: C:\project summaries map\Bay Pines Drive Map #1\_2020-019A

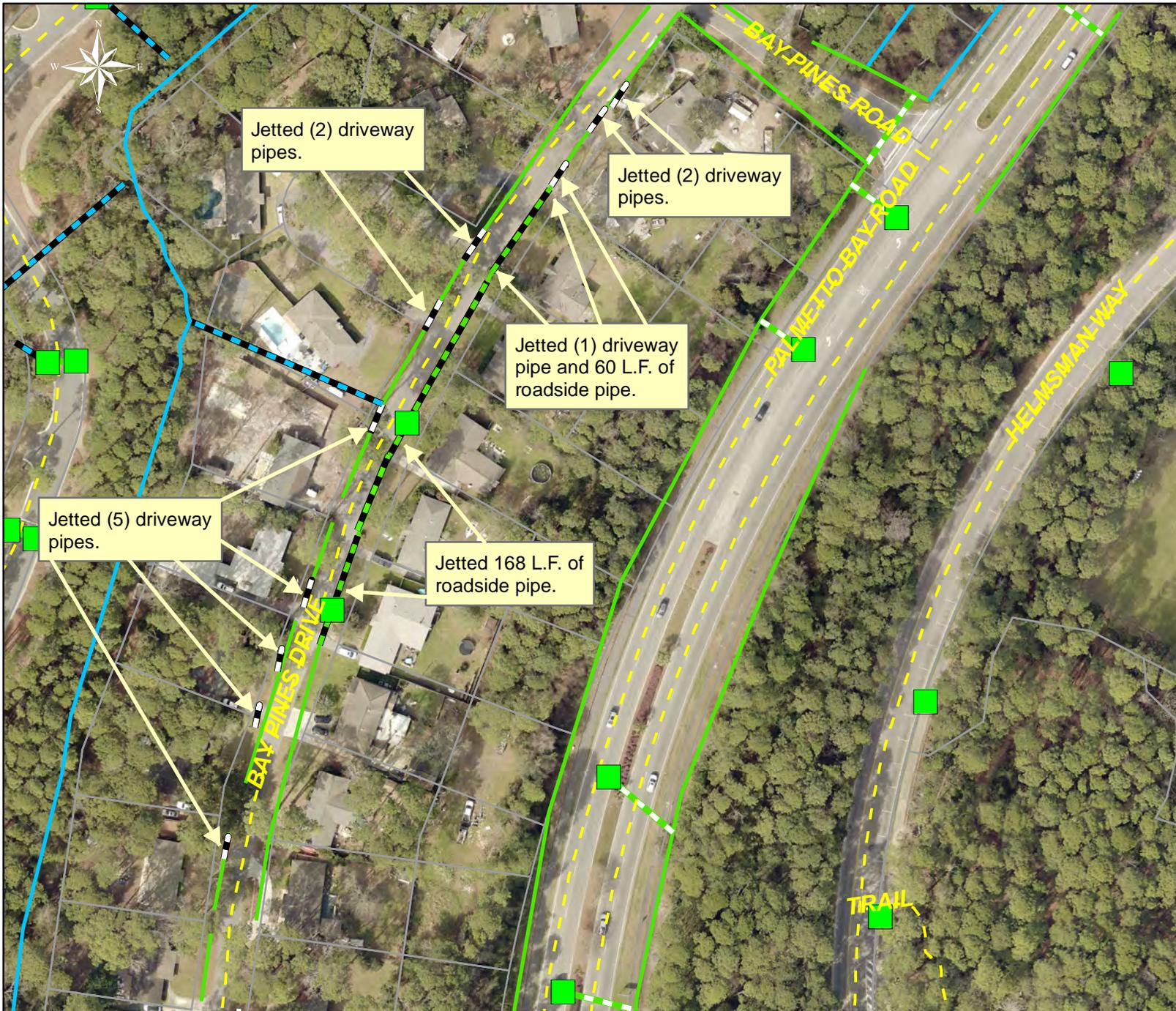
Project: Bay Pines Drive Map #2

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-019A

Township/SW Dist:  
Hilton Head Island/  
3

Completed:  
February 2020



**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



**1 inch = 130 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 03/30/20

File: C:\project summaries map\Bay Pines Drive Map #2\_2020-019A



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
 Project Summary

**Project Summary:** St. Helena Island Vacuum Truck

Peaches Hill Circle, Lands End Road, Tombee Road, Levant Byas Road, Luther Warren Drive, Cusabo Road, No Man Land Road

**Activity:** Routine/Preventive Maintenance

**Duration:** 09/10/18-12/05/19

**Narrative Description of Project:**

Project improved 304 L.F. of drainage system. Cleaned out (11) catch basin. Jetted (1) driveway pipe, (1) access pipe, 208 L.F. of channel pipe and 96 L.F. of roadside pipe.

**2020-309 / St. Helena Vacuum Truck**

|  | <b>Labor Hours</b> | <b>Labor Cost</b> | <b>Equipment Cost</b> | <b>Material Cost</b> | <b>Contractor Cost</b> | <b>Indirect Labor</b> | <b>Total Cost</b> |
|--|--------------------|-------------------|-----------------------|----------------------|------------------------|-----------------------|-------------------|
| AUDIT / Audit Project                        | 1.5                | \$32.69           | \$0.00                | \$0.00               | \$0.00                 | \$0.00                | \$32.69           |
| CBCO / Catch basin - clean out               | 20.0               | \$445.60          | \$383.20              | \$79.68              | \$0.00                 | \$286.80              | \$1,195.28        |
| CPJ / Channel Pipe - Jetted                  | 10.0               | \$222.80          | \$191.60              | \$33.48              | \$0.00                 | \$143.40              | \$591.28          |
| DPJT / Driveway Pipe - Jetted                | 6.0                | \$133.68          | \$114.96              | \$38.46              | \$0.00                 | \$86.04               | \$373.14          |
| RSPJ / Roadside Pipe - Jetted                | 10.0               | \$222.80          | \$191.60              | \$42.15              | \$0.00                 | \$143.40              | \$599.95          |
| 2020-309 / St. Helena Vacuum Truck Sub Total | 47.5               | \$1,057.57        | \$881.36              | \$193.77             | \$0.00                 | \$659.64              | \$2,792.34        |
| <b>Grand Total</b>                           | <b>47.5</b>        | <b>\$1,057.57</b> | <b>\$881.36</b>       | <b>\$193.77</b>      | <b>\$0.00</b>          | <b>\$659.64</b>       | <b>\$2,792.34</b> |

**Before**

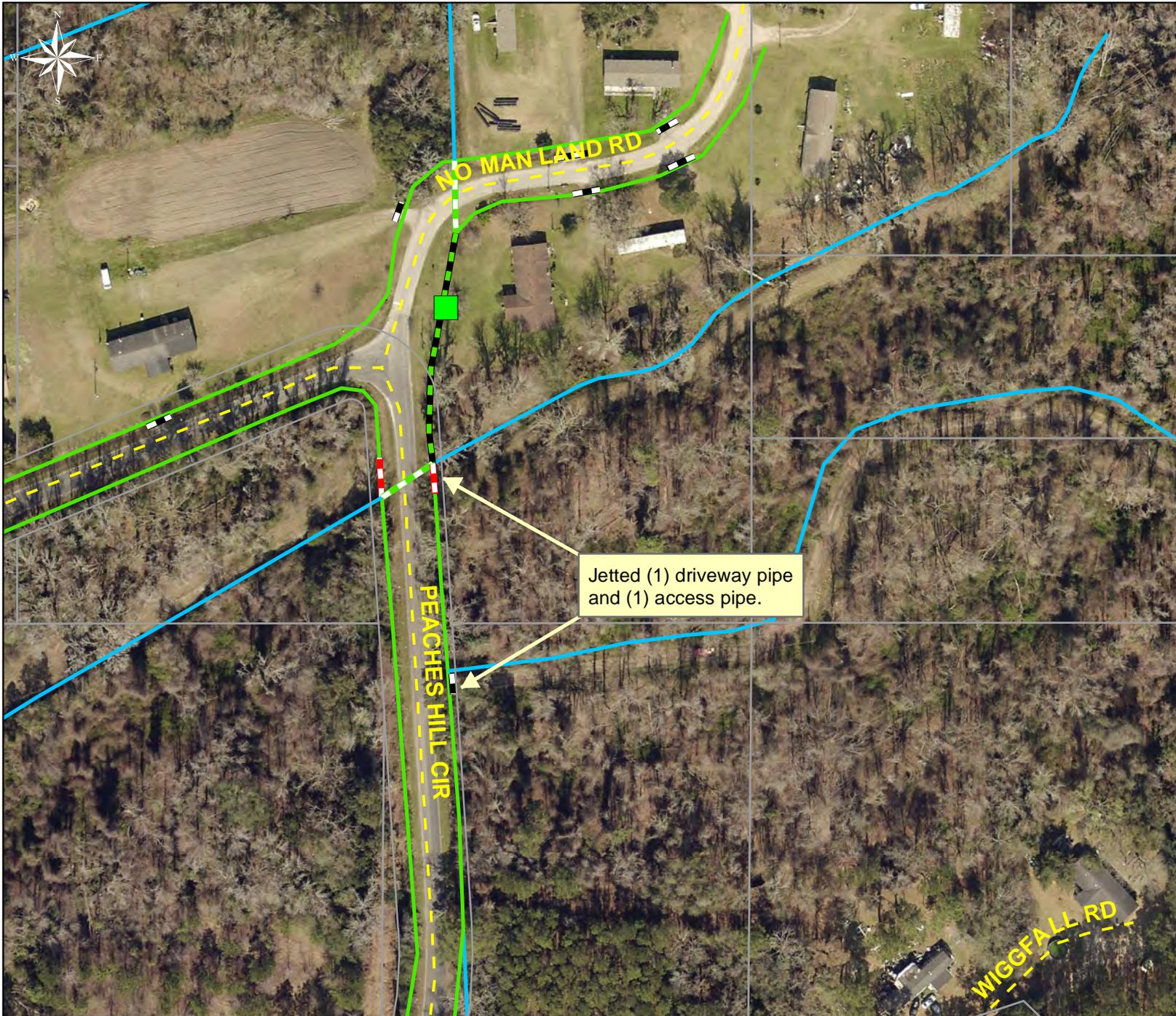


**During**



**After**





Project: St. Helena  
Island Vacuum  
Truck- Peaches  
Hill Circle  
Map #1

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-309

Township/SW Dist:  
St. Helena Island/8

Completed:  
December 2019

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print:01/15/20

File:C:\project summaries map/SHI Vac Truck- Peaches Hill Circle Map #1\_2020-309



Project: St. Helena Island Vacuum Truck- Lands End Road Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2020-309

Township/SW Dist: St. Helena Island/8

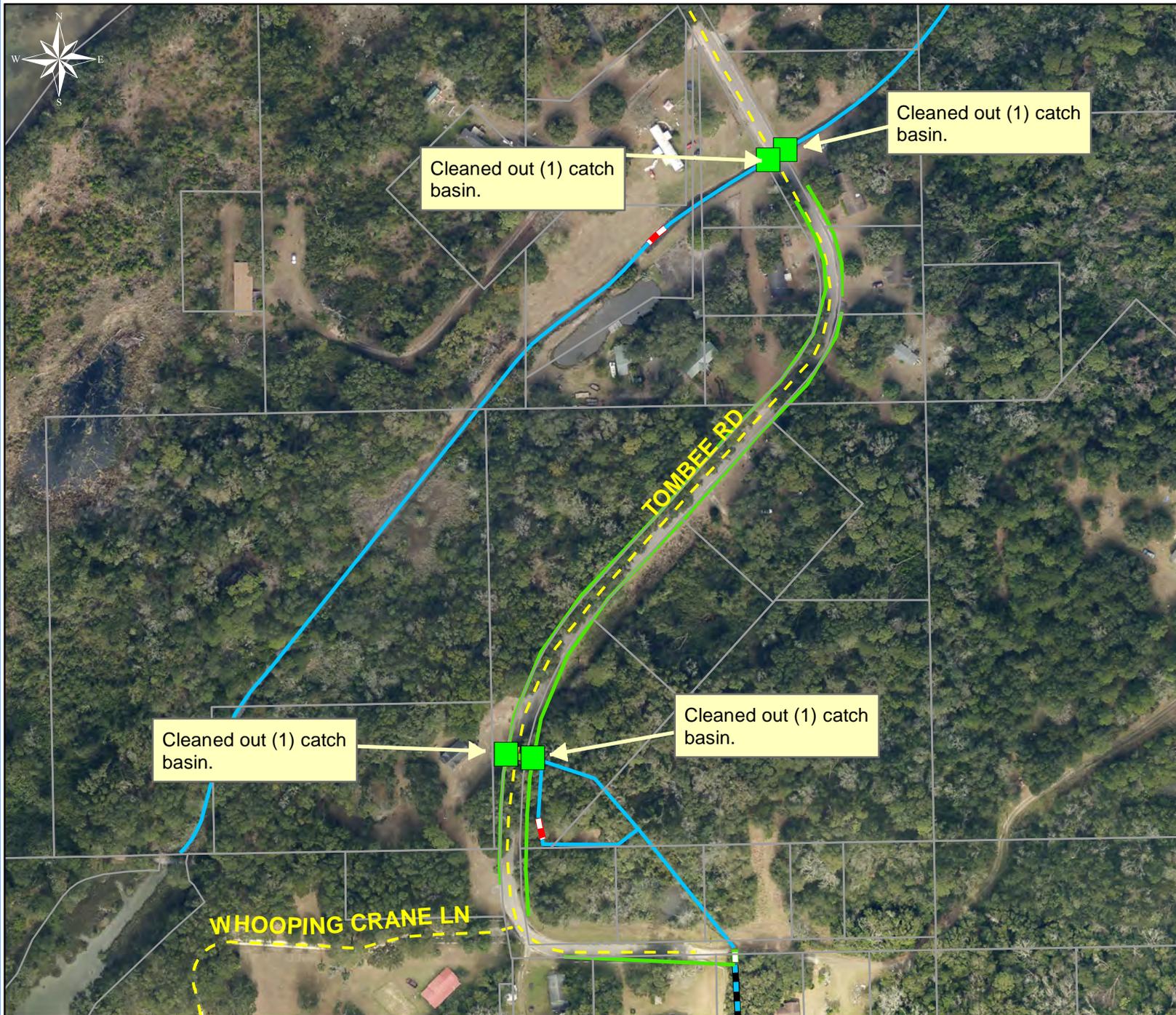
Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility  
 Date Print: 01/15/20  
 File: C:\project summaries map\SHI Vac Truck- Lands End Road Map #2\_2020-309



Project: St. Helena  
 Island Vacuum  
 Truck- Tombee  
 Road  
 Map #3

Activity: Routine/  
 Preventive  
 Maintenance

Project #:  
 2020-309

Township/SW Dist:  
 St. Helena Island/8

Completed:  
 December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 210 feet

Project: St. Helena  
Island Vacuum  
Truck- Levant  
Byas Road  
Map #4

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-309

Township/SW Dist:  
St. Helena Island/8

Completed:  
December 2019



| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 01/15/20  
File: C:\project summaries map\SHI Vac Truck- Levant Byas Road Map #4\_2020-309



Project: St. Helena  
Island Vacuum  
Truck- Luther  
Warren Drive  
Map #5

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-309

Township/SW Dist:  
St. Helena Island/8

Completed:  
December 2019

**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe



**1 inch = 210 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 01/15/20

File: C:\project summaries map\SHI Vac Truck- Luther Warren Drive Map #5\_2020-309



Project: St. Helena Island Vacuum Truck- Cusabo Road Map #6

Activity: Routine/ Preventive Maintenance

Project #: 2020-309

Township/SW Dist: St. Helena Island/8

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 130 feet



Project: St. Helena Island Vacuum Truck- No Man Land Road Map #7

Activity: Routine/ Preventive Maintenance

Project #: 2020-309

Township/SW Dist: St. Helena Island/8

Completed: December 2019

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/15/20

File: C:\project summaries map\SHI Vac Truck- No Man Land Road Map #7\_2020-309



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Old Salem Road

**Activity:** Routine/Preventive Maintenance

**Duration:** 01/15/20

**Narrative Description of Project:**

Project improved 689 L.F. of drainage system. Cleaned out 689 L.F. of roadside ditch.

| <b>2020-026 / Old Salem Road</b>    | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Cost</b> | <b>Total<br/>Cost</b> |
|-------------------------------------|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|--------------------------|-----------------------|
| <b>AUDIT / Audit Project</b>        | 0.5                    | \$10.90               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                   | \$10.90               |
| HAUL / Hauling                      | 15.0                   | \$341.25              | \$212.40                  | \$46.40                  | \$0.00                     | \$72.10                  | \$672.15              |
| RSDCL / Roadside Ditch - Cleanout   | 50.0                   | \$1,013.30            | \$125.93                  | \$81.60                  | \$0.00                     | \$508.80                 | \$1,729.63            |
| 2020-026 / Old Salem Road Sub Total | 65.5                   | \$1,365.45            | \$338.33                  | \$128.00                 | \$0.00                     | \$580.90                 | \$2,412.68            |
| <b>Grand Total</b>                  | <b>65.5</b>            | <b>\$1,365.45</b>     | <b>\$338.33</b>           | <b>\$128.00</b>          | <b>\$0.00</b>              | <b>\$580.90</b>          | <b>\$2,412.68</b>     |

**(No Pictures Available)**

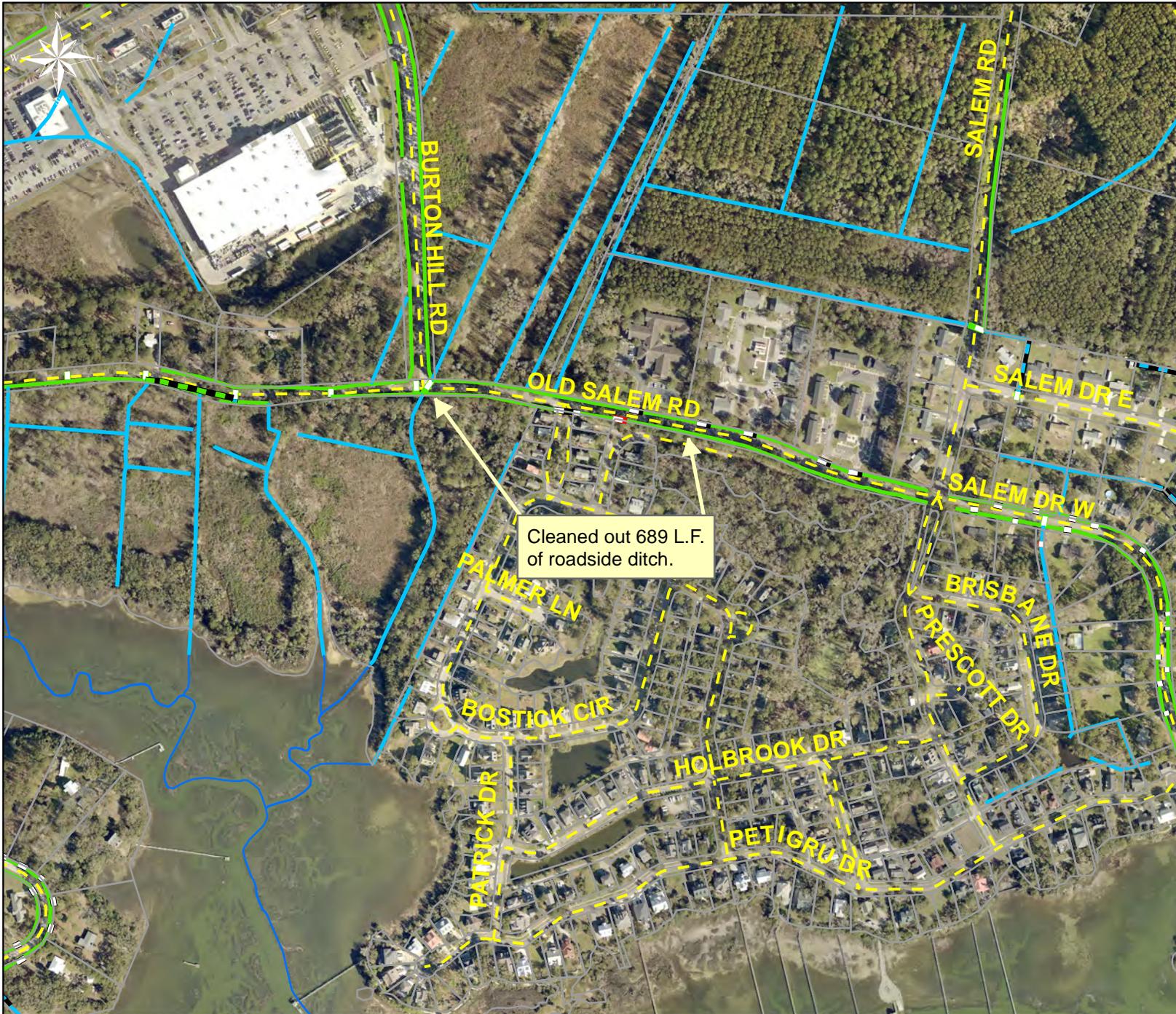
Project: Old Salem Road

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-026

Township/SW Dist:  
Port Royal Island/9

Completed:  
January 2020



Cleared out 689 L.F.  
of roadside ditch.

### Legend

#### Drainage Type

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 120240 480 720 960  
Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 02/11/20  
File: C:\project summaries map\Old Salem Road\_2020-026



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Cedar Crest Circle

**Activity:** Routine/Preventive Maintenance

**Duration:** 02/27/20-03/10/20

**Narrative Description of Project:**

Project improved 150 L.F. of drainage system. Cleaned out 150 L.F. of roadside ditch.

| <b>2020-032 / Cedar Crest Circle</b>    | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|---|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                   | 1.0                    | \$21.79               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$21.79               |
| HAUL / Hauling                          | 10.0                   | \$222.70              | \$141.60                  | \$52.00                  | \$0.00                     | \$144.20                  | \$560.50              |
| RSDCL / Roadside Ditch - Cleanout       | 32.0                   | \$658.17              | \$77.95                   | \$31.73                  | \$0.00                     | \$348.03                  | \$1,115.88            |
| UTLOC / Utility locates                 | 2.5                    | \$61.75               | \$0.00                    | \$0.00                   | \$0.00                     | \$33.08                   | \$94.83               |
| 2020-032 / Cedar Crest Circle Sub Total | 45.5                   | \$964.41              | \$219.55                  | \$83.73                  | \$0.00                     | \$525.30                  | \$1,792.99            |
| <b>Grand Total</b>                      | <b>45.5</b>            | <b>\$964.41</b>       | <b>\$219.55</b>           | <b>\$83.73</b>           | <b>\$0.00</b>              | <b>\$525.30</b>           | <b>\$1,792.99</b>     |

**(No Pictures Available)**



Project: Cedar Crest Circle

Activity: Routine/ Preventive Maintenance

Project #: 2020-032

Township/SW Dist: Lady's Island/7

Completed: March 2020

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 04/23/20

File: C:\project summaries map\Cedar Crest Circle\_2020-032



## MEMORANDUM

Date: June 10, 2020

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

This report will cover one major project and two minor projects. The Project Summary Reports are attached.

### **Minor or Routine Projects:**

- **Pinewood Circle – Port Royal Island (SWUD 6):** This project improved 540 feet of drainage system. The scope of work included removing trees from workshelf and repairing 540 feet of workshelf. The total cost was **\$24,046.01**.
- **Powell Drive Channel – Port Royal Island (SWUD 6):** This project improved 1,530 feet of drainage system. The scope of work included cleaning out 1,139 feet of channel, 391 feet of roadside ditch and hydroseeding for erosion control. The total cost was **\$7,822.02**.
- **Player Road and Oakhurst Road – St. Helena Island (SWUD 8):** This project improved 316 feet of drainage system. The scope of work included cleaning out 316 feet of roadside ditch and replacing 1 crossline pipe. The total cost was **\$3,996.76**.



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Pinewood Circle

**Activity:** Routine/Preventive Maintenance

**Duration:** 02/27/20-03/12/20

**Narrative Description of Project:**

Project improved 540 L.F. of drainage system. Removed trees from workshelf. Repaired 540 L.F. of workshelf.

**2020-033 / Pinewood Circle**

|                                      | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|--------------------------------------|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                | 1.0                    | \$21.79               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$21.79               |
| DEBREM / Debris Removal - Jobsite    | 40.0                   | \$824.10              | \$324.75                  | \$94.00                  | \$0.00                     | \$132.30                  | \$1,375.15            |
| HAUL / Hauling                       | 105.0                  | \$2,489.78            | \$1,394.00                | \$3,313.11               | \$0.00                     | \$144.20                  | \$7,341.09            |
| NONPRO / Non-Professional Services   | 0.0                    | \$0.00                | \$0.00                    | \$0.00                   | \$5,100.00                 | \$0.00                    | \$5,100.00            |
| RMTRW / Remove trees - Workshelf     | 184.0                  | \$3,891.46            | \$1,272.02                | \$186.90                 | \$0.00                     | \$1,288.02                | \$6,638.39            |
| STBY / Stand By                      | 4.0                    | \$91.96               | \$56.64                   | \$12.00                  | \$0.00                     | \$0.00                    | \$160.60              |
| WSDR / Workshelf - Dressed           | 36.0                   | \$769.05              | \$46.68                   | \$15.03                  | \$0.00                     | \$257.58                  | \$1,088.34            |
| WSREP / Workshelf - Repair           | 50.0                   | \$1,069.10            | \$641.42                  | \$191.03                 | \$0.00                     | \$419.10                  | \$2,320.65            |
| 2020-033 / Pinewood Circle Sub Total | 420.0                  | \$9,157.24            | \$3,735.51                | \$3,812.06               | \$5,100.00                 | \$2,241.20                | \$24,046.01           |
| <b>Grand Total</b>                   | <b>420.0</b>           | <b>\$9,157.24</b>     | <b>\$3,735.51</b>         | <b>\$3,812.06</b>        | <b>\$5,100.00</b>          | <b>\$2,241.20</b>         | <b>\$24,046.01</b>    |

**(No Pictures Available)**



Project: Pinewood Circle

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-033

Township/SW Dist:  
Port Royal Island/6

Completed:  
March 2020

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe

0 75 150 300 450 600  
Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility  
Date Print:05/12/20  
File:C:\project summaries map\Pinewood Circle\_2020-033



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
Project Summary

**Project Summary:** Powell Drive Channel

**Activity:** Routine/Preventive Maintenance

**Duration:** 01/30/20-03/02/20

**Narrative Description of Project:**

Project improved 1,530 L.F. of drainage system. Cleaned out 1,139 L.F. of channel and 391 L.F. of roadside ditch. Hydroseeded for erosion control.

| <b>2020-028 / Powell Drive Channel</b>    | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|---|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                     | 1.5                    | \$32.69               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$32.69               |
| CCO / Channel - cleaned out               | 26.0                   | \$531.86              | \$124.78                  | \$16.00                  | \$0.00                     | \$211.68                  | \$884.32              |
| HAUL / Hauling                            | 37.0                   | \$839.83              | \$523.92                  | \$70.20                  | \$0.00                     | \$216.30                  | \$1,650.25            |
| HYDR / Hydroseeding                       | 20.0                   | \$412.05              | \$39.86                   | \$1,159.93               | \$0.00                     | \$66.15                   | \$1,677.99            |
| RSDCL / Roadside Ditch - Cleanout         | 110.0                  | \$2,281.50            | \$566.22                  | \$124.00                 | \$0.00                     | \$529.20                  | \$3,500.92            |
| UTLOC / Utility locates                   | 2.0                    | \$49.40               | \$0.00                    | \$0.00                   | \$0.00                     | \$26.46                   | \$75.86               |
| 2020-028 / Powell Drive Channel Sub Total | 196.5                  | \$4,147.33            | \$1,254.78                | \$1,370.13               | \$0.00                     | \$1,049.79                | \$7,822.02            |
| <b>Grand Total</b>                        | <b>196.5</b>           | <b>\$4,147.33</b>     | <b>\$1,254.78</b>         | <b>\$1,370.13</b>        | <b>\$0.00</b>              | <b>\$1,049.79</b>         | <b>\$7,822.02</b>     |

**(No Pictures Available)**



Project: Powell Drive Channel

Activity: Routine/ Preventive Maintenance

Project #: 2020-028

Township/SW Dist: Port Royal Island/6

Completed: March 2020

| Legend               |                |
|----------------------|----------------|
| <b>Drainage Type</b> |                |
|                      | Access Pipe    |
|                      | Bleeder Pipe   |
|                      | Channel Pipe   |
|                      | Channel        |
|                      | Stream         |
|                      | Crossline Pipe |
|                      | Driveway Pipe  |
|                      | Lateral        |
|                      | Lateral Pipe   |
|                      | River          |
|                      | Road Pipe      |
|                      | Roadside       |
|                      | Roadside Pipe  |



1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 04/23/20

File: C:\project summaries map\Powell Drive Channel\_2020-028



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Player Road and Oakhurst Road

**Activity:** Routine/Preventive Maintenance

**Duration:** 01/30/20-03/16/20

**Narrative Description of Project:**

Project improved 316 L.F. of drainage system. Cleaned out 316 L.F. of roadside ditch. Replaced (1) crossline pipe.

| <b>2020-031 / Player Road</b>     | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|-----------------------------------|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project             | 1.0                    | \$21.79               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$21.79               |
| CPRPL / Crossline Pipe - Replaced | 42.0                   | \$895.76              | \$225.14                  | \$212.48                 | \$0.00                     | \$385.98                  | \$1719.36             |
| HAUL / Hauling                    | 26.0                   | \$596.59              | \$368.16                  | \$1123.93                | \$0.00                     | \$72.10                   | \$2160.78             |
| UC / Utility Coordination         | 1.0                    | \$24.70               | \$0.00                    | \$0.00                   | \$0.00                     | \$13.23                   | \$37.93               |
| UTLOC / Utility locates           | 1.5                    | \$37.05               | \$0.00                    | \$0.00                   | \$0.00                     | \$19.85                   | \$56.90               |
| 2020-031 / Player Road Sub Total  | 71.5                   | \$1,575.89            | \$593.30                  | \$1336.42                | \$0.00                     | \$491.16                  | \$3,996.76            |
| <b>Grand Total</b>                | <b>71.5</b>            | <b>\$1,575.89</b>     | <b>\$593.30</b>           | <b>\$1336.42</b>         | <b>\$0.00</b>              | <b>\$491.16</b>           | <b>\$3,996.76</b>     |

**(No Pictures Available)**

Project: Player Road and Oakhurst Road

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-031

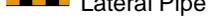
Township/SW Dist:  
Port Royal Island/6

Completed:  
March 2020



**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print:04/23/20

File:C:\project summaries map/Player Road and Oakhurst Road\_2020-031



## MEMORANDUM

Date: July 08, 2020

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

This report will cover three minor projects. The Project Summary Reports are attached.

### **Minor or Routine Projects:**

- **Fair Road and Riley Road – Port Royal Island (SWUD 6):** This project improved 1,411 feet of drainage system. The scope of work included cleaning out 791 feet of channel, 620 feet of roadside ditch, jetting 1 crossline pipe, 4 driveway pipes, installing rip rap and hydroseeding for erosion control. The total cost was **\$10,331.96.**
- **Albertha Fields Circle Channel – Sheldon (SWUD 5):** This project improved 3,165 feet of drainage system. The scope of work included cleaning out 3,165 feet of channel, and installing 4 bleeder pipes. The total cost was **\$5,697.70.**
- **No Man Land Road Channel – St. Helena Island (SWUD 8):** This project improved 244 feet of drainage system. The scope of work included cleaning out 244 feet of channel. The total cost was **\$941.70.**



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Fair Road and Riley Road

**Activity:** Routine/Preventive Maintenance

**Duration:** 03/18/20-04/16/20

**Narrative Description of Project:**

Project improved 1,411 L.F. of drainage system. Cleaned out 791 L.F. of channel and 620 L.F. of roadside ditch. Jetted (1) crossline pipe and (4) driveway pipes. Installed rip rap and hydroseeded for erosion control.

| <b>2020-037 / Fair Road and Riley Road</b>           | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|--|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                                | 1.0                    | \$21.79               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$21.79               |
| CCO / Channel - cleaned out                          | 68.0                   | \$1,405.80            | \$302.30                  | \$41.25                  | \$0.00                     | \$439.62                  | \$2,188.97            |
| DPJT / Driveway Pipe - Jetted                        | 10.0                   | \$230.60              | \$43.40                   | \$24.80                  | \$0.00                     | \$61.05                   | \$359.85              |
| HAUL / Hauling                                       | 74.0                   | \$1,690.97            | \$1,047.84                | \$92.57                  | \$0.00                     | \$533.54                  | \$3,364.92            |
| HYDR / Hydroseeding                                  | 54.0                   | \$1,105.39            | \$120.26                  | \$552.46                 | \$0.00                     | \$349.05                  | \$2,127.16            |
| RSDCL / Roadside Ditch - Cleanout                    | 60.0                   | \$1,254.20            | \$421.32                  | \$47.03                  | \$0.00                     | \$508.80                  | \$2,231.35            |
| UTLOC / Utility locates                              | 1.0                    | \$24.70               | \$0.00                    | \$0.00                   | \$0.00                     | \$13.23                   | \$37.93               |
| <b>2020-037 / Fair Road and Riley Road Sub Total</b> | <b>268.0</b>           | <b>\$5,733.45</b>     | <b>\$1,935.12</b>         | <b>\$758.10</b>          | <b>\$0.00</b>              | <b>\$1,905.29</b>         | <b>\$10,331.96</b>    |
| <b>Grand Total</b>                                   | <b>268.0</b>           | <b>\$5,733.45</b>     | <b>\$1,935.12</b>         | <b>\$758.10</b>          | <b>\$0.00</b>              | <b>\$1,905.29</b>         | <b>\$10,331.96</b>    |

**(No Picture Available)**

Project: Fair Road and Riley Road

Activity: Routine/  
Preventive  
Maintenance

Project #:  
2020-037

Township/SW Dist:  
Port Royal Island/6

Completed:  
April 2020



Cleaned out 285 L.F. of roadside ditch. Jetted (2) driveway pipes and (1) crossline pipe. Installed rip rap and hydroseeded for erosion control.

Cleaned out 335 L.F. of roadside ditch. Jetted (2) driveway pipes.

Cleaned out 791 L.F. of channel.

| Legend        |                |
|---------------|----------------|
| Drainage Type |                |
|               | Access Pipe    |
|               | Bleeder Pipe   |
|               | Channel Pipe   |
|               | Channel        |
|               | Stream         |
|               | Crossline Pipe |
|               | Driveway Pipe  |
|               | Lateral        |
|               | Lateral Pipe   |
|               | River          |
|               | Road Pipe      |
|               | Roadside       |
|               | Roadside Pipe  |



1 inch = 170 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 05/26/20  
File: C:\project summaries map\Fair Road and Riley Road\_2020-037



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** Albertha Fields Circle Channel

**Activity:** Routine/Preventive Maintenance

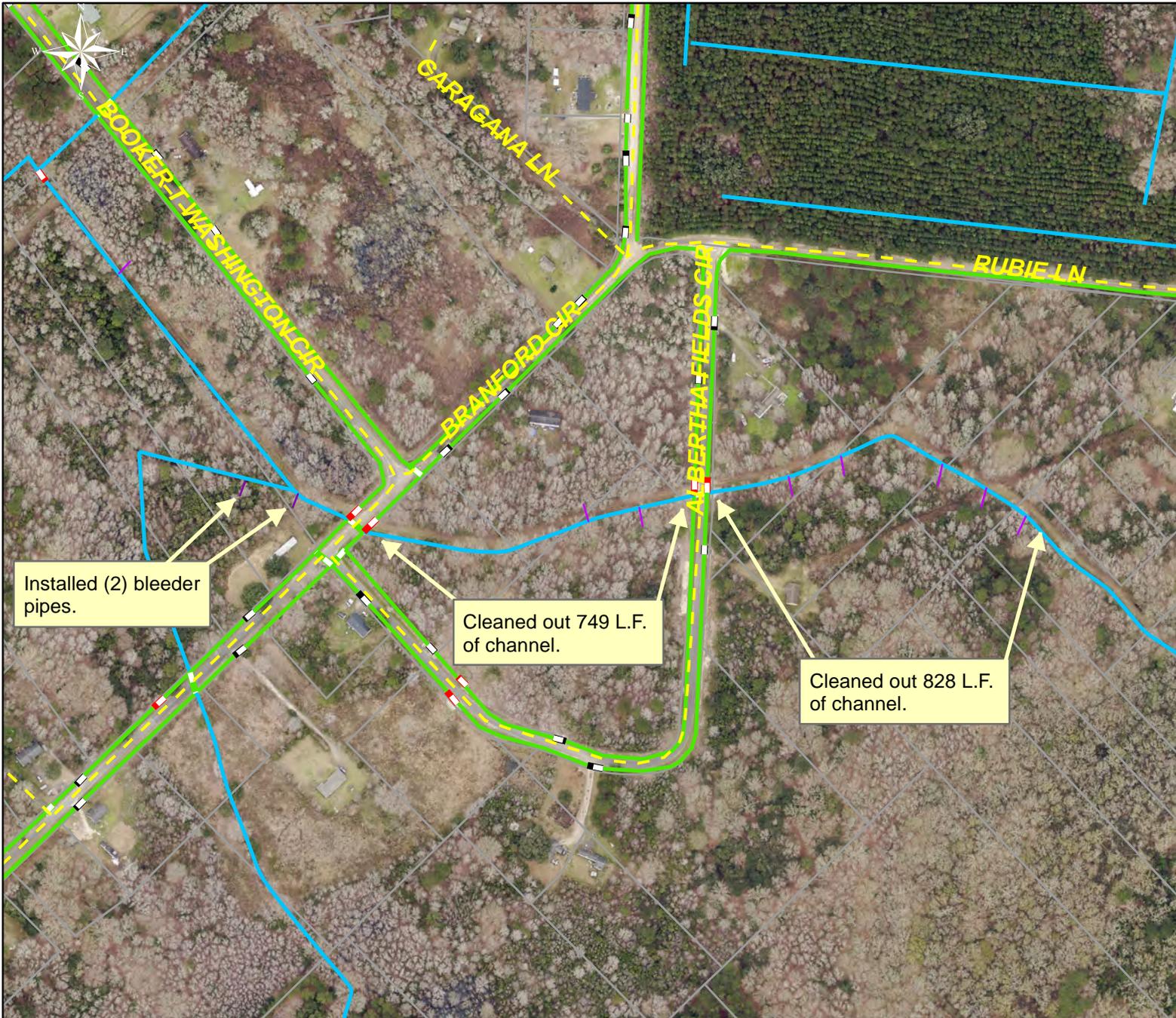
**Duration:** 03/24/20-03/30/20

**Narrative Description of Project:**

Project improved 3,165 L.F. of drainage system. Cleaned out 3,165 L.F. of channel. Installed (4) bleeder pipe.

| <b>2020-039 / Albertha Fields Circle Channel</b>    | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|---|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                               | 1.0                    | \$21.79               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$21.79               |
| BPINST / Bleeder pipe - Installed                   | 40.0                   | \$825.45              | \$151.59                  | \$400.18                 | \$0.00                     | \$452.85                  | \$1,830.07            |
| CCO / Channel - cleaned out                         | 75.0                   | \$1,549.50            | \$504.68                  | \$83.46                  | \$0.00                     | \$966.75                  | \$3,104.39            |
| HAUL / Hauling                                      | 16.0                   | \$382.06              | \$245.52                  | \$70.61                  | \$0.00                     | \$43.26                   | \$741.45              |
| 2020-039 / Albertha Fields Circle Channel Sub Total | 132.0                  | \$2,778.80            | \$901.79                  | \$554.25                 | \$0.00                     | \$1,462.86                | \$5,697.70            |
| <b>Grand Total</b>                                  | <b>132.0</b>           | <b>\$2,778.80</b>     | <b>\$901.79</b>           | <b>\$554.25</b>          | <b>\$0.00</b>              | <b>\$1,462.86</b>         | <b>\$5,697.70</b>     |

**(No Picture Available)**



Project: Albertha  
Fields Circle  
Channel Map #1

Activity: Routine/  
Preventive  
Maintenance

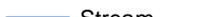
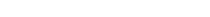
Project #:  
2020-039

Township/SW Dist:  
Sheldon/5

Completed:  
March 2020

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



**1 inch = 330 feet**

Prepared By: BC Stormwater Management Utility

Date Print: 05/13/20

File: C:\project summaries map\Albertha Fields Circle Channel Map #1\_2020-039



Project: Albertha Fields Circle Channel Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2020-039

Township/SW Dist: Sheldon/5

Completed: March 2020

Cleaned out 1,588 L.F. of channel. Installed (2) bleeder pipes.

**Legend**

**Drainage Type**

- Access Pipe
- Bleeder Pipe
- Channel Pipe
- Channel
- Stream
- Crossline Pipe
- Driveway Pipe
- Lateral
- Lateral Pipe
- River
- Road Pipe
- Roadside
- Roadside Pipe



1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 05/13/20

File: C:\project summaries map\Albertha Fields Circle Channel Map #2 \_2020-039



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

**Project Summary:** No Man Land Road Channel

**Activity:** Routine/Preventive Maintenance

**Duration:** 04/02/20-04/06/20

**Narrative Description of Project:**

Project improved 244 L.F. of drainage system. Cleaned out 244 L.F. of channel.

| <b>2020-040 / No Man Land Road Channel</b>    | <b>Labor<br/>Hours</b> | <b>Labor<br/>Cost</b> | <b>Equipment<br/>Cost</b> | <b>Material<br/>Cost</b> | <b>Contractor<br/>Cost</b> | <b>Indirect<br/>Labor</b> | <b>Total<br/>Cost</b> |
|---|------------------------|-----------------------|---------------------------|--------------------------|----------------------------|---------------------------|-----------------------|
| AUDIT / Audit Project                         | 0.5                    | \$10.90               | \$0.00                    | \$0.00                   | \$0.00                     | \$0.00                    | \$10.90               |
| CCO / Channel - cleaned out                   | 15.0                   | \$309.90              | \$62.39                   | \$21.36                  | \$0.00                     | \$193.35                  | \$587.00              |
| WSL / Workshelf - Level                       | 9.0                    | \$185.94              | \$33.14                   | \$8.72                   | \$0.00                     | \$116.01                  | \$343.81              |
| 2020-040 / No Man Land Road Channel Sub Total | 24.5                   | \$506.74              | \$95.53                   | \$30.08                  | \$0.00                     | \$309.36                  | \$941.70              |
| <b>Grand Total</b>                            | <b>24.5</b>            | <b>\$506.74</b>       | <b>\$95.53</b>            | <b>\$30.08</b>           | <b>\$0.00</b>              | <b>\$309.36</b>           | <b>\$941.70</b>       |

**Before**



**During**

**(No Pictures Available)**

**Ending**





Project: No Man Land Road Channel

Activity: Routine/ Preventive Maintenance

Project #: 2020-040

Township/SW Dist: St. Helena Island/8

Completed: April 2020

**Legend**

**Drainage Type**

-  Access Pipe
-  Bleeder Pipe
-  Channel Pipe
-  Channel
-  Stream
-  Crossline Pipe
-  Driveway Pipe
-  Lateral
-  Lateral Pipe
-  River
-  Road Pipe
-  Roadside
-  Roadside Pipe



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 05/13/20

File: C:\project summaries map\No Man Land Road Channel\_2020-040

**Beaufort County Public Works' Stormwater Utility**  
**Stormwater Utility**  
**FY 2019 Actuals**

**Revenue/Reserve Utilization**

March 4, 2020

|                                    | FY 2018             | Approved Budget  | FY 2019 Unaudited Actuals | Variance           |   |
|------------------------------------|---------------------|------------------|---------------------------|--------------------|---|
|                                    | Actuals             |                  |                           |                    |   |
| Admin SWU Fees                     | 978,510             | 777,672          | 993,499                   | 215,827            | \$732,684 - Unincorp BC<br>\$260,815 - Municipalities   |
| Unincorp/CWI SWU Fees              | 4,697,084           | 5,092,859        | 4,610,468                 | (482,391)          |   |
| <b>Total Revenue from SWU Fees</b> | <b>5,675,593</b>    | <b>5,870,531</b> | <b>5,603,968</b>          | <b>(266,563)</b>   | Billed \$100k less than anticipated<br>\$141k in delinquent fees  |
| Reimbursable Projects              | -                   | -                | -                         | -                  |   |
| Interest                           | 148,938             | 2,500            | 272,185                   | 269,685            |   |
| Gain (Loss) Sale of Capital Assets | (10,836)            | -                | 75,935                    | 75,935             |   |
| Other                              | 12,490              | -                | 13,496                    | 13,496             | \$1,596 - Driveway installation<br>\$11,900 - Permits   |
| Cost-Share for Joint Efforts       | 27,622              | 27,694           | 35,823                    | 8,129              |   |
| <b>Reserve Utilization</b>         |                     |                  |                           | -                  | Regional SW Std Development<br>City of Hardeeville - \$3,642<br>Jasper County - \$11,889<br>Town of Bluffton - \$20,293 |
| Capital Improvement Fund           | 616,990             | 2,145,569        | -                         | (2,145,569)        |   |
| Stormwater Utility                 |                     | 526,007          | -                         | (526,007)          |   |
|                                    | <b>\$ 6,470,798</b> | <b>8,572,301</b> | <b>6,001,407</b>          | <b>(2,570,894)</b> |   |

**Efforts (Expenditures)**

|  | FY 2018             |                     | FY 2019             |                       |  |
|--|---------------------|---------------------|---------------------|-----------------------|--|
|  | \$                  |                     | \$                  | \$                    |  |
| Admin                                    | \$ 380,014          | 367,672             | \$ 355,975          | \$ (11,697)           | <b>Professional Services</b><br>\$1,388 - MS4 Admin Support<br>\$107,105 - SW Regional Standards<br>\$2,000 - MS4 Permit   |
| <b>Regulation</b>                        |                     |                     |                     | -                     |  |
| UA/Control Reg                           | 446,009             | 897,830             | 542,250             | (355,580)             | \$120K - USCB Lab<br>\$15K - WQ Analysis (w/ ToB)<br>\$3,259 - Bold & Gold Analysis  |
| UA/WQ Monitoring                         | 120,000             | 180,000             | 138,259             | (41,741)              |  |
| UA/Public Information/Outreach           | 90,000              | 90,000              | 90,000              | -                     |  |
| <i>Utility Activities Subtotal</i>       | <i>656,009</i>      | <i>1,167,830</i>    | <i>770,509</i>      | <i>(397,321)</i>      | Carolina Clear   |
| <b>Utility Activities</b>                |                     |                     |                     |                       |  |
| UA/Annual Maintenance                    | 2,956,276           | 3,398,972           | 2,737,802           | (661,170)             | \$188,193 - Interest Expense   |
| UA/Drainage Enhancement                  | -                   | 14,000              | -                   | (14,000)              |  |
| UA/Additional Studies                    | 67,999              | 15,000              | 150,532             | 135,532               | <b>Professional Services</b><br>\$7,607 - Drainage & Capital Project Review Support<br>\$131,625 - Admin Parking lot repair<br>\$11,300 - Wallace Rd Project   |
| <i>Utility Activities Subtotal</i>       | <i>3,024,275</i>    | <i>3,427,972</i>    | <i>2,888,334</i>    | <i>(539,638)</i>      |  |
| <b>Capital Improvement Fund</b>          |                     |                     |                     |                       |  |
| Okatie West/SC 170 Retrofit              | 946,213             | 5,000               | 113,022             | 108,022               |  |
| Battery Creek Upper Retrofit             | 205,137             | -                   | -                   | -                     |  |
| Buckingham Plantation                    | -                   | 276,247             | -                   | (276,247)             |  |
| Brewer Memorial Demo Pond                | 17,338              | -                   | 55,121              | 55,121                |  |
| Factory Creek Phase I                    | 62,930              | -                   | 5,470               | 5,470                 |  |
| Factory Creek Phase II                   | 12,000              | -                   | -                   | -                     |  |
| Salt Creek South                         | 26,109              | 444,774             | 58,087              | (386,687)             | <b>50250013</b><br>\$30,739 - New Pickup Truck for additional Inspector<br><b>50250011</b><br>\$40,501 - Labor truck budgeted for FY18, not received until FY19<br>\$48,093 - Labor truck<br>\$114,646 - Bush hog<br>\$117,452 - Backhoe Loader<br>\$153,268 - Bull Dozer<br>\$67,387 - Minil Excavator<br>\$62,410 - Hydroseeder<br>\$46,821 - Appraisals, title research, and legal services |
| Shanklin Road                            | 22,248              | 639,144             | 63,255              | (575,889)             |  |
| Grober Hill                              | -                   | -                   | -                   | -                     |  |
| Sawmill Creek/Forby                      | 31,181              | 560,000             | 3,800               | (556,200)             |  |
| Evergreen                                | 8,118               | -                   | 34,673              | 34,673                |  |
| Mossy Oaks                               | -                   | 220,404             | 5,000               | (215,404)             |  |
| <i>Capital Improvement Fund Subtotal</i> | <i>1,331,274</i>    | <i>2,145,569</i>    | <i>338,428</i>      | <i>(1,807,141)</i>    |  |
| <b>Utility Operating Fund</b>            |                     |                     |                     |                       |  |
| Capital Assets New Purchases             | 1,281,659           | 1,213,258           | 679,340             | 318,009               |  |
| Reserve Fund                             | 250,000             | 250,000             | 250,000             | -                     | Fourth and Final year  |
| <b>Efforts Total</b>                     | <b>\$ 5,641,572</b> | <b>\$ 8,572,301</b> | <b>\$ 5,282,586</b> | <b>\$ (3,247,538)</b> |  |

**Beaufort County Stormwater Utility  
Proposed Budget for FY2021**

**Unaudited Projected Revenue**

Revised: May 22, 2020

|                                    | FY2020<br>Budget | FY2021<br>Proposed<br>Budget |
|------------------------------------|------------------|------------------------------|
| <b>Revenue</b>                     |                  |                              |
| Admin SWU Fees                     | 1,022,876        | 903,126                      |
| Unincorp/CWI SWU Fees              | 5,759,669        | 6,100,193                    |
| <b>Total Revenue from SWU Fees</b> | <b>6,782,545</b> | <b>7,003,319</b>             |
| Interest                           | 125,000          | 112,500                      |
| Other                              | -                | 11,175                       |
| Cost-Share for Joint Efforts       | 12,914           | -                            |
| <b>Reserve Utilization</b>         |                  |                              |
| Capital Improvement Fund           | 1,508,119        | 2,794,262                    |
| <b>Projected Revenue Total</b>     | <b>8,428,578</b> | <b>9,921,256</b>             |

425,550 - Admin budget  
C/S for monitoring (\$120K) & PE/O (\$90K)  
COB - \$35,579  
ToB - \$56,865  
ToHHI - \$151,933  
ToPR - \$22,158  
Unincorp BC \$369,014  
Additional Unincorp BC \$267,576

County SW Admin Fees & SWU Fees - \$5,910,681  
CWI Fees - \$826,103  
Admin fees from municipalities - \$266,535

Interest on County investments allocated to SW

SW Permits

May approach CoB or ToPR for Cost-share if litigation of delinquent fees is necessary.

**Personnel**  
SW Manager; Business Mngr; GIS/MS4 Data Mngr; Admin Tech - .5 FTE; Fiscal Tech - .1 FTE; Asst SW Mngr - .2 FTE  
\$150K Professional Services for litigation of delinquent SW fees (not included in the portion of the admin budget that is cost-shared with the municipalities.)

**Efforts (Expenses)**

|                                     | FY2020           | FY2021           |
|-------------------------------------|------------------|------------------|
| <b>Administration</b>               | 444,291          | 575,550          |
| <b>Utility Activities</b>           |                  |                  |
| UA/Annual Maintenance               | 4,193,868        | 4,782,884        |
| UA/Drainage Enhancement             | 20,000           | 10,000           |
| UA/Additional Studies               | 20,000           | -                |
| <i>Utility Activities Subtotal</i>  | <i>4,233,868</i> | <i>4,792,884</i> |
| <b>Regulation</b>                   |                  |                  |
| UA/Control Reg                      | 794,840          | 872,789          |
| UA/WQ Monitoring                    | 185,000          | 120,000          |
| UA/Public Information/Outreach      | 95,000           | 95,000           |
| <i>Regulation Subtotal</i>          | <i>1,074,840</i> | <i>1,087,789</i> |
| <b>Capital Improvement Fund</b>     |                  |                  |
| Brewer Memorial Demo Pond           | 462,000          | 600,000          |
| Factory Creek Phase I               | -                | 327              |
| Factory Creek Phase II              | -                | 20,550           |
| Salt Creek South                    | 248,496          | 248,496          |
| Shanklin Road                       | 341,820          | 341,820          |
| Mossy Oaks                          | 205,000          | 205,000          |
| Camp St. Mary                       | 342,000          | 342,000          |
| Evergreen                           | 317,322          | 840,000          |
| Graves/Pepper Hall                  |                  | 500,000          |
| Rock Springs Creek                  |                  | 43,052           |
| <i>Reserve Utilization Subtotal</i> | <i>1,916,638</i> | <i>3,141,245</i> |
| <b>Utility Operating Fund</b>       |                  |                  |
| Capital Assets New Purchases        | 758,940          | 323,788          |
| <b>Efforts Total</b>                | <b>8,428,578</b> | <b>9,921,256</b> |

**Personnel**  
Superintendent; Admin Superintendent; (2) Foremen; (39) crew & support; (2) Infrastruc Inspec Tech; Fiscal Tech - .2 FTE; Asst SW Mngr - .4FTE  
**Professional Services**  
\$15K - Survey  
\$60K - Engineering Services  
**Non-Professional Services**  
\$370K - major failures repaired by contractor (Oak Marsh, Bluffton Flyover, and contingency)  
**Other**  
\$188K - Interest on bond

**Personnel**  
MS4 Coord/Inspector; (3) Inspectors; SW Plan Reviewer/Inspector; Admin Tech- .5 FTE; Fiscal Tech-.1 FTE; Asst SW Mngr - .4 FTE (Removed one inspector position)  
**Professional Services**  
\$238K - MS4 Consultant

\$120K - USCB Lab

\$90K - Carolina Clear

\$5K - Website Maintenance

Construction

ROW

ROW

Cost-Share w/ CoB

Design

Construction

County share for design & construction per the JDA

Design

**Regulatory**  
\$10,519 -Cost-Share for Plotter/Scanner  
**Infrastructure**  
\$220,000 - Truck Mounted Camera System  
\$41K - Replace Pickup Truck  
\$41,750- SUV for Asst SW Mngr  
\$124K - Replace Excavator  
\$50K - Land Acquisition



BEAUFORT COUNTY  
STORMWATER MANAGEMENT UTILITY BOARD AGENDA  
Wednesday, August 12, 2020  
2:00 p.m.  
Executive Conference Room, Administration Building  
Beaufort County Government Robert Smalls Complex  
100 Ribaut Road, Beaufort, South Carolina  
843.255.2805

In accordance with South Carolina Code of Laws, 1976, as amended, Section 30-4-80(d), all local media was duly notified of the time, date, place and agenda of this meeting.

1. CALL TO ORDER – 2:00 p.m.
  - A. Approval of Agenda
  - B. Approval of Minutes – July 8, 2020 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
  - A. Utility Update – Katie Herrera ([backup](#))
  - B. Monitoring Update – Katie Herrera ([backup](#))
  - C. Stormwater Related Projects – Katie Herrera ([backup](#))
  - D. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
  - E. Regional Coordination – Katie Herrera ([backup](#))
  - F. Municipal Reports – Katie Herrera ([backup](#))
  - G. MS4 Update – Katie Herrera ([backup](#))
  - H. Maintenance Projects Report – Matthew Rausch ([backup](#))
5. UNFINISHED BUSINESS
6. NEW BUSINESS
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
  - A. September 9, 2020 ([backup](#))
9. ADJOURNMENT