



Beaufort County Stormwater Utility
120 Shanklin Road
Beaufort, South Carolina 29906
Voice (843) 255-2805

January 12, 2023

Stormwater Utility Board Packet

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2. Stormwater Projects Report – [Attached](#)
3. Draft December Minutes – [Attached](#)
4. 2.15.2023 Agenda – [Attached](#)



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, February 15th, 2023, 2:00 p.m.
County Council Chambers
Beaufort, South Carolina 843.255.2805

1. CALL TO ORDER – 2:00p.m.

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.

- A. Approval of Agenda
 - B. Approval of Minutes – December 14th, 2022 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
- A. Utility Update – Katie Herrera ([backup](#))
 - B. Monitoring Update – Katie Herrera ([backup](#))
 - C. Stormwater Implementation Committee Report – Katie Herrera([backup](#))
 - D. Stormwater Related Projects – Julianna Corbin ([backup](#))
 - E. Upcoming Professional Contracts Report – Julianna Corbin ([backup](#))
 - F. Regional Coordination – Katie Herrera ([backup](#))
 - G. Municipal Reports – Katie Herrera ([backup](#))
 - H. MS4 Update – Katie Herrera([backup](#))
 - I. Staff Update – Katie Herrera ([backup](#))
 - J. Maintenance Projects Report – Matthew Rausch ([backup](#))
 - K. Liaison Report - Ms. Alice Howard
5. UNFINISHED BUSINESS
- A. Update on Land Swap agreement – Katie Herrera
6. NEW BUSINESS
- A. TY23 Management Memo – Katie Herrera
 - B. TY24 Budget – Carolyn Wallace
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
- A. Wednesday, April 19TH 2023 ([backup](#))
9. ADJOURNMENT





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

December 14th, 2022 at 2:00 p.m.
Beaufort County Council Chambers

Board Members

Present

Marc Feinberg
Ron Buchanan
James Clark
Dennis Ross
Ed Warner
Patrick Mitchell

Absent

Steven Andrews

Present

Nate Farrow
Van Willis

Ex-Officio Members

Absent

Jeff Netzinger
Bill Baugher

Beaufort County Staff

Present

Katie Herrera
Neil Desai
Julianna Corbin
Jon Spencer
Carolyn Wallace

Absent

Matt Rausch

Visitors

Jacob Terry
Ellen Sturup Comeau, Clemson Extension
Crystal Muller, Woolpert Inc.
Terri Aigner, St. Helena resident
Patty Wilson, ROW
Jimmy Pope, St. Helena resident

- 1. Meeting called to order** – Mr. Marc Feinberg at 2:00 pm
 - A. Agenda – Approved
 - B. Approval of Minutes – Approved.
- 2. Introductions** – Completed.
 - ✓ Mr. Marc Feinberg welcomed everyone to the meeting.
- 3. Public Comment(s)** – None.
- 4. Special Presentations** – Crystal Mueller, Woolpert Inc. Watershed Study

5.Reports

A. Utility Update – Mrs. Katie Herrera

- ✓ 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:
- ✓ Regionalization
 - a) Staff continues to support coordination on permitting standards.
 - A regional meeting was held on August 18th to discuss amending items within the manual to make plan review easier for staff, as well as the development community. A feedback period was provided to the development community and some response was provided by the October 4th deadline. Staff will integrate comments as necessary, and any proposed amendments to the manual shall be provided to the Utility board for comment and review.
 - b) Staff continues to support other municipalities in their efforts to move forward with adoption.
- ✓ Special presentation suggestions –
- ✓ Military installation and other State and Federal properties SWU fees – See “Delinquent Accounts” below.
- ✓ 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.
 - IGA amendments for the Town of Port Royal have been approved. At time of report, still awaiting copies.
- ✓ Reminder: Annual Financial reports from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30th, the City and Towns are required to submit a summary of revenue and expenditures for the previous fiscal year.
 - a) Beaufort County – Received.
 - b) Town of Hilton Head Island – Received.
 - c) Town of Bluffton – Received.
 - d) Town of Port Royal – Not received.
 - e) City of Beaufort – Not Received.

B. Monitoring Update – Mrs. Katie Herrera

- ✓ Mrs. Herrera spoke on the subject briefly.

- ✓ Both the County and the Town has denied the request of USCB to have a lab manager take over Ms. Danielle Mickel’s position. No response from USCB was provided.

C. Stormwater Implementation Committee (SWIC) Report – Mrs. Katie Herrera

- ✓ No report at time of meeting.

D. Stormwater Related Projects – Ms. Julianna Corbin

- ✓ Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easements coming in. Edits to the Extent of Service and Level of Service documents pending Council guidance prior to finalization

- ✓ Complaints – Staff continually works numerous drainage related complaints each month.
 - a) Shell Point Community – Instructions from SCDOT to use SC unit hydrograph method will expand scope and impact model. Scope and Fee for project management approved, staff awaits task order 1 scope.

- ✓ Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) –Staff sent a final letter to the property owner in late June and is preparing to take legal action.

- ✓ Graves Property / Pepper Hall Public / private partnership – Construction continues on site

- ✓ Whitehall property purchase – Construction continues on City property.

- ✓ Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No update at this time

- ✓ Tuxedo Park Pond – Project deferred to FY24.

- ✓ Huspah Court North and Bessie’s Lane – One contractor responded to RFQ and contracting process has been initiated.

- ✓ Arthur Horne Park – The final Preliminary Investigatory Feasibility Report (PIFR) was signed for approval by the State Conservationist on October 11. The project is fourth in the State Agency Priority Rating. Planning Efforts with federal contractors will begin next.

E. Professional Contracts – Ms. Julianna Corbin

- ✓ CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
 - Brewer Memorial – Punch list was issued to contractor on September 20. Erosion has undermined the emergency outfall of the pond and correction requires a larger mobilization from the contractor. Grand opening event will be scheduled when updates by others are complete.
- ✓ Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Project passed closeout with Town of Bluffton on November 22. Public meeting to fulfill grant requirement was held on November 18.
- ✓ Stormwater engineering consulting services – Woolpert
 - Scope #1 – General Services – Anything relating to Stormwater as a catch all scope. Allocated Funds – \$15,000.00.
 - Scope #2 – Southern Lowcountry Design Manual Training – This was completed prior to June of 2021. Training set up for in house staff as well as developers in the County. Allocated funds - \$30,000.00.
 - Scope #3 – Comprehensive program audit. Reviewing all components of the MS4 program, CIP list, Utility, asset management, etc. Allocated funds - \$105,000.00. Audit has been completed. Staff are making adjustments to program in accordance with recommendations of the audit.
 - Scope #4 – Tax Run and Utility assistance. In the event the County needed assistance with assessing SW Fees, we have them available on call. We will also look to have them QA/QC data from previous years. Allocated funds - \$29,900.00.
 - Scope #5 – Battery Creek Pond –Project complete.
 - Scope #6 – Turtle Lane drainage study. Project Completed.
 - Scope #7 – NPDES SMS4 general permit assistance
 - Scope #8 – St. Helena Drainage Study. Final report draft received 6/30
 - Scope #9 – Arthur Horne Park 319 Grant Funding –Scope completed.
 - Scope #10 – Lady’s Island Drainage Study Phase I – Woolpert presented preliminary modeling data to staff on November 17.
- ✓ Scopes on County and Woolpert Radar:
 - Mint Farm and Rivers End Water Quality Retrofits

F. Regional Coordination

- ✓ See “Stormwater Related Projects” item #10.

G. Municipal Reports

- ✓ Town of Hilton Head Island (From Jeff Netzinger, Stormwater Manager and Brian Eber, MS4 Coordinator)
 - No information was available at time of report.
- ✓ Town of Bluffton (From Kim Jones, Watershed Management Division Director)
 - See attached Report.
- ✓ City of Beaufort (From Nate Farrow, Public Works Director)
 - No information was available at the time of this report.
- ✓ Town of Port Royal (From Van Willis, Town Manager and Tony Maglione, consultant)
 - No information was available at the time of this report.

H. MS4 Report – Mrs. Katie Herrera

- ✓ Plan Review

- ✓ Stormwater Permits
- ✓ Monthly Inspection Summary
 - New permitting fees based on regional comparison within the municipalities of Beaufort County.
- ✓ Public Education – Mrs. Ellen Comeau
 - There has been an increase in home visits and phone calls; particular in the Sea Island areas.
 - Beginning the process of creating a manual based on the South Carolina ‘Adopted Stream Program.’
- ✓ MS4 Statewide General permit – Katie Herrera

I. Staff Update

- ✓ Senior Stormwater Inspector position is expected to be fulfilled on Jan. 3.

J. Maintenance Report

- ✓ Five major projects in the St. Helena area with a total cost of \$174,057.40.
- ✓ Various other maintenance projects throughout the county totaling \$208,559.09.

K. Liaison Report – Beaufort County Council – Katie Herrera

Highlights

- ✓ In the process of proposing a land swap to be approved for procurement between Evergreen and New Leaf property. The Stormwater Utility fund help fund those properties.

6. Unfinished Business

7. New Business

- ✓ Mrs. Katie Herrera – Next Year’s Schedule

8. No Public Comment

- ✓ Terri Aigner – Flooding Concerns on St. Helena Island

9. Next Meeting Agenda

- ✓ Approved

10. Meeting Adjourned



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December 2022

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:
2. Regionalization
 - a) Staff continues to support coordination on permitting standards.
 - Congratulations to the Town of Port Royal for adopting the Manual.
 - County staff meeting with the Town of Bluffton on 1/13 to review plan review standard operating procedures.
 - Land Use Committee scheduled for 1/9/23 to begin manual update approvals at County level.
 - b) Staff continues to support other municipalities in their efforts to move forward with adoption.
3. Special presentation suggestions
 - a) Brewer Memorial Park – Spring 2023
4. Reminder: Annual Financial report from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30th, the City and Towns are required to submit a summary of revenue and expenditures for the previous fiscal year.
 - a) Beaufort County – Received.
 - b) Town of Hilton Head Island – Received.
 - c) Town of Bluffton – Received.
 - d) Town of Port Royal – Not received.
 - e) City of Beaufort – Not Received.

Monitoring Update

1. Lab Update (From Lab Manager Danielle Mickel)
 - i. [See attached report.](#)

Stormwater Implementation Committee (SWIC) Report

1. Staff working on FY24 Budget, which includes cost share items. SWIC items to be provided by 2/15/2023 per IGAs.

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Stormwater Related Projects

1. Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easements. Edits to the Extent of Service and Level of Service documents pending Council guidance prior to finalization
2. Complaints – Staff continually works numerous drainage related complaints each month.
 - a) Shell Point Community – Staff awaits task order 1 scope. The intergovernmental agreement was sent back from SCDOT on December 16th, J. Bragg suggested edits on the county’s behalf, and the document is under DOT’s rereview at current time.
3. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) –Staff is preparing to take legal action.
4. Graves Property / Pepper Hall Public / private partnership – Construction continues on site
5. Whitehall property purchase – Construction continues on City property.
6. Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No update at this time
7. Tuxedo Park Pond Dredging- Project deferred to FY24
8. Huspah Court North and Bessie’s Lane, On Call Stormwater infrastructure services- Kickoff meeting with J.H. Hiers was held December 22nd. County staff are ordering materials for Huspah Court North while J.H. Hiers prepares fee estimates for the provided projects.
9. Arthur Horne Park- No update since last report - The final Preliminary Investigatory Feasibility Report (PIFR) was signed for approval by the State Conservationist on October 11. The project is fourth in the State Agency Priority Rating. Planning Efforts with federal contractors will begin next.

Professional Contracts Report

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
 - a) Brewer Memorial – Erosion issues were repaired in late December. Final inspection and closeout with contractor are pending. Irrigation issues at the park are to be repaired in January.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Project closed.
3. Stormwater engineering consulting services – Woolpert
 - a) Scope #1 – General Services – Anything relating to Stormwater as a catch all scope. Allocated Funds – \$15,000.00.

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- b) Scope #2 – Southern Lowcountry Design Manual Training – This was completed prior to June of 2021. Training set up for in house staff as well as developers in the County. Allocated funds - \$30,000.00.
- c) Scope #3 – Comprehensive program audit. Reviewing all components of the MS4 program, CIP list, Utility, asset management, etch. Allocated funds - \$105,000.00. Audit has been completed. Staff are making adjustments to program in accordance with recommendations of the audit.
- d) Scope #4 – Tax Run and Utility assistance. In the event the County needed assistance with assessing SW Fees, we have them available on call. We will also look to have them QA/QC data from previous years. Allocated funds - \$29,900.00.
- e) Scope #5 – Battery Creek Pond –Project complete.
- f) Scope #6 – Turtle Lane drainage study. Project Completed.
- g) Scope #7 – NPDES SMS4 general permit assistance
- h) Scope #8 – St. Helena Drainage Study. Final report draft received 6/30
- i) Scope #9 – Arthur Horne Park 319 Grant Funding –Scope completed.
- j) Scope #10 – Lady’s Island Drainage Study Phase I – Woolpert continues to QA/QC the model results and produce the report.

Scopes on County and Woolpert Radar:

- 1. Mint Farm and Rivers End Water Quality Retrofits

Regional Coordination

- 1. See “Stormwater Related Projects” item #10.

Municipal Reports

- 1. Town of Hilton Head Island (From Jeff Netzinger, Stormwater Manager and Brian Eber, MS4 Coordinator)
 - i. No information was available at time of report.
- 2. Town of Bluffton (From Kim Jones, Watershed Management Division Director)
 - i. [See attached 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.

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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. Public Education – [See attached report.](#)
5. Energov permitting software – Staff is coordinating with the Zoning department to take over issuance of Stormwater permits.
6. MS4 Statewide General permit – No update at this time.

Staff Update

1. Interviewing for all vacancies.



MEMORANDUM

Date: January 3, 2023

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

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

Major Projects:

- **Rivers End Subdivision – Bluffton (4):** This project improved 444 linear feet of drainage system. The scope of work included installing 104 linear feet of roadside pipe. Repaired (3) sinkholes. Constructed (1) catch basin, replaced (1) driveway pipe and (2) driveways. Dewatered pond, jetted 340 linear feet of roadside pipe and cleaned out (1) catch basin. Installed sod and rip rap for erosion control. The total cost was **\$100,299.06**.

Minor or Routine Projects:

- **Lady's Island Vacuum Truck – Lady's Island (7):** This project improved 886 linear feet of drainage system. The scope of work included cleaning out (14) catch basins and jetting (8) driveway pipes, (9) crossline pipes, 344 linear feet of channel pipe and 542 linear feet of roadside pipe. The total cost was **\$9,883.14**.
- **St Helena Island Vacuum Truck – St Helena Island (8):** This project improved 376 linear feet of drainage system. The scope of work included cleaning out (31) catch basins and jetting (1) driveway pipe, (13) crossline pipes and 376 linear feet of channel pipe. The total cost was **\$10,190.04**.
- **Mt Pisgah Church Road – Sheldon (5):** This project improved 575 linear feet of drainage system. The scope of work included cleaning out 575 linear feet of roadside ditch and jetting (2) driveway pipes and (1) crossline pipes. The total cost was **\$3,556.65**.
- **Lukes Lane – Port Royal Island (6,9)** This project improved 160 linear feet of drainage system. The scope of work included grubbing and clearing 60 linear feet of workshelf and cleaning out 100 linear feet of channel ditch. Hydroseeded for erosion control. The total cost was **\$5,696.14**.
- **Salicornia Drive – Lady's Island (7):** This project improved 91 linear feet of drainage system. The scope of work included cleaning out 91 linear feet of roadside ditch. The total cost was **\$1,172.22**.

- **Lucerne Avenue – Lady’s Island (7):** This project improved 70 linear feet of drainage system. The scope of work included cleaning out 70 linear feet of roadside ditch and jetting (2) driveway pipes. The total cost was **\$2,130.26.**
- **Alumni Road – Lady’s Island (7):** This project improved 450 linear feet of drainage system. The scope of work included cleaning out 450 linear feet of roadside ditch and jetting (1) access pipe and (1) driveway pipe. The total cost was **\$3,527.19.**
- **Lady’s Island Valley Drains – Lady’s Island (7):** This project improved 3,762 linear feet of drainage system. The scope of work included cleaning out 3,762 linear feet of valley drains. The total cost was **\$1,456.90.**
- **Port Royal Island Sinkhole Repair – City of Beaufort (1):** The scope of work included repairing (1) sinkhole. The total cost was **\$814.07.**
- **Bluffton Sinkhole Repairs – Bluffton (4):** The scope of work included repairing (2) sinkholes. The total cost was **\$3,287.94.**
- **Pony Avenue – Port Royal Island (9):** This project improved 200 linear feet of drainage system. The scope of work included cleaning out 200 linear feet of channel ditch. The total cost was **\$2,736.44.**
- **Honeysuckle Lane – Lady’s Island (7):** This project improved 449 linear feet of drainage system. The scope of work included cleaning out 449 linear feet of roadside ditch. The total cost was **\$1,332.33.**
- **Lost Island Road – Lady’s Island (7):** This project improved 40 linear feet of drainage system. The scope of work included cleaning out 40 linear feet of roadside ditch and jetting (3) driveway pipes. The total cost was **\$1,473.71.**
- **Laughing Gull Drive – Lady’s Island (7):** This project improved 60 linear feet of drainage system. The scope of work included cleaning out 60 linear feet of roadside ditch and jetting (1) driveway pipe. The total cost was **\$1,042.03.**
- **Capehart Circle – Port Royal Island (9):** This project improved 1,313 linear feet of drainage system. The scope of work included cleaning out 1,170 linear feet of roadside ditch, 143 linear feet of channel ditch and jetting (2) driveway pipes and (1) crossline pipe. The total cost was **\$7,984.01.**
- **Cypress Street – Port Royal Island (6):** This project improved 143 linear feet of drainage system. The scope of work included grubbing and clearing 143 linear feet of workshelf and cleaning out 143 linear feet of channel ditch. Hand seeded for erosion control. The total cost was **\$7,144.55.**
- **Walking Horse Street – Hilton Head Island (3):** This project improved 50 linear feet of drainage system. The scope of work included cleaning out 50 linear feet of roadside ditch. The total cost was **\$2,248.82.**

- **Bryant Road – Hilton Head Island (3):** This project improved 820 linear feet of drainage system. The scope of work included cleaning out 820 linear feet of roadside ditch and jetting (10) driveway pipes and (1) crossline pipe. The total cost was **\$11,975.99**.
- **Thomas Cohen Drive – Hilton Head Island (3):** This project improved 818 linear feet of drainage system. The scope of work included cleaning out 818 linear feet of roadside ditch and jetting (7) driveway pipes and (1) crossline pipe. The total cost was **\$6,398.40**.
- **Priester Road – Sheldon (5):** The scope of work included extending driveway pipe and installing rip rap for erosion control. The total cost was **\$3,738.05**.



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Rivers End S/D

Activity: Routine/Preventive Maintenance

Duration: 06/22/2020 - 10/29/2022

Narrative Description of Project:

Project improved 444 L.F. of drainage system. Dewatered pond. Installed 104 L.F. roadside pipe. Repaired (3) sinkholes. Constructed (1) catch basin and replaced (1) driveway pipe and (2) driveways. Jetted 340 L.F. of roadside pipe and cleaned out (1) catch basin. Installed sod and rip rap for erosion control.

2020-052 / Rivers End Subdivision

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	10.50	\$343.77	\$0.00	\$0.00	\$0.00	\$212.21	\$555.98
BKFILL / Back Fill	30.00	\$623.40	\$124.78	\$30.58	\$0.00	\$132.30	\$911.06
CBCO / Catch basin - clean out	8.00	\$261.27	\$153.28	\$18.29	\$0.00	\$164.64	\$597.48
CBINS / Catch basin - installed	79.00	\$2,128.29	\$187.84	\$647.68	\$0.00	\$923.03	\$3,886.84
CLJS / Cleaned up jobsite	32.00	\$905.36	\$69.60	\$29.52	\$0.00	\$436.00	\$1,440.48
CPJ / Channel Pipe - Jetted	10.00	\$220.95	\$191.60	\$23.07	\$0.00	\$82.35	\$517.97
DPI / Driveway pipe installation	32.00	\$905.36	\$69.60	\$117.74	\$0.00	\$471.92	\$1,564.62
DPINP / Driveway Pipe - Inspected	74.00	\$1,544.58	\$296.77	\$71.72	\$0.00	\$566.88	\$2,479.95
DPRPL / Driveway Pipe - Replaced	133.00	\$3,805.40	\$673.67	\$1,693.13	\$0.00	\$1,810.03	\$7,982.22
DWP / Dewatered Pond	22.00	\$480.64	\$152.18	\$58.16	\$0.00	\$132.30	\$823.28
DWR / Dewatered Road	16.00	\$330.24	\$34.32	\$6.04	\$0.00	\$134.40	\$505.00
FFRC / Flowable Fill - Road Cut	40.00	\$1,214.46	\$192.30	\$1,001.84	\$0.00	\$686.16	\$3,094.76
HAND / HANDSEEDDED	8.00	\$260.30	\$17.40	\$62.74	\$0.00	\$168.76	\$509.20
HAUL / Hauling	362.50	\$9,826.21	\$6,147.01	\$7,358.89	\$0.00	\$4,610.79	\$27,942.89
HEQ / Haul equipment	8.00	\$269.83	\$152.48	\$28.16	\$0.00	\$166.56	\$617.03
LM / Loading Materials	20.00	\$437.10	\$0.00	\$0.00	\$0.00	\$398.00	\$835.10
LP / Locate Pipe	62.00	\$1,290.60	\$306.19	\$38.92	\$0.00	\$343.98	\$1,979.69

Continued on the next page

2022-550 / Rivers End Subdivision cont'd

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
NONPRO / Non-Professional Services	0.00	\$0.00	\$0.00	\$0.00	\$11,050.00	\$0.00	\$11,050.00
ONJV / Onsite Job Visit	22.00	\$1,024.28	\$93.45	\$56.75	\$0.00	\$487.84	\$1,662.32
PA / Project Assit	16.00	\$455.54	\$152.48	\$29.64	\$0.00	\$309.36	\$947.02
PP / Project Preparation	84.00	\$2,120.55	\$585.61	\$2,438.38	\$0.00	\$907.20	\$6,051.74
PRRECON / Project Reconnaissance	31.00	\$668.98	\$56.30	\$47.44	\$0.00	\$290.32	\$1,063.04
PUS / Picking Up Supplies	24.00	\$656.29	\$34.80	\$71.50	\$0.00	\$437.44	\$1,200.03
RPP / Repair Post	5.00	\$216.90	\$21.75	\$94.09	\$0.00	\$133.90	\$466.64
SD / Soft Digging	142.00	\$3,741.58	\$1,985.72	\$517.98	\$0.00	\$1,947.07	\$8,192.34
SI / Sod - Installation	64.00	\$1,838.84	\$317.51	\$694.35	\$0.00	\$1,179.36	\$4,030.06
SR / Sinkhole repair	56.00	\$1,377.40	\$167.95	\$1,434.63	\$0.00	\$750.72	\$3,730.70
STAGING / Staging Materials/Equipment	12.00	\$269.70	\$26.10	\$31.59	\$0.00	\$0.00	\$327.39
STBY / Stand By	30.00	\$844.15	\$456.24	\$139.00	\$0.00	\$603.84	\$2,043.23
UTLOC / Utility locates	1.00	\$24.70	\$0.00	\$0.00	\$0.00	\$13.23	\$37.93
WSDR / Workshelf - Dressed	60.00	\$1,765.80	\$258.13	\$103.21	\$0.00	\$1,125.92	\$3,253.06
Grand Total	1,494.00	\$39,852.47	\$12,925.06	\$16,845.04	\$11,050.00	\$19,626.49	\$100,299.06

Before

During

After

(No Picture Available)





Project: Rivers End
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2020-052

Township/SW Dist:
Bluffton/4

Completed:
October 2022

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 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/12/22

File: C:\project summaries map\Rivers End_2020-052



Project: Rivers End
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2020-052

Township/SW Dist:
Bluffton/4

Completed:
October 2022

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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/12/22

File: C:\project summaries map\Rivers End Map 2_2020-052

Project: Rivers End
Map #3

Activity: Routine/
Preventive
Maintenance

Project #:
2020-052






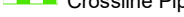
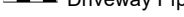
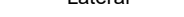





Township/SW Dist:
Bluffton/4

Completed:
October 2022



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 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/12/22

File: C:\project summaries map\Rivers End Map 3_2020-052

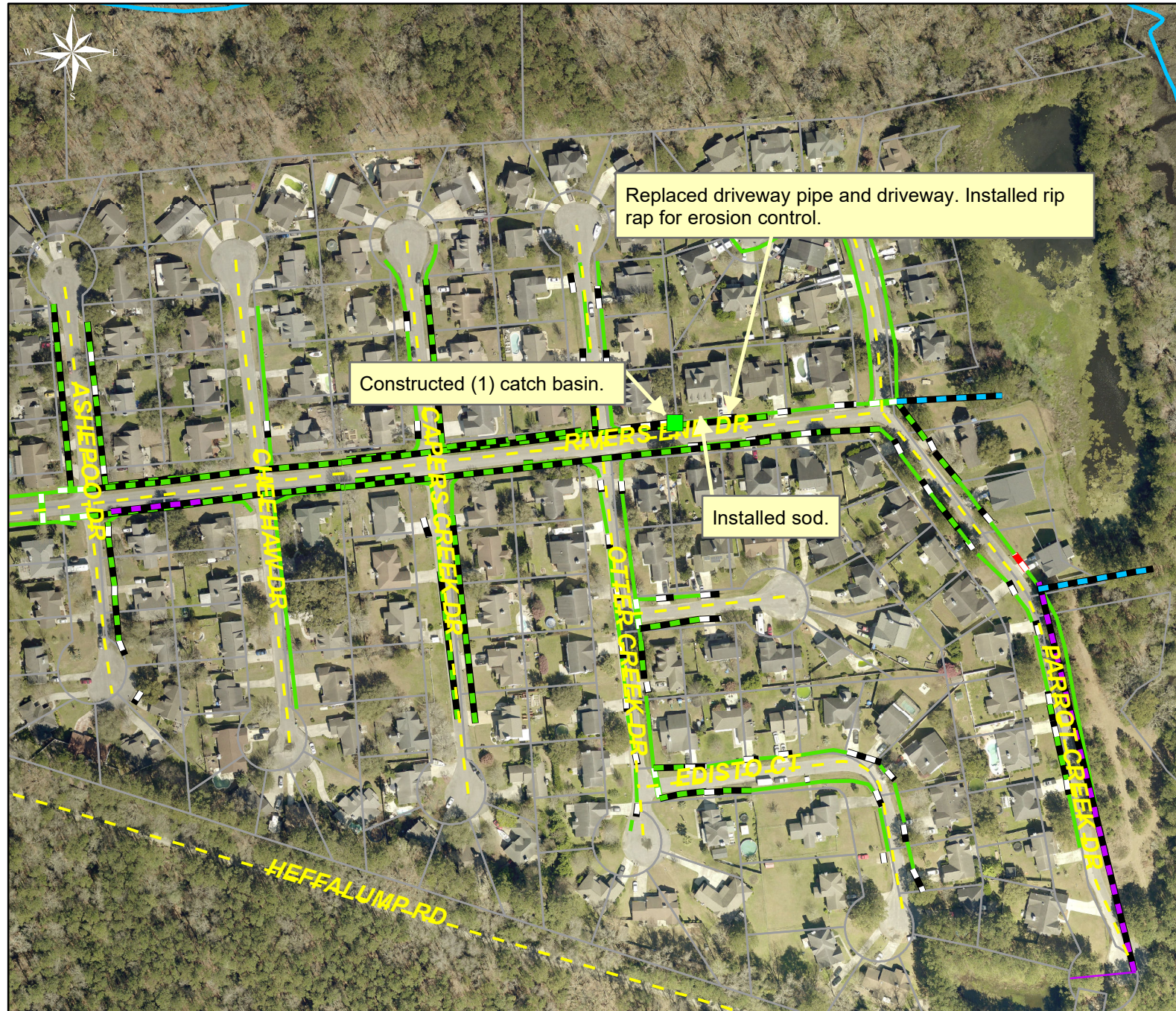
Project: Rivers End
Map #4

Activity: Routine/
Preventive
Maintenance

Project #:
2020-052

Township/SW Dist:
Bluffton/4

Completed:
October 2022



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 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/12/22

File: C:\project summaries map\Rivers End Map 4_2020-052



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lady's Island Vacuum Truck
 Wallace Road, Dolphin Point Drive, Tucker Avenue, Fiddler Drive, Old Distant Island Road, Ethel Grant Lane, Friendship Lane, Needlerush Court, Black Skimmer Court, Marsh Hawk Drive, Frances Court, Brickyard Hills Drive.

Activity: Routine/Preventive Maintenance
Duration: 08/13/2021 - 03/30/2022

Narrative Description of Project:

This project improved 886 L.F. of drainage system. Cleaned out (14) catch basins. Jetted (8) driveway pipes, (9) crossline pipes, 344 L.F. of channel pipe and 542 L.F. of roadside pipe .

2022-307 / Ladys Island Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
CBCO / Catch basin - clean out	49.00	\$1,573.00	\$1,034.64	\$299.70	\$0.00	\$979.39	\$3,886.73
CLPJT / Crossline Pipe - Jetted	16.00	\$522.55	\$306.56	\$134.95	\$0.00	\$325.92	\$1,289.98
CPJ / Channel Pipe - Jetted	16.00	\$522.55	\$306.56	\$94.04	\$0.00	\$329.28	\$1,252.43
DPJT / Driveway Pipe - Jetted	44.00	\$1,437.01	\$843.04	\$222.20	\$0.00	\$898.80	\$3,401.05
Grand Total	126.00	\$4,087.85	\$2,490.80	\$750.89	\$0.00	\$2,553.60	\$9,883.14

Before



During



After





Project: Lady's Island Vacuum Truck
 Old Distant Island Road
 Map #1

Activity: Routine/
 Preventive
 Maintenance














Project #:
 2022-307

Township/SW Dist:
 Lady's Island/7

Completed:
 March 2022

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: 12/09/22
 File:C:\project summaries map/Lady's Island Vac Truck Map 1_2022-307

Project: Lady's Island Vacuum Truck Ethel Grant Lane Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2022-307

Township/SW Dist: Lady's Island/7

Completed: March 2022



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: 12/09/22
 File: C:\project summaries map\Lady's Island Vac Truck Map 2_2022-307

AV

Project: Lady's Island Vacuum Truck Friendship Lane Map #3

Activity: Routine/ Preventive Maintenance

Project #: 2022-307

Township/SW Dist: Lady's Island/7

Completed: March 2022



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 = 170 feet

Prepared By: BC Stormwater Management Utility
Date Print: 12/09/22
File: C:\project summaries map\Lady's Island Vac Truck Map 3_2022-307



Project: Lady's Island
Vacuum Truck
Friendship Lane
Map #4

Activity: Routine/
Preventive
Maintenance




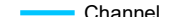








Project #:
2022-307

Township/SW Dist:
Lady's Island/7

Completed:
March 2022

Legend

Drainage Type

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



1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/09/22

File: C:\project summaries map\Lady's Island Vac Truck Map 4_2022-307

Project: Lady's Island Vacuum Truck Needlebrush Court Map #5

Activity: Routine/ Preventive Maintenance

Project #: 2022-307

Township/SW Dist: Lady's Island/7

Completed: March 2022

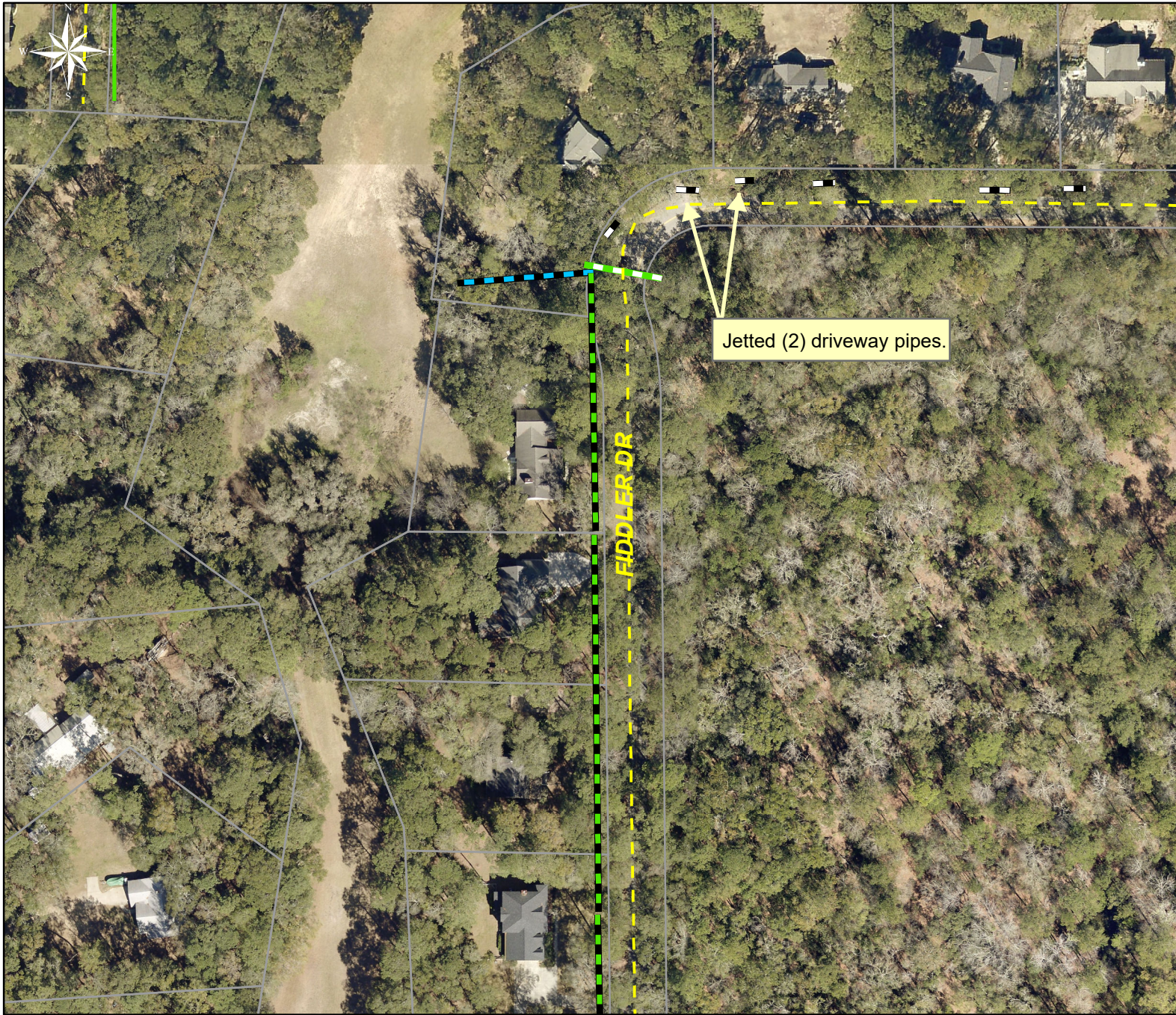


Legend	
Drainage Type	
	Access Pipe
	Bleeder Pipe
	Channel Pipe
	Channel
	Stream
	Crossline Pipe
	Driveway Pipe
	Lateral
	Lateral Pipe
	River
	Road Pipe
	Roadside
	Roadside Pipe

0 20 40 80 120 160 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility
Date Print: 12/09/22
File: C:\project summaries map\Lady's Island Vac Truck Map 5_2022-307



Project: Lady's Island
 Vacuum Truck
 Fiddler Drive
 Map #6

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-307

Township/SW Dist:
 Lady's Island/7

Completed:
 March 2022

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 = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/09/22

File: C:\project summaries map\Lady's Island Vac Truck Map 6_2022-307



Project: Lady's Island
Vacuum Truck
Brickyard Hills Street
Map #7

Activity: Routine/
Preventive
Maintenance














Project #:
2022-307

Township/SW Dist:
Lady's Island/7

Completed:
March 2022

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: 12/09/22
File: C:\project summaries map\Lady's Island Vac Truck Map 7_2022-307



Project: Lady's Island
 Vacuum Truck
 Marsh Hawk Drive
 Map #8

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-307

Township/SW Dist:
 Lady's Island/7

Completed:
 March 2022

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 = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/09/22

File: C:\project summaries map\Lady's Island Vac Truck Map 8_2022-307



Project: Lady's Island
Vacuum Truck
Black Skimmer Drive W
Map #9

Activity: Routine/
Preventive
Maintenance














Project #:
2022-307

Township/SW Dist:
Lady's Island/7

Completed:
March 2022

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: 12/09/22

File: C:\project summaries map\Lady's Island Vac Truck Map 9_2022-307



Project: Lady's Island
Vacuum Truck
Frances Court
Map #10

Activity: Routine/
Preventive
Maintenance














Project #:
2022-307

Township/SW Dist:
Lady's Island/7

Completed:
March 2022

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 10 20 40 60 80
Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/14/22

File: C:\project summaries map\Lady's Island Vac Truck Map 10_2022-307

Project: Lady's Island
Vacuum Truck
Wallace Road
Map #11

Activity: Routine/
Preventive
Maintenance

Project #:
2022-307

Township/SW Dist:
Lady's Island/7

Completed:
March 2022



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: 12/14/22

File: C:\project summaries map\Lady's Island Vac Truck Map 11_2022-307

Project: Lady's Island
Vacuum Truck
Dolphin Point Drive
Map #12

Activity: Routine/
Preventive
Maintenance

Project #:
2022-307














Township/SW Dist:
Lady's Island/7

Completed:
March 2022



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 15 30 60 90 120
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/14/22

File: C:\project summaries map\Lady's Island Vac Truck Map 12_2022-307

Project: Lady's Island
Vacuum Truck
Tucker Avenue
Map #13

Activity: Routine/
Preventive
Maintenance

Project #:
2022-307

Township/SW Dist:
Lady's Island/7

Completed:
March 2022



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 1530 60 90 120
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/14/22

File: C:\project summaries map\Lady's Island Vac Truck Map 13_2022-307

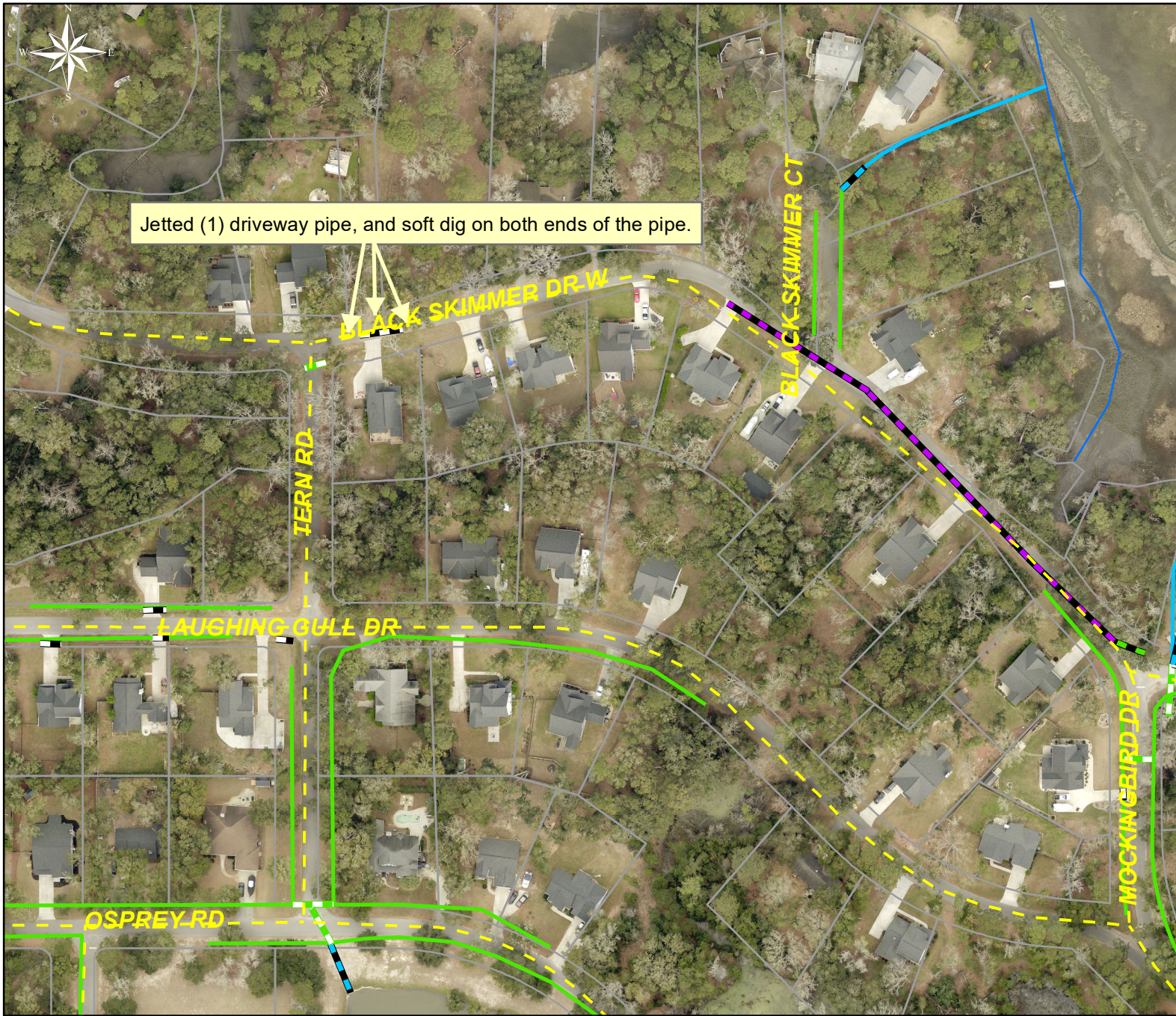
Project: Lady's Island
 Vacuum Truck
 Black Skimmer Drive
 Map #14

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-307

Township/SW Dist:
 Lady's Island/7

Completed:
 March 2022



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: 05/26/22

File: C:\project summaries map\ Lady's Island Vac Truck Map 14_2022-307



Beaufort County Public Works
Stormwater Infrastructure
 Project Summary

Project Summary: St. Helena Island Vacuum Truck
 Capers Island Road, Tombee Road, Luther Warren Drive, Levant Byas, Road,
 Mattis Drive, Sea Pines Drive and White Sands Circle.

Activity: Routine/Preventive Maintenance
Duration: 07/09/2021 - 12/06/2021

Narrative Description of Project:

Project improved 376 L.F. of drainage system. Cleaned out (31) catch basins. Jetted (1) driveway pipe, (13) crossline pipes and 376 L.F. of channel pipe.

2022-309 / St. Helena Island Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
CBCO / Catch basin - clean out	80.00	\$2,612.74	\$1,532.80	\$328.58	\$0.00	\$1,646.40	\$6,120.52
CLPJT / Crossline Pipe - Jetted	32.00	\$1,001.20	\$566.93	\$181.03	\$0.00	\$653.81	\$2,402.97
CPJ / Channel Pipe - Jetted	8.00	\$261.27	\$153.28	\$59.88	\$0.00	\$164.64	\$639.07
DPJT / Driveway Pipe - Jetted	6.00	\$195.96	\$114.96	\$23.80	\$0.00	\$123.48	\$458.20
SD / Soft Digging	8.00	\$233.27	\$153.28	\$35.66	\$0.00	\$94.12	\$516.33
Grand Total	135.00	\$4,337.18	\$2,521.25	\$628.95	\$0.00	\$2,702.66	\$10,190.04

Before



During



After





Project: St Helena
Island Vacuum Truck
Sea Pines Drive
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2022-309

Township/SW Dist:
St Helena Island/8

Completed:
December 2021

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 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 1_2022-309



Project: St Helena
Island Vacuum Truck
White Sands Circle
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2022-309

Township/SW Dist:
St Helena Island/8

Completed:
December 2021

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 15 30 60 90 120
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 2_2022-309



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

Activity: Routine/
Preventive
Maintenance














Project #:
2022-309

Township/SW Dist:
St Helena Island/8

Completed:
December 2021

Legend

Drainage Type

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

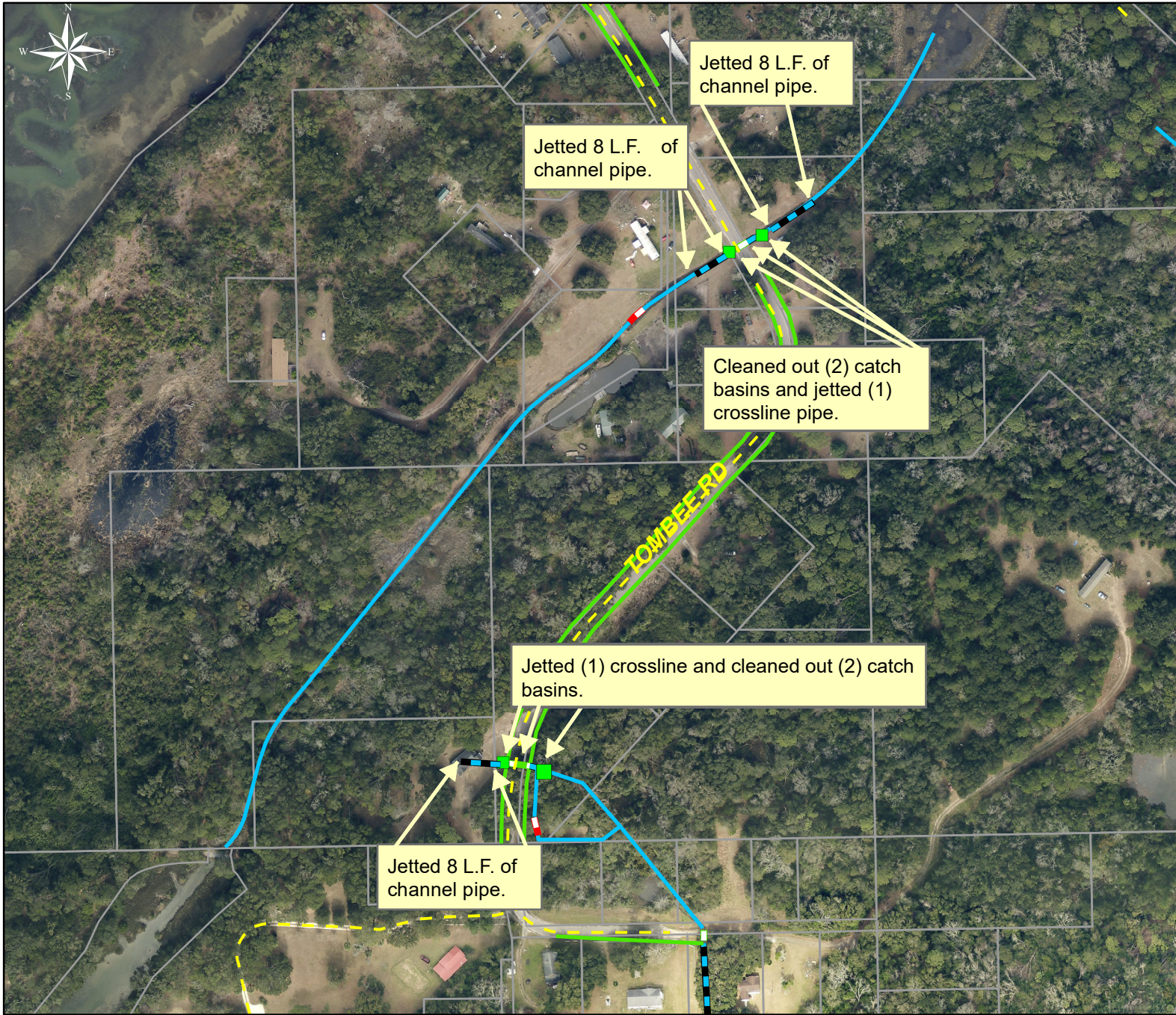


1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 3_2022-309



Project: St Helena Island Vacuum Truck Tombee Road Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2022-309

Township/SW Dist: St Helena Island/8

Completed: December 2021

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 40 80 160 240 320 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 4_2022-309



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

Activity: Routine/ Preventive Maintenance

Project #: 2022-309

Township/SW Dist: St Helena Island/8

Completed: December 2021

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: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 5_2022-309

Project: St Helena
Island Vacuum Truck
Mattis Drive
Map #6

Activity: Routine/
Preventive
Maintenance

Project #:
2022-309

Township/SW Dist:
St Helena Island/8

Completed:
December 2021



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 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 6_2022-309

Project: St Helena Island Vacuum Truck
 Mattis Drive
 Map #7

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-309

Township/SW Dist:
 St Helena Island/8

Completed:
 December 2021



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 40 80 160 240 320
 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 7_2022-309



Project: St Helena
 Island Vacuum Truck
 Levant Byas Road
 Map #8

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-309

Township/SW Dist:
 St Helena Island/8

Completed:
 December 2021

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

Jetted 192 L.F. of channel pipe
 and cleaned out (1) catch basin.



1 inch = 250 feet

Prepared By: BC Stormwater Management Utility
 Date Print: 12/08/22
 File: C:\project summaries map\St Helena Island Vac Truck Map 8_2022-309



Project: St Helena
 Island Vacuum Truck
 Capers Island Road
 Map #9

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-309

Township/SW Dist:
 St Helena Island/8

Completed:
 December 2021

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 = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 9_2022-309

Project: St Helena
 Island Vacuum Truck
 Levant Byas Road
 Map #10

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-309

Township/SW Dist:
 St Helena Island/8

Completed:
 December 2021



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 = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/08/22

File: C:\project summaries map\St Helena Island Vac Truck Map 11_2022-309



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Mt Pisgah Church Road

Activity: Routine/Preventive Maintenance

Duration: 09/08/2022 - 10/14/2022

Narrative Description of Project:

Project improved 575 L.F. of drainage system. Cleaned out 575 L.F. of roadside ditch. Jetted (2) driveway pipes and (1) crossline pipe.

2023-527 / Mt Pisgah Church Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
DPJT / Driveway Pipe - Jetted	18.00	\$507.84	\$229.92	\$130.32	\$0.00	\$233.04	\$1,101.12
HAUL / Hauling	8.00	\$276.31	\$152.48	\$108.16	\$0.00	\$170.56	\$707.51
ONJV / Onsite Job Visit	6.00	\$250.32	\$26.10	\$5.62	\$0.00	\$0.00	\$282.04
RSDCL / Roadside Ditch - Cleanout	24.00	\$758.03	\$99.21	\$25.29	\$0.00	\$467.92	\$1,350.45
UTLOC / Utility locates	1.50	\$62.58	\$0.00	\$0.00	\$0.00	\$0.00	\$62.58
Grand Total	58.50	\$1,887.82	\$507.71	\$269.39	\$0.00	\$891.73	\$3,556.65

Before



During



After





Project: Mt Pisgah Church Road Map #1

Activity: Routine/ Preventive Maintenance






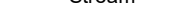
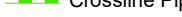



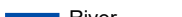


Project #: 2023-527

Township/SW Dist: Sheldon/5

Completed: October 2022

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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Prin: 12/20/22

File: C:\project summaries map\Mt Pisgah Church Road Map 1_2023-527



Project: Mt Pisgah Church Road Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2023-527

Township/SW Dist: Sheldon/5

Completed: October 2022

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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Prin: 12/20/22

File: C:\project summaries map\Mt Pisgah Church Road Map 2_2023-527



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lukes Lane

Activity: Routine/Preventive Maintenance

Duration: 08/15/2022 - 08/22/2022

Narrative Description of Project:

Project improved 160 L.F. of drainage system. Grubbed and cleared 60 L.F. of workshelf and cleaned out 100 L.F. of channel ditch. Hydroseeded for erosion control.

2023-505 /Lukes Lane

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
CCO / Channel - cleaned out	24.00	\$758.03	\$116.61	\$69.57	\$0.00	\$467.92	\$1,412.13
CGRB / Channel - grubbed	28.00	\$731.46	\$117.12	\$17.22	\$0.00	\$451.54	\$1,317.34
HAUL / Hauling	16.00	\$474.34	\$266.84	\$142.79	\$0.00	\$218.78	\$1,102.75
HYDR / Hydroseeding	12.00	\$379.02	\$269.77	\$407.47	\$0.00	\$233.96	\$1,290.22
ONJV / Onsite Job Visit	9.00	\$335.48	\$34.80	\$21.84	\$0.00	\$26.82	\$418.94
UTLOC / Utility locates	2.00	\$83.44	\$8.70	\$9.67	\$0.00	\$0.00	\$101.81
Grand Total	92.00	\$2,794.51	\$813.84	\$668.56	\$0.00	\$1,419.23	\$5,696.14

Before



During

(No Picture Available)

After



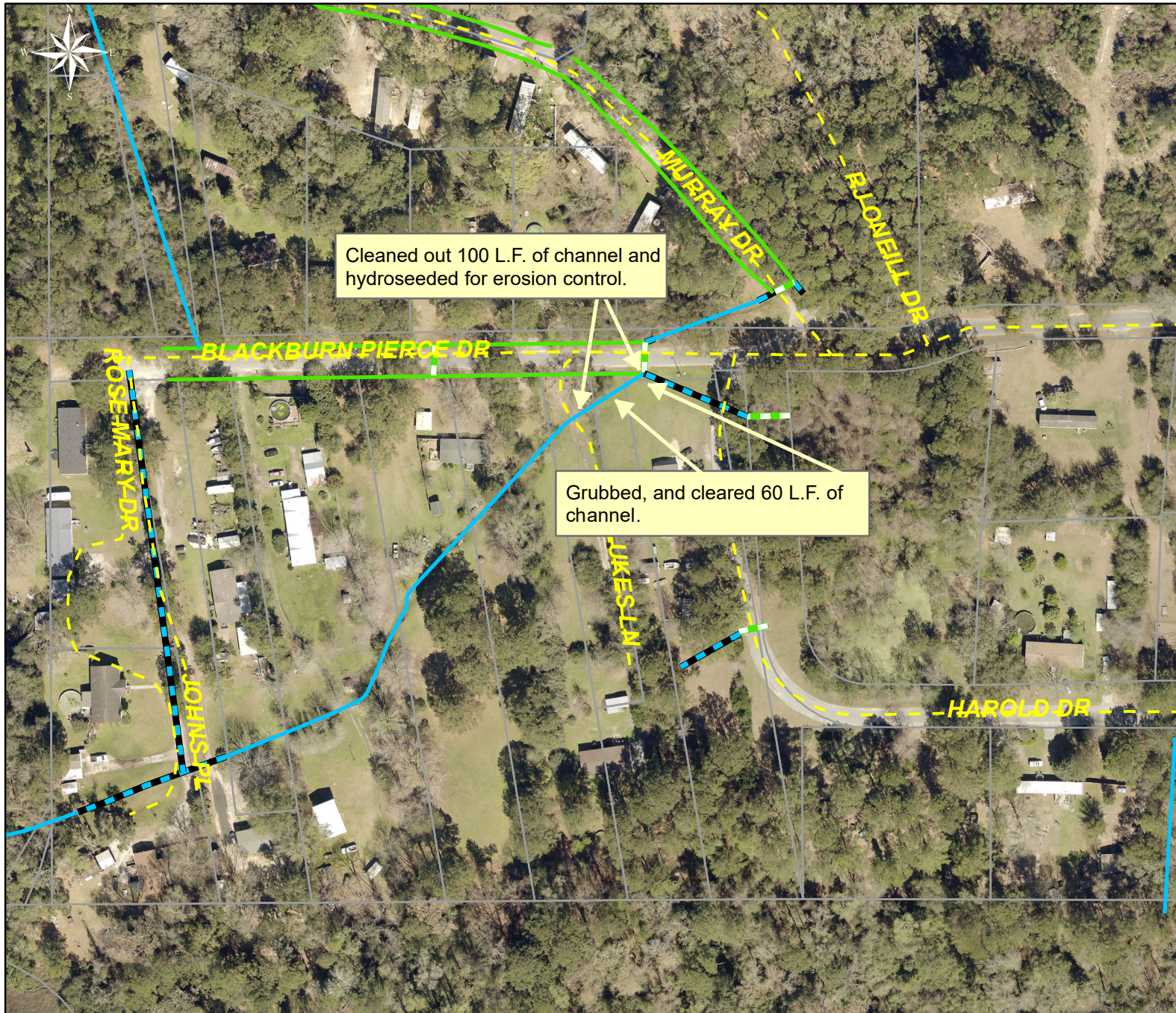
Project: Lukes Lane

Activity: Routine/
Preventive
Maintenance

Project #:
2023-505

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

Completed:
August 2022



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: 12/13/22
File: C:\project summaries map\Lukes Lane_2023-505



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Salicornia Drive

Activity: Routine/Preventive Maintenance

Duration: 08/24/2022

Narrative Description of Project:

Project improved 91 L.F. of drainage system. Cleaned out 91 L.F. of roadside ditch.

2023-511 / Salicornia Drive

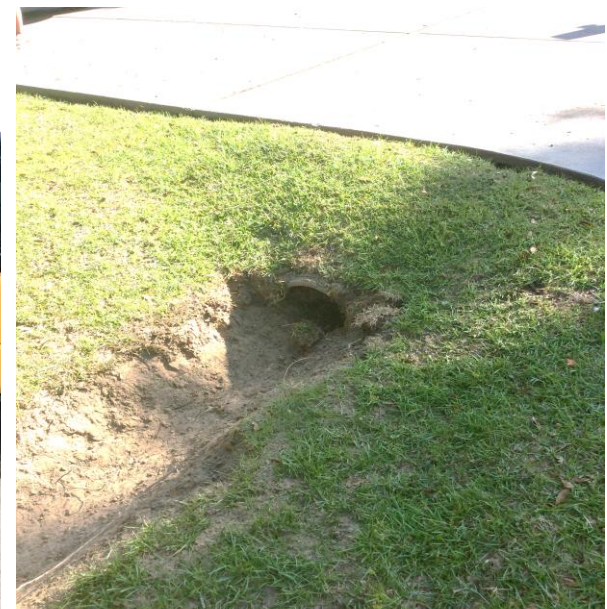
	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
HAUL / Hauling	4.00	\$119.88	\$76.24	\$55.02	\$0.00	\$0.00	\$251.14
ONJV / Onsite Job Visit	4.00	\$166.88	\$17.40	\$9.36	\$0.00	\$0.00	\$193.64
RSDCL / Roadside Ditch - Cleanout	12.00	\$381.61	\$60.34	\$23.46	\$0.00	\$235.56	\$700.97
Grand Total	20.50	\$684.74	\$153.98	\$87.84	\$0.00	\$245.67	\$1,172.22

Before

During

After

(No Picture Available)





Project: Salicornia Drive

Activity: Routine/ Preventive Maintenance

Project #: 2023-511

Township/SW Dist: Lady's Island/7

Completed: August 2022

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

Cleaned out 91 L.F. of roadside ditch.



1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/09/22

File: C:\project summaries map\Salicornia Drive_2023-511



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lucerne Avenue

Activity: Routine/Preventive Maintenance

Duration: 08/26/2022 - 08/29/2022

Narrative Description of Project:

Project improved 70 L.F. of drainage system. Cleaned out 70 L.F. of roadside ditch and jetted (2) driveway pipes.

2023-503 /Lucerne Avenue	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
DPJT / Driveway Pipe - Jetted	4.00	\$125.84	\$76.64	\$60.95	\$0.00	\$77.68	\$341.11
HAUL / Hauling	8.00	\$217.73	\$576.40	\$39.30	\$0.00	\$134.40	\$967.83
ONJV / Onsite Job Visit	5.00	\$208.60	\$21.75	\$15.60	\$0.00	\$0.00	\$245.95
RSDCL / Roadside Ditch - Cleanout	9.00	\$295.05	\$55.99	\$15.72	\$0.00	\$182.13	\$548.89
Grand Total	26.50	\$863.59	\$730.78	\$131.57	\$0.00	\$404.32	\$2,130.26

Before



During

(No Picture Available)

After



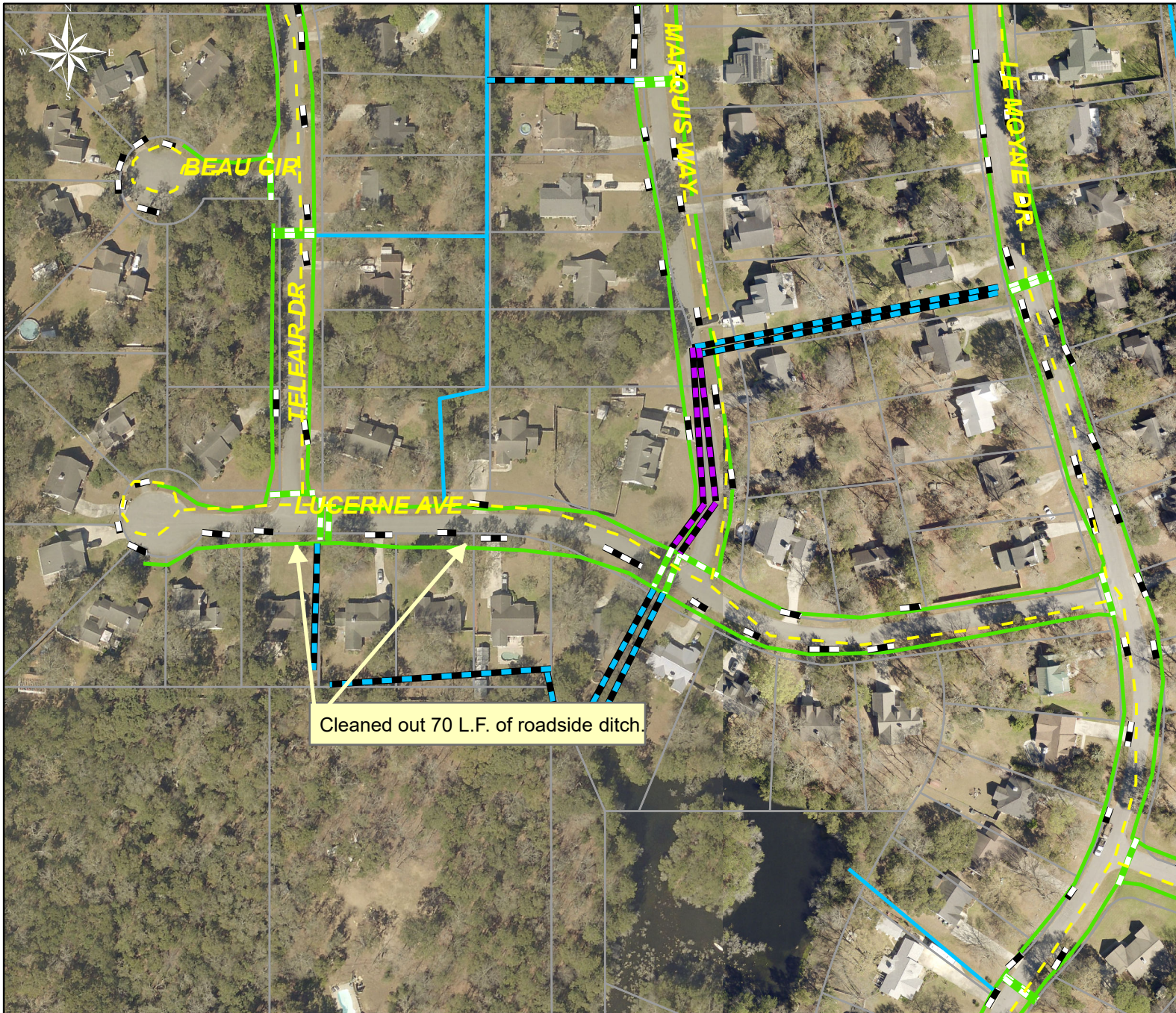
Project: Lucerne Avenue
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2023-503

Township/SW Dist:
Lady's Island/7

Completed:
August 2022



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: 12/09/22

File: C:\project summaries map\Lucerne Avenue Map 1_2023-503

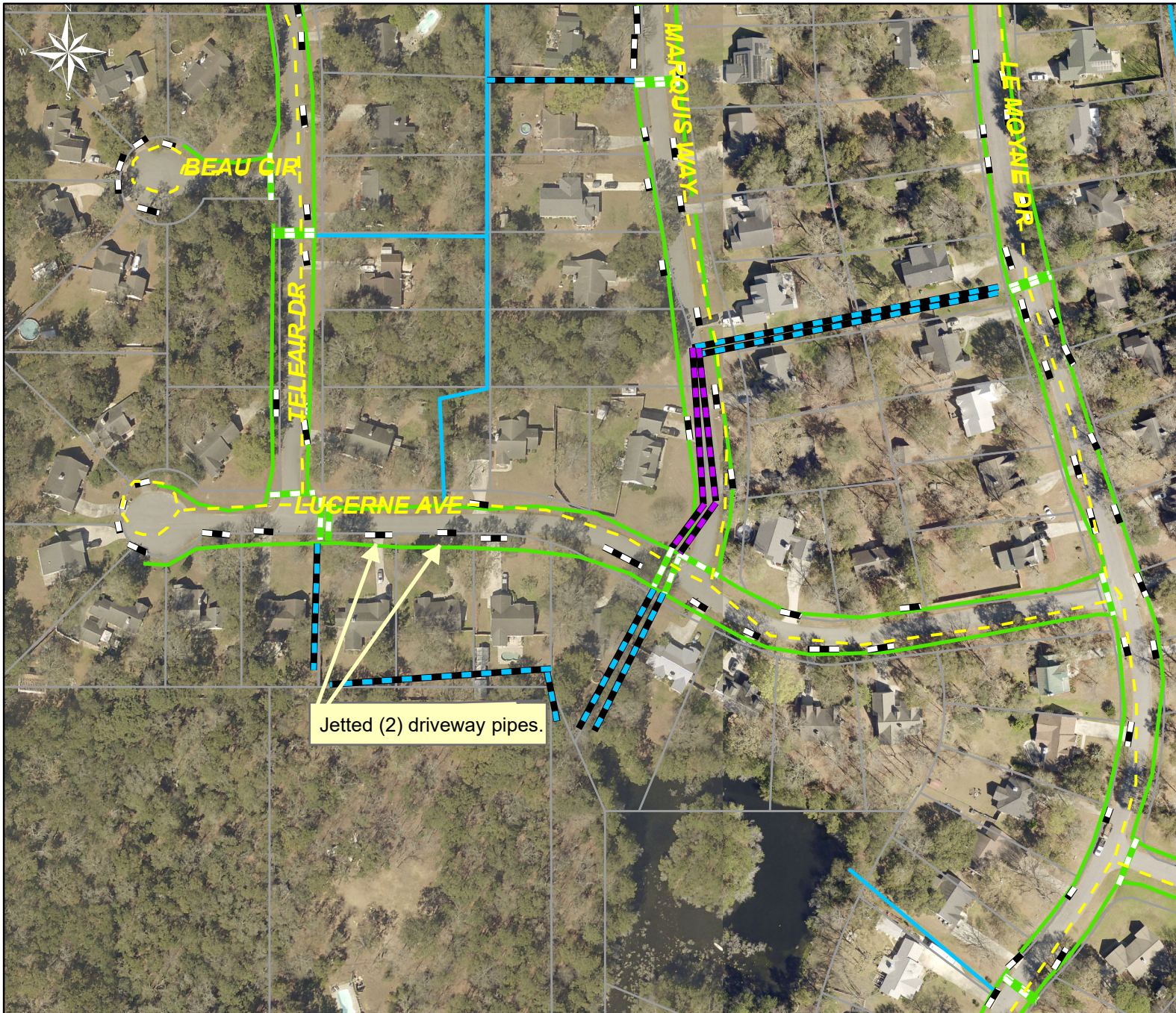
Project: Lucerne Avenue
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2023-503

Township/SW Dist:
Lady's Island/7

Completed:
August 2022



Jetted (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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/09/22

File: C:\project summaries map\Lucerne Avenue Map 2_2023-503



Beaufort County Public Works
Stormwater Infrastructure
 Project Summary

Project Summary: Alumni Road

Activity: Routine/Preventive Maintenance

Duration: 08/22/2022 - 08/30/2022

Narrative Description of Project:

Project improved 450 L.F. of drainage system. Cleaned out 450 L.F. of roadside ditch and jetting (1) access pipe and (1) driveway pipe.

2023-510 / Alumni Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
DPJT / Driveway Pipe - Jetted	8.00	\$251.68	\$153.28	\$62.95	\$0.00	\$155.36	\$623.27
ONJV / Onsite Job Visit	3.00	\$125.16	\$13.05	\$6.24	\$0.00	\$0.00	\$144.45
PA / Project Assit	24.00	\$664.85	\$34.80	\$31.44	\$0.00	\$410.40	\$1,141.49
RSDCL / Roadside Ditch - Cleanout	32.00	\$804.75	\$235.44	\$93.60	\$0.00	\$389.52	\$1,523.31
UTLOC / Utility locates	1.00	\$41.72	\$0.00	\$0.00	\$0.00	\$0.00	\$41.72
Grand Total	69.00	\$1,920.90	\$436.57	\$194.23	\$0.00	\$975.49	\$3,527.19

Before



During

(No Picture Available)

After



Project: Alumni Road
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2023-510



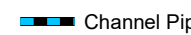
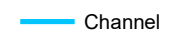




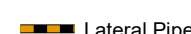

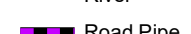
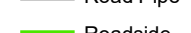
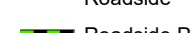
Township/SW Dist:
Lady's Island/7

Completed:
August 2022



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 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/13/22

File: C:\project summaries map\Alumni Road Map 1_2023-510

Project: Alumni Road
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2023-510














Township/SW Dist:
Lady's Island/7

Completed:
August 2022



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 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/13/22

File: C:\project summaries map\Alumni Road Map 2_2023-510



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lady's Island Valley Drains

Activity: Routine/Preventive Maintenance

Duration: 05/22/2022

Narrative Description of Project:

Project improved 3,762 L.F. of drainage system. Cleaned 3,762 L.F. of valley drains. This project consisted of the following area: Friendship Lane (3,762 L.F).

2022-313 / Lady's Island Valley Drains

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
COVID / Cleaned Out Valley Drains	16.00	\$385.04	\$128.49	\$88.76	\$0.00	\$237.68	\$839.97
HAUL / Hauling	8.00	\$244.72	\$152.48	\$42.21	\$0.00	\$151.04	\$590.45
Grand Total	24.50	\$646.13	\$280.97	\$130.97	\$0.00	\$398.83	\$1,456.90

(No Pictures Available)



Project: Lady's Island Valley Drains

Activity: Routine/
Preventive
Maintenance














Project #:
2022-313

Township/SW Dist:
Lady's Island/7

Completed:
May 2022

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 55 110 220 330 440
Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print/12/16/22

File:C:\project summaries map\Lady's Island Valley Drain_2022-313



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Sinkhole Repair
Beaufort County Administration Building Parking Lot

Activity: Routine/Preventive Maintenance
Duration: 05/26/2022

Narrative Description of Project:

Repaired a sinkhole.

2022-421A / Port Royal Island Sinkhole Repair

AUDIT / Audit Project

SR / Sinkhole repair

Grand Total

Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
15.00	\$382.95	\$38.83	\$129.41	\$0.00	\$236.40	\$787.59
15.50	\$399.32	\$38.83	\$129.41	\$0.00	\$246.51	\$814.07

Before



During



After





Project: Port Royal
Island Sinkhole
Repair

Activity: Routine/
Preventive
Maintenance

Project #:
2022-421A

Township/SW Dist:
City Of Beaufort/1

Completed:
May 2022

Legend	
Drainage Type	
Access Pipe	[Red dashed line]
Bleeder Pipe	[Purple solid line]
Channel Pipe	[Blue dashed line]
Channel	[Light blue solid line]
Stream	[Blue solid line]
Crossline Pipe	[Green dashed line]
Driveway Pipe	[Black dashed line]
Lateral	[Orange solid line]
Lateral Pipe	[Brown dashed line]
River	[Dark blue solid line]
Road Pipe	[Purple dashed line]
Roadside	[Green solid line]
Roadside Pipe	[Green dashed line]

0 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print/12/16/22

File:C:\project summaries map\Port Royal Island Washout\Sinkhole Repair_2022-421A



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Bluffton Sinkhole Repairs
 Camp St. Marys and Oscar Frazier Park.

Activity: Routine/Preventive Maintenance
Duration: 07/07/2021 - 05/04/2022

Narrative Description of Project:

Repaired (2) sinkholes.

2022-424 / Bluffton Sinkhole Repairs

AUDIT / Audit Project

HAUL / Hauling

RPWO / Repaired Washout

SR / Sinkhole repair

Grand Total

Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
4.00	\$108.88	\$76.24	\$378.62	\$0.00	\$67.20	\$630.94
24.00	\$508.81	\$34.80	\$25.30	\$0.00	\$213.12	\$782.03
40.00	\$1,117.84	\$139.27	\$132.14	\$0.00	\$459.24	\$1,848.49
68.50	\$1,751.90	\$250.31	\$536.06	\$0.00	\$749.67	\$3,287.94

(Before)

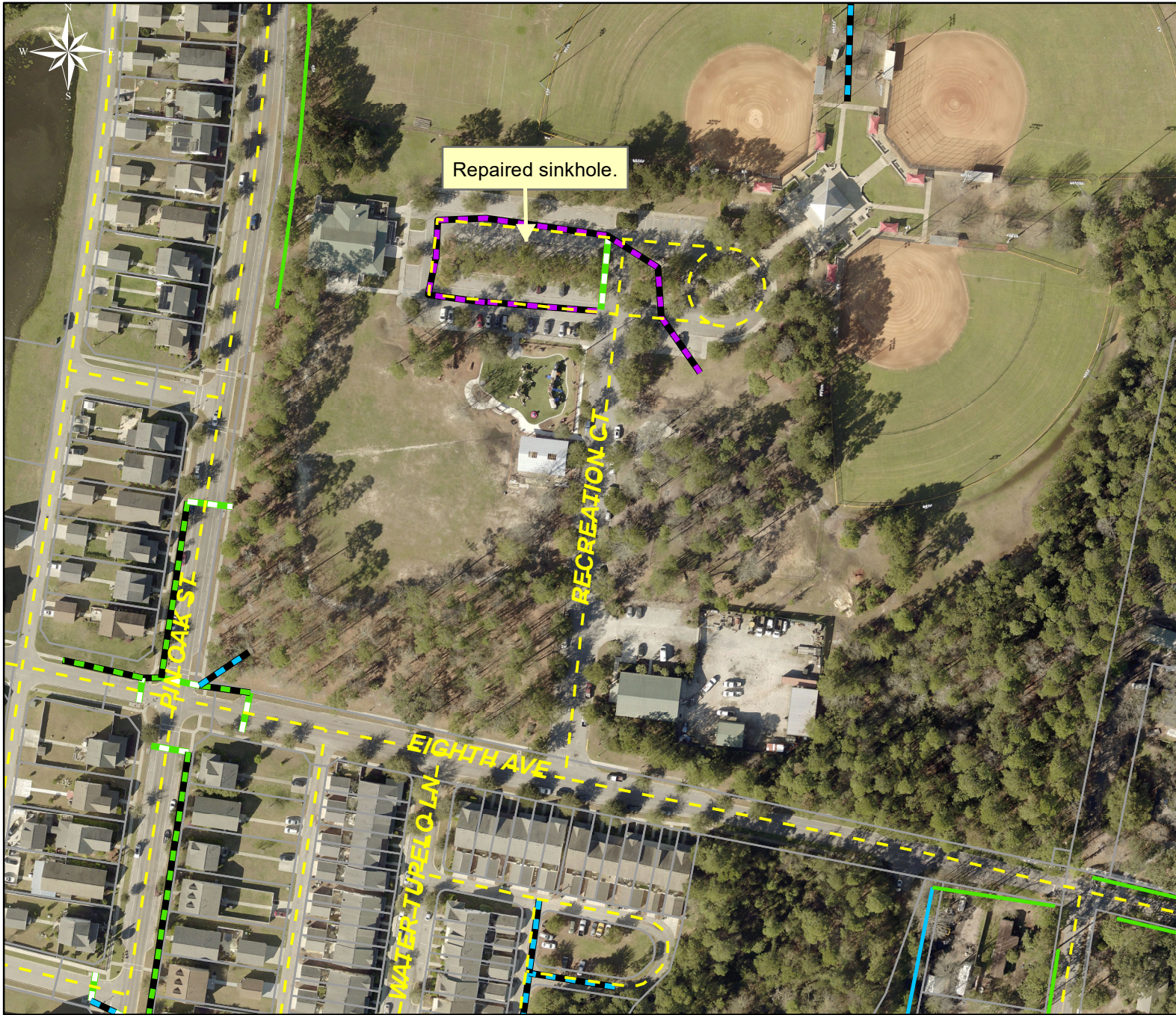


(During)

(No Pictures Available)

(After)





Project: Bluffton Sinkhole Repair - Oscar Frazier Park Map #1

Activity: Routine/ Preventive Maintenance














Project #: 2022-424

Township/SW Dist: Bluffton/4

Completed: May 2022

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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/19/22

File: C:\project summaries map\Bluffton Washout\Sinkhole Repair Map 1_2022-404



Project: Bluffton Sinkhole Repair - Camp St Marys Road Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2022-424

Township/SW Dist: Bluffton/4

Completed: May 2022

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 55 110 220 330 440 Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/19/22

File: C:\project summaries map\Bluffton Washout\Sinkhole Repair Map 2_2022-404



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Pony Avenue

Activity: Routine/Preventive Maintenance

Duration: 08/23/2022 - 09/01/2022

Narrative Description of Project:

Project improved 200 L.F. of drainage system. Cleaned out 200 L.F. of channel ditch.

2023-514 / Pony Avenue	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
CCO / Channel - cleaned out	48.00	\$1,207.12	\$227.76	\$51.96	\$0.00	\$584.28	\$2,071.12
HAUL / Hauling	8.00	\$239.76	\$152.48	\$100.50	\$0.00	\$0.00	\$492.74
ONJV / Onsite Job Visit	2.00	\$83.44	\$8.70	\$12.24	\$0.00	\$0.00	\$104.38
UTLOC / Utility locates	1.00	\$41.72	\$0.00	\$0.00	\$0.00	\$0.00	\$41.72
Grand Total	59.50	\$1,588.41	\$388.94	\$164.70	\$0.00	\$594.39	\$2,736.44

Before



During

(No Picture Available)

After





Project: Pony Avenue

Activity: Routine/
Preventive
Maintenance

Project #:
2023-514

Township/SW Dist:
Port Royal Island/9

Completed:
September 2022

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/12/16/22

File:C:\project summaries map\Pony Avenue_2023-514



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Honeysuckle Lane

Activity: Routine/Preventive Maintenance

Duration: 08/22/22 - 09/12/2022

Narrative Description of Project:

Project improved 449 L.F. of drainage system. Cleaned out 449 L.F. of roadside ditch.

2023-518 / Honeysuckle Lane	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
HAUL / Hauling	6.00	\$179.82	\$114.36	\$112.56	\$0.00	\$0.00	\$406.74
ONJV / Onsite Job Visit	2.00	\$83.44	\$8.70	\$4.32	\$0.00	\$0.00	\$96.46
RSDCL / Roadside Ditch - Cleanout	10.00	\$285.75	\$147.15	\$172.50	\$0.00	\$176.40	\$781.80
UTLOC / Utility locates	0.50	\$20.86	\$0.00	\$0.00	\$0.00	\$0.00	\$20.86
Grand Total	19.00	\$586.24	\$270.21	\$289.38	\$0.00	\$186.51	\$1,332.33

Before



During



After

(No Picture Available)

Project: Honeysuckle Lane

Activity: Routine/
Preventive
Maintenance

Project #:
2023-518














Township/SW Dist:
Lady's Island/7

Completed:
September 2022



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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/14/22

File: C:\project summaries map\Honeysuckle Lane_2023-518



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lost Island Road

Activity: Routine/Preventive Maintenance

Duration: 08/22/2022 - 09/13/2022

Narrative Description of Project:

Project improved 40 L.F. of drainage system. Cleaned out 40 L.F. of roadside ditch and jetted (3) driveways.

2023-513 / Lost Island Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
DPJT / Driveway Pipe - Jetted	6.00	\$169.28	\$76.64	\$43.20	\$0.00	\$77.68	\$366.80
HAUL / Hauling	4.00	\$119.88	\$76.24	\$55.02	\$0.00	\$0.00	\$251.14
ONJV / Onsite Job Visit	2.00	\$83.44	\$8.70	\$6.24	\$0.00	\$0.00	\$98.38
RSDCL / Roadside Ditch - Cleanout	16.00	\$402.37	\$92.64	\$20.28	\$0.00	\$194.76	\$710.05
UTLOC / Utility locates	0.50	\$20.86	\$0.00	\$0.00	\$0.00	\$0.00	\$20.86
Grand Total	29.00	\$812.20	\$254.22	\$124.74	\$0.00	\$282.55	\$1,473.71

Before

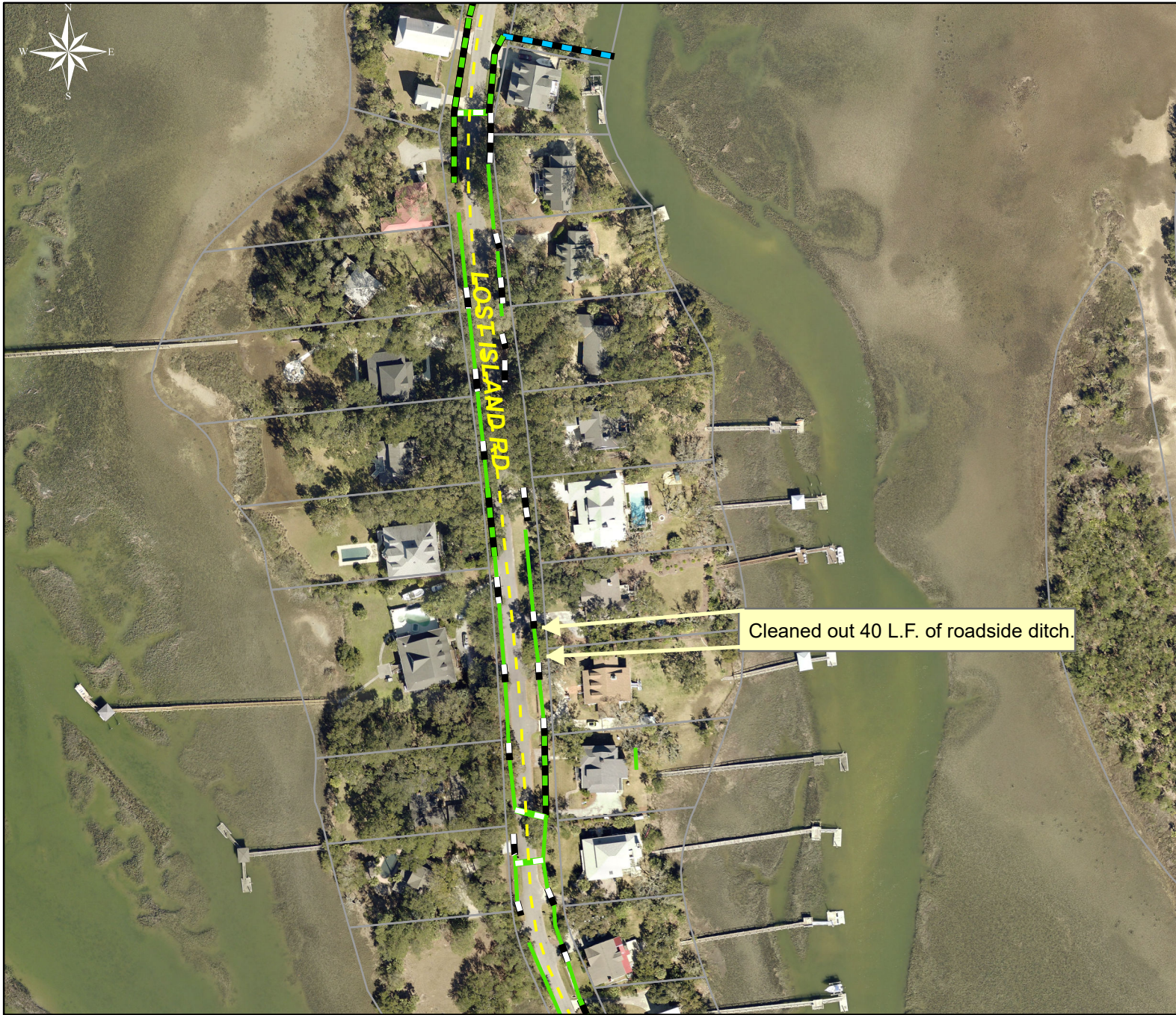
During

After

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(No Picture Available)





Project: Lost Island Road
Map #1

Activity: Routine/
Preventive
Maintenance










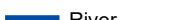



Project #:
2023-513

Township/SW Dist:
Lady's Island/7

Completed:
September 2022

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 = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print/12/16/22

File:C:\project summaries map\Lost Island Road Map 1_2023-513



Project: Lost Island Road
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2023-513

Township/SW Dist:
Lady's Island/7

Completed:
September 2022

Legend

Drainage Type

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

Jetted (3) driveway pipes.

0 25 50 100 150 200
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print/12/16/22

File:C:\project summaries map\Lost Island Road Map 2_2023-513



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Laughing Gull Drive

Activity: Routine/Preventive Maintenance

Duration: 08/23/2022 - 09/21/2022

Narrative Description of Project:

Project improved 60 L.F. of drainage system. Cleaned out 60 L.F. of roadside ditch and jetted (1) driveway.

2023-519 / Laughing Gull Drive	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
DPJT / Driveway Pipe - Jetted	6.00	\$169.28	\$76.64	\$55.26	\$0.00	\$77.68	\$378.86
HAUL / Hauling	2.00	\$59.94	\$38.12	\$40.20	\$0.00	\$0.00	\$138.26
ONJV / Onsite Job Visit	2.00	\$83.44	\$8.70	\$4.32	\$0.00	\$0.00	\$96.46
RSDCL / Roadside Ditch - Cleanout	6.00	\$171.45	\$88.29	\$15.54	\$0.00	\$105.84	\$381.12
UTLOC / Utility locates	0.50	\$20.86	\$0.00	\$0.00	\$0.00	\$0.00	\$20.86
Grand Total	17.00	\$521.34	\$211.75	\$115.32	\$0.00	\$193.63	\$1,042.03

Before



During

(No Picture Available)

After





Project: Laughing Gull Drive
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2023-519

Township/SW Dist:
Lady's Island/7

Completed:
September 2022

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/12/16/22
File:C:\project summaries map\Laughing Gull Drive Map 1_2023-519



Project: Laughing Gull Drive Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2023-519

Township/SW Dist: Lady's Island/7

Completed: September 2022

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/12/16/22
 File:C:\project summaries map\Laughing Gull Drive Map 2_2023-519



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Capehart Circle

Activity: Routine/Preventive Maintenance

Duration: 08/23/2022 - 09/08/2022

Narrative Description of Project:

Project improved 1,313 L.F. of drainage system. Cleaned out 1,170 L.F. of roadside ditch and 143 L.F. of channel ditch. Jetted (2) driveway pipes and (1) crossline pipe.

2023-515 / Capehart Circle	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
CCO / Channel - cleaned out	32.00	\$804.75	\$235.44	\$52.92	\$0.00	\$389.52	\$1,482.63
DPJT / Driveway Pipe - Jetted	12.00	\$338.56	\$76.64	\$59.76	\$0.00	\$155.36	\$630.32
HAUL / Hauling	26.00	\$766.33	\$495.56	\$4.02	\$0.00	\$177.04	\$1,442.95
ONJV / Onsite Job Visit	18.00	\$750.96	\$78.30	\$23.04	\$0.00	\$0.00	\$852.30
RSDCL / Roadside Ditch - Cleanout	64.00	\$1,609.50	\$370.56	\$85.14	\$0.00	\$779.04	\$2,844.24
SD / Soft Digging	16.00	\$457.20	\$34.80	\$17.28	\$0.00	\$174.96	\$684.24
UTLOC / Utility locates	0.50	\$20.86	\$0.00	\$0.00	\$0.00	\$0.00	\$20.86
Grand Total	169.00	\$4,764.52	\$1,291.30	\$242.16	\$0.00	\$1,686.03	\$7,984.01

Before

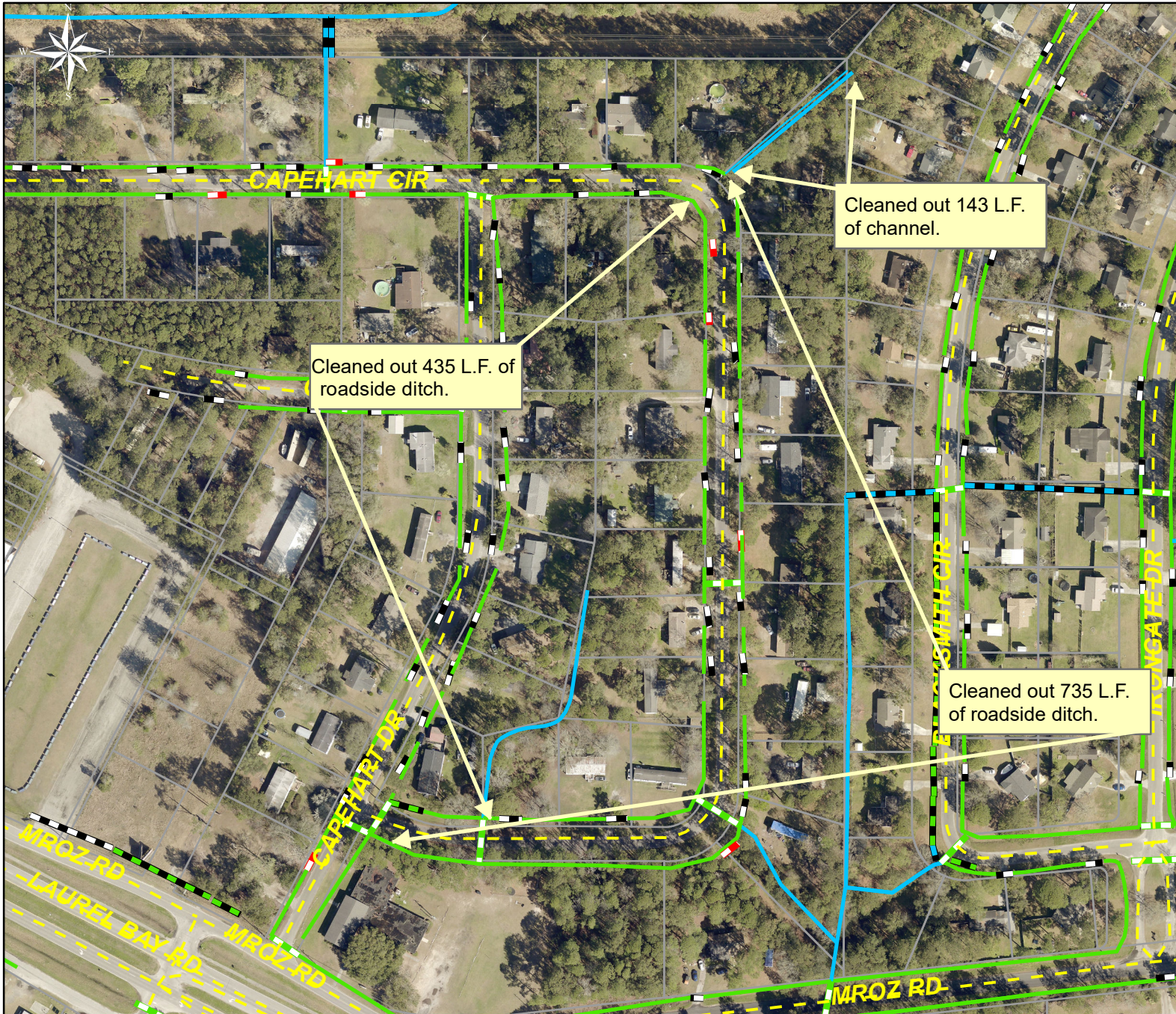


During

(No Picture Available)

After





Project: Capehart Circle
Map #1

Activity: Routine/
Preventive
Maintenance



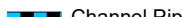
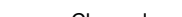


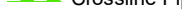






Project #:
2023-515

Township/SW Dist:
Port Royal Island/9

Completed:
September 2022

Legend

Drainage Type

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

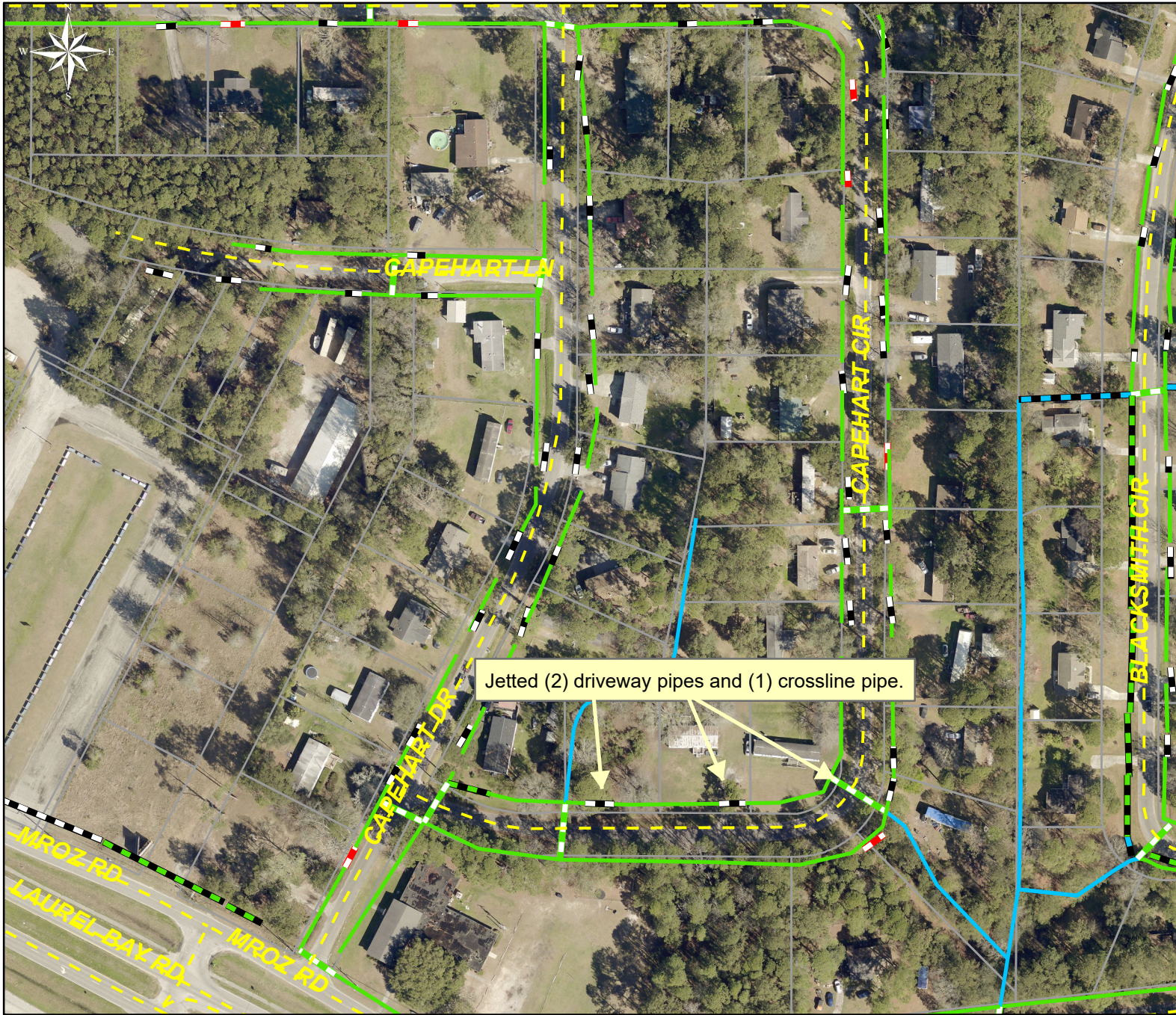
0 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print/12/16/22

File:C:\project summaries map\Capehart Circle Map 1_2023-515



Project: Capehart Circle
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2023-515

Township/SW Dist:
Port Royal Island/9

Completed:
September 2022

Legend

Drainage Type

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

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

0 25 50 100 150 200
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Prin: 12/20/22

File: C:\project summaries map\Capehart Circle Map 2_2023-515



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Cypress Street

Activity: Routine/Preventive Maintenance

Duration: 08/11/2022 - 09/27/2022

Narrative Description of Project:

Project improved 143 L.F. of drainage system. Grubbed and cleared 143 L.F. of workshelf and cleaned out 143 L.F. of channel. Handseeded for erosion control.

2023-504 / Cypress Street	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
CCO / Channel - cleaned out	32.00	\$824.00	\$134.01	\$26.64	\$0.00	\$294.08	\$1,278.73
GACA / Grubbed and Cleared	32.00	\$824.00	\$155.48	\$122.73	\$0.00	\$294.08	\$1,396.29
HAND / HANDSEEDED	12.00	\$333.88	\$34.80	\$338.84	\$0.00	\$98.84	\$806.36
HAUL / Hauling	12.00	\$458.40	\$228.72	\$208.14	\$0.00	\$282.96	\$1,178.22
NONPRO / Non-Professional Services	0.00	\$0.00	\$0.00	\$0.00	\$2,432.00	\$0.00	\$2,432.00
Grand Total	89.00	\$2,473.02	\$553.01	\$696.35	\$2,432.00	\$990.17	\$7,144.55

(No Pictures Available)



Grubbed and cleared 143 L.F. of workshelf and cleaned out 143 L.F. of channel. Handseeded for erosion control.

Project: Cypress Street

Activity: Routine/ Preventive Maintenance














Project #: 2022-504

Township/SW Dist: Port Royal Island/6

Completed: September 2022

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/12/16/22
 File:C:\project summaries map\Cypress Street_2023-504



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Walking Horse Street

Activity: Routine/Preventive Maintenance

Duration: 09/20/2022 - 10/10/2022

Narrative Description of Project:

Project improved 50 L.F. of drainage system. Cleaned out 50 L.F. of roadside ditch.

2023-531 / Walking Horse Street	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
HAUL / Hauling	16.00	\$523.20	\$154.00	\$257.92	\$0.00	\$174.96	\$1,110.08
RSDCL / Roadside Ditch - Cleanout	16.00	\$574.96	\$126.03	\$68.57	\$0.00	\$321.84	\$1,091.40
UTLOC / Utility locates	0.50	\$20.86	\$0.00	\$0.00	\$0.00	\$0.00	\$20.86
Grand Total	33.00	\$1,135.39	\$280.03	\$326.49	\$0.00	\$506.91	\$2,248.82

(No Pictures Available)



Project: Walking Horse Street

Activity: Routine/ Preventive Maintenance

Project #: 2023-531

Township/SW Dist: Hilton Head Island/3

Completed: October 2022

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 10 20 40 60 80 Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/19/22

File: C:\project summaries map\Walking Horse Street_2023-531



Beaufort County Public Works
Stormwater Infrastructure
 Project Summary

Project Summary: Bryant Road

Activity: Routine/Preventive Maintenance

Duration: 09/15/2022 - 10/14/2022

Narrative Description of Project:

Project improved 820 L.F. of drainage system. Cleaned out 820 L.F. of roadside ditch. Jetted (10) driveway pipes and (1) crossline pipe.

2023-517 / Bryant Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	2.00	\$65.48	\$0.00	\$0.00	\$0.00	\$40.42	\$105.90
DPJT / Driveway Pipe - Jetted	56.00	\$1,761.78	\$1,194.76	\$588.14	\$0.00	\$1,087.52	\$4,632.20
HAUL / Hauling	24.00	\$697.28	\$881.36	\$112.56	\$0.00	\$134.40	\$1,825.60
ONJV / Onsite Job Visit	17.00	\$709.24	\$73.95	\$46.08	\$0.00	\$0.00	\$829.27
PA / Project Assit	16.00	\$376.20	\$34.80	\$32.16	\$0.00	\$124.96	\$568.12
RSDCL / Roadside Ditch - Cleanout	88.00	\$2,213.06	\$496.98	\$212.82	\$0.00	\$1,071.18	\$3,994.04
UTLOC / Utility locates	0.50	\$20.86	\$0.00	\$0.00	\$0.00	\$0.00	\$20.86
Grand Total	203.50	\$5,843.90	\$2,681.85	\$991.76	\$0.00	\$2,458.48	\$11,975.99

Before



During



After

(No Picture Available)



Project: Bryant Road
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2023-517

Township/SW Dist:
Hilton Head Island/3

Completed:
October 2022

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 75 100
Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/20/22

File: C:\project summaries map\Bryant road Map 1_2023-517



Project: Bryant Road
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2023-517

Township/SW Dist:
Hilton Head Island/3

Completed:
October 2022

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 Prin: 12/20/22

File: C:\project summaries map\Bryand Road Map 2_2023-517



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Thomas Cohen Drive

Activity: Routine/Preventive Maintenance

Duration: 09/06/2022 - 10/19/2022

Narrative Description of Project:

Project improved 818 L.F. of drainage system. Cleaned out 818 L.F. of roadside ditch. Jetted (7) driveway pipes and (1) crossline pipe.

2023-520 / Thomas Cohen Drive	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
DPJT / Driveway Pipe - Jetted	24.00	\$755.05	\$512.04	\$202.86	\$0.00	\$466.08	\$1,936.03
HAUL / Hauling	12.00	\$359.64	\$228.72	\$245.22	\$0.00	\$0.00	\$833.58
ONJV / Onsite Job Visit	5.00	\$208.60	\$21.75	\$14.40	\$0.00	\$0.00	\$244.75
RSDCL / Roadside Ditch - Cleanout	72.00	\$1,810.68	\$404.34	\$146.10	\$0.00	\$876.42	\$3,237.54
UTLOC / Utility locates	2.00	\$83.44	\$4.35	\$5.76	\$0.00	\$0.00	\$93.55
Grand Total	116.00	\$3,250.15	\$1,171.20	\$614.34	\$0.00	\$1,362.71	\$6,398.40

(No Pictures Available)



Project: Thomas
Cohen Drive
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2023-520

Township/SW Dist:
Hilton Head Island/3

Completed:
October 2022

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 = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/20/22

File: C:\project summaries map\Thomas Cohen Drive Map 1_2023-520



Project: Thomas Cohen Drive
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2023-520

Township/SW Dist:
Hilton Head Island/3

Completed:
October 2022

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: 12/20/22

File: C:\project summaries map\Thomas Cohen Drive Map 2_2023-520



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Priester Road

Activity: Routine/Preventive Maintenance

Duration: 08/03/2022 - 08/08/2022

Narrative Description of Project:

Extended (1) driveway pipe and installed rip rap for erosion control.

2023-500 / Priester Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
DPEX / Driveway Pipe - Extended	12.00	\$338.56	\$60.34	\$272.67	\$0.00	\$209.00	\$880.57
HAUL / Hauling	16.00	\$460.00	\$304.96	\$1,141.29	\$0.00	\$209.92	\$2,116.17
ONJV / Onsite Job Visit	4.00	\$166.88	\$17.40	\$18.72	\$0.00	\$0.00	\$203.00
RRI / Rip Rap - Installed	8.00	\$270.04	\$17.40	\$31.24	\$0.00	\$166.68	\$485.36
Grand Total	41.00	\$1,268.22	\$400.10	\$1,463.92	\$0.00	\$605.81	\$3,738.05

Before

During

After

(No Picture Available)

(No Picture Available)





Project: Priestester Road

Activity: Routine/ Preventive Maintenance














Project #: 2023-500

Township/SW Dist: Sheldon/5

Completed: August 2022

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: 12/09/22

File: C:\project summaries map\Priester Road_2023-500

TOWN COUNCIL



STAFF REPORT

Projects and Watershed Resilience Department

MEETING DATE:	January 10, 2023
SUBJECT:	Projects and Watershed Resilience Department Monthly Report
PROJECT MANAGER:	Kimberly Washok-Jones, Director of Projects and Watershed Resilience

CAPITAL IMPROVEMENTS PROGRAM (CIP) AND SPECIAL PROJECTS UPDATE

PATHWAYS

1. Goethe-Shults Sidewalks Phase 2

- Construction of sidewalks and as-built drawings are complete.
- **Next Steps**
 - Finalize SCDOT closeout. Complete additional services to clean up ditches and outfall along Shults Road.

2. Buck Island-Simmons ville Neighborhood Sidewalks and Lighting

- Phase 5 street lighting easement acquisition process is underway. Obtained Just Compensation approval at November Town Council meeting to begin condemnation.
- Phase 6A along Simmons ville Road from Grayco northward to Sugaree Drive is complete and waiting on DOT closeout.
- Phase 6B along Simmons ville Road from Sugaree Drive northward to the existing New Mustang Road: Engineering design and permitting for this final sidewalk phase is complete. Bid solicitation closed 10/18/22 with no bids received. Per procurement protocol, obtaining direct quotes from Gordian and additional contractors.
- **Next Steps**
 - Prepare and obtain streetlight easements and begin condemnation process for remaining Phase 5 street lighting easements.
 - Obtain SCDOT Permit Closeout for Phase 6A sidewalks.
 - Complete Phase 6B contractor procurement.
 - Construction of the remaining Simmons ville Road sidewalks and lighting to be completed in FY 2023.

3. New River Linear Trail

- Conceptual Master Plan is complete.
- Executed PO with Barrier Island Engineering for Phase 1 Engineering Design.
- Prepared draft PARD application for a restroom facility at the New River Trail Park. Submitted request to Bill Herbkersman to solicit support from the Beaufort County Delegation.

- **Next Steps**
 - Continue engineering design for Phase 1 pathway (New River to Hwy 46).
 - Research grant opportunities to fund planning and construction of future trail improvements.
 - Submit plans to Santee Cooper for cursory review and cost share for bridge replacements.
 - Begin discussions with Heritage at New Riverside for easement required for encroachments near the Hwy 46 overpass.

SEWER & STORMWATER

1. **Buck Island-Simmons ville Sewer (Phases 5A-D)**
 - Construction has been halted on Phases 5A-D by BJWSA due to the contractor under-performing their job duties. Engineer has started closeout phase for what has been installed to date.
 - The engineer has provided BJWSA construction documentation to complete the project.
 - **Next Steps**
 - Anticipate posting solicitation in January for approval by Council 2/14/2023.
2. **Historic District Sewer Extension Phase 2 - Bridge Street**
 - Received SCDHEC permit to construct for original scope.
 - No contractors responded to the first construction solicitation. Working on a redesign option to avoid extremely long bore.
 - Received Quit Claim Deeds from all the property owners along the ghost road.
 - Obtained road ownership from SCDOT.
 - **Next Steps**
 - Readvertise project for bid in conjunction with Historic District Sewer Extension Phase 3. Bids due 1/17/23.
3. **Historic District Sewer Extension Phases 3 through 6 – Colcock, Lawrence, Green and Water Streets**
 - Received initial design for Phases 4, 5, & 6 and reviewed with the engineer.
 - Submitted Phase 3 for permitting to be bid with Phase 2.
 - **Next Step**
 - Review Phases 4, 5, & 6 design changes to drawings.
 - Obtain Quit Claim Deeds from all the property owners along the ghost roads.
4. **May River Watershed Action Plan Impervious Restoration Water Quality Projects**
5. **Buck Island Drainage Improvements**
 - A contract was executed on 11/18/22.
 - **Next Steps**
 - Construction will be substantially complete between Christmas and New Year's.

HISTORIC DISTRICT IMPROVEMENTS

1. Boundary Street Lighting

- Phase 2 photometric plans, encroachment permits and lighting agreements are complete and approved.
- SCDOT and Dominion indicated poles must be installed on private property due to conflicts with sewer force main and communication utilities within the right of way. Easements must now be obtained to install Phase 2 lighting.
- **Next Steps**
 - Install streetlights on the west side of the street in FY 2023. Coordinate conduit and light installation for the east side of the street in conjunction with larger streetscape project.
 - Obtain easements as needed for Phase 2 street lighting.

2. Squire Pope Carriage House Preservation

- Initial \$215,000.00 ATAX funding was approved in March 2022. A second \$457,026.00 ATAX funding request was recommended for approval by the ATAX committee on 11/15/22.
- Stabilization has been completed.
- Contract with Huss Inc. has been executed.
- **Next Steps**
 - Schedule a kickoff meeting with Huss Inc. and begin construction on 1/9/23.
 - Construction groundbreaking is scheduled for 2/2/23.

3. Bridge Street Streetscape

- Issued Notice to Proceed for Phase I construction to start 12/5/22.
- Obtained survey proposal for Phase II streetscape project.
- **Next Steps**
 - Continue construction of Phase I and complete in Summer 2023.
 - Obtain engineering proposal and begin Phase II design.

4. Boundary Street Streetscape

- Engineering Design is 70% complete and submitted to Watershed for stormwater for initial review.
- **Next Steps**
 - Continue with Engineering Design and Permitting.
 - Obtain easement exhibits and begin appraisals in FY 2023.

5. Calhoun Street Streetscape

- Surveying is complete and engineering design underway. Met with Engineers to obtain new project schedule to expedite progress
- Preliminary evaluation and recommendations for existing storm outfall pipes are complete.
- **Next Steps**
 - Continue engineering design into FY 2023.
 - Prepare easement acquisition plats for Phase 1 in March 2023.

- Phased construction is planned to begin in FY 2024-2025 pending budget approval.

6. **Pathway Pedestrian Safety Improvements**

- Completed Historic District crosswalk study identifying and prioritizing future intersection/crosswalk improvements to meet ADA compliance.
- **Next Steps**
 - Construction of Phase 1 ADA sidewalk improvements along Goethe Road are underway.

7. **Historic District Comprehensive Drainage Plan Improvements**

- Review of Phase 1 updated asset inventory and condition assessment information is complete.
- 2D H/H model development near completion.
- Tidal Gauge information at Calhoun St Dock being gathered through 2022.
- **Next Steps**
 - Review 2D H/H model development results and area of inundation, choke points and establish maintenance and project needs to reduce flooding.

8. **Pritchard Street Drainage Improvements**

- Cranston Engineering submitted 70% design submission.
- 319 Grant Award of \$124,577.00 received and pending execution.
- Barrier Island Engineering performing completed 3rd party evaluation of drainage claims and complaints associated with 40 Pritchard Street. Meeting held with Mr. Berlin and all stakeholders to discuss findings and next steps. Concept plan of potential on-site drainage improvements that can be performed by the homeowner to reduce the risk of flooding for his property being developed.
- Emergency procurement for construction of interim solution approved and construction completed. Project in Close out phase.
- **Next Steps**
 - Coordinate approval for proposed improvements with Beaufort County School District.
 - Complete 70% design submission review.
 - Internal discussions for Final project scope and potential Streetscape elements to be held and finalized.

PARK DEVELOPMENT

1. **Oyster Factory Park**

- Executed contract with JS Construction for parking expansion.
- Executed Task Authorization with Witmer, Jones, Keefer for design of the event area.

- **Next Steps**
 - Begin construction of parking area in January 2023.
 - Design of Phase 3 signage for Garvin/Garvey house underway. Signage and exhibits to be complete in February 2023.
 - Begin design of Oyster Factory Park cookout area in FY 2023.
- 2. Oscar Frazier Park**
- FY 2022 Improvements and maintenance complete.
 - Began design of FY 2023 improvements including hardscape near the Rotary Center, sport courts and splash pad.
 - Submitted conceptual plans at Quarterly Workshop and obtained Town Council input.
 - Sent sport court alternatives to Bluffton Park HOA for review and selection of preferred option.
 - **Next Steps**
 - Complete conceptual designs of hardscape plans and bid in the Spring 2023.
 - Complete design of splash pad in FY 2023.
- 3. New Riverside Barn/Park**
- A \$500,000.00 grant was approved for partial funding of the initial phase of the project.
 - Engineering design, permitting and bidding of phase 1 site development is complete.
 - Construction documents for the restroom building are complete.
 - Executed contract for architectural design services for the Barn additions.
 - Executed phase 1 Site Development contract with JS Construction.
 - Executed contract with Wood & Partners for playground design services.
 - **Next Steps**
 - Continue architectural design of barn addition.
 - Begin design of playground area in FY 2023.
 - Begin construction of Phase 1 Site Development Infrastructure in January 2023.
- 4. May River Road Pocket Park**
- **Next Steps**
 - Project complete.
- 5. Miscellaneous Park Improvements**
- Began design and cost estimating of playground improvements at DuBois Park.
 - **Next Steps**
 - Presented proposed DuBois Park playground improvements at the October Workshop and TC requested staff to explore additional playground equipment alternatives. Continue with the design of FY 2023 playground improvements.

TOWN FACILITIES AND MISCELLANEOUS PLANNING

1. Rotary Community Center Facility Improvements

- Completed floor replacement in August 2022.
- **Next Steps**
 - Request funding for floor/crawl space insulation replacement and interior trim work in FY 2024.

2. Town of Bluffton Housing Projects

- **Next Steps**
 - Provide financial assistance to joint venture partner for planning, design and permitting of Affordable/Workforce Housing at 1095 May River Road.

3. Law Enforcement Center Facility Improvements

- Initial scope of work of the parking/service yard, and covered sheds are complete.
- Design for the challenge course and reflection plaza are complete.
- Reflection Plaza construction is complete.
- **Next Steps**
 - Reflection Plaza dedication ceremony on 1/12/23.
 - Set pre-construction meeting with The Greenery for the challenge course.

4. Sarah Riley Hooks Cottage

- Obtained proposal from JK Tiller for master planning services.
- Prepared questionnaire for stakeholder input and distributed at the Art and Seafood Festival. Post questionnaire on the TOB web site to obtain additional stakeholder input.
- Obtained Structural Assessment Report from Meadors Inc. to determine feasibility of the cottage.
- **Next Steps**
 - Complete Master Plan and continue obtaining public input for potential uses for the park.
 - Submit Structural Assessment Report to Town Council for review and further direction.

5. Ghost Roads

- Surveying and easement exhibits are complete.
- Bridge Street Quit Claim Deeds are complete. Pritchard and Colcock Streets Quit Claim Deeds are 95% complete. Staff is currently working with Lawrence, Lawton, Green Pope, Allen and Water Street property owners to obtain Quit Claim Deeds.
- Staff continues to meet with property owners to raise awareness of the acquisition efforts and communicate next steps.
- Obtained RFQu solicitation responses and selected Easement Acquisition Consultants to assist with Ghost Roads.

- **Next Steps**
 - Obtain remaining Quit Claim Deeds documentation from legal and continue meeting with property owners.
 - Execute MSAs with Easement Acquisition Consultants to begin work.
6. **Document Management**
- RFP contract was awarded in March 2022.
 - Electronic Document Management system is live.
 - **Next Steps:**
 - Historical documents began being moved in July, 2022 and continue through FY 2024.
7. **Network Infrastructure**
- Replaced core switches at Town Hall and the Law Enforcement Center.
 - Replaced two VMWare hosts for a more stable server environment.
 - **Next Steps:**
 - Replace phone system to a more modern system.
 - Replacing two more VMWare hosts.
 - Migrate Munis and Energov systems to a hosted environment.

WATERSHED MANAGEMENT

1. **Stoney Creek/Palmetto Bluff Sewer Partnership**
- 2022 updated cost-estimate for the project from BJWSA is \$7.2 million + contingencies. BJWSA has agreed to be the Project Manager.
 - Completed DRAFT RIA SCIPP application in support of Stoney Creek/Palmetto Bluff Sewer Extension with BJWSA and Beaufort County. Obtained letters from governmental agencies and stakeholders in support of the application.
 - **Next Steps**
 - Await notification of grant application. Anticipated in January/February of 2023.
 - Procurement staff is developing a 3-party partnership to execute the project.
 - BJWSA to procure design engineer through existing MSAs.
2. **SC Department of Health and Environmental Control May River Shellfish Harvesting Monitoring Data Year-to-Date and May River Shellfish Harvesting Status Exhibit – *Attachments 1 and 1a***
3. **May River Watershed Action Plan Implementation Summary - *Attachment 2***
- Staff collected fifty-two (52) water quality samples from the Action Plan Update and Model Report study area and the Bluffton Historic District on 12/05/22 and 12/06/22.
 - The Town received a quote from SonTek that includes telemetry equipment, benchmarking, and SonTek installation services. The Town is moving forward with

procurement of goods and services and installation is anticipated in January-February 2023.

- Staff deployed a HOBO-U20 water level logger at the Calhoun Street to collect tidal elevation data through the remainder of 2022. The next King Tide is predicted to occur 12/23/22-12/25/22.
4. **Municipal Separate Storm Sewer System (MS4) Program Update**
 - The Town is drafting its MS4 Annual Report as required by SCDHEC.
 5. **MS4 Minimum Control Measure (MCM) - #1 Public Education and Outreach, and MS4 MCM - #2 Public Participation and Involvement**
 - The May River Watershed Action Plan Advisory Committee meeting is scheduled for 01/23/22. **Attachment 3**
 6. **MS4 MCM – #3 Illicit Discharge Detection and Elimination**
 - Stormwater Infrastructure Inventory Map - **Attachment 4a**
 - *E. coli* Concentrations Trend Map - **Attachment 4b**
 - Monthly, Microbial Source Tracking (MST) Maps - **Attachments 4c and 4d**
 - SC Department of Health and Environmental Control (SCDHEC) collects MST samples for the Town concurrently with their routine shellfish harvesting water quality sampling at stations 19-19, 19-19A, 19-19B, 19-19C, and 19-24. SCDHEC conducted sampling 11/30/22. The human genetic marker was not detected in any sample collected.
 - Illicit Discharge Investigations – **Attachment 4e**
 7. **MS4 MCM – #4 Construction Site Stormwater Runoff Control – Attachment 5**
 8. **MS4 MCM – #5 Stormwater Plan Review and Related Activity – Attachment 6**
 9. **MS4 MCM – #6 Good Housekeeping (Staff Training/Education)**
 - Staff attended an Advanced Drainage Systems (ADS) seminar on 12/6/22.
 10. **MS4 MCM – #6 Good Housekeeping (Ditch, Drainage and Roadside Maintenance)**
 - Public Services performed weekly street sweeping on Calhoun Street, Highway 46, Bruin Road, May River Road, Pin Oak Street, and curbs and medians on Simmonsville and Buck Island Roads.
 - Performed ditch inspections
 - Arrow ditch (2,569 LF)
 - Red Cedar ditch (966 LF)
 - Buck Island roadside ditch (15,926 LF)
 - Simmonsville roadside ditch (13,792 LF)
 - Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simmonsville Roads, Goethe Road, Shults Road, Jason and Able Streets, Whispering Pine Road, May River Road and Eagles Field.

11. **Citizen Drainage, Maintenance, and Inspections Concerns Map – Attachment 7**
12. **Citizen Request for Watershed Management Services & Activities – Attachment 8**

Attachments

1. SCDHEC Shellfish Harvesting Monitoring Data Year-to-Date
 - a. SCDHEC May River Shellfish Harvesting Status Exhibit
2. May River Watershed Action Plan Implementation Summary*
3. MS4 Minimum Control Measures #1 and #2 – WAPAC Public Notice
4. MS4 Minimum Control Measure #3 – Illicit Discharge Detection and Elimination
 - a. Stormwater Infrastructure Inventory Map
 - b. *E. coli* Concentrations Trend Map
 - c. Microbial Source Tracking Trend Map – Human Source
 - d. Microbial Source Tracking Map – All Sources
 - e. Illicit Discharge Investigations
5. MS4 Minimum Control Measure #4 – Construction Site Stormwater Runoff Control
6. MS4 Minimum Control Measure #5 – Stormwater Plan Review and Related Activity
7. Citizen Drainage, Maintenance and Inspections Concerns Map
8. Citizen Request for Watershed Management Services and Activities Map
9. CIP Project Schedules

* Attachment noted above includes the latest updates in **bold** and *italic* font.

	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022
	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)
December	170.0	17.0	79.0		33.0	22.0	49.0		140.0	17.0	4.5		33.0	4.5	17.0		13.0	4.0	6.8		110.0	11.0	7.8	
November	17.0	70.0	33.0	33.0	6.8	31.0	33.0	13.0	7.8	17.0	7.8	7.8	11.0	13.0	4.0	4.5	4.5	13.0	4.5	6.1	2.0	4.5	2.0	13.0
October	7.8	49.0	49.0	23.0	4.5	79.0	26.0	46.0	2.0	31.0	13.0	13.0	4.5	21.0	23.0	23.0	1.8	33.0	23.0	11.0	2.0	79.0	17.0	14.0
September	79.0	110.0	33.0	540.0	33.0	49.0	11.0	350.0	6.8	49.0	17.0	350.0	17.0	33.0	13.0	170.0	4.5	33.0	2.0	79.0	1.8	33.0	11.0	33.0
August	70.0	49.0	49.0	23.0	49.0	49.0	49.0	23.0	33.0	23.0	23.0	11.0	22.0	23.0	49.0	13.0	7.8	17.0	14.0	17.0	17.0	22.0	14.0	11.0
July	4.5	33.0	350.0	920.0	13.0	13.0	64.0	49.0	7.8	23.0	79.0	95.0	17.0	7.8	33.0	130.0	22.0	7.8	33.0	23.0	13.0	17.0	13.0	46.0
June	33.0	NS	49.0	13.0	49.0	NS	79.0	4.5	49.0	NS	13.0	11.0	46.0	NS	17.0	2.0	13.0	NS	22.0	1.8	4.5	NS	2.0	9.3
May	7.8	70.0	2.0	4.5	9.2	49.0	49.0	4.5	7.8	23.0	23.0	4.0	2.0	22.0	23.0	1.8	6.8	6.8	23.0	1.8	4.5	4.5	7.8	2.0
April	23.0	33.0	33.0	4.5	13.0	33.0	23.0	4.5	7.8	13.0	22.0	1.8	6.8	6.8	17.0	2.0	23.0	13.0	7.8	1.8	6.8	13.0	2.0	1.8
March	23.0	170.0	33.0	33.0	23.0	49.0	11.0	23.0	6.8	130.0	17.0	2.0	13.0	49.0	13.0	4.5	7.8	70.0	2.0	2.0	4.5	33.0	2.0	2.0
February	64.0	17.0	79.0	23.0	33.0	7.8	70.0	31.0	23.0	21.0	79.0	17.0	31.0	4.5	23.0	22.0	6.8	4.5	7.8	2.0	13.0	6.8	6.8	11.0
January	23.0	95.0	17.0	49.0	23.0	33.0	17.0	22.0	13.0	33.0	13.0	33.0	33.0	17.0	23.0	7.8	7.8	17.0	17.0	7.8	23.0	17.0	7.8	7.8
** Truncated GeoMetric Mean	35.0	34.0	36.0	40.0	23.0	21.0	26.0	28.0	16.0	16.0	18.0	18.0	14.0	12.0	15.0	13.0	10.0	10.0	10.0	9.0	7.0	9.0	8.0	9.0
** Truncated 90th Percentile	168.0	106.0	139.0	197.0	89.0	59.0	69.0	91.0	63.0	50.0	58.0	74.0	52.0	37.0	39.0	52.0	38.0	31.0	35.0	42.0	32.0	35.0	33.0	32.0

NS = No Sample

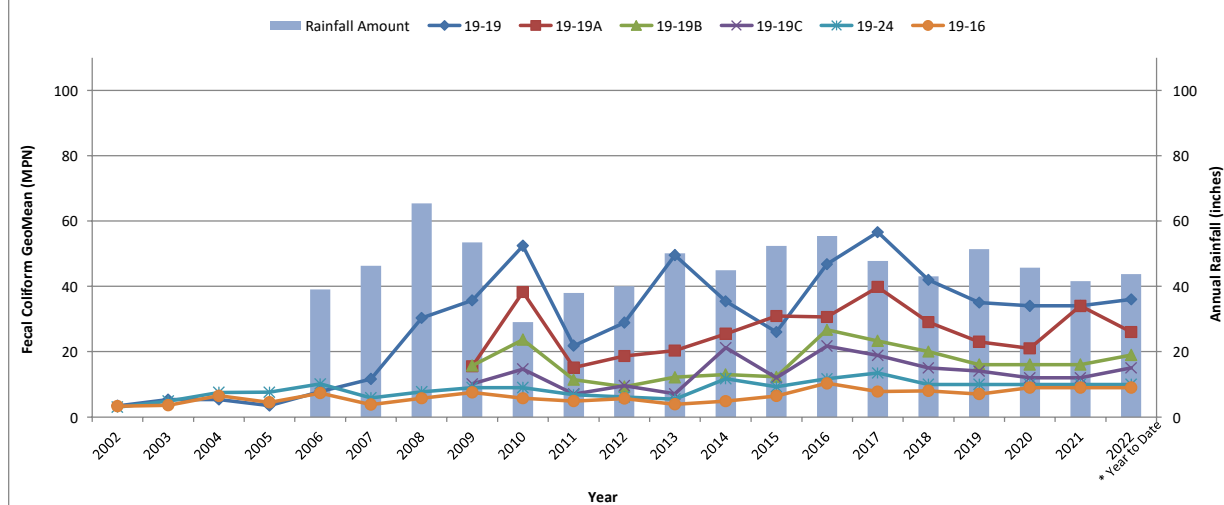
SCDHEC Regulatory Requirements:

Geometric Mean ≤ 14

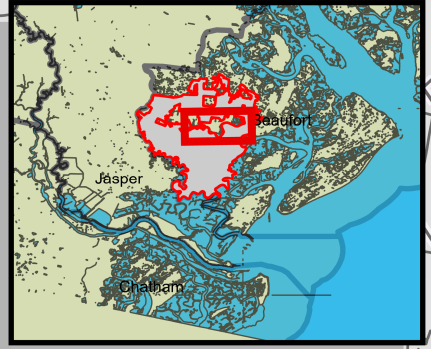
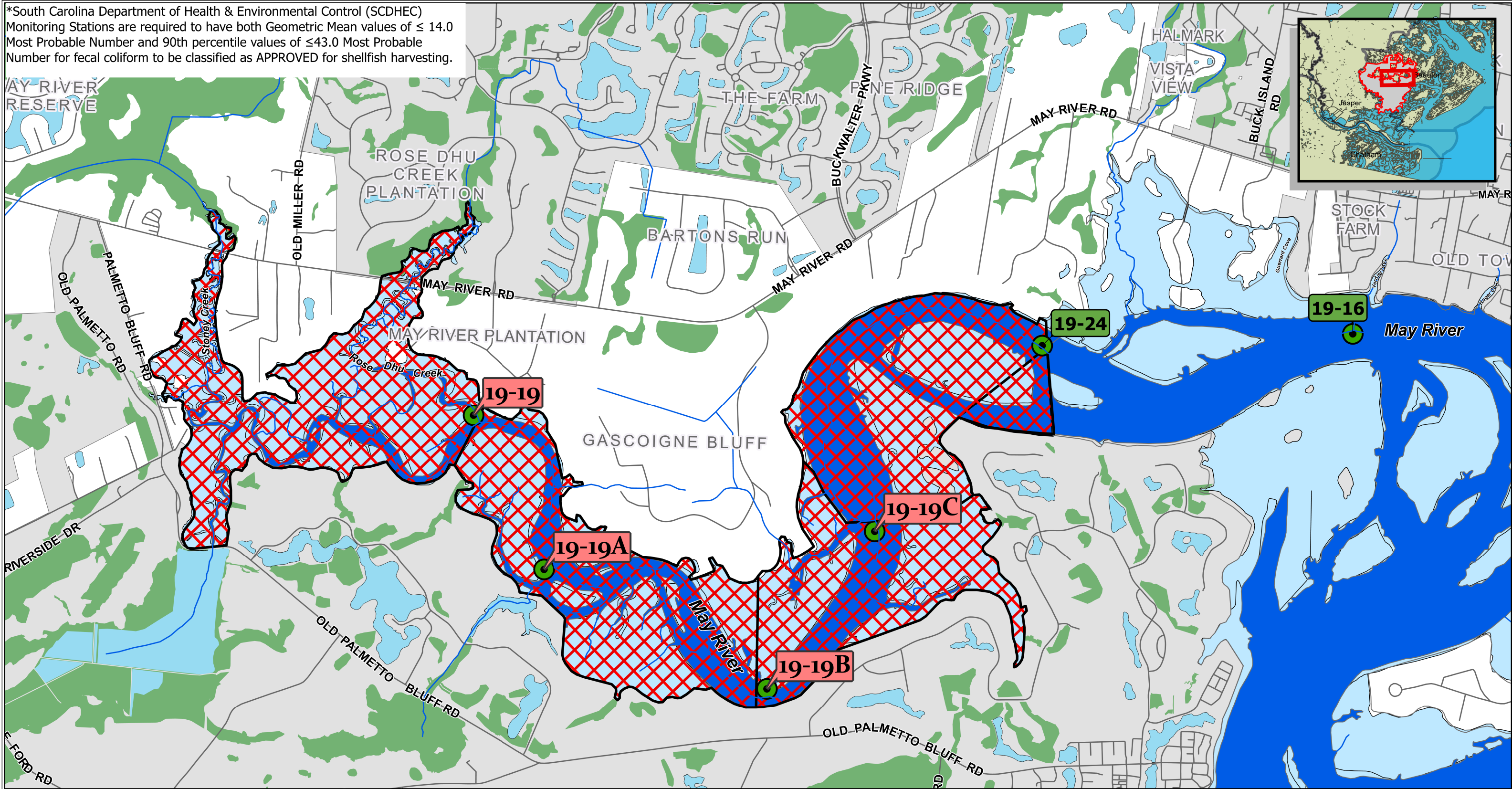
90th Percentile ≤ 43

** Town staff calculations utilizing SCDHEC statistics

SCDHEC May River Headwaters Shellfish Stations Average Annual Fecal Coliform



*South Carolina Department of Health & Environmental Control (SCDHEC) Monitoring Stations are required to have both Geometric Mean values of ≤ 14.0 Most Probable Number and 90th percentile values of ≤ 43.0 Most Probable Number for fecal coliform to be classified as APPROVED for shellfish harvesting.



- SCDHEC Shellfish Monitoring Stations
- Restricted 2022/2023 Shellfish Season
 - Open SCDHEC Shellfish Monitoring Stations
 - SCDHEC Shellfish Monitoring Station Classification Change
 - Streets
 - Drainage
 - Town Jurisdiction
 - County Jurisdiction
 - Water
 - Wetlands

Town of Bluffton
Beaufort County, SC

SCDHEC SHELLFISH HARVESTING STATUS

Date: 10/18/2022

WAPAC Meeting Presentation 2020 May River Watershed Action Plan Update & Modeling Report Overview and Status

Overview

- May River Watershed Action Plan Update (MRWAP) & Modeling Report **completed** November 2020.
- Bluffton Town Council Adoption of May River Watershed Action Plan Update & Modeling Report as a Supporting Document to the Comprehensive Plan **completed** February 2021.
- May River Watershed Action Plan Update & Modeling Report Summary:
 - **Executive Summary** provides an overview of the project background, findings and interpretation, current state of knowledge concerning fecal coliform fate and transport, and an overview of proposed recommendations for the Town.
 - **1.0 Introduction** includes more detailed project background including the purpose of the document and the Project Team's tasks to 1) develop water quality models to compare current conditions (2018) to pre-shellfish impairment conditions (2002) to develop pollutant load reduction estimates, and 2) evaluate the 2011 May River Watershed Action Plan (henceforth 2011 Action Plan) Best Management Practices (BMPs) for appropriateness under current conditions and provide up to eleven (11) alternative projects and preliminary cost estimates.
 - **2.0 Model Setup; 3.0 Model Calibration, and 4.0 Water Quality Model Results** details the methodology used by the Project Team to establish and calibrate the model and the model outputs. This highly technical information is necessary for future Water Quality Model (henceforth WQ Model) calibration and use for consistency.
 - **5.0 Recommendations** includes strategies to improve the Town's
 - Water quality monitoring efforts in order to calibrate the WQ Model further (§5.1),
 - Develop strategies and BMPs for fecal coliform bacteria reduction (§5.2),
 - Conduct an evaluation of 2011 Action Plan BMP projects (§5.3),
 - Methodology used to develop 2020 MRWAP Update recommended projects (four septic to sewer conversion projects and eleven stormwater BMP retrofit projects) with cost-estimates and ranking/prioritization (§5.4).
 - **6.0 Conclusions** offers a summary of the WQ Model results in context of current state of knowledge.
 - **7.0 References** documents the prior research findings used to inform recommendations.
 - **Appendices** reference supporting materials:
 - Montie et al. (2019) "Technical Report: Historical Analysis of Water quality, Climate Change Endpoints, and Monitoring in Natural Resources in the May River,"
 - Technical Memo from Dr. Rachel Noble,
 - Watershed Treatment Model Spreadsheets, and
 - Detailed Project Cost Estimate Spreadsheets.

2020 MRWAP Update Septic to Sewer Project Recommendations/Evaluations:

- Four (4) septic to sewer conversion projects were evaluated in the Rose Dhu Creek and Stoney Creek subwatersheds:
 - Cahill
 - Gascoigne
 - Stoney Creek
 - Pritchardville
 - These projects overlap with 42 subcatchments in the Stoney Creek subwatershed and 11 in Rose Dhu Creek subwatershed. Based on WQ Model outputs, these projects alone may potentially reduce the fecal coliform (FC) loading by 3.46×10^{13} FC per year.
- The estimated septic to sewer conversion costs of these projects is \$5.5 million.

Work Performed and Current Status

Discussions with the Town of Bluffton, Beaufort County and Beaufort Jasper Water Sewer Authority (BJWSA) have been held about future Septic to Sewer Program projects identified above. The Stoney Creek subwatershed Septic to Sewer Project has been identified as the next priority project to pursue under the Septic to Sewer Program.

1. The Town and Beaufort County are finalizing Funding and Cost share elements relative to the project and a letter to BJWSA will be developed and sent to BJWSA regarding project funding, capital outlay and schedule for implementation.

2020 MRWAP Update Eleven Impervious Restoration (stormwater retrofit) Project Recommendations/Evaluations and Other Work:

- Eleven (11) project sites (incorporating various individual BMPs) were selected in consultation with the Town (prioritizing subcatchments with FC bacteria hotspot and/or large impervious areas). These sites were evaluated in terms of the potential benefits gained by retrofitting to meet the 95th percentile storm retention, to the maximum extent possible, under the proposed Impervious Area Restoration/Stormwater Retrofit Program.

Eleven (11) proposed project sites were identified in the Rose Dhu Creek (6 projects) and Stoney Creek (5 projects) subwatersheds:

- Bluffton Early Learning Center (BELC)
- Boys and Girls Club of Bluffton (BGC)
- Benton House (BH)
- Bluffton High School (BHS)
- Buckwalter Recreation Center (BRC)
- Lowcountry Community Church (LCC)
- McCracken Middle School/Bluffton Elementary School (MMSBES)
- May River High School
- One Hampton Lake Apartments (OHLA)

- Pritchardville Elementary School (PES)
- Palmetto Pointe Townes (PPT)
- Based on WQ Model outputs, these projects alone may potentially reduce FC loading by
 - 2.99×10^{14} FC reduction for the Full Stormwater Retention Volume (SWRv) (entire sub-basin drainage area catchment).
 - 2.53×10^{14} FC reduction for the Reduced SWRv projects (impervious area drainage area of sub-basin catchment).
- The estimated of Full SWRv projects costs is \$32.7 million and the estimated cost of Reduced SWRv projects is \$22.6 million.
- Currently the Towns' Impervious Restoration Program is targeting Reduced SWRv for future projects.

Example of Impervious Restoration Project evaluation from May River Watershed Action Plan Update & Modeling Report:

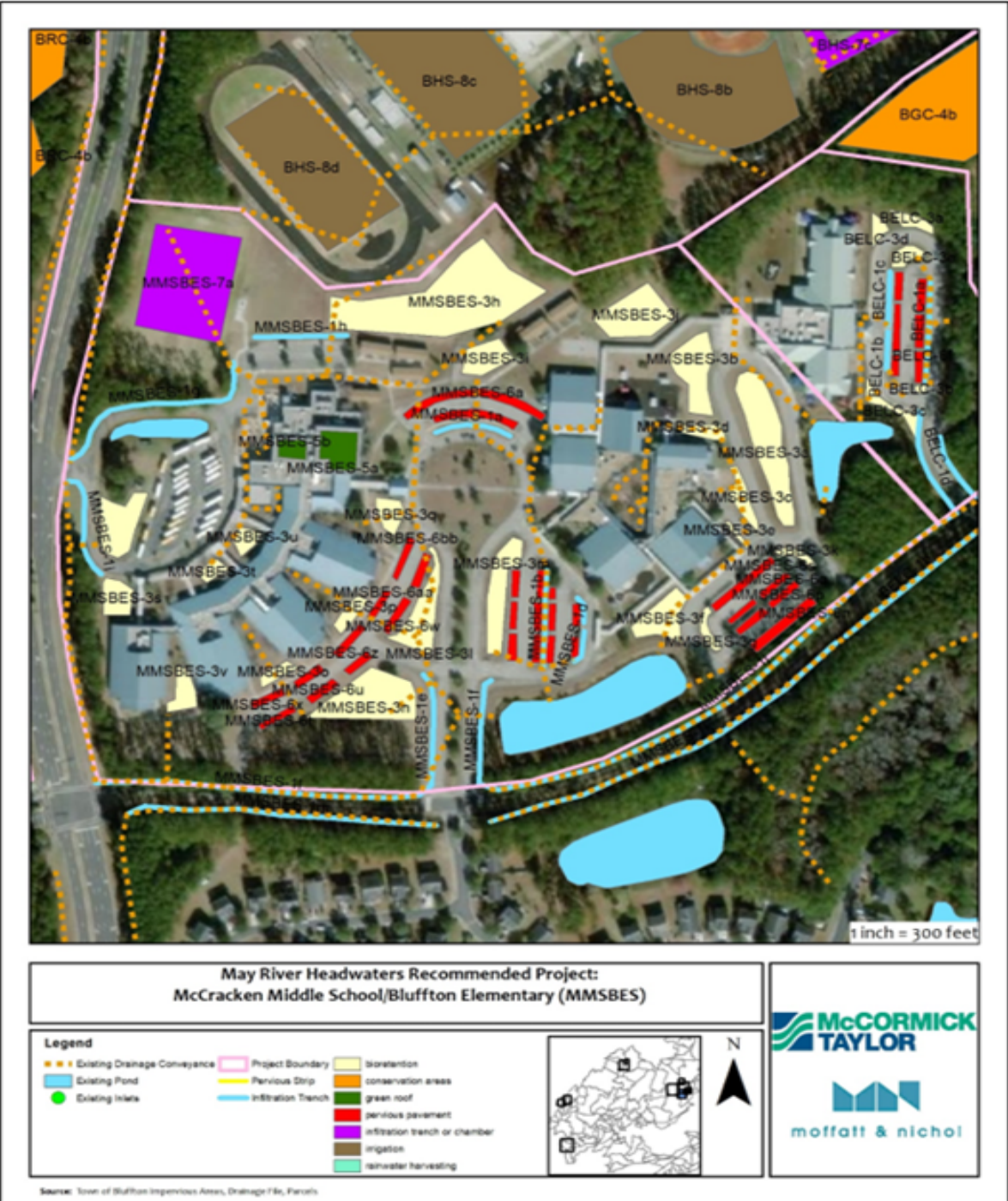


Figure 52. McCracken Middle School/Bluffton Elementary School Proposed Stormwater BMP Retrofits

Work to be Performed

- Drafted a detailed scope of work for Engineering Consultant Firm review and cost proposal (Expression of Interest) regarding performance of the following work elements related to 2020 MRWAP Update recommendations for implementation:

Task 1: 2020 MRWAP Update eleven (11) site locations

- Evaluate eleven (11) sites and proposed BMPs.
- Update concept plans for the eleven (11) sites based on site evaluations, recommendations, and discussions.
- Perform geotechnical evaluations (augers and borings to evaluate existing soil type, infiltration rates and groundwater table elevation) at each site at locations related to BMP locations and develop updated concept plans for each site.
- Refine updated concept plans and use for presentations to Property Owner to discuss Impervious Restoration Program goals, objectives and gain support for Program and their participation.
 - Develop list of “incentives” to secure Property Owner participation (see Policy Document Formulation below).
- Based on geotechnical information and Property Owner feedback further refine concept plans to Preliminary Design:
 - Determine BMP types and location to maximize SWRv/Water Quality (WQ) treatment in cost effective approach.
 - Determine estimated pollutant load reductions.
 - Develop site specific BMP details.
 - Develop preliminary BMP maintenance schedule and cost for each site.
- Preliminary Design development plans will be presented to the Property Owner for review and discussion. Other Impervious Restoration Program details (maintenance responsibilities, easements, incentives, etc.) developed as part of the Impervious Restoration Program (see Policy Document Formulation below) will also be discussed in hopes of establishing a commitment from the Property Owner to participate in the Program. Once a “commitment” is secured from the Property Owner, the project site will be moved to Final design, permitting, and ultimately construction.

Task 2: Identify fifteen (15) new project sites for Town of Bluffton Impervious Restoration/BMP Retrofit Projects.

- The Town wishes to identify an additional 15 project sites located within the municipal limits of Bluffton for the Impervious Restoration/BMP Retrofit Program. However, the criteria for site selection will be considered to be more “low hanging fruit” based on the following:
 - Within Town of Bluffton Municipal limits.
 - Soils – sandy soils with high infiltration rates offer the biggest bang for the buck for water quality treatment/improvement.

- Utilizing soil survey and other information target sites where infiltration can be maximized on-site.
- Public or governmental agency land/property owner, not South Carolina Department of Transportation (SCDOT) Right of Way (RoW).

Town of Bluffton Impervious Restoration/BMP Retrofit Policy Documents.

Task 3: Section 5.4.4. Stormwater BMP Retrofit Projects of the 2020 May River Watershed Action Plan Update and Model Report identifies potential Impervious Restoration/BMP Retrofit projects located on Public and Private Land. As mentioned earlier, one of the primary site selection criteria, at time of report development, was to identify sites with large impervious areas so that pollutant load reductions could be estimated and the benefits of such projects on stormwater quality quantified/estimated, if implemented into construction. Generally, Public Funds are not expended to improve private property nor is the Town of Bluffton funding generally expended on Public Land owned by another government entity. In order for such projects identified in Section 5.4.4. to move forward in the interest of improved water quality and for the overall benefit and welfare of the constituents of the Town of Bluffton, Policy Documents need to be formulated that establishes the parameters of such a Program to be initiated and implemented.

Work Completed and Current Status

- The Expression of Interest was submitted to three (3) consultant firms under existing Master Service Agreements (MSAs) with the Town for review and a request for response.
- All three (3) Firms responded, and their respective responses were evaluated, scored and discussed.
- A recommendation for Award was made and the Consulting Firm of Goodwyn, Mills and Cawood selected.
 1. Phase I of this work is in process under existing FY22 funding from Watershed Management Division.
 2. Phase II of this work will be presented for Town Council review and approval in the August Town Council Meeting and FY23 funding.
- Phase I work completed by Consultant and Town:
 1. Review of recommendations of the 2020 MRWAP Update.
 2. On-site evaluations at each proposed site.
 3. Meetings with Beaufort County School District.
 - Six (6) of the eleven (11) sites are located on Beaufort County School District (henceforth School District) property. The School District is deemed an important project partner and as such several meetings have been held to discuss the Impervious Restoration Program and need for project BMPs to improve water quality. The School District has granted permission for the Town of Bluffton to perform initial site investigations, provided the Town with site specific plans, future

development plans for each site, and expressed a willingness to participate in the Program.

- Drafted a Letter to Non-School Property Owners describing the Impervious Restoration Program and requesting meetings to discuss and gain support.
4. Policy Document Formulation has been initiated and includes research of similar Impervious Restoration Programs Nationwide.

Other, Related 2020 MRWAP Update Recommendations

- Adopt proposed regional Southern Lowcountry Post-Construction Stormwater Ordinance and Design Manual - **completed** September 2021.
- The Town should incorporate volume reduction BMPs (those that encourage infiltration) within existing and future Capital Improvement Projects (CIP) to the maximum extent practical (MEP), especially for project locations with well-drained soils (HSG A or B) – **in progress**, see below.
 - **Work Performed and Current Status**
 - Bridge Street Streetscape Project
 - Project design/permitting is complete, and Construction Contract has been awarded.
 - Incorporated Infiltration BMPs within the project to capture and treat 1.95” of rainfall over impervious surfaces within the project area, prior to discharge into the May River.
 - Received Section 319 Grant from the South Carolina Department of Health and Environmental Control (SCDHEC) to cost-share on construction of proposed BMPs.
 - Pritchard Street Drainage Improvement Project
 - Project in Design Phase and considered 30% complete.
 - Incorporated Infiltration BMPs within the project to capture and treat 1.95” of rainfall over impervious surfaces within the project area, prior to discharge into Heyward Cove and ultimately the May River.
 - Submitted Section 319 Grant proposal to SCDHEC to cost-share cost of construction of proposed BMPs. Pre-proposal was accepted, and Full Proposal was requested by SCDHEC. Under Review.
- In-House Microbial Source Tracking – **in progress**, see below
 - The Town entered a Memorandum of Understanding (MOU) with the University of South Carolina Beaufort (USCB) in July 2021 to establish and fund a regional Microbial Source Tracking (MST) laboratory capable of accepting environmental water quality samples.
 - Analytical services are provided by the USCB-MST laboratory for all environmental samples collected by the Town.
 - Staff is working with the USCB-MST Laboratory to assess the utility of fecal markers in regional watersheds, including the May River watershed as recommended in the 2020 May River Watershed Action Plan Update and Model Report.
- Future (new) Bacteria Monitoring Locations - **in progress**, see below

- Staff increased sampling frequency and implemented additional monitoring sites and parameters in the May River headwaters based upon recommendations in the 2020 MRWAP Update.
- Staff is collecting intermittent flow data in conjunction with grab samples at monitoring sites in the May River Headwaters as recommended in the 2020 MRWAP Update.
- Staff working with consultant to identify recommended strategies to gain required intermittent flow data.
- Future (new) Water Flow Monitoring Locations.
 - **Work Performed and Current Status**
 - The 2020 MRWAP Update included recommendations for the Town to perform certain rainfall and flow data measurements in May River Headwater Watersheds in order to “calibrate” and make more accurate Model predictions. These recommendations were evaluated and a game plan to address recommendations to calibrate model developed.
 - The Town of Bluffton established Sontek IQ Plus continuous flow measuring instruments in Stoney Creek, Rose Dhu Creek, and Heyward Cove subwatersheds. In addition, the Town collected intermittent flow data at the time of water quality grab sampling and established a weather station in the May River Watershed. The Town hired a consultant to review all the Town’s continuous, intermittent, and precipitation data and to determine:
 - Useful data had been obtained to gain the required information to calibrate model.
 - The data obtained from Stoney Creek and Heyward Cove was deemed sufficient for Model calibration and Final report for this work has been completed.
 - Duck Pond was deemed inconsequential, not needed due to drainage area size and proximity/outfall to tidal waters.
 - If data review resulted in insufficient data, develop a monitoring program that would produce the data needed.
 - Rose Dhu Creek continuous flow data review resulted in data that was insufficient to calibrate Model.
 - Final report identifying recommended strategies to gain required data is in process.
 - In process of purchasing telemetry stations to equip continuous flow monitoring stations with real-time data access for the Rose Dhu and Palmetto Bluff subwatersheds.



PUBLIC NOTICE

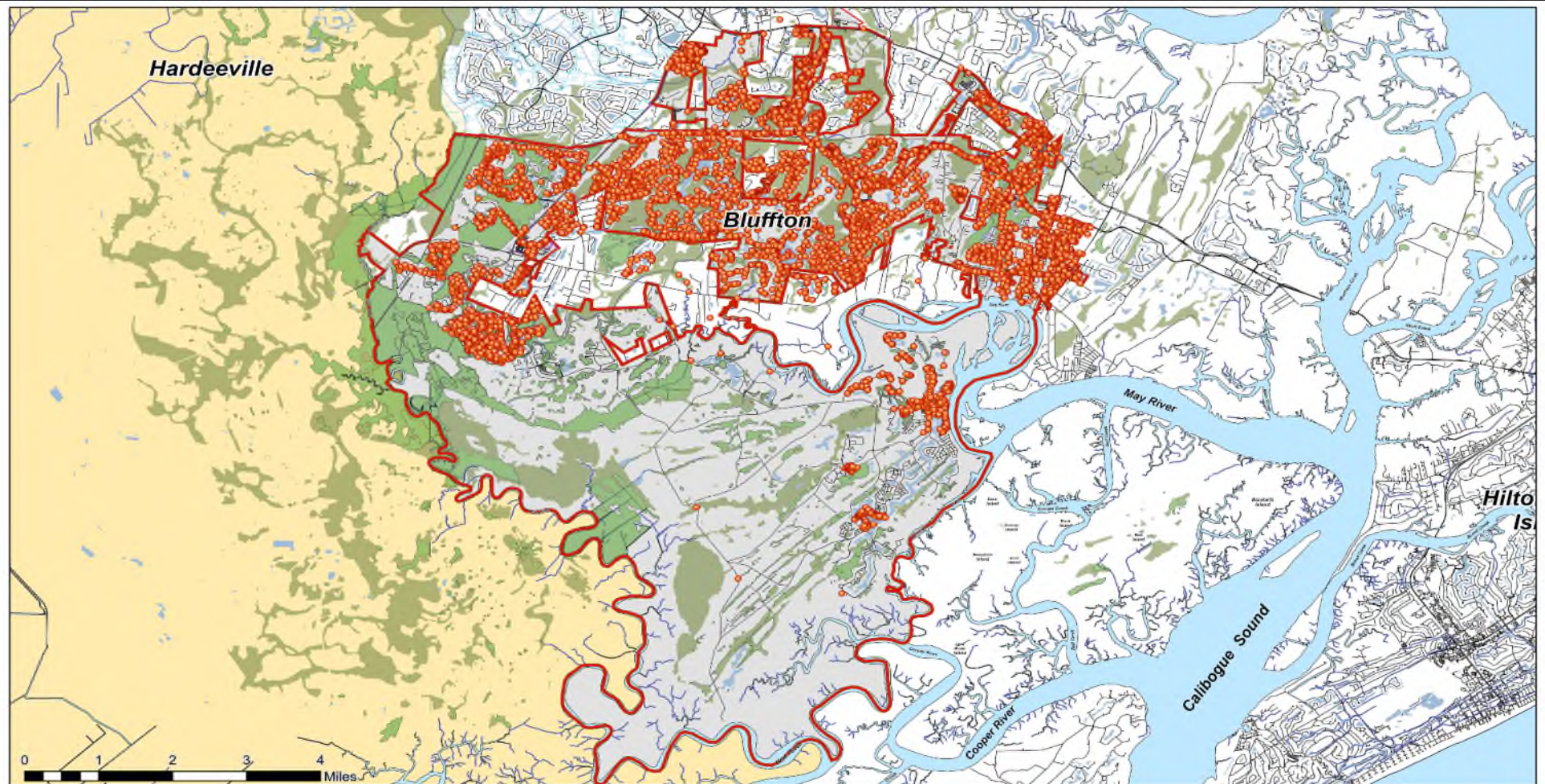
May River Watershed Action Plan Advisory Committee
meeting on:

Thursday, January 26, 2023 at 9:00 AM

**Theodore D. Washington Municipal Building, 20 Bridge Street,
Henry "Emmett" McCracken Jr. Council Chambers**

If you have questions, please contact
Christina Hurd with the Watershed
Management Division at:
843-540-5591

MS4 Minimum Control Measure #3 – IDDE (Illicit Discharge Detection & Elimination): Stormwater Infrastructure Inventory



- SW STRUCTURE
- SW PIPE
- TOWN OF BLUFFTON
- BEAUFORT COUNTY
- JASPER COUNTY
- WETLAND
- WATER
- ROADS

Town of Bluffton
Beaufort County, SC

STORMWATER INFRASTRUCTURE

Map prepared by the Town of Bluffton, Beaufort County, South Carolina, using GIS data provided by the Town of Bluffton, Beaufort County, South Carolina, and other sources. The map is for informational purposes only and does not constitute a warranty or representation of any kind. The Town of Bluffton, Beaufort County, South Carolina, is not responsible for any errors or omissions on this map.

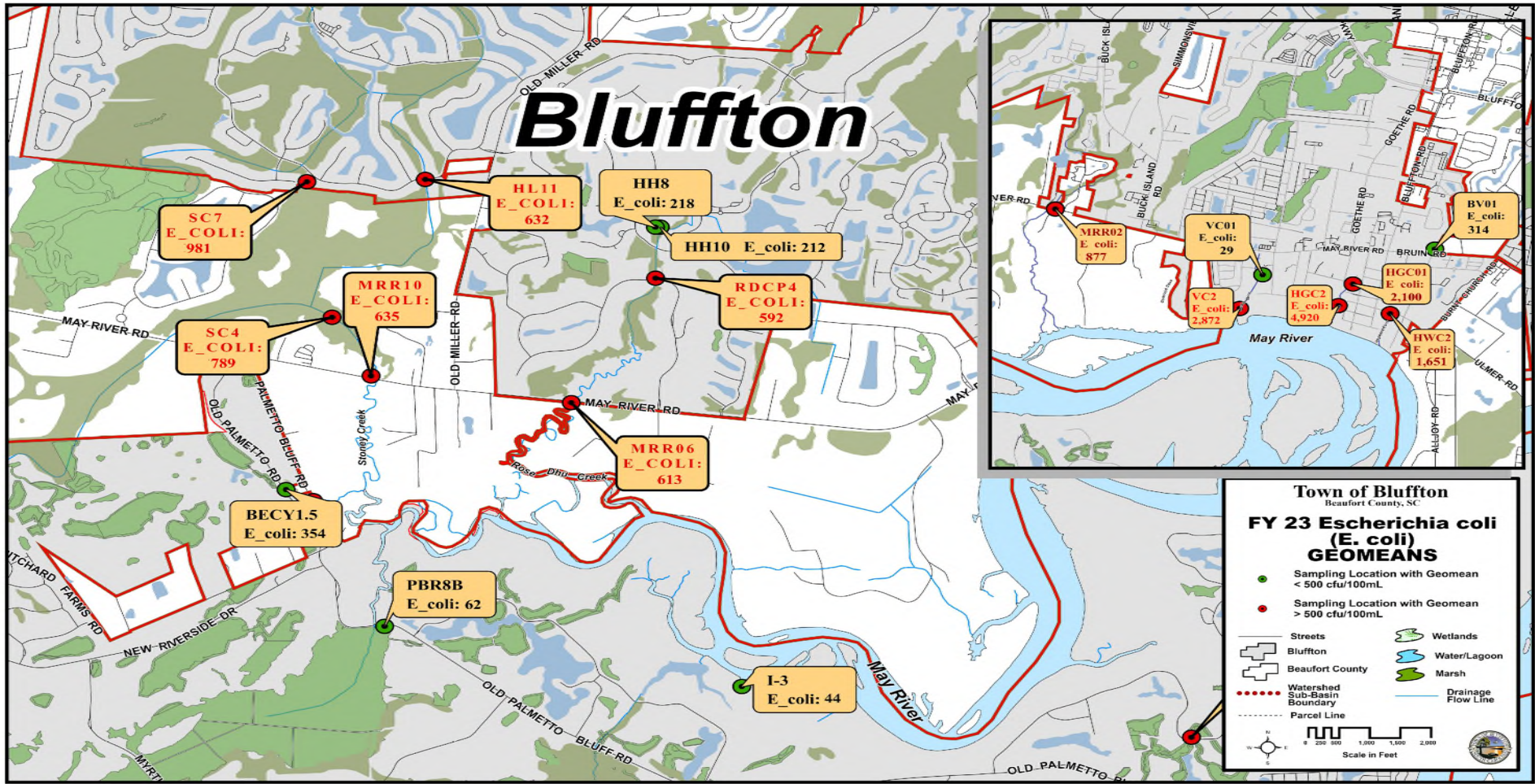


Updated Date: 12/08/2022

Stormwater Infrastructure Inventory Collection Status

Collection Totals	16,657
FY 2023 YTD Collection Totals	2,341
FY 2022 Collection Totals	2705

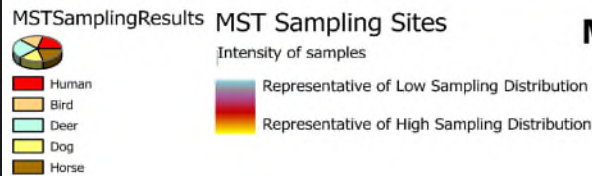
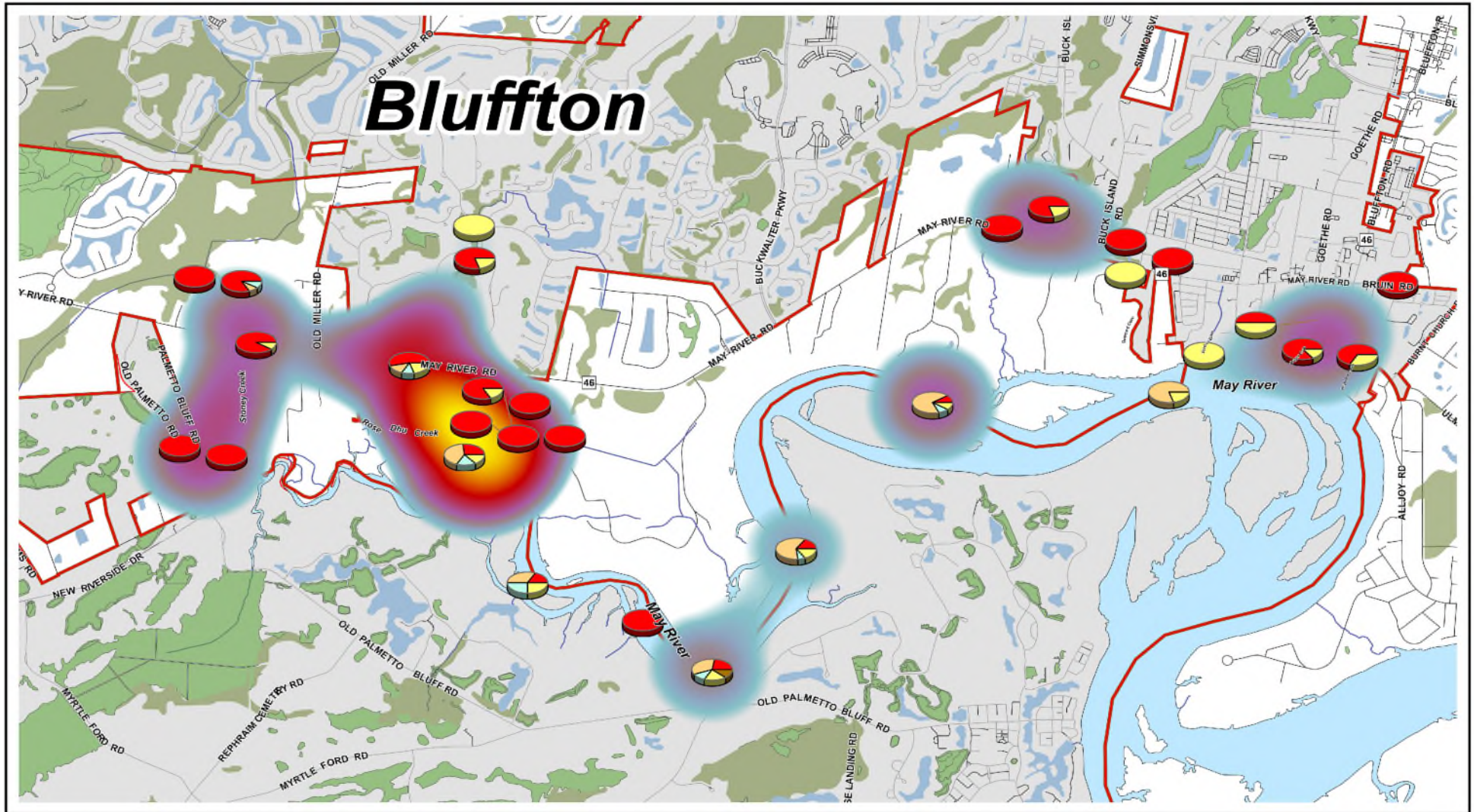
MS4 Minimum Control Measure #3 – IDDE: *E. coli* Concentrations Trend Map



	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2023 YTD Totals	304	54	36
FY 2022 Totals	447	78	119
FY 2021 Totals	380	115	179

Totals include only samples submitted for laboratory analysis, and not *in situ* parameters.

MS4 Minimum Control Measure #3 – IDDE: Microbial Source Tracking (MST) Trend Map



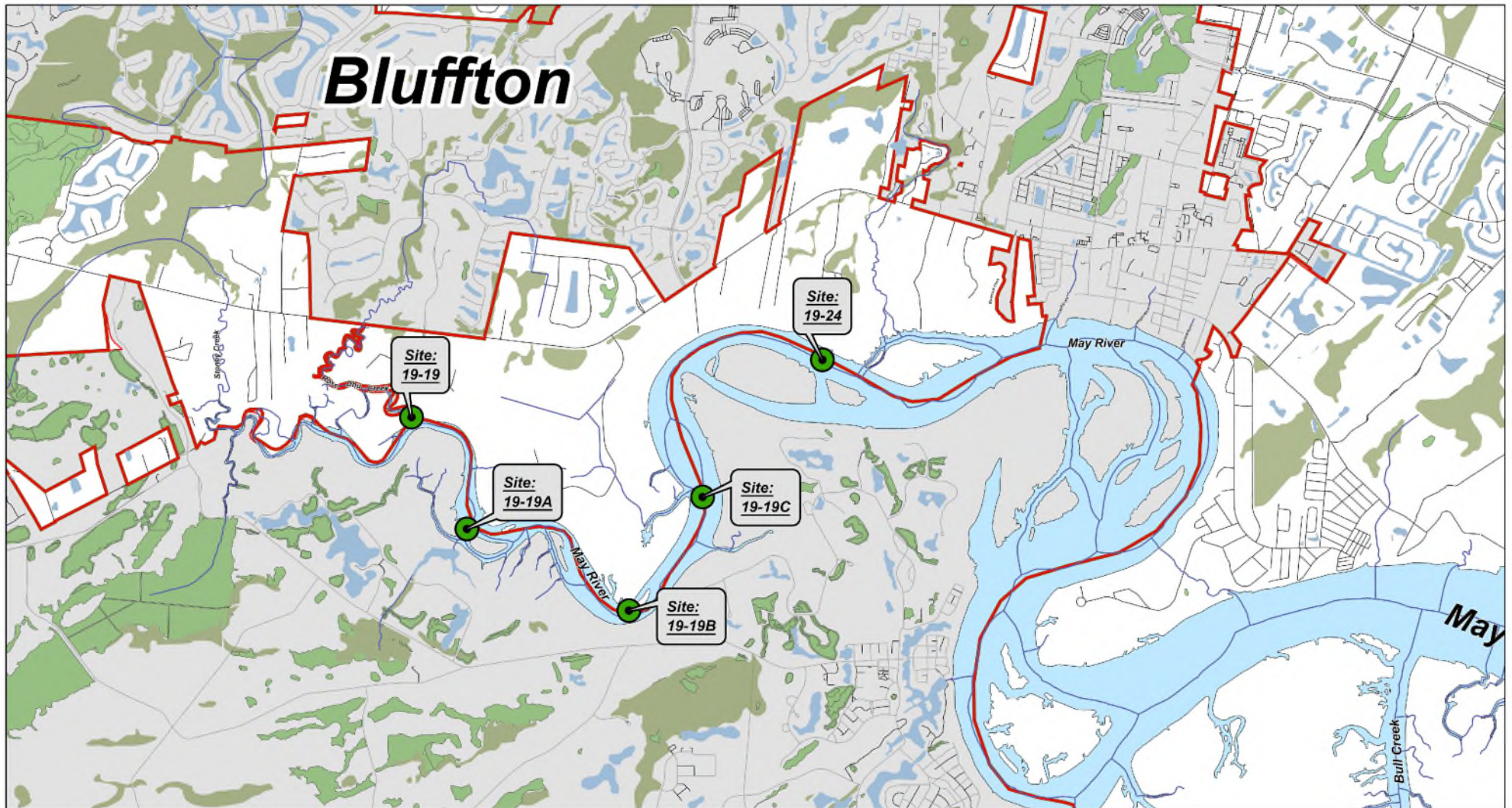
MICROBIAL SOURCE TRACKING (MST) LOCATIONS

Samples at Sites With Positive Detection and the Intensity of Positive Hits

Town of Bluffton
Beaufort County, SC



MS4 Minimum Control Measure #3 – IDDE: Microbial Source Tracking (MST) Map – Human Sources

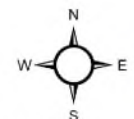


- MST Sampling Location Without Detection
- MST Sampling Location With Detection
- Flowline
- Street
- ☐ Town Jurisdiction ☐ County Jurisdiction

MICROBIAL SOURCE TRACKING LOCATIONS

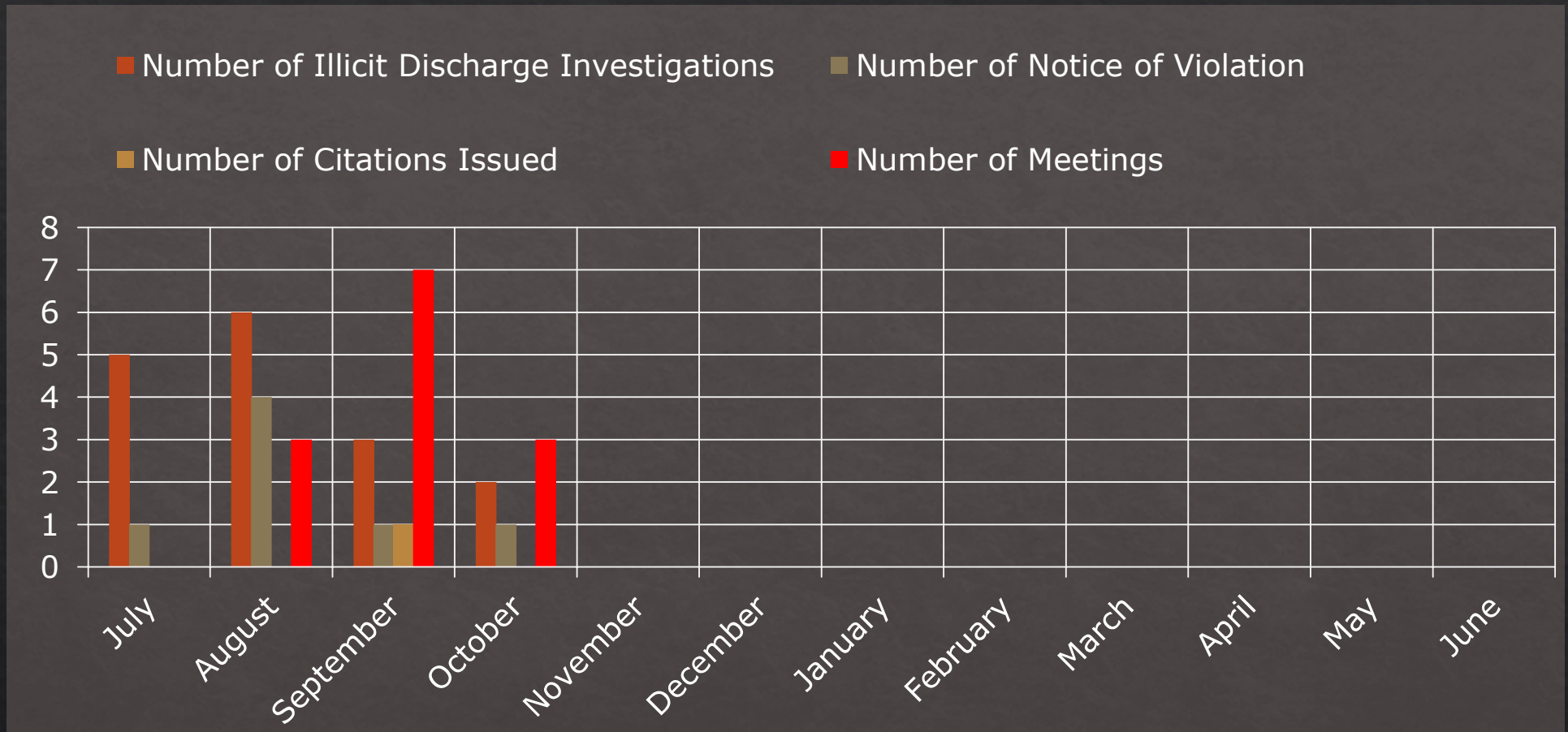
Sampling Results November 2022

Town of Bluffton
Beaufort County, SC



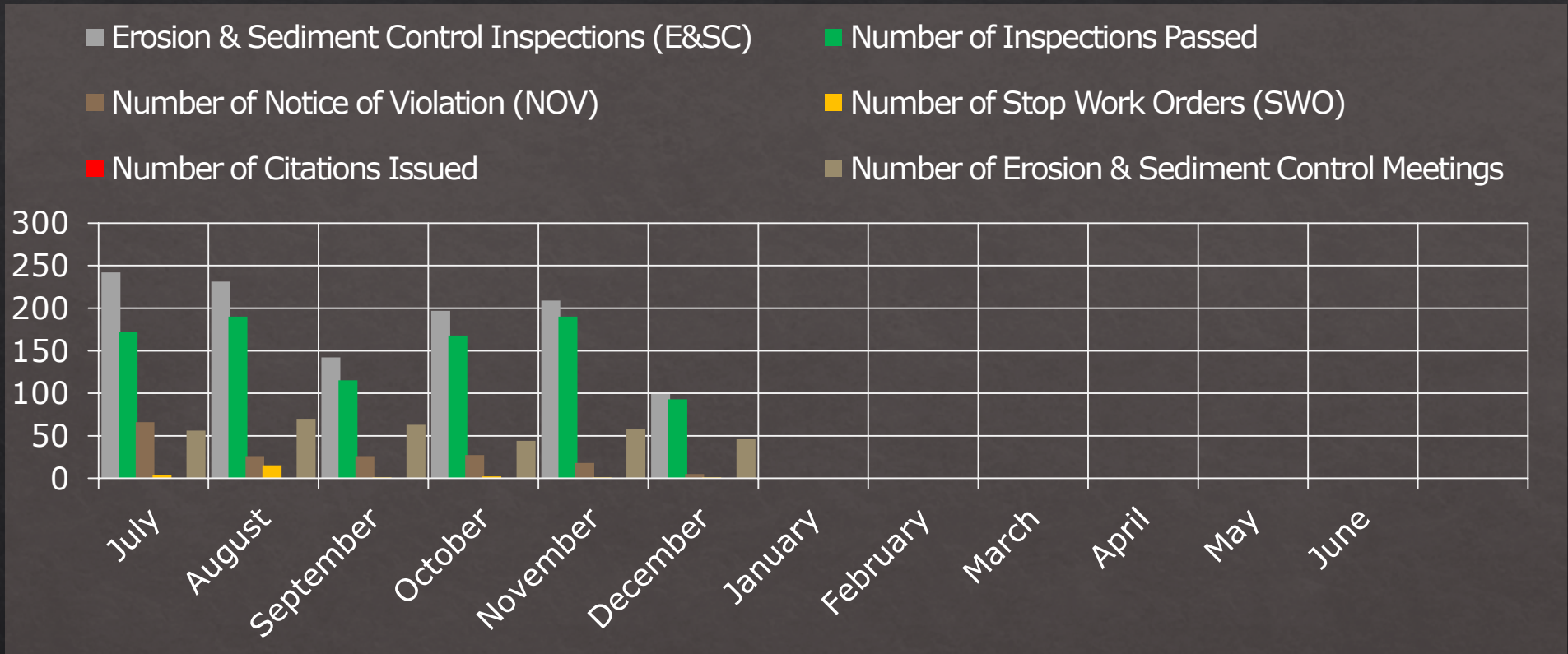
Updated Map: 12/08/2022

MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations



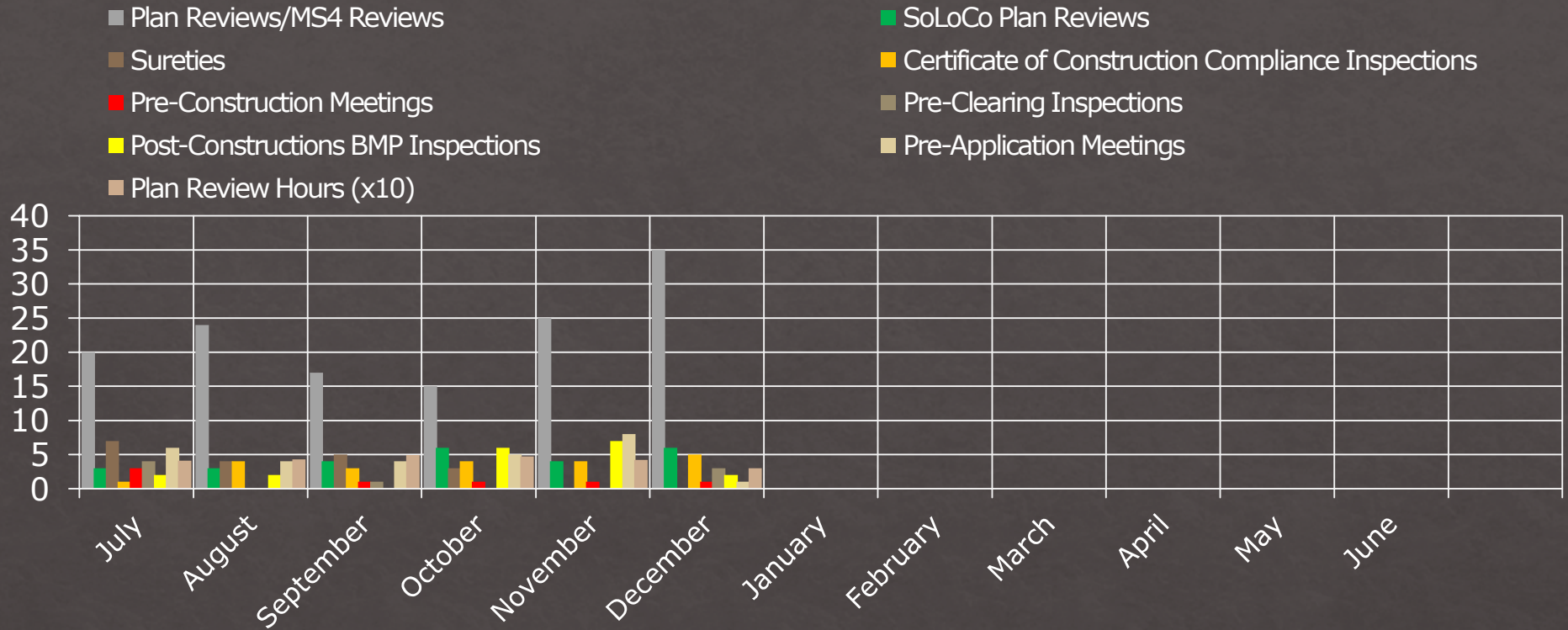
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of Citations Issued	Number of Meetings
FY 2023 YTD Totals	16	7	1	13
FY 2022 Totals	30	5	3	17
FY 2021 Totals	36	11	1	29

MS4 Minimum Control Measure #4 - Construction Site Stormwater Runoff Control



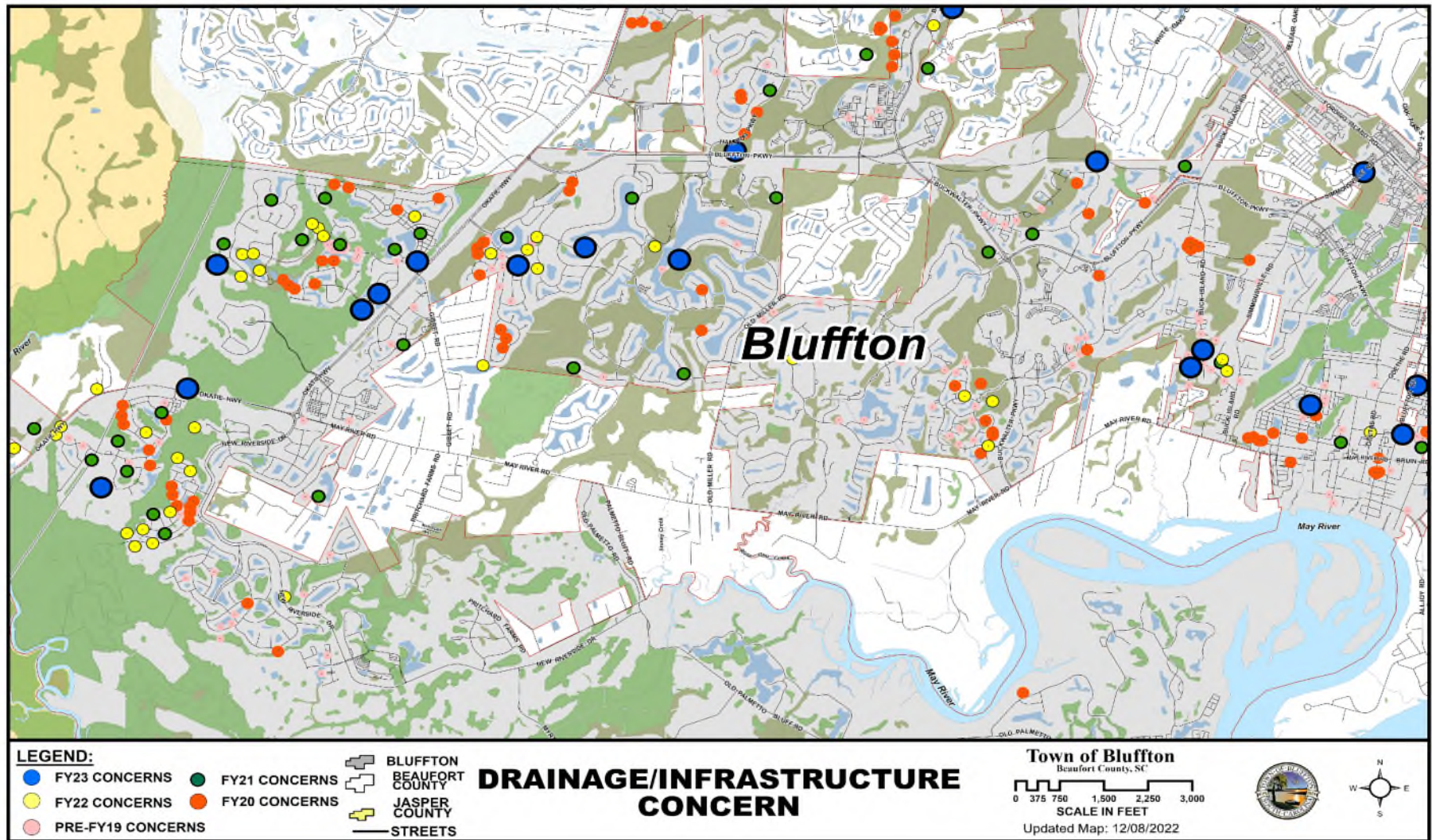
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOV's Issued	Number of SWO Issued	Number of Citations Issued	Number of E&SC Meetings
FY 23 YTD Totals	1120	928	168	24	0	337
FY 2022 Totals	3127	2701	392	49	0	673
FY 2021 Totals	1,805	1,527	267	32	4	413

MS4 Minimum Control Measure #5 Stormwater Plan Review & Related Activity



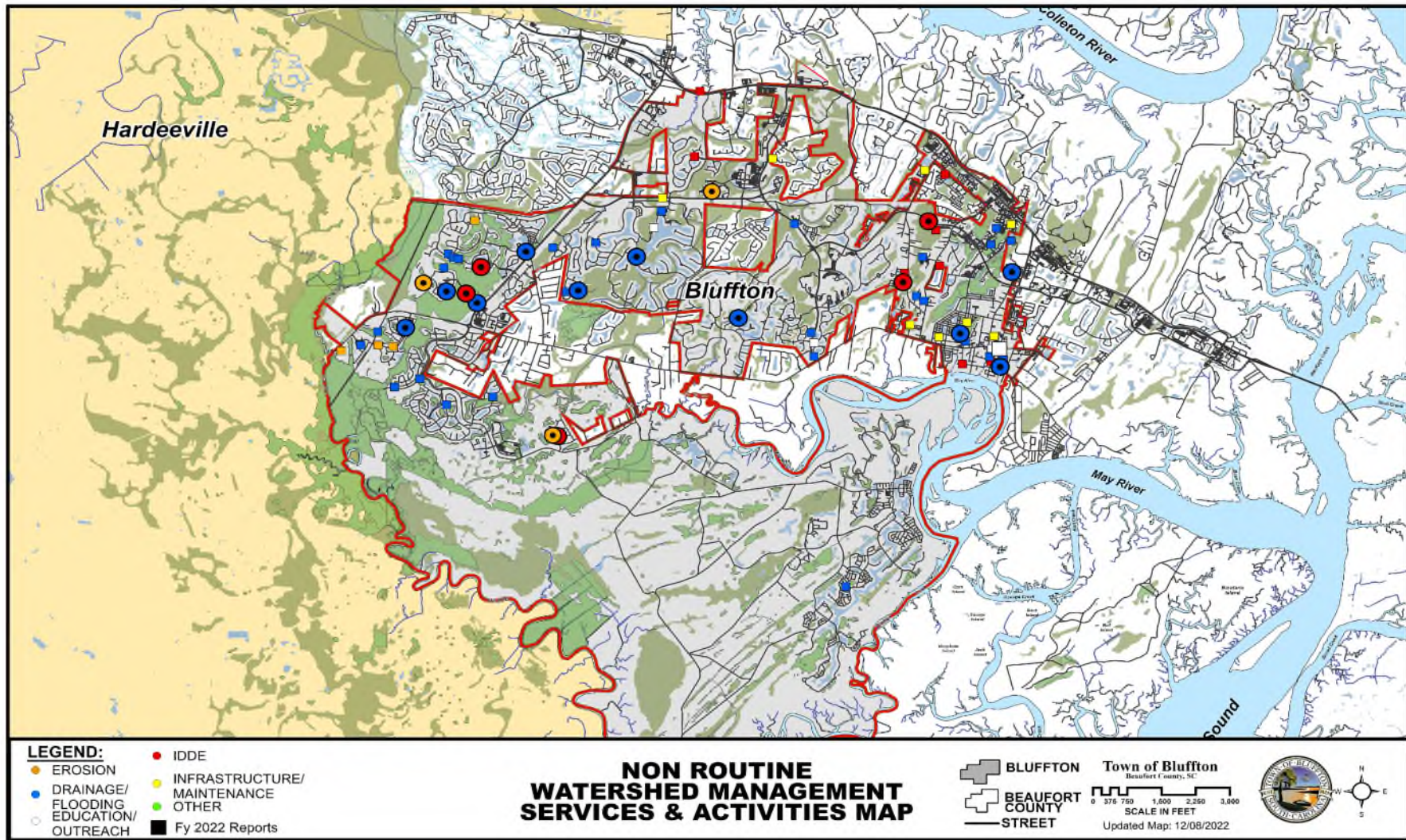
	Plan Reviews MS4 Reviews	SoLoCo Plan Reviews	Sureties	CCC Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2023 YTD	136	26	19	21	7	8	19	28	252 Hrs.
FY 2022 Totals	231	13	42	26	30	23	44	26	454 Hrs.
FY 2021 Totals	186	0	61	55	24	24	22	41	789 Hrs.

Citizen Drainage, Maintenance and Inspections Concerns Map



	Number of Drainage Concerns Investigated	Number of Meetings
FY 2023 YTD Totals	44	37
FY 2022 Totals	38	34
FY 2021 Totals	45	39

Citizen Request for Watershed Mngt. Services & Activities Map



	Number of Citizen Requests Investigated	Number of Meetings
FY 2023 YTD Totals	6	9
FY 2022 Totals	33	21
FY 2021 Totals	46	36

BOUNDARY STREET LIGHTING
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020	2021	2022
					Jun Jul Aug Sep Oct Nov Dec	Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1	BOUNDARY STREET LIGHTING PHASE 2	901 days	Mon 7/8/19	Mon 12/19/22	◆—————◆		
2	Planning and Conceptual Design	697 days	Mon 7/8/19	Tue 3/8/22	◆—————◆		
13	Permitting	90 days	Mon 1/20/20	Fri 5/22/20	◆—————◆		
15	Easements and Land Acquisition	369 days	Tue 6/1/21	Fri 10/28/22	◆—————◆		
18	Construction	31 days	Mon 11/7/22	Mon 12/19/22	◆—————◆		

Project: 00069	Milestone ◆	Project Duration ◆—————◆	Permitting ◆—————◆	Construction ◆—————◆
Date: Thu 7/7/22	Critical Task ★	Planning and Conceptual Design ◆—————◆	Easements and Land Acquisition ◆—————◆	
	Task ■	Final Design and Construction Documents ◆—————◆	Bidding and Contract ◆—————◆	

BOUNDARY STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Predecessors	Finish	Quarter	4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Quarter				
						Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1	BOUNDARY STREET STREETScape	689 days	Mon 9/7/20		Thu 4/27/23	◆																							
2	Planning and Conceptual Design	379 days	Mon 9/7/20		Thu 2/17/22	◆																							
14	Final Planning and Construction Documents	260 days	Fri 2/18/22		Thu 2/16/23	◆																							
20	Permitting Phase	130 days	Fri 10/28/22		Thu 4/27/23	◆																							
25	Easements and Land Acquisition	116 days	Fri 10/28/22		Fri 4/7/23	◆																							

Project: 00094 Date: Wed 11/23/22	Baseline Milestone	◆	Task	■	Permitting	◆	Baseline	■
	Baseline Summary	┌───┐	Project Duration	◆	Bidding and Contract	◆		■
	Milestone	◆	Planning and Conceptual Design	◆	Easements and Land Acquisitions	◆		■
	Critical Task	★	Final Design and Construction Documents	◆	Construction	◆		■

BRIDGE STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	September	October	November	December	January	February	March	April	May	June	July	August	September	October											
					9/4	9/18	10/2	10/16	10/30	11/13	11/27	12/11	12/25	1/8	1/22	2/5	2/19	3/5	3/19	4/2	4/16	4/30	5/14	5/28	6/11	6/25	7/9	7/23	8/6
1	BRIDGE STREET STREETScape	287 days	Tue 9/20/22	Wed 10/25/23	◆																								
2	Construction	287 days	Tue 9/20/22	Wed 10/25/23	◆																								
3	Utility Locates	10 days	Tue 9/20/22	Mon 10/3/22	■																								
4	Site Layout	10 days	Tue 9/20/22	Mon 10/3/22	■																								
5	Revise CDs Based on Utility Conflicts	10 days	Tue 10/4/22	Mon 10/17/22	■																								
6	Relocation of Dry Utilities	30 days	Wed 10/5/22	Tue 11/15/22	■																								
7	Thanksgiving Christmas Parade Break	10 days	Tue 11/22/22	Mon 12/5/22	■																								
8	Press Release to Public	1 day	Thu 12/1/22	Thu 12/1/22	★																								
9	Receive Inlets and Pipe	1 day	Mon 12/5/22	Mon 12/5/22	★																								
10	Mobilization to Staging Areas	5 days	Tue 12/6/22	Mon 12/12/22	■																								
11	Traffic Control / Signage	5 days	Tue 12/13/22	Mon 12/19/22	■																								
12	Silt Fencing and Inlet Protection	10 days	Tue 12/20/22	Mon 1/2/23	■																								
13	Christmas Break	10 days	Mon 12/26/22	Fri 1/6/23	■																								
14	Relocation of Various Features as Required	15 days	Mon 1/9/23	Fri 1/27/23	■																								
15	Tree Removal	10 days	Mon 1/30/23	Fri 2/10/23	■																								
16	SW Pipe Removal / Fill	10 days	Mon 2/13/23	Fri 2/24/23	■																								
17	Adjust Existing MH / Valves Elevation	15 days	Mon 2/27/23	Fri 3/17/23	■																								
18	Cut and Remove Asphalt	10 days	Mon 3/20/23	Fri 3/31/23	■																								
19	Install Drop Inlets	20 days	Mon 4/3/23	Fri 4/28/23	■																								
20	Install HDPE and RPC Pipe	20 days	Tue 5/2/23	Mon 5/29/23	■																								
21	Rough Grade Shoulder	10 days	Tue 5/30/23	Mon 6/12/23	■																								
22	Milling Existing Asphalt	5 days	Tue 6/13/23	Mon 6/19/23	■																								
23	Asphalt Paving, Base, Interim, Surface	10 days	Tue 6/20/23	Mon 7/3/23	■																								
24	Concrete Sidewalks	15 days	Wed 7/5/23	Tue 7/25/23	■																								
25	Thickened Concrete Sidewalks	5 days	Wed 7/26/23	Tue 8/1/23	■																								
26	Detachable Warning Surfaces	5 days	Wed 8/2/23	Tue 8/8/23	■																								
27	Signage and Striping	5 days	Wed 8/9/23	Tue 8/15/23	■																								
28	Final Grading	10 days	Wed 8/16/23	Tue 8/29/23	■																								
29	Restoration	10 days	Wed 8/30/23	Tue 9/12/23	■																								
30	Groundcover Hydroseeding	5 days	Wed 9/13/23	Tue 9/19/23	■																								
31	As-Built Construction Plans	5 days	Wed 9/20/23	Tue 9/26/23	■																								
32	Punch List Completion	20 days	Wed 9/27/23	Tue 10/24/23	■																								
33	Project Closeout	1 day	Wed 10/25/23	Wed 10/25/23	★																								

12/1 ★ Press Release to Public
12/5 ★ Receive Inlets and Pipe

Project Closeout ★

Project: 00082 Date: Wed 11/23/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆	
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆	

MAY RIVER ROAD POCKET PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January				
1	00100 Buck Island Rd Drainage Improvements	658 days	Wed 7/1/20	Fri 1/6/23	◆																												
2	Buck Island Rd Design and Construction Documents	218 days	Mon 1/4/21	Wed 11/3/21	◆																												
4	Buck Island Bidding and Contracts	247 days	Thu 11/4/21	Fri 10/14/22	◆																												
10	Buck Island Construction	60 days	Mon 10/17/22	Fri 1/6/23	◆																												

BUCK ISLAND-SIMMONSVILLE SANITARY SEWER PHASE 5 A-D
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecessors	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023			
1	PHASE 5 A-D	1800 days?	Thu 12/1/16	Wed 10/25/23		◆																															
2	Planning and Conceptual Design	6 days	Thu 12/1/16	Thu 12/8/16		◆◆																															
4	Permitting	474 days	Fri 12/9/16	Wed 10/3/18		◆																															
11	Easements and Land Acquisition	642 days	Mon 4/3/17	Tue 9/17/19		◆																															
16	Bidding and Contracts	50 days	Wed 1/1/20	Tue 3/10/20		◆◆																															
21	Construction	808 days	Mon 9/21/20	Wed 10/25/23		◆																															
45																																					
46																																					

Project: 00044 Date: Thu 11/3/22	Milestone ◆ Critical Task ★	Task Project Duration	 Planning and Conceptual Design  Final Design and Construction Documents  Permitting  Bidding and Contract  Easements and Land Acquisitions  Construction  
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184 BLUFFTON ROAD PARKING IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Predecessors	Finish	July 6/27	8/8	October 9/19	10/31	January 12/12	1/23	April 3/6	4/17	5/29	July 7/10	8/21	October 10/2	11/13	January 12/25
0	00098 Buckwalter Place Parking Improvements	363 days	Sun 8/1/21		Wed 12/21/22	◆													
1	Planning & Conceptual Design	81 days	Sun 8/1/21		Mon 11/22/21	◆													
5	Final Design & Construction Documents	90 days	Tue 10/5/21		Mon 2/7/22	◆													
8	Permitting	120 days	Tue 10/5/21		Mon 3/21/22	◆													
11	Easements & Land Acquisition	21 days	Tue 10/5/21		Tue 11/2/21	◆													
13	Bidding & Contracts	32 days	Mon 8/1/22		Tue 9/13/22	◆													
18	Construction	71 days	Wed 9/14/22		Wed 12/21/22	◆													

Project: 00064 Date: Thu 7/7/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆	
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆	

**CALHOUN STREET STREETScape
PROPOSED SCHEDULE**

ID	Task Name	Duration	Start	Finish	
1	CALHOUN STREET STREETScape	1285 days	Mon 9/7/20	Fri 8/8/25	
2	Final Planning and Construction Documents	545 days	Mon 9/7/20	Fri 10/7/22	
24	Permitting Phase (Phase 1)	101 days	Tue 8/9/22	Tue 12/27/22	
29	Easements and Land Acquisition (Phase 1)	266 days	Mon 7/25/22	Mon 7/31/23	
38	Bidding - Phase 1	90 days	Mon 7/3/23	Fri 11/3/23	
40	Construction Phase 1	250 days	Mon 12/4/23	Fri 11/15/24	

Project: 00042 Date: Mon 12/19/22	Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Bidding and Contract			
	Task		Final Design and Construction Documents		Easements and Land Acquisitions			

COMPREHENSIVE DRAINAGE PLAN IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish
1	Comprehensive Drainage Plan Improvements	1391 days	Thu 7/1/21	Thu 10/29/26
2	Planning	822 days	Mon 8/2/21	Tue 9/24/24
13	Final Design and Construction Documents	566 days	Mon 4/15/24	Mon 6/15/26
16	Bidding and Contracts	608 days	Mon 7/1/24	Wed 10/28/26
19	Construction	1 day	Thu 10/29/26	Thu 10/29/26



Project: 00099	Milestone	◆	Critical Task	★	Task	█	Project Duration	█	Planning and Conceptual Design	◆	Final Design and Construction Documents	◆	Permitting	◆	Bidding and Contract	◆	Easements and Land Acquisitions	◆	Construction	◆
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GARVIN-GARVEY HOUSE INTERPRETIVE SIGNAGE
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	GARVIN-GARVEY HOUSE INTERPRETIVE SIGNAGE	179 days	Tue 3/1/22	Fri 11/4/22	
2	Planning and Conceptual Design	125 days	Mon 3/7/22	Fri 8/26/22	
13	Final Design and Construction Documents	50 days	Mon 8/29/22	Fri 11/4/22	
15	Onsite Installation	23 days	Mon 10/31/22	Wed 11/30/22	
16					

Project: 00081 Date: Mon 9/19/22	Milestone	◆	Project Duration		Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition			
	Task		Final Design and Construction Documents		Bidding and Contracts			

GHOST ROADS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020												2021												2022											
					Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
1	GHOST ROADS	765 days	Thu 9/12/19	Wed 8/17/22	◆																																			
2	Planning and Conceptual Design	765 days	Thu 9/12/19	Wed 8/17/22	◆																																			
3	Preparation of Exhibit	113 days	Thu 9/12/19	Mon 2/17/20	█																																			
4	Owner Meetings	453 days	Mon 10/7/19	Wed 6/30/21	█																																			
5	Quit Claim Deed Execution	708 days	Mon 10/7/19	Wed 6/22/22	█																																			
6	All deeds	40 days	Thu 6/23/22	Wed 8/17/22	█																																			

Project: 00093
Date: Wed 11/23/22

Milestone	◆	Project Duration	◆	Permitting	█	Construction	█
Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	█		
Task	█	Final Design and Construction Documents	◆	Bidding and Contracts	█		

**GOETHE-SHULTS NEIGHBORHOOD IMPROVEMENTS PHASE 2
PROPOSED SCHEDULE**

ID	Task Name	Duration	Start	Finish	1, 2018		Half 2, 2018			Half 1, 2019			Half 2, 2019			Half 1, 2020			Half 2, 2020			Half 1, 2021			Half 2, 2021			Half 1, 2022			Half 2, 2022			Half
					Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
1	GOETHE/SHULTS NEIGHBORHOOD IMPROVEMENTS PHASE 2	970 days	Mon 4/30/18	Fri 1/14/22	◆																													
2	PLANNING AND CONCEPTUAL DESIGN	326 days	Mon 4/30/18	Mon 7/29/19	◆																													
12	FINAL DESIGN AND CONSTRUCTION DOCUMENTS	209 days	Tue 7/30/19	Fri 5/15/20	◆																													
21	PERMITTING	128 days	Mon 5/18/20	Wed 11/11/20	◆																													
25	EASEMENTS AND LAND ACQUISITION	187 days	Mon 4/6/20	Tue 12/22/20	◆																													
32	BIDDING AND CONTRACTS	101 days	Tue 12/1/20	Tue 4/20/21	◆																													
37	CONSTRUCTION	468 days	Wed 4/21/21	Fri 2/3/23	◆																													

Project: 00055
Date: Mon 9/19/22

Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 4
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022												2023								
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
1	PHASE 4	619 days	Mon 11/2/20	Thu 3/16/23	◆																																
2	Planning and Conceptual Design	236 days	Mon 11/2/20	Mon 9/27/21	◆																																
9	Final Design and Construction Documents	160 days	Tue 9/28/21	Mon 5/9/22	◆																																
11	Permitting	40 days	Tue 5/10/22	Mon 7/4/22	◆																																
14	Easements and Land Acquisition	260 days	Tue 9/21/21	Mon 9/19/22	◆																																
17	Bidding and Contracts	91 days	Tue 7/5/22	Tue 11/8/22	◆																																
22	Construction	92 days	Wed 11/9/22	Thu 3/16/23	◆																																

Project: 00073	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
Date: Thu 7/7/22	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 5
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022												2023											
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
1	PHASE 5	669 days	Mon 11/2/20	Thu 5/25/23	◆																																			
2	Planning and Conceptual Design	236 days	Mon 11/2/20	Mon 9/27/21	◆																																			
9	Final Design and Construction Documents	120 days	Tue 9/28/21	Mon 3/14/22	◆																																			
11	Permitting	40 days	Tue 3/15/22	Mon 5/9/22	◆																																			
14	Easements and Land Acquisition	310 days	Tue 9/21/21	Mon 11/28/22	◆																																			
17	Bidding and Contracts	181 days	Tue 5/10/22	Tue 1/17/23	◆																																			
22	Construction	92 days	Wed 1/18/23	Thu 5/25/23	◆																																			

Project: 00074
Date: Wed 11/23/22

Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 6
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecessors	2021												2022												2023								
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
1	PHASE 6	619 days	Mon 11/2/20	Thu 3/16/23		◆																																
2	Planning and Conceptual Design	236 days	Mon 11/2/20	Mon 9/27/21		◆																																
9	Final Design and Construction Documents	120 days	Tue 9/28/21	Mon 3/14/22														◆																				
11	Permitting	40 days	Tue 3/15/22	Mon 5/9/22																										◆								
14	Easements and Land Acquisition	260 days	Tue 9/21/21	Mon 9/19/22														◆																				
17	Bidding and Contracts	131 days	Tue 5/10/22	Tue 11/8/22																										◆								
22	Construction	92 days	Wed 11/9/22	Thu 3/16/23																										◆								

Project: 00075 Date: Thu 7/7/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 2
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecessors	Timeline											
						Half 2, 2018	Half 1, 2019	Half 2, 2019	Half 1, 2020	Half 2, 2020	Half 1, 2021	Half 2, 2021	Half 1, 2022	Half 2, 2022	Half 1, 2023		
1	PHASE 2	1285 days	Mon 7/2/18	Fri 6/2/23		◆											
2	Planning and Conceptual Design	185 days	Mon 7/2/18	Fri 3/15/19		◆											
10	Final Design and Construction Documents	20 days	Mon 3/18/19	Fri 4/12/19		◆											
12	Permitting	55 days	Mon 4/15/19	Fri 6/28/19		◆											
15	Easements and Land Acquisition	550 days	Mon 7/1/19	Fri 8/6/21		◆											
17	Redesign and Construction Documents	185 days	Mon 2/28/22	Fri 11/11/22		◆											
22	Bidding and Contracts	42 days	Mon 11/14/22	Tue 1/10/23		◆											
27	Construction	103 days	Wed 1/11/23	Fri 6/2/23		◆											

Project: 00071 Date: Thu 11/3/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 3
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022												2023								
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	PHASE 3	663 days	Mon 11/2/20	Wed 5/17/23	◆																																
2	Planning and Conceptual Design	236 days	Mon 11/2/20	Mon 9/27/21	◆																																
9	Final Design and Construction Documents	260 days	Tue 9/28/21	Mon 9/26/22	◆																																
11	Permitting	30 days	Tue 9/27/22	Mon 11/7/22	◆																																
14	Easements and Land Acquisition	105 days	Tue 9/21/21	Mon 2/14/22	◆																																
17	Bidding and Contracts	46 days	Tue 11/8/22	Tue 1/10/23	◆																																
22	Construction	91 days	Wed 1/11/23	Wed 5/17/23	◆																																

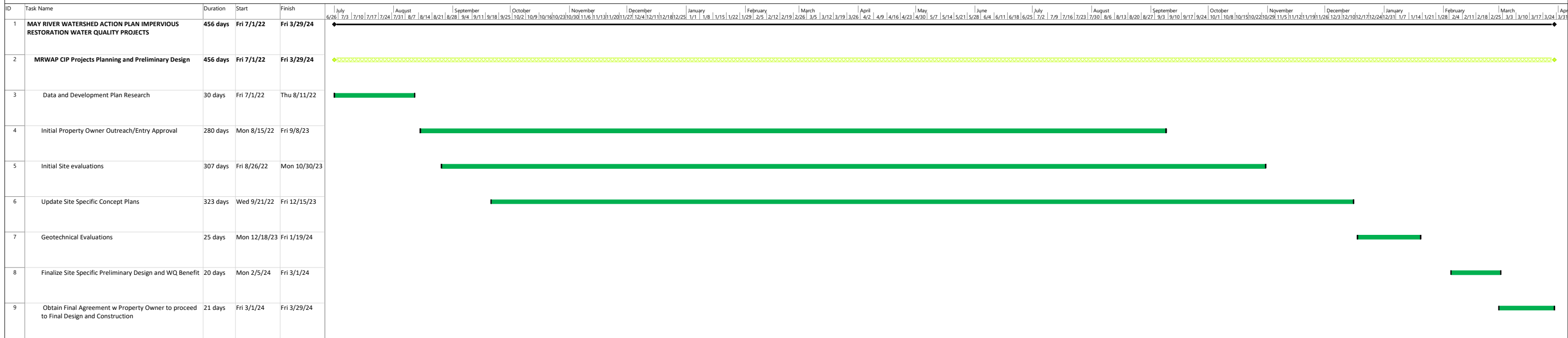
Project: 00072 Date: Thu 11/3/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

MAY RIVER ROAD POCKET PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	MAY RIVER ROAD POCKET PARK	354 days	Thu 7/1/21	Tue 11/8/22	
2	Planning and Conceptual Design	46 days	Thu 7/1/21	Thu 9/2/21	
6	Final Planning and Construction Documents	140 days	Fri 9/3/21	Thu 3/17/22	
13	Permitting	94 days	Mon 11/29/21	Thu 4/7/22	
18	Bidding and Contract	48 days	Fri 3/18/22	Tue 5/24/22	
24	Construction	106 days	Tue 6/14/22	Tue 11/8/22	

Project: 00080 Date: Wed 11/23/22	Milestone Critical Task	◆ ★	Task Project Duration	Planning and Conceptual Design	Permitting	Easements and Land Acquisitions	Final Design and Construction Documents	Bidding and Contract	Construction	
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MAY RIVER WATERSHED ACTION PLAN IMPERVIOUS WATER QUALITY PROJECTS
PROPOSED SCHEDULE



Project: 00105
Date: Fri 9/23/22

Milestone Task Planning and Conceptual Design Permitting Easements and Land Acquisitions
 Critical Task Project Duration Final Design and Construction Documents Bidding and Contract Construction

NEW RIVER LINEAR TRAIL
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	July	August	Septemb	October	Novemb	Decembe	January	February	March	April	May	June	July	August	Septemb	October	Novemb	Decembe	January	February	March	April	May	June	July	August	Septemb	October	Novemb			
1	NEW RIVER LINEAR TRAIL	617 days	Mon 7/5/21	Tue 11/14/23	◆																															
2	Planning	121 days	Mon 7/5/21	Mon 12/20/21	◆																															
14	Final Planning and Construction Documents	154 days	Fri 7/1/22	Wed 2/1/23	◆																															
26	Permitting	121 days	Thu 2/2/23	Thu 7/20/23	◆																															
32	Bidding and Contracts	55 days	Fri 7/21/23	Thu 10/5/23	◆																															
38	Submit Contract for TC Approval	1 day	Tue 11/14/23	Tue 11/14/23	★																															
39																																				
40																																				
41																																				
42																																				
43																																				
44																																				
45																																				

Project 00092 Wed 11/9/22	Project Duration	◆	Critical Task	★	Planning and Conceptual Design	◆	Permitting	◆	Bidding and Contracts	◆
	Task	■	Milestone	◆	Final Design and Construction Documents	◆	Easements and Land Acquisition	◆	Construction	◆

NEW RIVERSIDE BARN PARK - PHASE 1
PROPOSED SCHEDULE

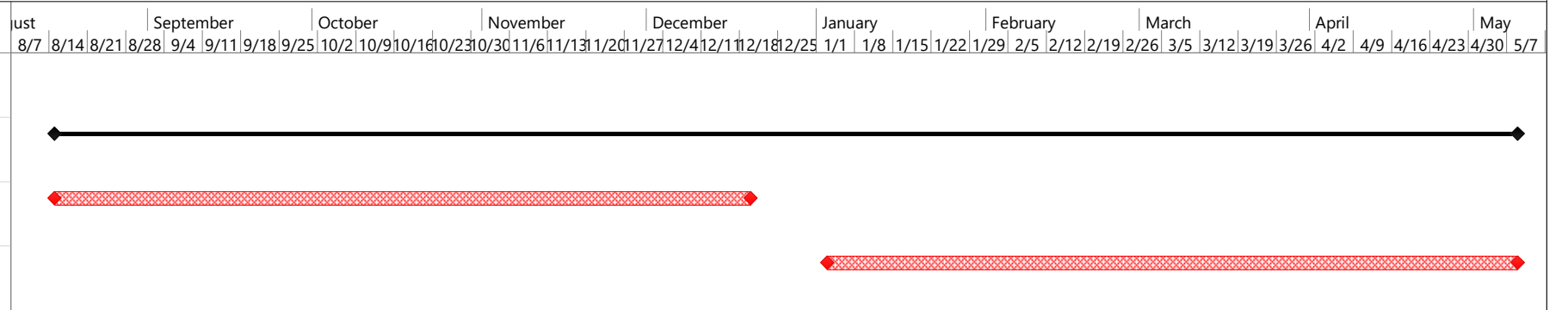
ID	Task Name	Duration	Start	Finish	
1	NEW RIVERSIDE BARN PARK - PHASE 1	296 days	Mon 8/1/22	Mon 9/18/23	
2	Bidding and Contracts	65 days	Mon 8/1/22	Fri 10/28/22	
10	Preconstruction Phase	10 days	Mon 10/31/22	Fri 11/11/22	
14	Construction Phase	221 days	Mon 11/14/22	Mon 9/18/23	

Project: 00085
Date: Wed 11/23/22

Milestone	◆	Task		Planning and Conceptual Design		Permitting		Bidding and Contracts	
Critical Task	★	Project Duration		Final Design and Construction Documents		Easements and Land Acquisition		Construction	

OYSTER FACTORY PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
0	00059 Oyster Factory Parking Improvements	191 days	Mon 8/15/22	Mon 5/8/23	
1	Oyster Factory Park	191 days	Mon 8/15/22	Mon 5/8/23	◆
2	Pre Construction	91 days	Mon 8/15/22	Mon 12/19/22	◆
6	Construction	90 days	Tue 1/3/23	Mon 5/8/23	◆



Project: 00059
Date: Wed 11/23/22

Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
Critical Task		Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
Task		Final Design and Construction Documents	◆	Bidding and Contracts	◆		

PARK IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish																																											
					August 2022				September 2022				October 2022				November 2022				December 2022				January 2023				February 2023				March 2023				April 2023				May 2023				June 2023		
					E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E
1	PARK IMPROVEMENTS - FY 23	240 days	Mon 8/1/22	Fri 6/30/23																																											
2	Final Planning and Construction Documents	122 days	Mon 8/1/22	Tue 1/17/23																																											
10	Bidding and Contracts	55 days	Mon 1/23/23	Fri 4/7/23																																											
16	Construction	60 days	Mon 4/10/23	Fri 6/30/23																																											

Project 00086 Mon 12/5/22	Milestone	◆	Project Duration		Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition			
	Task		Final Design and Construction Documents		Bidding and Contracts			

PATHWAY PEDESTRIAN SAFETY IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	July	August	Septemb	October	Novemb	Decembe	January	February	March	April	May	June	July	August	Septemb	October	Novemb	Decembe	January	Feb				
					E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M
1	Pathway Pedestrian Safety Improvements	414 days	Thu 7/1/21	Tue 1/31/23	◆—————◆																							
2	Planning and Conceptual Design	88 days	Thu 7/1/21	Mon 11/1/21	◆—————◆																							
6	Final Planning and Construction Documents	76 days	Fri 11/5/21	Fri 2/18/22	◆—————◆																							
11	Permitting	154 days	Wed 3/2/22	Mon 10/3/22	◆—————◆																							
18	Bidding and Contract	48 days	Mon 10/3/22	Wed 12/7/22	◆—————◆																							
23	Construction	40 days	Wed 12/7/22	Tue 1/31/23	◆—————◆																							

Project: 00050 Date: Wed 11/23/22	Milestone ◆ Critical Task ★ Task ■	Project Duration ◆—————◆ Planning and Conceptual Design ◆—————◆ Final Design and Construction Documents ◆—————◆	Permitting ◆—————◆ Bidding and Contract ◆—————◆ Easements and Land Acquisitions ◆—————◆	Construction ◆—————◆ ◆—————◆ ◆—————◆
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PRITCHARD STREET DRAINAGE IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	PRITCHARD STREET DRAINAGE IMPROVEMENTS	543 days	Fri 7/1/22	Tue 7/30/24	
2	Pritchard Street Design and Construction Documents	201 days	Fri 7/1/22	Fri 4/7/23	
4	Pritchard Street Bidding and Contracts	37 days	Mon 4/10/23	Tue 5/30/23	
10	Pritchard Street Construction	139 days	Wed 5/31/23	Mon 12/11/23	

Project: 00106 Date: Fri 9/23/22	Milestone Critical Task	◆ ★	Task Project Duration	Planning and Conceptual Design	Permitting	Easements and Land Acquisitions	
				Final Design and Construction Documents	Bidding and Contract	Construction	

SARAH RILEY HOOKS MASTER PLANNING
FY 23 PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Timeline																																	
					August	September	October	November	December	January	February	March																										
1	SARAH RILEY HOOKS COTTAGE MASTER PLAN	315 days	Mon 8/1/22	Fri 10/13/23	7/24	7/31	8/7	8/14	8/21	8/28	9/4	9/11	9/18	9/25	10/2	10/9	10/16	10/23	10/30	11/6	11/13	11/20	11/27	12/4	12/11	12/18	12/25	1/1	1/8	1/15	1/22	1/29	2/5	2/12	2/19	2/26	3/5	3/12
2	Planning	40 days	Mon 8/1/22	Fri 9/23/22																																		
6	Design (Master Planning)	115 days	Mon 9/26/22	Fri 3/3/23																																		

Project 00101 Fri 7/15/22	Milestone		Project Duration		Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition			
	Task		Final Design and Construction Documents		Bidding and Contracts			

WHARF STREET LIGHTING
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2022												2023															
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
1	WARF STREET LIGHTING	552 days	Mon 7/5/21	Tue 8/15/23	◆																											
2	Planning and Conceptual Design	352 days	Mon 7/5/21	Tue 11/8/22	◆																											
12	Permitting	90 days	Wed 11/9/22	Tue 3/14/23	◆																											
14	Easements and Land Acquisition	160 days	Wed 11/9/22	Tue 6/20/23	◆																											
17	Construction	200 days	Wed 11/9/22	Tue 8/15/23	◆																											

Project: 00068 Date: Thu 7/7/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contract	◆		

USCB Water Quality Lab Update

Beaufort County

USCB/Beaufort County Contract MOU: New contract is in place as of 6/7/22 with an expiration of 5 years on 6/6/27.

Amendment #1: Fully executed on 7/28/22 allowing Danielle Mickel to be CO-Principal Investigator and now Lead Principal Investigator of grant contract with Dr. Alan Warren's departure.

Monitoring for 2023 includes monitoring for the following categories:

Category 1: TMDL monitoring

Category 2: IDDE screening and monitoring

Category 3: Water quality monitoring (baseline, based upon 303d list)

Category 4: MOA points

Category 5: Special project monitoring

Status: Fourth quarter is complete.

CIP:

- 1. Mossy Oaks Drainage Study:** Mossy Oaks drainage area plan consists of a bi-monthly collection of four sampling sites; two outfall basins and two upstream basins. **Status:** Bi-monthly sampling has begun in June 2021. A full year's worth of data is completed.
- 2. Pepper Hall Drainage Study:** Pepper Hall property monitoring plan consists of a bi-monthly collection of six sampling sites; 3 inlets and 3 outlets to determine baseline data prior to construction. Sampling will continue during and after construction to measure the effectiveness of BMP's required on-site. **Status:** Bi-monthly sampling began in January 2021. Sample collection has ceased due to lack of access to site locations.
- 3. Port Royal Redevelopment:** The Town of Port Royal continues with WQ monitoring for the four sites in the proposed redevelopment area. The sampling schedule is quarterly wet events and is included in Beaufort County's Monitoring Plan. **Status:** Fourth quarter is complete.

Town of Bluffton

USCB/Town of Bluffton MOU: An amendment to agreement #2012-17 on July 16, 2021, to extend term to 6/30/23.

Amendment #4: Fully executed on 7/22/22 allowing Danielle Mickel to be CO-Principal Investigator and now Lead Principal Investigator of grant contract with Dr. Alan Warren's departure.

Monitoring for 2023 includes monitoring for the following categories: MS4, TMDL, Monthly, MST, CIP, MRWAP and shared locations. Also, sample collection began for Bridge Street sites for wet weather. **Status:** Flow contractor suggested collecting microbiology samples during storm events at 4 locations over the next 6 months. Monitoring for 2022 began with additional sampling sites and increased frequency of 2X a month.

Special Project: A 319-grant funded BMP to be tested by conducting a simulation and dye study at the proposed BMP location. Project simulation occurred on 10/19/2022.

USCB Water Quality Laboratory

Palmetto Bluff: FY 2023 sampling efforts are 12x/year for 6 wet/6 dry events including the additional parameters requested by Town of Bluffton. **Status:** Continued collection.

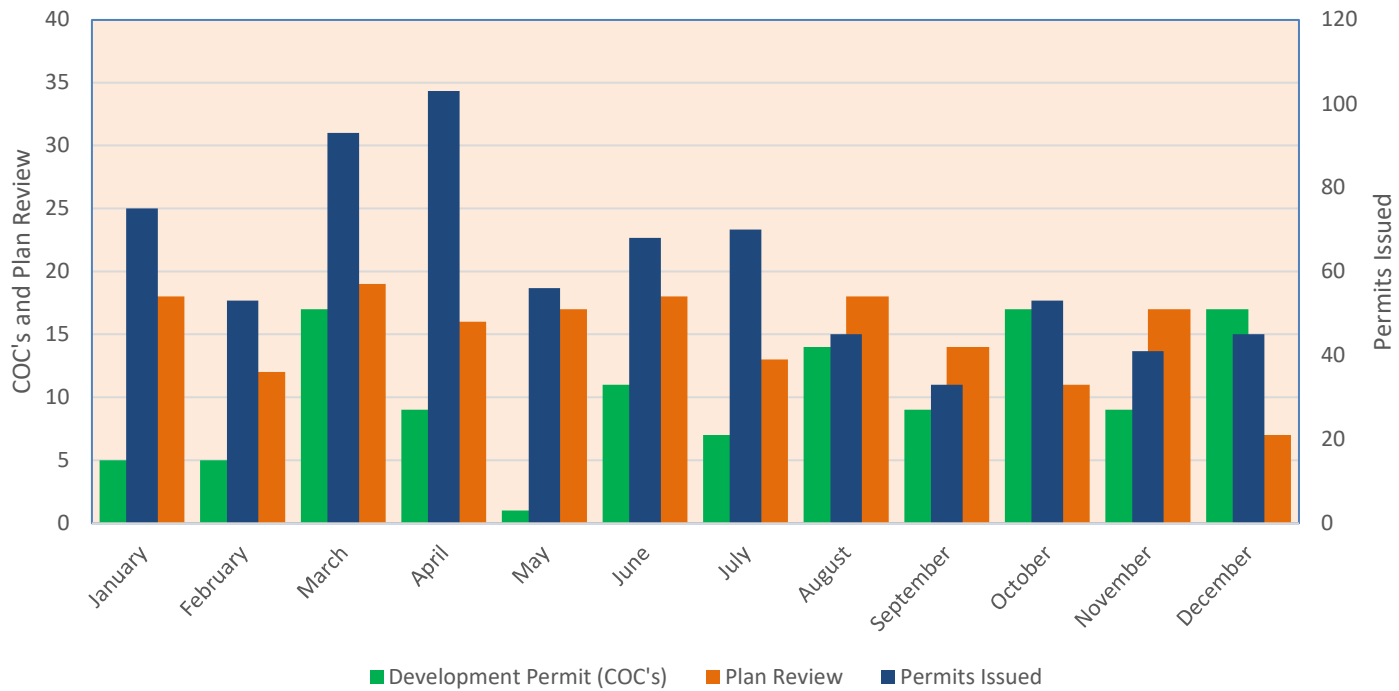
2023 Proficiency testing for the Water Pollution and Water Supply study: Annual PT testing required for all certified laboratory parameters to uphold certification. This study consists of 10 different analyses requiring the analysis of an unknown sample, which is then reported to the PT provider and the State. The passing of all analyses in the study is a requirement to keep laboratory state certification. **Status:** PTs for parameters have been ordered

Standard Operating Procedures and Quality Assurance Manual: Annual update of these documents in its entirety are required to uphold State laboratory certification. **Status:** All SOP's and QAM need to be updated for 2023.

SCDHEC Tri-annual audit: SCDHEC evaluation occurred on 11/30/2022 and certified status continues.

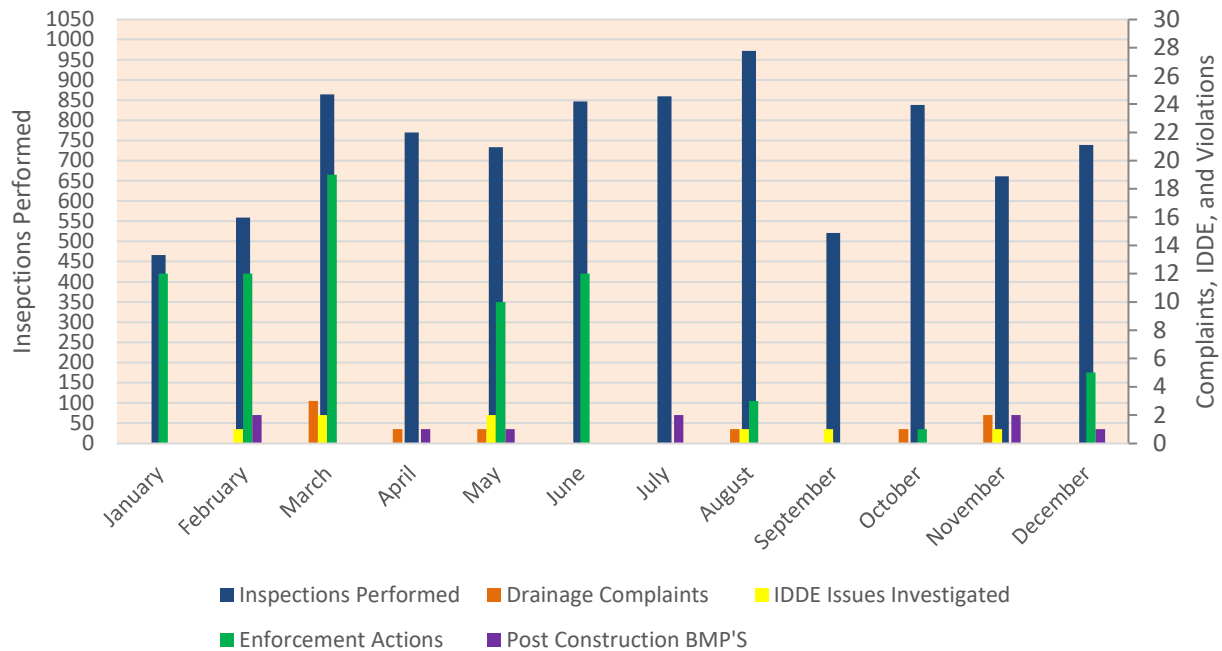
Purchases: New in-situ instrumentation purchased due to old instrumentation being obsolete and repair costs outweigh worth. New instrument is proposed to arrive 8-10 weeks after July 2022. **Status:** We are still waiting on instrument to arrive.

MS4 Minimum Control Measure #5 Stormwater Plan Review



TYPE	January	February	March	April	May	June	July	August	September	October	November	December	Last 12 Months
Development Permit (COC's)	5	5	17	9	1	11	7	14	9	17	9	17	121
Plan Review	18	12	19	16	17	18	13	18	14	11	17	7	180
Permits Issued	75	53	93	103	56	68	70	45	33	53	41	45	735

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	January	February	March	April	May	June	July	August	September	October	November	December	Last 12 Months
Inspections Performed	466	559	864	770	733	847	859	972	521	838	661	739	8829
Drainage Complaints	0	0	3	1	1	0	0	1	0	1	2	0	9
IDDE Issues Investigated	0	1	2	0	2	0	0	1	1	0	1	0	8
Enforcement Actions	12	12	19	10	10	12	0	3	0	1	0	5	74
Post Construction BMP'S	0	2	0	1	1	0	2	0	0	0	2	1	9



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, April 19th, 2023, 2:00 p.m.
County Council Chambers
Beaufort, South Carolina 843.255.2805

1. CALL TO ORDER – 2:00p.m.

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.

- A. Approval of Agenda
- B. Approval of Minutes – February 15th, 2023 (backup)

2. INTRODUCTIONS

3. PUBLIC COMMENT

4. REPORTS

- A. Utility Update – Katie Herrera (backup)
- B. Monitoring Update – Katie Herrera (backup)
- C. Stormwater Implementation Committee Report – Katie Herrera (backup)
- D. Stormwater Related Projects – Julianna Corbin (backup)
- E. Upcoming Professional Contracts Report – Julianna Corbin (backup)
- F. Regional Coordination – Katie Herrera (backup)
- G. Municipal Reports – Katie Herrera (backup)
- H. MS4 Update – Katie Herrera (backup)
- I. Staff Update – Katie Herrera (backup)
- J. Maintenance Projects Report – Matthew Rausch (backup)
- K. Liaison Report - Ms. Alice Howard

5. UNFINISHED BUSINESS

6. NEW BUSINESS

7. PUBLIC COMMENT

8. NEXT MEETING AGENDA

- A. Wednesday, April 19TH 2023 (backup)

9. ADJOURNMENT

