



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

November 9, 2022

Stormwater Utility Board Packet – November 2022

Table of Contents

1. Beaufort County Stormwater Manager Report – [Attached](#)
2. Stormwater Projects Report – [Attached](#)
3. Draft October Minutes – [Attached](#)
4. 12.14.2022 Agenda – [Attached](#)



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, December 14th, 2022, 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 – October 19th, 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

6. NEW BUSINESS

7. PUBLIC COMMENT

8. NEXT MEETING AGENDA

- A. Wednesday, February 15TH 2023 ([backup](#))

9. ADJOURNMENT





Beaufort County Stormwater Management Utility Board (SWMU Board)

Meeting Minutes

October 19th, 2022 at 2:00 p.m.

Evergreen Regional Pond

Board Members

Present

Marc Feinberg
James Clark
Dennis Ross
Bill Baugher

Absent

Ron Buchanan
Ed Warner
Patrick Mitchell
Steve Andrews

Ex-Officio Members

Present

Bill Baugher
Jacob Terry

Absent

Nate Farrow
Jeff Netzinger
Van Willis

Beaufort County Staff

Katie Herrera
Neil Desai
Julianna Corbin
Jon Spencer
Carolyn Wallace

Steven Carter
Tim Thorsen
Scott Youmans
Jacob Bratz
Judah Wood

Visitors

John Slaughter
Lori Maurer
Debbie Felton

1. Meeting called to order – Mr. Marc Feinberg at 2:00 pm

- A. Agenda – Approved
- B. Approval of Minutes – Approved.

2. Introductions – Completed.

3. Public Comment(s):

- ✓ Public comments made by Oldfarms Residents and acknowledged by Board Members.

4. Special Presentations – Evergreen Regional Pond presentation – Julianna Corbin.

Reports

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 –
 - Suggestions for Future Meetings
 - St. Helena Drainage Study – December 2022
 - Mike Johnson – CP&P Pipe – Spring 2023
- ✓ 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 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.

The 2021 Tax Run was completed on time and has been sent to the Assessor’s Office.

Monitoring Update – Mrs. Danielle Mickel

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

Stormwater Implementation Committee (SWIC) Report – Ms. Julianna Corbin

1. CWI reports for FY2022 were sent to each municipality.

Stormwater Related Projects – Ms. Julianna Corbin

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 – Website developed to convey information about the project is live at <https://shellpointdrainage.beaufortcountysc.gov/>. Scope and fee for project management and task orders continue to be finalized; IGA and coordination with SCDOT continues with meeting scheduled for November 8. Grant through the SC Office of Resiliency submitted on October 31.
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- To be contracted through on-call contractor RFQ, which closes on November 4, 2022 (report provided prior to this deadline, results to be delivered in December packet).
9. Bessie’s Lane- Similar project scope to Huspah Court North. To be contracted through on-call contractor RFQ, which closes on November 4, 2022 (report provided prior to this deadline, results to be delivered in December packet).
10. 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. Other projects included in the PIFR for funding allocation were Southside Park (City of Beaufort), Shanklin Rd wetland retrofit (previously removed from CIP plan), improvements to the Beaufort County Administration Building stormwater pond, and additional allocations to the existing stormwater education campaign.

Professional Contracts – Ms. Julianna Corbin

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
 - a. 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, originally scheduled for late October, was delayed to allow for Passive Parks department and Open Land Trust to make updates, to include a path to connect the handicap parking stall to the County owned fishing pier and a permanent irrigation system.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Closeout documents in Town of Bluffton’s possession, closeout pending. Materials needed for 319 Grant closeout have been provided.
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.
 - b) Scope #2 – Southern Lowcountry Design Manual Training – This was completed prior to June of this year. 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 has completed the hydrologic and hydraulic model and continues to run storm scenarios

Scopes on County and Woolpert Radar:

1. Mint Farm and Rivers End Water Quality Retrofits

Regional Coordination – Mrs. Katie Herrera

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

Municipal Reports

- ✓ Town of Bluffton – Mr. Bill Baugher ○
- ✓ Town of Port Royal – Mr. Van Willis ○
- ✓ Town of Hilton Head – Mr. Jacob Terry ○

MS4 Report – Mrs. Katie Herrera

- ✓ Plan Review
- ✓ Stormwater Permits
- ✓ Monthly Inspection Summary ○
- ✓ Public Education – Mrs. Ellen Comeau ○
- ✓ Public Education – Mrs. Katie Herrera ○
- ✓ MS4 Statewide General permit – Katie Herrera ○

Staff Update

- ✓ The Department continues to conduct interviews for all vacant positions in Stormwater.
- ✓ Stormwater Regulatory staff are in full certification education mode with the Master Pond Management, as well as Master Rain Garden held by Clemson University.
- ✓ Katie Herrera was appointed to the Board of Directors for the Southeastern Stormwater Association, beginning in 2023.
- ✓ Johanna Zoran was named the Employee of the Quarter for Public Works between July and September 2022.

Maintenance Report

- ✓ Several major projects and minor projects.

Liaison Report – Beaufort County Council – Alice Howard

Highlights

Unfinished Business – None.

New Business

- ✓ Chairman Marc Feinberg mentioned the need to discuss the next year’s meeting schedule and the next Stormwater Utility Board Meeting.
- ✓ Next meeting Agenda – Approved.

Public Comment

Meeting Adjourned



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September 2022

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Utility Update

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- i) Scope #9 – Arthur Horne Park 319 Grant Funding –Scope completed.
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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 Netzing, Stormwater Manager and Brian Eber, MS4 Coordinator)
 - i. No information was available at time of report.
- 2. Town of Bluffton (From Christina Hurd, 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.

MS4 Report

- 1. Plan Review – [See the attached chart](#) for Beaufort County Stormwater staff plan review workload for the past 12 months.
- 2. Stormwater Permits – [See the attached chart](#) for Beaufort County Stormwater permits issued for the past 12 months.
- 3. Monthly Inspection summary - [See the attached chart](#) for Beaufort County Stormwater staff inspection, complaint, IDDE, and violations summary for the past 12 months.
- 4. Weather Station Data – [See attached report.](#)
- 5. Public Education – [See attached report.](#)
- 6. Energov permitting software – Staff is coordinating with the Zoning department to take over issuance of Stormwater permits.
- 7. MS4 Statewide General permit – No update at this time.

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Staff Update



MEMORANDUM

Date: November 2, 2022

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

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

Major Projects:

- **Wimbee Creek Road – Sheldon (5):** This project improved 3,254 linear feet of drainage system. The scope of work included cleaning out 3,254 linear feet of roadside ditch. Repaired (2) washouts and installed rip rap for erosion control. The total cost was **\$18,454.42.**
- **Jesse Chisholm Road – Sheldon (5):** This project improved 5,160 linear feet of drainage system. The scope of work included cleaning out 4,848 linear feet of channel and 312 linear feet of roadside ditch. Installed (1) access pipe and rip rap for erosion control. The total cost was **\$23,954.16.**

Minor or Routine Projects:

- **Bluffton Vacuum Truck – Bluffton (4):** This project improved 221 linear feet of drainage system. The scope of work included cleaning out (26) catch basins, jetting (11) crossline pipes, (1) driveway pipe, 165 linear feet of channel pipe and 56 linear feet of roadside pipe. The total cost was **\$20,319.44.**
- **Buckwalter Recreation Center – Bluffton (4):** This project improved 80 linear feet of drainage system. The scope of work included installing 80 linear feet of channel pipe, (1) yard inlet box and hand dug 2 swales. The total cost was **\$10,765.94.**
- **Old Jericho Pond – Port Royal Island (6,9):** The scope of work included dewatering and removing debris out of the pond and installing a trash rack. The total cost was **\$13,788.75.**
- **Poppy Hill Road – Port Royal Island (9)** This project improved 540 linear feet of drainage system. The scope of work included cleaning out 540 linear feet of channel ditch and installing 30 linear feet of channel pipe and rip rap for erosion control. The total cost was **\$13,107.22.**
- **Burton Wells Complex – Port Royal Island (6):** This project improved 2,243

linear feet of drainage system. The scope of work included cleaning out 2,143 linear feet of channel and installing 100 linear feet of french drain. Hydroseeded for erosion control. The total cost was **\$12,596.77**.

- **Airport Circle – Lady’s Island (7):** This project improved 694 linear feet of drainage system. The scope of work included cleaning out 694 linear feet of roadside ditch. The total cost was **\$13,107.22**.
- **Oyster Street – Bluffton (4):** This project improved 1,368 linear feet of drainage system. The scope of work included cleaning out 574 linear feet of channel ditch and 794 linear feet of roadside ditch. The total cost was **\$6,246.38**.
- **Sheldon Tree Removal – Sheldon (5):** The scope of work included removing fallen trees from roadside and workshelf. The total cost was **\$3,782.50**.
- **St Helena Island Tree Removal – St Helena Island (8):** The scope of work included removing fallen trees from roadside and workshelf. The total cost was **\$4,452.10**.
- **Lady’s Island Tree Removal – Lady’s Island (7):** The scope of work included removing fallen trees from roadside. The total cost was **\$6,947.31**.
- **Port Royal Island Tree Removal – Port Royal Island (9):** The scope of work included removing fallen trees from roadside and workshelf. The total cost was **\$4,972.36**.
- **Marina Boulevard – Port Royal Island (6,9):** The scope of work included repairing a washout on the workshelf. The total cost was **\$3,160.71**.
- **Public Works Complex Yard Washrack – Port Royal Island (6,9):** The scope of work included repairing a washrack and installing (1) bleeder pipe. The total cost was **\$1,804.55**.
- **ToB Vacuum Truck/FloGuard Maintenance (Reimbursement) – Bluffton (4):** The scope of work included cleaning out (3) catch basins containing stormceptors. The total cost was **\$2,049.26**.
- **CoB Vacuum Truck (Reimbursement) – City of Beaufort (1):** The scope of work included cleaning out (3) catch basins and jetting (1) crossline pipe. The total cost was **\$752.46**.



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Wimbee Creek Road

Activity: Routine/Preventive Maintenance

Duration: 01/11/2022 - 02/14/2022

Narrative Description of Project:

Project improved 3,254 L.F. of drainage system. Cleaned out 3,254 L.F. of roadside ditch. Repaired (2) washouts and installed rip rap for erosion control.

2022-535 / Wimbee Creek Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
AUDIT / Audit Project	3.00	\$98.22	\$0.00	\$0.00	\$0.00	\$60.63	\$158.85
HAUL / Hauling	84.00	\$2,128.18	\$1,601.04	\$1,644.19	\$0.00	\$534.72	\$5,908.13
RPWO / Repaired Washout	24.00	\$616.00	\$156.44	\$32.20	\$0.00	\$399.36	\$1,204.00
RSDCL / Roadside Ditch - Cleanout	208.00	\$5,001.86	\$1,388.11	\$491.66	\$0.00	\$3,040.22	\$9,921.85
SG / Shoot Grade	24.00	\$616.00	\$156.44	\$70.82	\$0.00	\$399.36	\$1,242.62
UC / Utility Coordination	0.50	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
Grand Total	343.50	\$8,472.62	\$3,302.03	\$2,238.87	\$0.00	\$4,440.91	\$18,454.42

Before



During



After





Project: Wimbee Creek Road
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2022-535

Township/SW Dist:
Sheldon/5

Completed:
February 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: 10/11/22

File: C:\project summaries map\Wimbee Creek Road Map 1_2022-535



Project: Wimbee Creek Road
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-535

Township/SW Dist:
Sheldon/5

Completed:
February 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 185370 740 1,110 1,480
Feet

1 inch = 1,000 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Wimbee Creek Road Map 2_2022-535



Project: Wimbee Creek Road
Map #3

Activity: Routine/
Preventive
Maintenance














Project #:
2022-535

Township/SW Dist:
Sheldon/5

Completed:
February 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: 10/11/22

File: C:\project summaries map\Wimbee Creek Road Map 3_2022-535



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Jesse Chisholm Road

Activity: Routine/Preventive Maintenance

Duration: 06/25/2021 - 04/26/2022

Narrative Description of Project:

Project improved 5,160 L.F. of drainage system. Cleaned out 4,848 L.F. of channel ditch and 312 L.F. of roadside ditch. Installed (1) access pipe and rip rap for erosion control.

2021-554 / Jesse Chisholm Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Cost	Total Cost
APEX / Access Pipe - Extended	16.00	\$520.56	\$265.20	\$1,027.11	\$0.00	\$337.52	\$2,150.39
APINS / Access pipe - installed	29.00	\$857.69	\$376.80	\$2,179.94	\$0.00	\$577.27	\$3,991.70
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
BKFILL / Back Fill	24.00	\$689.04	\$241.11	\$165.28	\$0.00	\$467.92	\$1,563.35
CCO / Channel - cleaned out	112.00	\$3,578.94	\$951.75	\$641.58	\$0.00	\$2,209.20	\$7,381.47
HAUL / Hauling	66.00	\$2,209.08	\$1,257.96	\$2,773.97	\$0.00	\$1,381.22	\$7,622.23
HEQ / Haul equipment	6.00	\$189.51	\$17.40	\$24.15	\$0.00	\$116.98	\$348.04
RRI / Rip Rap - Installed	16.00	\$438.32	\$34.80	\$65.55	\$0.00	\$305.36	\$844.03
Grand Total	270.00	\$8,515.87	\$3,145.02	\$6,877.58	\$0.00	\$5,415.68	\$23,954.16

Before



During



After



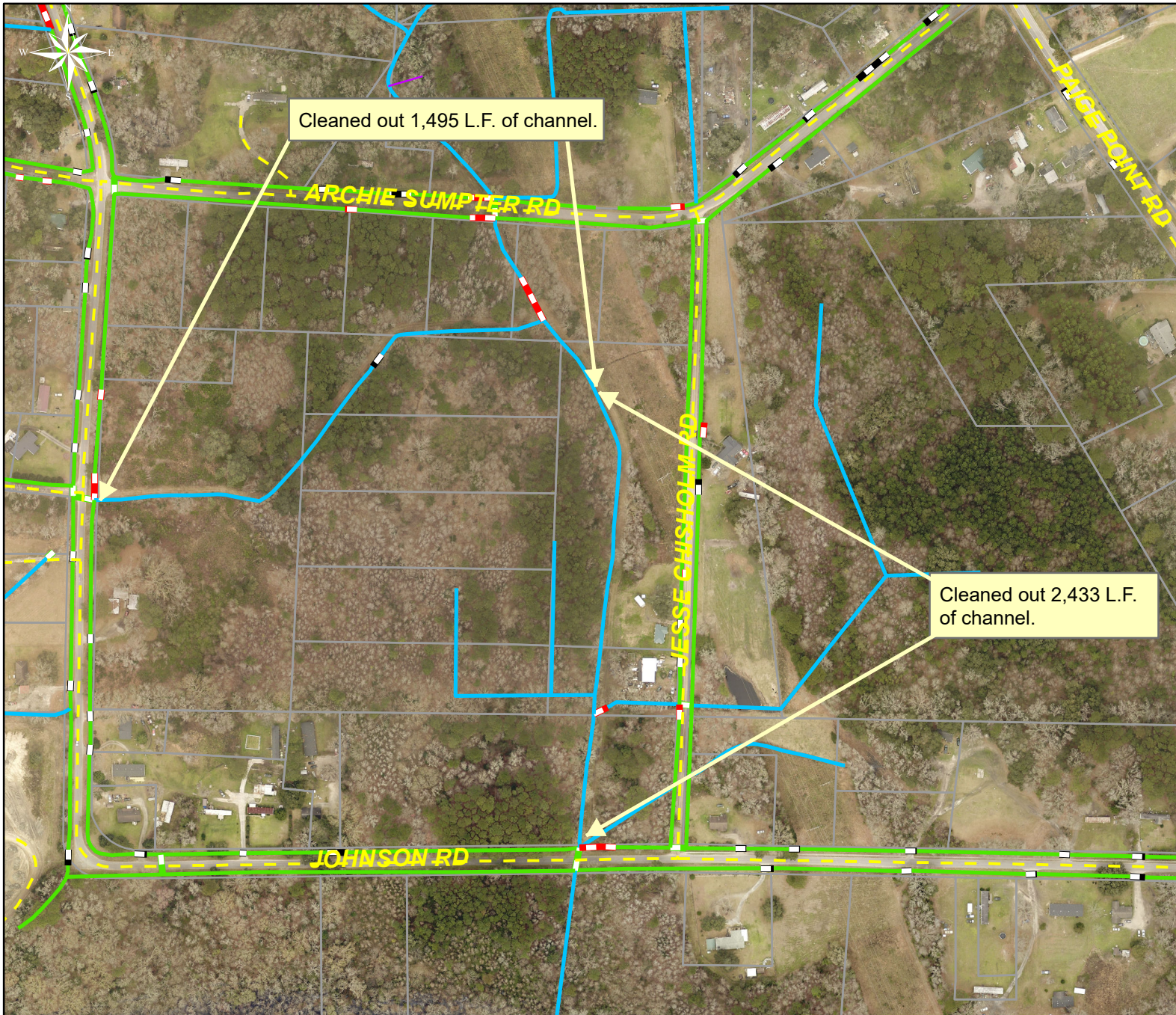
Project: Jesse Chisholm
Road
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2021-554

Township/SW Dist:
Sheldon/5

Completed:
April 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: 11/01/22

File: C:\project summaries map\Jesse Chisholm Rd Map 1_2021-554



Project: Jesse Chisholm Road
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2021-554

Township/SW Dist:
Sheldon/5

Completed:
April 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 150300 600 900 1,200
Feet

1 inch = 830 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/01/22

File: C:\project summaries map\Jesse Chisholm Rd Map 2_2021-554



Project: Jesse Chisholm
Road
Map #3

Activity: Routine/
Preventive
Maintenance














Project #:
2021-554

Township/SW Dist:
Sheldon/5

Completed:
April 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: 11/01/22

File: C:\project summaries map\Jesse Chisholm Rd Map 3_2021-554



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Bluffton Vacuum Truck -

Activity: Routine/Preventive Maintenance

Estill Beach Circle, Sheridian Park Circle, W Morningside Drive, Buck Point Road, Foreman Hill Road, Palmetto Bluff Road, Cherry Point Road, Porcher Road, Okatie Elementary School, Bluffton Road, Buckwalter Parkway, Sailors Choice, Bluffton Drop Off Center, Ninth Ave and Brenton Court.

Duration: 07/07/2021 - 12/17/2021

Narrative Description of Project:

Project improved 221 L.F. of drainage system. Cleaned out (26) catch basins. Jetted (11) crossline pipes, (1) driveway pipe, 165 L.F. of channel pipe and 56 L.F. of roadside pipe.

2022-310 / Bluffton Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	2.00	\$65.48	\$0.00	\$0.00	\$0.00	\$40.42	\$105.90
CBCO / Catch basin - clean out	168.00	\$5,486.75	\$3,236.28	\$893.18	\$0.00	\$3,450.72	\$13,066.93
CLPJT / Crossline Pipe - Jetted	80.00	\$2,612.74	\$1,532.80	\$399.81	\$0.00	\$1,646.40	\$6,191.75
CPJ / Channel Pipe - Jetted	12.00	\$342.07	\$153.28	\$42.00	\$0.00	\$249.48	\$786.83
DPJT / Driveway Pipe - Jetted	2.00	\$65.32	\$38.32	\$23.23	\$0.00	\$41.16	\$168.03
Grand Total	264.00	\$8,572.36	\$4,960.68	\$1,358.22	\$0.00	\$5,428.18	\$20,319.44

Before

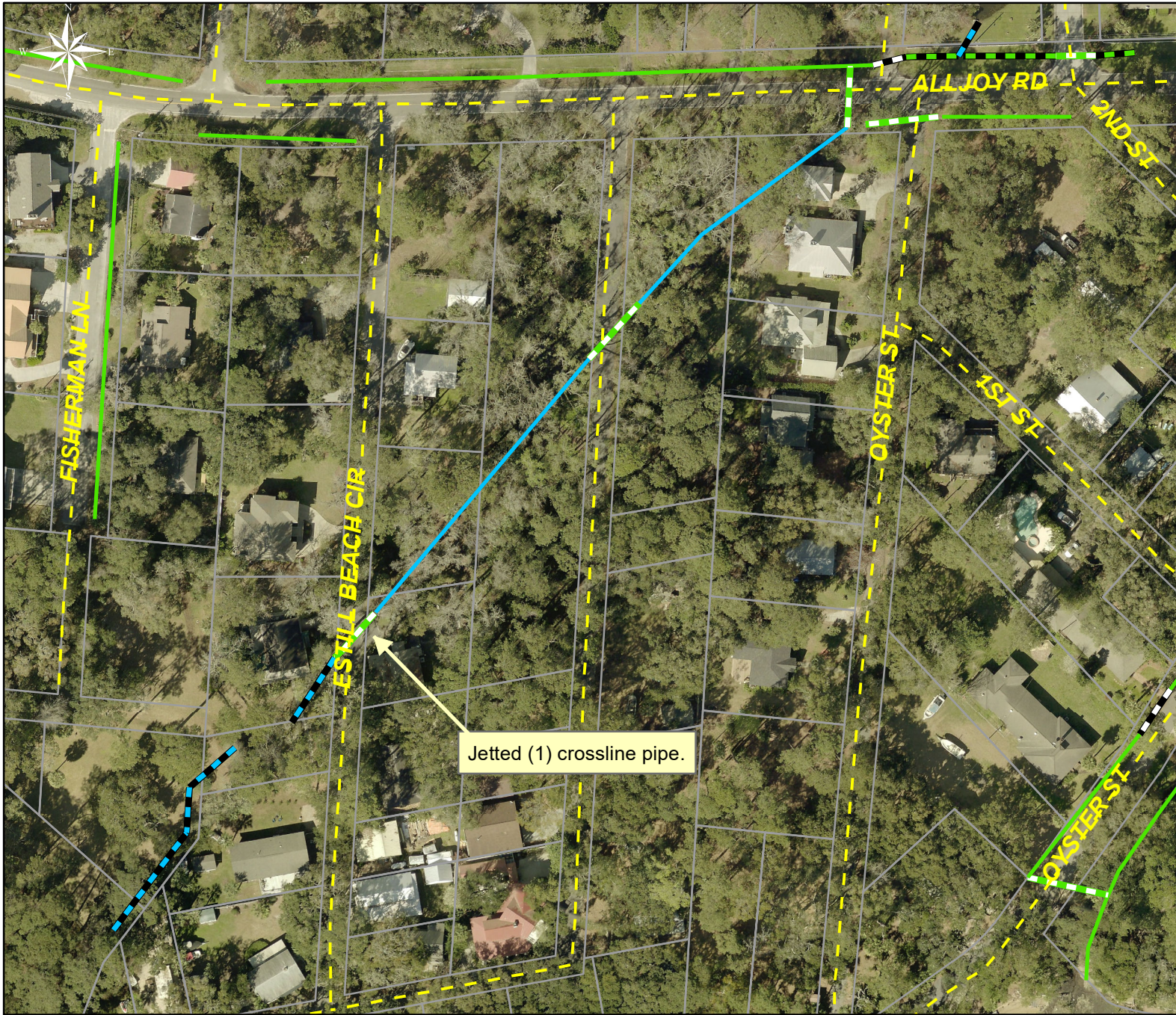


During



After





Project: Bluffton
Vacuum Truck -
Estill Beach Circle
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2022-310

Township/SW Dist:
Bluffton/4

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: 10/05/22

File: C:\project summaries map\Bluffton Vac Truck Map1_2022-310

Project: Bluffton Vacuum Truck - W Morningside Drive Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2022-310

Township/SW Dist: Bluffton/4

Completed: March 2022



Legend	
	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\Bluffton Vac Truck Map2_2022-310

**Project: Bluffton
Vacuum Truck -
W Morningside Drive
Map #3**

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2022-310**

**Township/SW Dist:
Bluffton/4**

**Completed:
March 2022**



Legend	
	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: 05/26/22

File: C:\project summaries map\Bluffton Vac Truck Map3_2022-310

Project: Bluffton
 Vacuum Truck -
 Palmetto Bluff Road
 Map #4

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-310

Township/SW Dist:
 Bluffton/4

Completed:
 March 2022



Legend	
	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: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map4_2022-310



Project: Bluffton
Vacuum Truck -
Porcher Road
Map #5

Activity: Routine/
Preventive
Maintenance














Project #:
2022-310

Township/SW Dist:
Bluffton/4

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: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map5_2022-310



Project: Bluffton
Vacuum Truck -
Okatie Elementary
Map #6

Activity: Routine/
Preventive
Maintenance














Project #:
2022-310

Township/SW Dist:
Bluffton/4

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

Cleaned out (3) catch basins.

0 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map 6_2022-310



Project: Bluffton
Vacuum Truck -
Okatie Bluff Road
Map #7

Activity: Routine/
Preventive
Maintenance

Project #:
2022-310

Township/SW Dist:
Bluffton/4

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 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map 7_2022-310



Project: Bluffton
Vacuum Truck -
Bluffton Drop-Off Center
Map #8

Activity: Routine/
Preventive Maintenance














Project #:
2022-310

Township/SW Dist:
Bluffton/4

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 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map 8_2022-310



Project: Bluffton
Vacuum Truck -
Ninth Avenue
Map #9

Activity: Routine/
Preventive
Maintenance














Project #:
2022-310

Township/SW Dist:
Bluffton/4

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

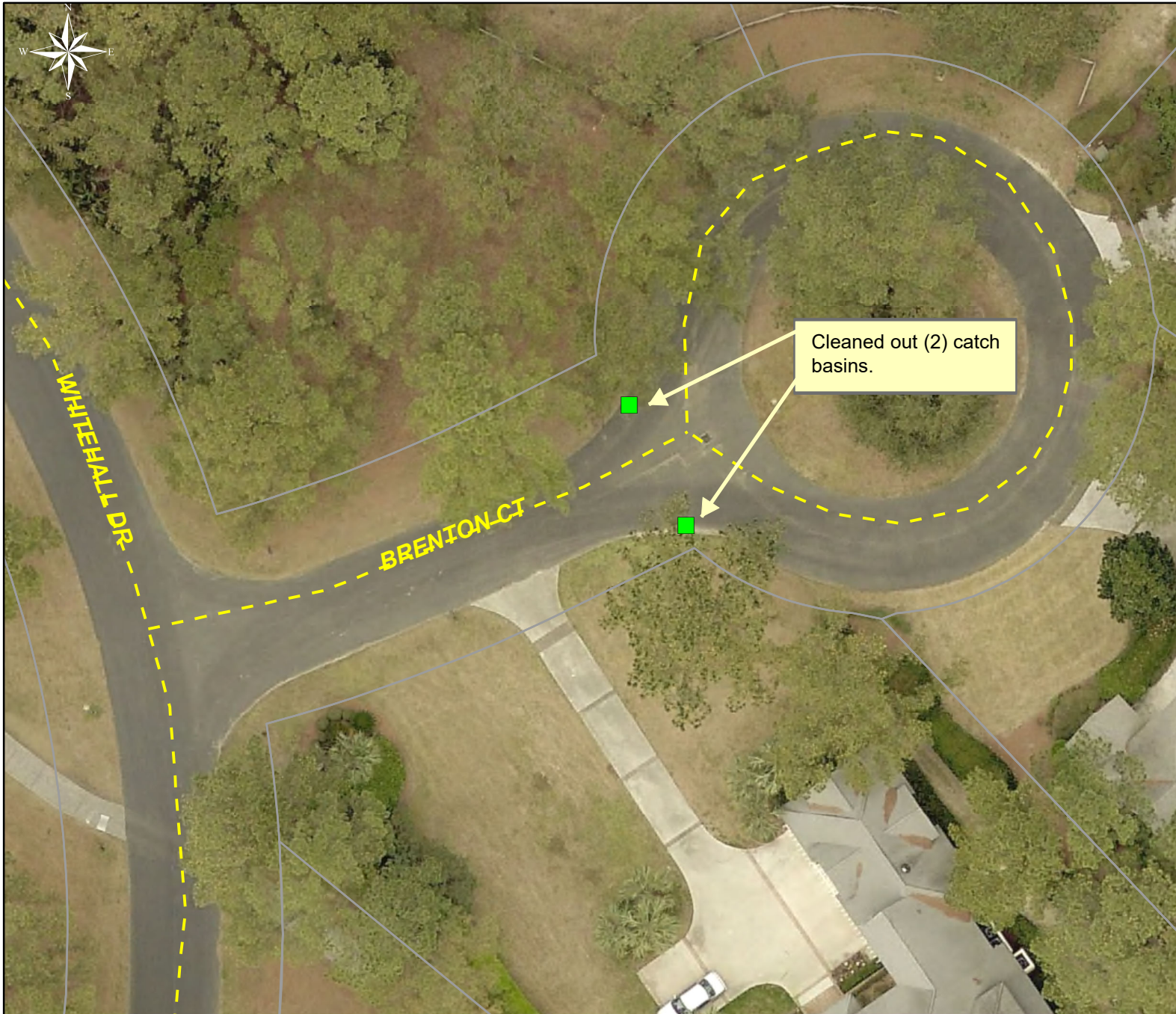


1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map 9 _2022-310



Project: Bluffton
Vacuum Truck -
Brenton Court
Map #10

Activity: Routine/
Preventive
Maintenance














Project #:
2022-310

Township/SW Dist:
Bluffton/4

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 = 33 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map 10 _2022-310

Project: Bluffton
Vacuum Truck -
Sheridan Park Circle
Map #11

Activity: Routine/
Preventive
Maintenance

Project #:
2022-310














Township/SW Dist:
Bluffton/4

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

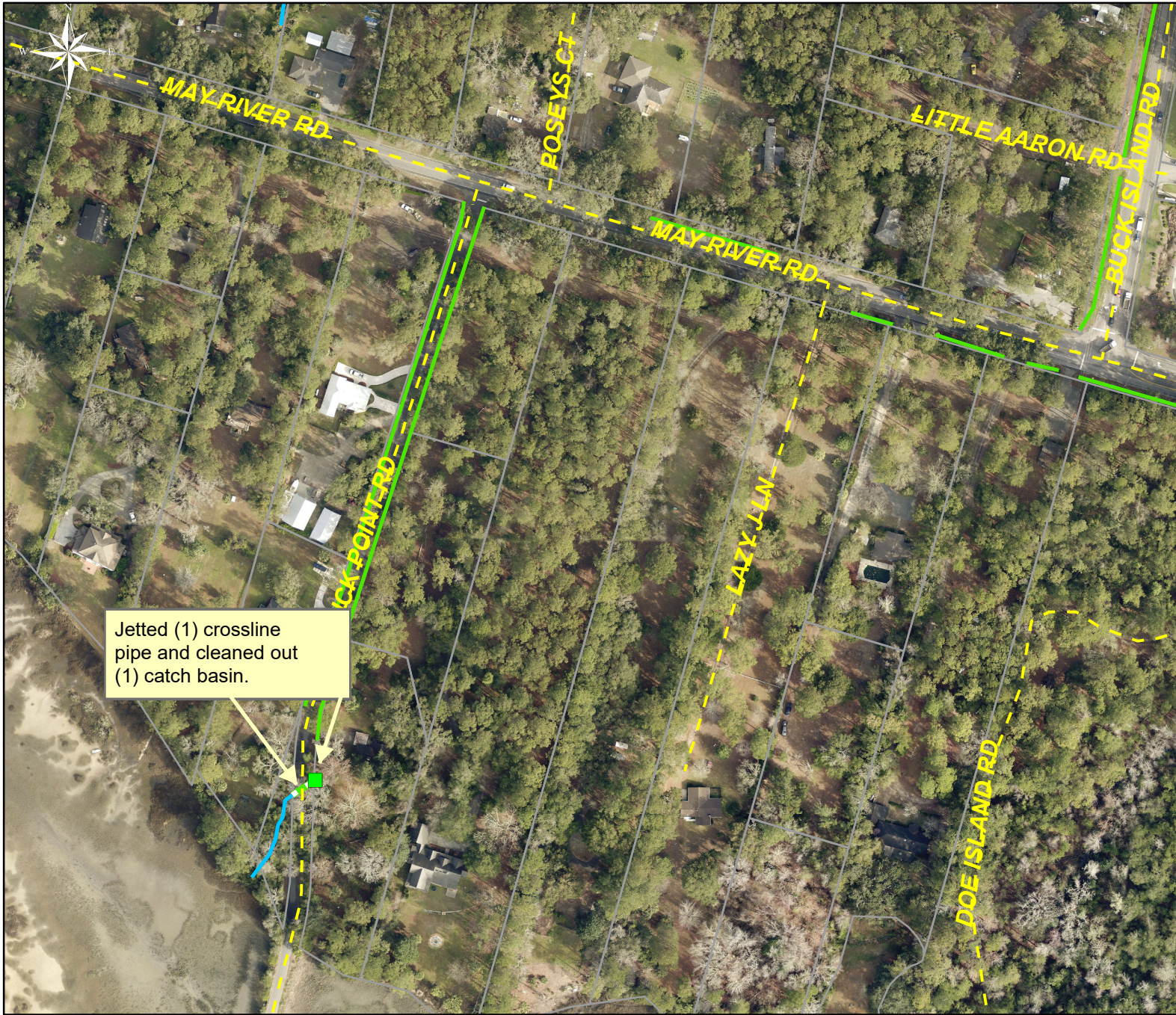
0 12.5 50 75 100
Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/06/22

File: C:\project summaries map\Bluffton Vac Truck Map 11 _2022-310



Project: Bluffton
 Vacuum Truck -
 Buck Point Road
 Map #12














Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-310

Township/SW Dist:
 Bluffton/4

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: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 12_2022-310



Project: Bluffton
Vacuum Truck -
Foreman Hill Road
Map #13

Activity: Routine/
Preventive
Maintenance



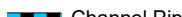



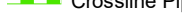



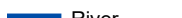


Project #:
2022-310

Township/SW Dist:
Bluffton/4

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 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 13 _2022-310



Project: Bluffton
Vacuum Truck -
Cherry Point Road
Map #14

Activity: Routine/
Preventive
Maintenance

Project #:
2022-310

Township/SW Dist:
Bluffton/4

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 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 14 _2022-310



Project: Bluffton Vacuum Truck - Buckwalter Parkway Map #15







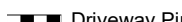


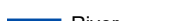



Activity: Routine/ Preventive Maintenance

Project #: 2022-310

Township/SW Dist: Bluffton/4

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 35 70 140 210 280 Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 15_2022-310



Project: Bluffton
Vacuum Truck -
Bluffton Road
Map #16

Activity: Routine/
Preventive
Maintenance







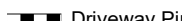


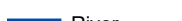



Project #:
2022-310

Township/SW Dist:
Bluffton/4

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 = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 16 _2022-310



Project: Bluffton Vacuum Truck - Sailors Choice Map #17







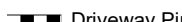


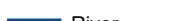



Activity: Routine/ Preventive Maintenance

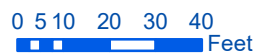
Project #: 2022-310

Township/SW Dist: Bluffton/4

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

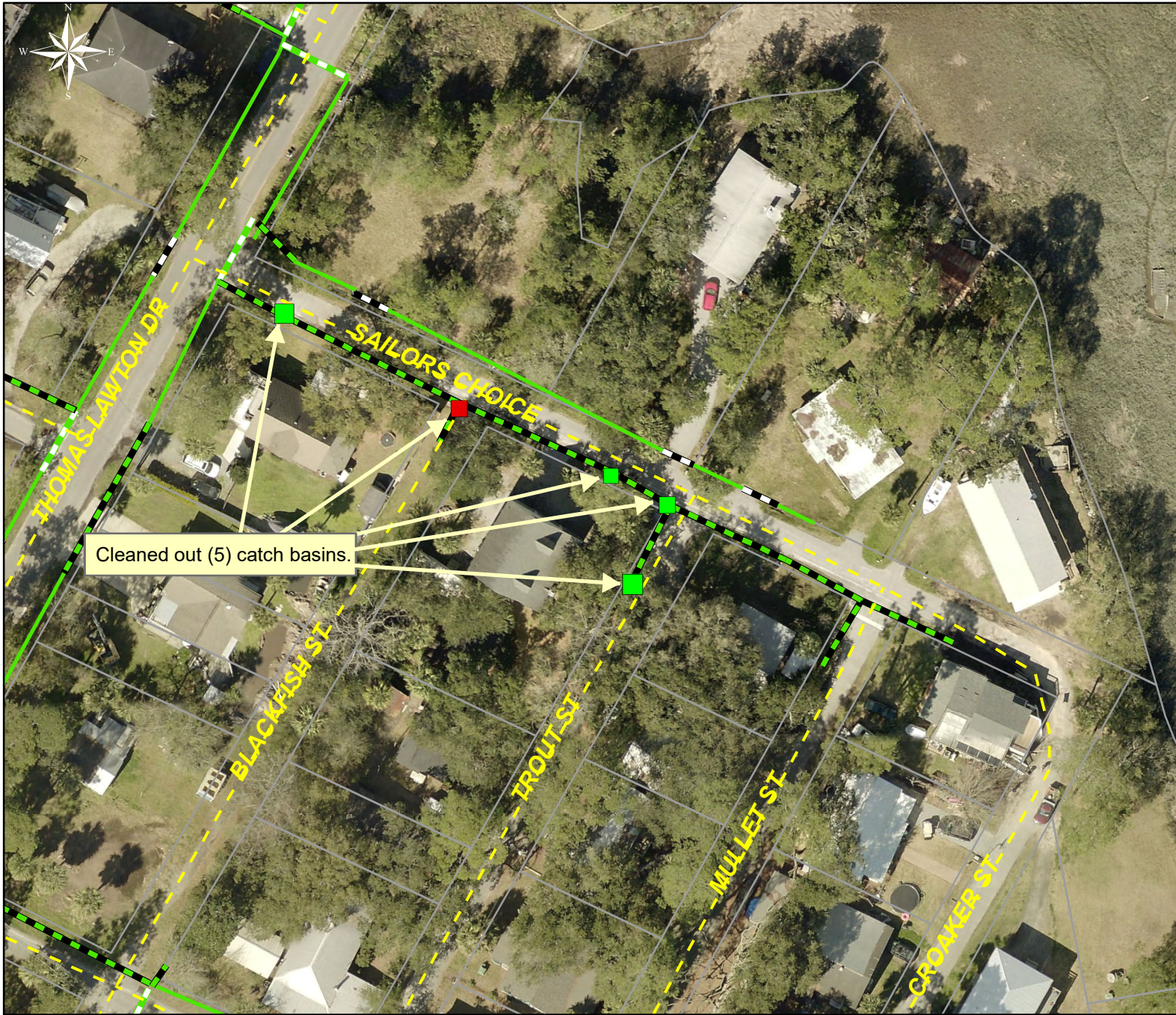


1 inch = 42 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 17 _2022-310



Project: Bluffton
 Vacuum Truck -
 Sailors Choice
 Map #18



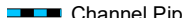
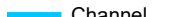


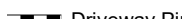






Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-310

Township/SW Dist:
 Bluffton/4

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 = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 18 _2022-310



Project: Bluffton Vacuum Truck - Sailors Choice Map #19

Activity: Routine/ Preventive Maintenance

Project #: 2022-310

Township/SW Dist: Bluffton/4

Completed: March 2022

Legend	
Drainage Type	
Access Pipe	Red dashed line
Bleeder Pipe	Purple dashed line
Channel Pipe	Blue dashed line
Channel	Solid blue line
Stream	Solid blue line
Crossline Pipe	Green dashed line
Driveway Pipe	Black dashed line
Lateral	Orange dashed line
Lateral Pipe	Black dashed line
River	Solid blue line
Road Pipe	Purple dashed line
Roadside	Green dashed line
Roadside Pipe	Green dashed line



1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Bluffton Vac Truck Map 19 _2022-310



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Buckwalter Recreation Center

Activity: Routine/Preventive Maintenance

Duration: 05/25/2021 - 06/29/2022

Narrative Description of Project:

Project improved 80 L.F. of drainage system. Installed 80 L.F. of channel pipe, (1) yard inlet box and hand dug 2 swales.

2021-551 / Buckwalter Recreation Center	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
AW / Administrative Work	1.00	\$41.72	\$0.00	\$0.00	\$0.00	\$0.00	\$41.72
CPI / Channel Pipe - Installation	40.00	\$1,270.00	\$112.54	\$938.27	\$0.00	\$783.92	\$3,104.73
HAUL / Hauling	16.00	\$539.43	\$516.92	\$202.49	\$0.00	\$341.12	\$1,599.96
ONJV / Onsite Job Visit	16.00	\$667.52	\$69.60	\$144.20	\$0.00	\$0.00	\$881.32
PRRECON / Project Reconnaissance	3.00	\$125.16	\$13.05	\$0.00	\$0.00	\$0.00	\$138.21
SCON / Swale - Constructed	40.00	\$1,270.00	\$91.07	\$100.84	\$0.00	\$783.92	\$2,245.83
SREC / Swale - Reconstructed	24.00	\$656.29	\$84.96	\$22.86	\$0.00	\$437.44	\$1,201.55
STAGING / Staging Materials/Equipment	16.00	\$520.76	\$34.80	\$148.32	\$0.00	\$321.44	\$1,025.32
UTLOC / Utility locates	7.00	\$276.40	\$12.87	\$29.16	\$0.00	\$102.96	\$421.39
Grand Total	165.00	\$5,432.77	\$935.81	\$1,586.14	\$0.00	\$2,811.22	\$10,765.94

Before



During



After



Project: Buckwalter
Recreation Center

Activity: Routine/
Preventive
Maintenance

Project #:
2021-551

Township/SW Dist:
Bluffton/4

Completed:
June 2022



Installed 80 L.F. of channel pipe,
and (1) inlet grate.

Hand dig (2) swales.

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: 11/2/22

File: C:\project summaries map\Buckwalter Recreation Center_2021-551



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Old Jericho Pond

Activity: Pond Maintenance

Duration: 05/31/2022 - 10/11/2022

Narrative Description of Project:

Dewatered a pond. Removed debris from pond and installed a trash rack.

2022-320 / Pond Maintenance	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.50	\$49.11	\$0.00	\$0.00	\$0.00	\$30.32	\$79.43
AW / Administrative Work	4.00	\$166.88	\$17.40	\$24.72	\$0.00	\$0.00	\$209.00
CLJS / Cleaned up jobsite	14.00	\$440.52	\$73.11	\$78.66	\$0.00	\$271.92	\$864.21
DWP / Dewatered Pond	16.00	\$603.44	\$34.80	\$28.84	\$0.00	\$166.48	\$833.56
HAUL / Hauling	11.00	\$379.93	\$133.42	\$45.90	\$0.00	\$234.52	\$793.77
HEQ / Haul equipment	8.00	\$276.32	\$152.48	\$70.35	\$0.00	\$170.56	\$669.71
ONJV / Onsite Job Visit	11.00	\$458.92	\$47.85	\$30.48	\$0.00	\$0.00	\$537.25
PI / Project Inspection	1.00	\$41.72	\$4.35	\$2.88	\$0.00	\$0.00	\$48.95
PM / Ponds - Maintenance	92.00	\$2,749.68	\$494.65	\$4,496.99	\$0.00	\$1,178.00	\$8,919.32
STAGING / Staging Materials/Equipment	16.00	\$603.44	\$34.80	\$28.84	\$0.00	\$166.48	\$833.56
Grand Total	174.50	\$5,769.95	\$992.86	\$4,807.66	\$0.00	\$2,218.28	\$13,788.75

Before

(No Picture Available)

During



After





Project: Old Jericho Pond

Activity: Routine/ Preventive Maintenance

Project #: 2022-546

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

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: 11/01/22

File: C:\project summaries map\Old Jericho Pond_2022-564



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Poppy Hill Road

Activity: Routine/Preventive Maintenance

Duration: 02/23/2022 - 03/03/2022

Narrative Description of Project:

Project improved 540 L.F. of drainage system. Cleaned out 540 L.F. of channel ditch. Installed 30 L.F. of channel pipe and rip rap for erosion control.

2022-548 / Poppy Hill 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
CCO / Channel - cleaned out	8.00	\$163.48	\$34.48	\$42.24	\$0.00	\$138.48	\$378.68
CPI / Channel Pipe - Installation	24.00	\$603.68	\$593.12	\$506.43	\$0.00	\$412.64	\$2,115.87
HAUL / Hauling	42.00	\$1,169.38	\$800.52	\$2,034.78	\$0.00	\$514.40	\$4,519.08
HEQ / Haul equipment	12.00	\$349.56	\$228.72	\$201.76	\$0.00	\$215.76	\$995.80
RRI / Rip Rap - Installed	40.00	\$896.92	\$571.62	\$95.26	\$0.00	\$508.64	\$2,072.44
WSREP / Workshelf - Repair	48.00	\$1,268.84	\$682.53	\$192.98	\$0.00	\$828.04	\$2,972.39
Grand Total	175.00	\$4,484.60	\$2,910.99	\$3,073.46	\$0.00	\$2,638.17	\$13,107.22

Before



During



After





Project: Poppy Hill Road

Activity: Routine/ Preventive Maintenance

Project #: 2022-548

Township/SW Dist: Port Royal Island/9

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 = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Poppy Hill Rd_2022-548



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Burton Wells Complex

Activity: Routine/Preventive Maintenance

Duration: 01/03/2022 - 03/08/2022

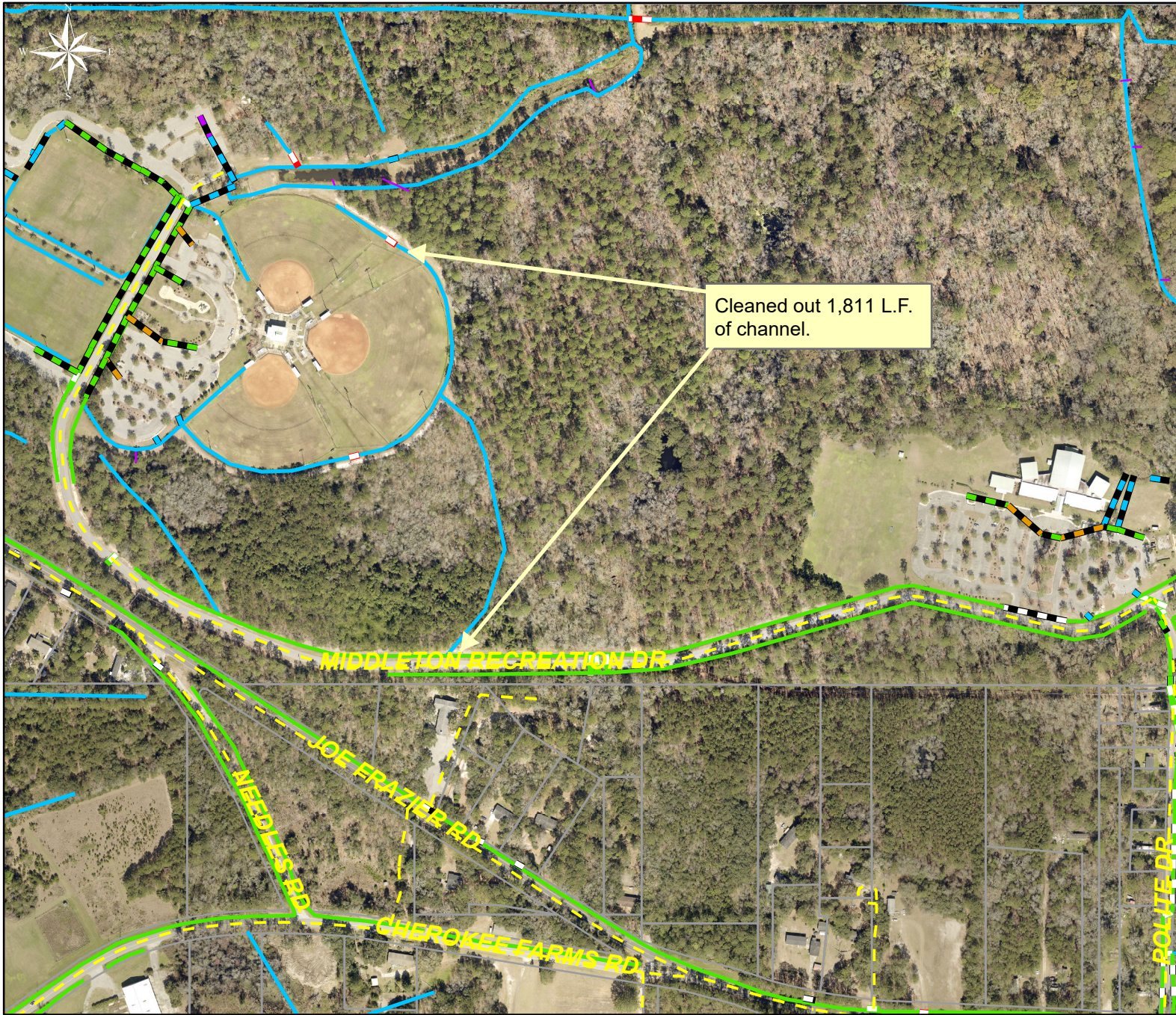
Narrative Description of Project:

Project improved 2,243 L.F. of drainage system. Cleaned out 2,143 L.F. of channel. Installed 100 L.F. of french drain and hydroseeded for erosion control.

2022-534/Burton Wells Complex

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	2.00	\$65.48	\$0.00	\$0.00	\$0.00	\$40.42	\$105.90
CCO / Channel - cleaned out	88.00	\$2,610.56	\$469.58	\$153.76	\$0.00	\$1,398.08	\$4,631.98
HAUL / Hauling	38.50	\$1,208.23	\$733.81	\$142.99	\$0.00	\$688.46	\$2,773.49
HYDR / Hydroseeding	24.00	\$638.12	\$177.82	\$972.46	\$0.00	\$440.84	\$2,229.24
UTLOC / Utility locates	0.50	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
WLINS / Water Line- Installation	48.00	\$1,460.12	\$202.68	\$352.04	\$0.00	\$822.36	\$2,837.20
Grand Total	201.00	\$5,994.86	\$1,583.89	\$1,621.25	\$0.00	\$3,396.78	\$12,596.77

(No Pictures Available)



Project: Burton Wells Complex
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2022-534

Township/SW Dist:
Port Royal Island/6

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 = 420 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/13/22

File: C:\project summaries map\Burton Wells Cpmplex Map 1_2022-534



Project: Burton Wells Complex
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-534

Township/SW Dist:
Port Royal Island/6

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 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/13/22

File: C:\project summaries map\Burton Wells Cplex Map 2_2022-534



Project: Burton Wells Complex
Map #3

Activity: Routine/
Preventive
Maintenance














Project #:
2022-534

Township/SW Dist:
Port Royal Island/6

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 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/13/22

File: C:\project summaries map\Burton Wells Cplex Map 3_2022-534



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Airport Circle

Activity: Routine/Preventive Maintenance

Duration: 05/04/2022 - 05/05/2022

Narrative Description of Project:

Project improved 694 L.F. of drainage system. Cleaned out 694 L.F. of roadside ditch.

2022-558 / Airport Circle	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	8.00	\$163.48	\$34.48	\$42.24	\$0.00	\$138.48	\$378.68
CPI / Channel Pipe - Installation	24.00	\$603.68	\$593.12	\$506.43	\$0.00	\$412.64	\$2,115.87
HAUL / Hauling	42.00	\$1,169.38	\$800.52	\$2,034.78	\$0.00	\$514.40	\$4,519.08
HEQ / Haul equipment	12.00	\$349.56	\$228.72	\$201.76	\$0.00	\$215.76	\$995.80
RRI / Rip Rap - Installed	40.00	\$896.92	\$571.62	\$95.26	\$0.00	\$508.64	\$2,072.44
WSREP / Workshelf - Repair	48.00	\$1,268.84	\$682.53	\$192.98	\$0.00	\$828.04	\$2,972.39
Grand Total	175.00	\$4,484.60	\$2,910.99	\$3,073.46	\$0.00	\$2,638.17	\$13,107.22

Before

(No Picture Available)

During

(No Picture Available)

After





Project: Airport Circle

Activity: Routine/
Preventive
Maintenance














Project #:
2022-558

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 70140 280 420 560
Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility
Date Print: 10/11/22
File: C:\project summaries map\Airport Circle_2022-558



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Oyster Street

Activity: Routine/Preventive Maintenance

Duration: 05/09/2022 - 05/11/2022

Narrative Description of Project:

Project improved 1,368 L.F. of drainage system. Cleaned out 574 L.F. of channel ditch and 794 L.F. of roadside ditch.

2022-559 / Oyster 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	72.00	\$2,043.40	\$382.48	\$384.58	\$0.00	\$1,261.36	\$4,071.82
HAUL / Hauling	16.00	\$482.93	\$304.96	\$103.18	\$0.00	\$298.08	\$1,189.15
HEQ / Haul equipment	16.00	\$418.48	\$152.48	\$103.18	\$0.00	\$258.32	\$932.46
Grand Total	105.00	\$2,977.55	\$839.92	\$590.94	\$0.00	\$1,837.97	\$6,246.38

Before



During



After





Project: Oyster Street
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2022-559

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



1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/13/22

File: C:\project summaries map\Oyster Street Map 1_2022-559



Project: Oyster Street
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2022-559

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 15 30 60 90 120
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/13/22

File: C:\project summaries map\Oyster Street Map 2_2022-559



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Sheldon Tree Removal - Seabrook Road, Prescott Road, Middlefield Circle, Jasmine Hall Road, Wittsell Road and Kinloch Road

Activity: Routine/Preventive Maintenance

Duration: 07/09/2021 - 06/29/2022

Narrative Description of Project:

Removed fallen trees from roadside and workshelf.

2022-415/Sheldon Tree Removal

	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
HAUL / Hauling	4.00	\$131.54	\$76.24	\$28.98	\$0.00	\$81.20	\$317.96
RMTR / Remove trees-roads	24.00	\$695.42	\$71.83	\$36.70	\$0.00	\$402.72	\$1,206.67
RMTRD / Remove trees - Ditch	24.00	\$668.40	\$166.54	\$65.64	\$0.00	\$427.68	\$1,328.26
RMTRW / Remove trees - Workshelf	16.00	\$493.28	\$74.57	\$30.80	\$0.00	\$304.48	\$903.13
Grand Total	68.50	\$2,005.02	\$389.18	\$162.12	\$0.00	\$1,226.19	\$3,782.50

Before



During



After





Project: Sheldon
Tree Removal
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2022-415

Township/SW Dist:
Sheldon/5

Completed:
June 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 87.5175 350 525 700
Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Sheldon Tree Removal Map 1_2022-415



Project: Sheldon
Tree Removal
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2022-415

Township/SW Dist:
Sheldon/5

Completed:
June 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 87.575 350 525 700
Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Sheldon Tree Removal Map 2_2022-415



Project: Sheldon
Tree Removal
Map #3

Activity: Routine/
Preventive
Maintenance














Project #:
2022-415

Township/SW Dist:
Sheldon/5

Completed:
June 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

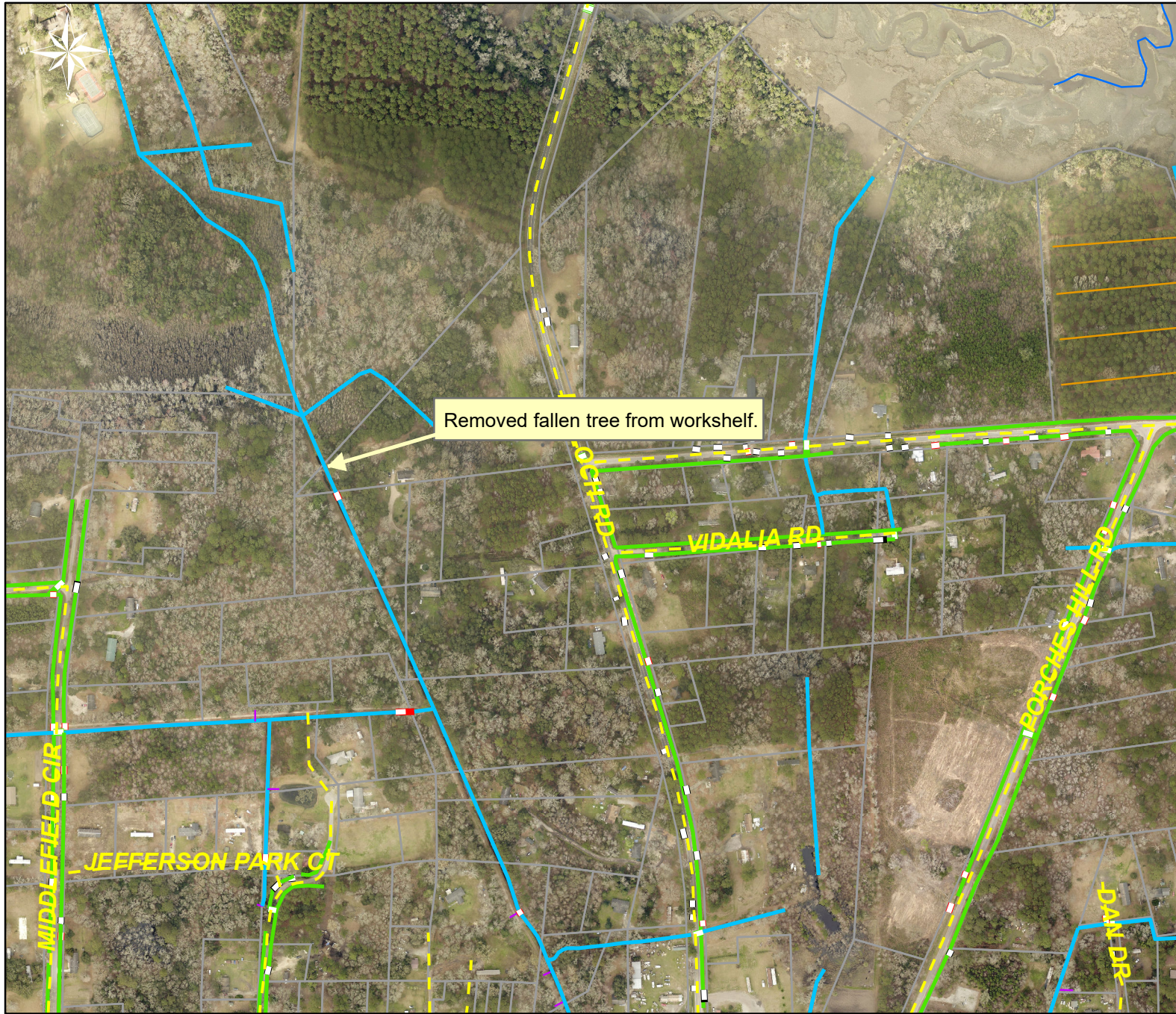
0 87.5175 350 525 700
Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Sheldon Tree Removal Map 3_2022-415



Project: Sheldon
Tree Removal
Map #4

Activity: Routine/
Preventive
Maintenance














Project #:
2022-415

Township/SW Dist:
Sheldon/5

Completed:
June 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

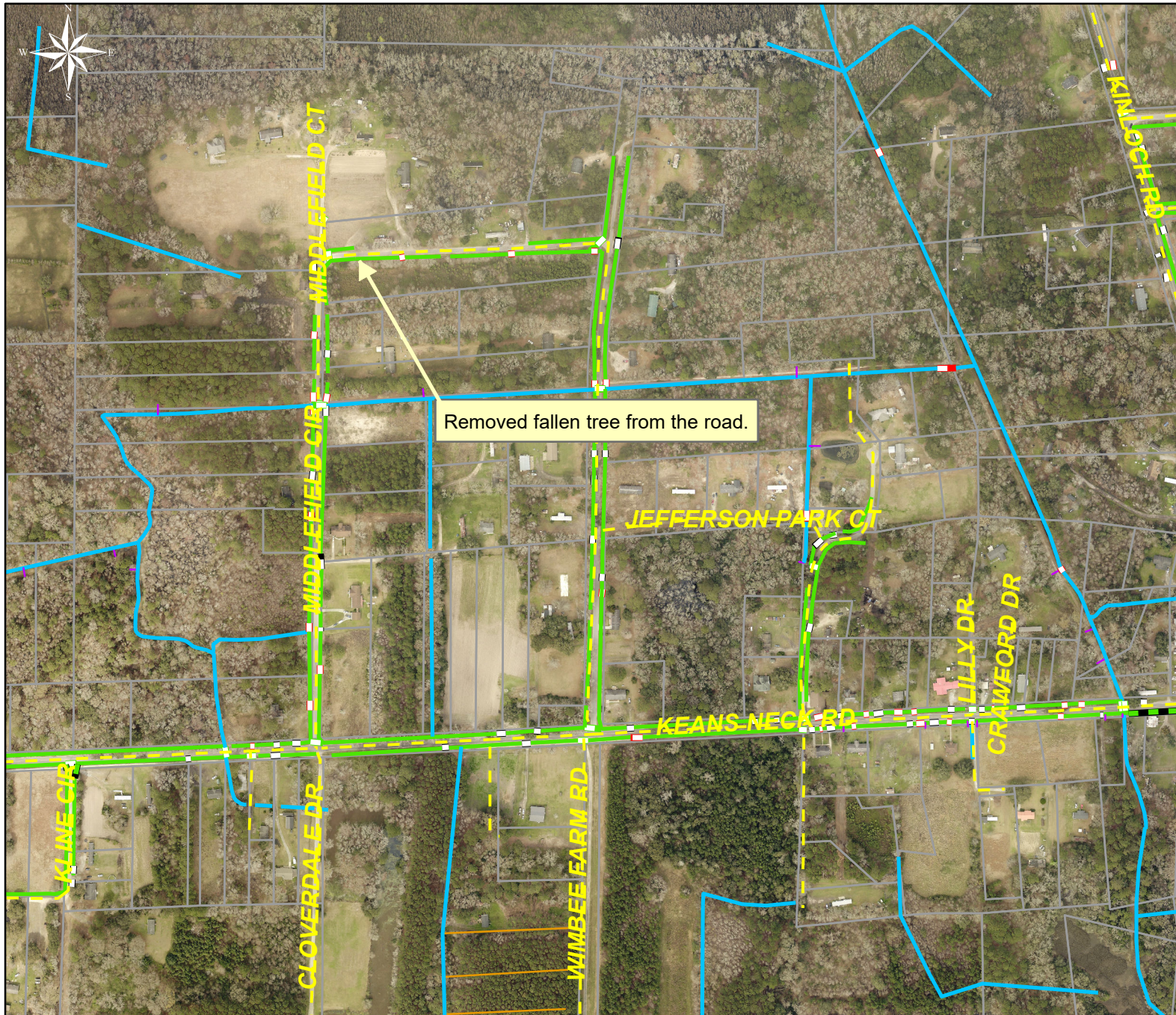
0 87.5 175 350 525 700
Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Sheldon Tree Removal Map 4_2022-415



Project: Sheldon
Tree Removal
Map #5

Activity: Routine/
Preventive
Maintenance














Project #:
2022-415

Township/SW Dist:
Sheldon/5

Completed:
June 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 87.5 175 350 525 700
Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Sheldon Tree Removal Map 5_2022-415

Project: Sheldon
Tree Removal
Map #6

Activity: Routine/
Preventive
Maintenance

Project #:
2022-415

Township/SW Dist:
Sheldon/5

Completed:
June 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 = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Sheldon Tree Removal Map 6_2022-415



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: St Helena Island Tree Removal - Glover Road, Langford Road and Peaches Hill Circle

Activity: Routine/Preventive Maintenance

Duration: 01/03/2022 - 05/19/2022

Narrative Description of Project:

Removed fallen trees from roadside and workshelf.

2022-416A/St Helena Island Tree Removal	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
HAUL / Hauling	8.00	\$276.64	\$152.48	\$58.66	\$0.00	\$174.96	\$662.74
RMTR / Remove trees-roads	40.00	\$1,002.64	\$166.26	\$61.30	\$0.00	\$426.60	\$1,656.80
RMTRW / Remove trees - Workshelf	40.00	\$1,207.14	\$87.00	\$66.78	\$0.00	\$745.16	\$2,106.08
Grand Total	88.50	\$2,502.79	\$405.74	\$186.74	\$0.00	\$1,356.83	\$4,452.10

(No Pictures Available)



Project: St Helena
Island Tree Removal -
Glover Road
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2022-416A

Township/SW Dist:
St Helena Island/8

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



1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/13/22

File: C:\project summaries map\St Helena Island Tree Removal Map 1_2022-416A



Project: St Helena
Island Tree Removal
- Langford Road
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-416A

Township/SW Dist:
St Helena Island/8

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



1 inch = 250 feet

Prepared By: BC Stormwater Management Utility
Date Print: 10/13/22
File: C:\project summaries map\St Helena Island Tree Removal Map 2_2022-416A



Project: St Helena Island Tree Removal - Peaches Hill Circle Map #3

Activity: Routine/ Preventive Maintenance

Project #: 2022-416A

Township/SW Dist: St Helena Island/8

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 70 140 280 420 560 Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/13/22

File: C:\project summaries map\St Helena Island Tree Removal Map 3_2022-416A



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lady's Island Tree Removal - Rue Du Bois, Fiddler Drive, Sangster Road and Faculty Drive

Activity: Routine/Preventive Maintenance

Duration: 01/03/2022 - 04/18/2022

Narrative Description of Project:

Removed fallen trees from roadside.

2022-413/Lady's Island Tree Removal

	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
HAUL / Hauling	30.00	\$919.20	\$571.80	\$270.21	\$0.00	\$468.18	\$2,229.39
HEQ / Haul equipment	8.00	\$233.04	\$152.48	\$61.44	\$0.00	\$151.04	\$598.00
RMTR / Remove trees-roads	65.00	\$1,738.40	\$556.23	\$340.90	\$0.00	\$887.69	\$3,523.22
RMTRD / Remove trees - Ditch	12.00	\$341.82	\$17.40	\$0.00	\$0.00	\$211.00	\$570.22
Grand Total	115.50	\$3,248.83	\$1,297.91	\$672.55	\$0.00	\$1,728.02	\$6,947.31

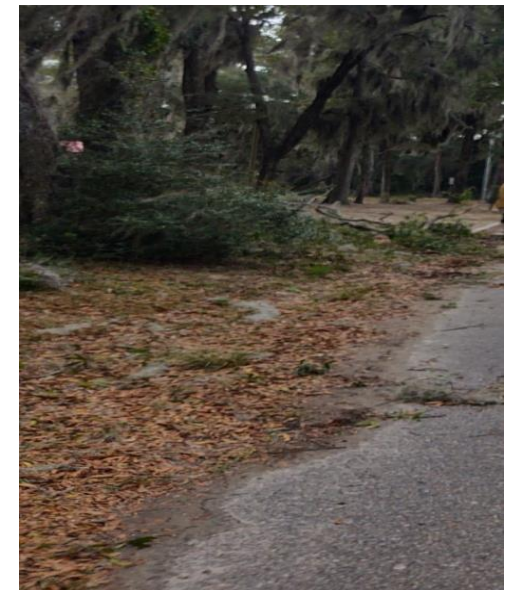
Before

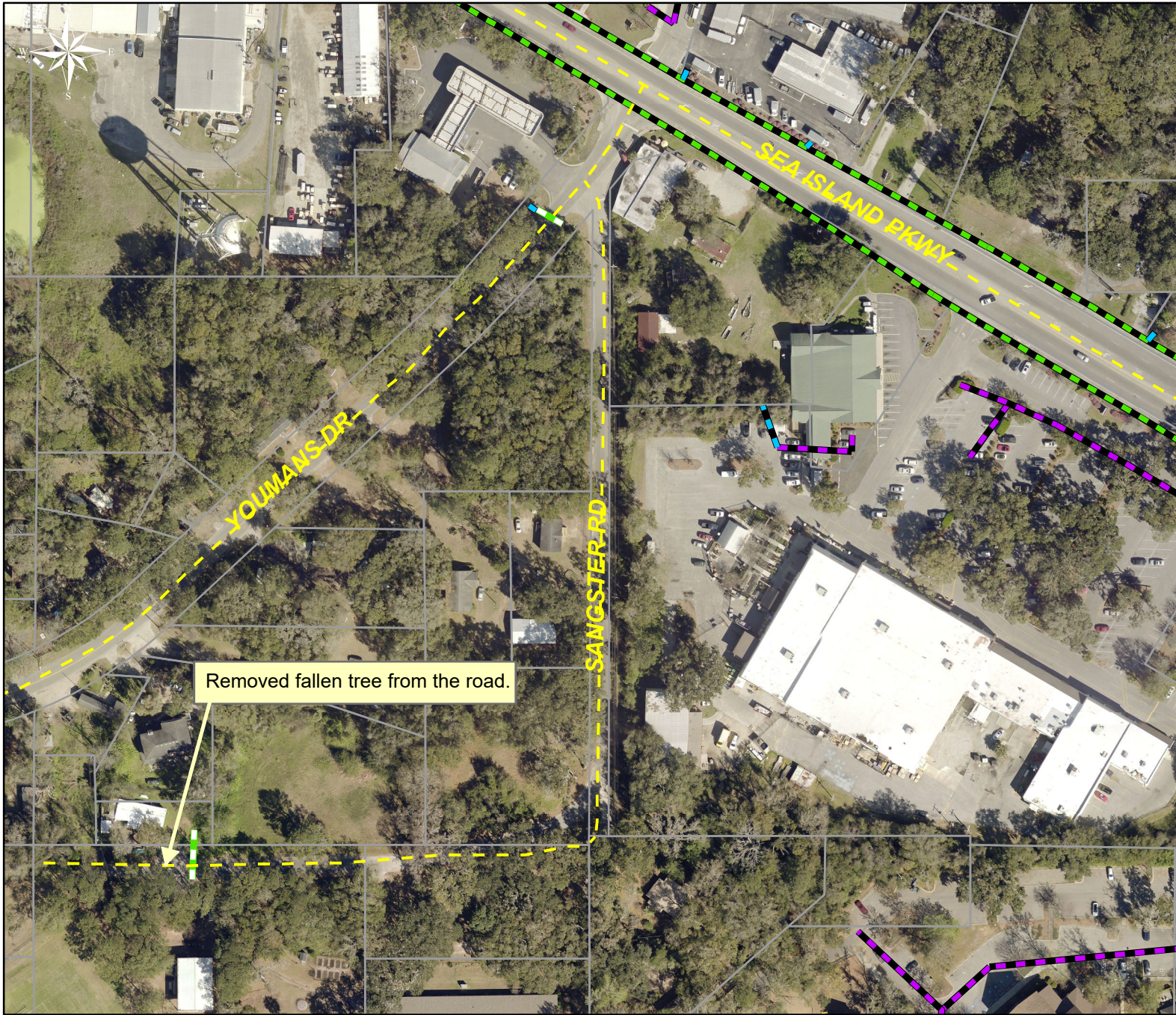
(No Picture Available)

During



After





Project: Lady's Island
Tree Removal -
Sangster Road
Map #1

Activity: Routine/
Preventive
Maintenance

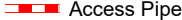












Project #:
2022-413

Township/SW Dist:
Lady's Island/7

Completed:
April 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: 10/13/22

File: C:\project summaries map\Lady's Island Tree Removal Map 1_2022-413

Project: Lady's Island
Tree Removal - Rue
Du Bois
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-413

Township/SW Dist:
Lady's Island/7

Completed:
April 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: 10/13/22

File: C:\project summaries map\Lady's Island Tree Removal Map 2_2022-413



Project: Lady's Island
 Tree Removal -
 Fiddler Drive
 Map #3

Activity: Routine/
 Preventive
 Maintenance














Project #:
 2022-413

Township/SW Dist:
 Lady's Island/7

Completed:
 April 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: 10/13/22

File: C:\project summaries map\Lady's Island Tree Removal Map 3_2022-413



Project: Lady's Island
 Tree Removal -
 Faculty Drive
 Map #4

Activity: Routine/
 Preventive
 Maintenance

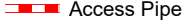












Project #:
 2022-413

Township/SW Dist:
 Lady's Island/7

Completed:
 April 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: 10/13/22

File: C:\project summaries map\Lady's Island Tree Removal Map 4_2022-413



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Tree Removal - Leo Green Road, Poppy Hill Road, Clydesdale Circle and Walker Circle.

Activity: Routine/Preventive Maintenance

Duration: 01/14/2022 - 06/24/2022

Narrative Description of Project:

Removed fallen trees from roadside and workshelf.

2022-414A/Port Royal Island Tree Removal

	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
DEBREM / Debris Removal - Jobsite	12.00	\$346.68	\$34.48	\$96.90	\$0.00	\$214.00	\$692.06
HAUL / Hauling	12.00	\$418.04	\$228.72	\$121.94	\$0.00	\$258.04	\$1,026.74
RMTR / Remove trees-roads	12.00	\$369.08	\$38.87	\$18.89	\$0.00	\$239.28	\$666.12
RMTRW / Remove trees - Workshelf	48.00	\$1,414.00	\$346.09	\$90.92	\$0.00	\$709.96	\$2,560.97
Grand Total	84.50	\$2,564.17	\$648.16	\$328.65	\$0.00	\$1,431.39	\$4,972.36

Before

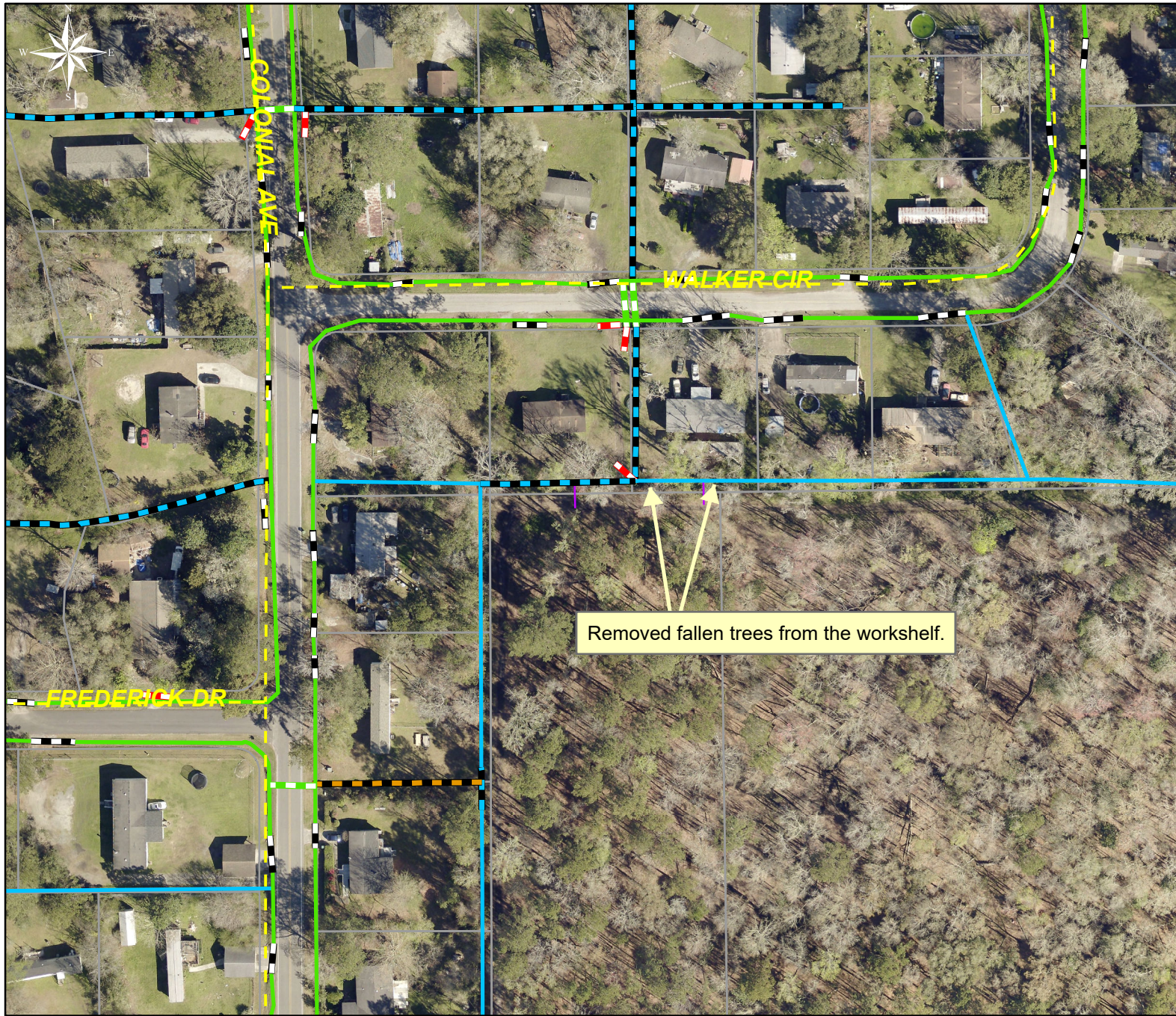


During



After





Project: Port Royal
Island Tree Removal
Map #1

Activity: Routine/
Preventive
Maintenance














Project #:
2022-414

Township/SW Dist:
Port Royal Island/9

Completed:
June 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: 10/11/22

File: C:\project summaries map\Port Royal Island Tree Removal Map1_2022-414



Project: Port Royal
Island Tree Removal
Map #2

Activity: Routine/
Preventive
Maintenance














Project #:
2022-414

Township/SW Dist:
Port Royal Island/9

Completed:
June 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: 10/11/22

File: C:\project summaries map\Port Royal Island Tree Removal Map2_2022-414



Project: Port Royal
Island Tree Removal
Map #3

Activity: Routine/
Preventive
Maintenance














Project #:
2022-414

Township/SW Dist:
Port Royal Island/9

Completed:
June 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: 10/11/22

File: C:\project summaries map\Port Royal Island Tree Removal Map3_2022-414

Project: Port Royal
Island Tree Removal
Map #4

Activity: Routine/
Preventive
Maintenance

Project #:
2022-414

Township/SW Dist:
Port Royal Island/9

Completed:
June 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 = 670 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/11/22

File: C:\project summaries map\Port Royal Island Tree Removal Map4_2022-414



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Marina Boulevard

Activity: Routine/Preventive Maintenance

Duration: 03/17/2022

Narrative Description of Project:

Repaired a washout on the workshelf.

2022-554 / Marina Boulevard

	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	8.00	\$263.12	\$152.48	\$167.31	\$0.00	\$162.40	\$745.31
RPWO / Repaired Washout	48.00	\$1,281.36	\$238.53	\$239.12	\$0.00	\$629.92	\$2,388.93
Grand Total	56.50	\$1,560.85	\$391.01	\$406.43	\$0.00	\$802.43	\$3,160.71

(No Pictures Available)



Project: Marina Boulevard

Activity: Routine/ Preventive Maintenance

Project #: 2022-554

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

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: 10/14/22
 File: C:\project summaries map\Marina Boulevard_2022-551



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Public Works Complex Yard Washrack

Activity: Routine/Preventive Maintenance

Duration: 06/13/2022 - 07/27/2022

Narrative Description of Project:

Repaired washrack and installed (1) bleeder pipe.

2022-568 / Public Works Complex Yard Washrack	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
BPINST / Bleeder pipe - Installed	3.00	\$125.16	\$204.12	\$713.38	\$0.00	\$0.00	\$1,042.66
LW / Level Worksite	8.00	\$259.80	\$0.00	\$0.00	\$0.00	\$160.36	\$420.16
ONJV / Onsite Job Visit	2.00	\$83.44	\$8.70	\$0.00	\$0.00	\$0.00	\$92.14
PP / Project Preparation	4.00	\$166.88	\$17.40	\$12.36	\$0.00	\$0.00	\$196.64
Grand Total	18.00	\$668.02	\$230.22	\$725.74	\$0.00	\$180.57	\$1,804.55

Before



During



After





Project: Yard Wash Rack

Activity: Routine/ Preventive Maintenance














Project #: 2022-568

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

Completed: July 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: 11/01/22

File: C:\project summaries map\Yard Wash Rack_2022-568



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: ToB Vacuum Truck FloGuard Maintenance (Reimbursement) May
River Road

Activity: Routine/Preventive Maintenance
Duration: 09/19/2022

Narrative Description of Project:

Cleaned out (3) catch basins containing stormceptors.

**2023-530 / ToBluffton Vacuum Truck FloGuard
Maintenance (Reimbursement)**

AUDIT / Audit Project

CBCO / Catch basin - clean out

Grand Total

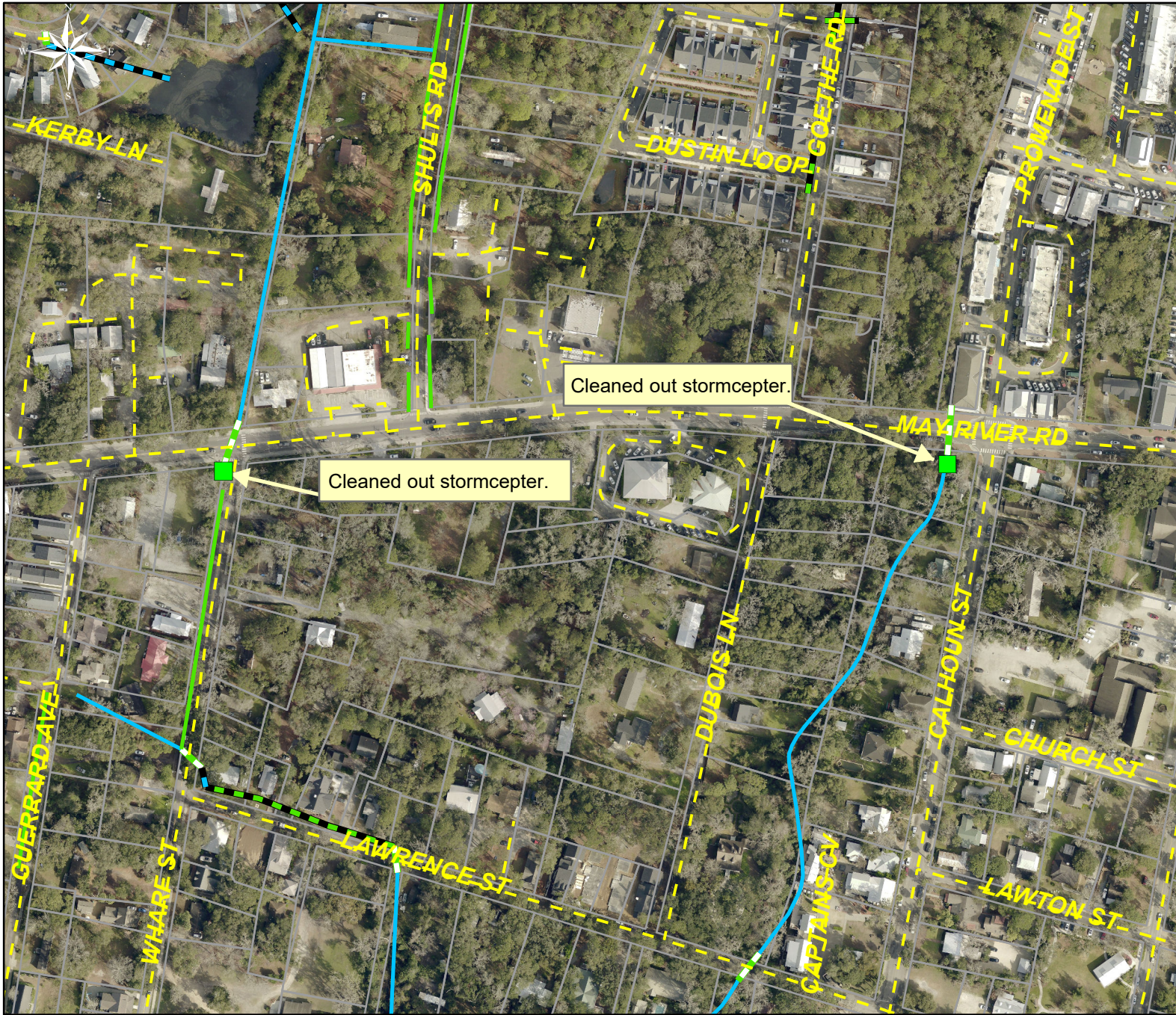
Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
0.50	\$16.37	\$0.00	\$0.00	\$0.00	\$10.11	\$26.48
40.00	\$1,053.32	\$341.36	\$192.42	\$0.00	\$435.68	\$2,022.78
40.50	\$1,069.69	\$341.36	\$192.42	\$0.00	\$445.79	\$2,049.26

Before

During

After





Project: Town Of Bluffton Vac Truck (Reimbursement) Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2023-530

Township/SW Dist: Bluffton/4

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

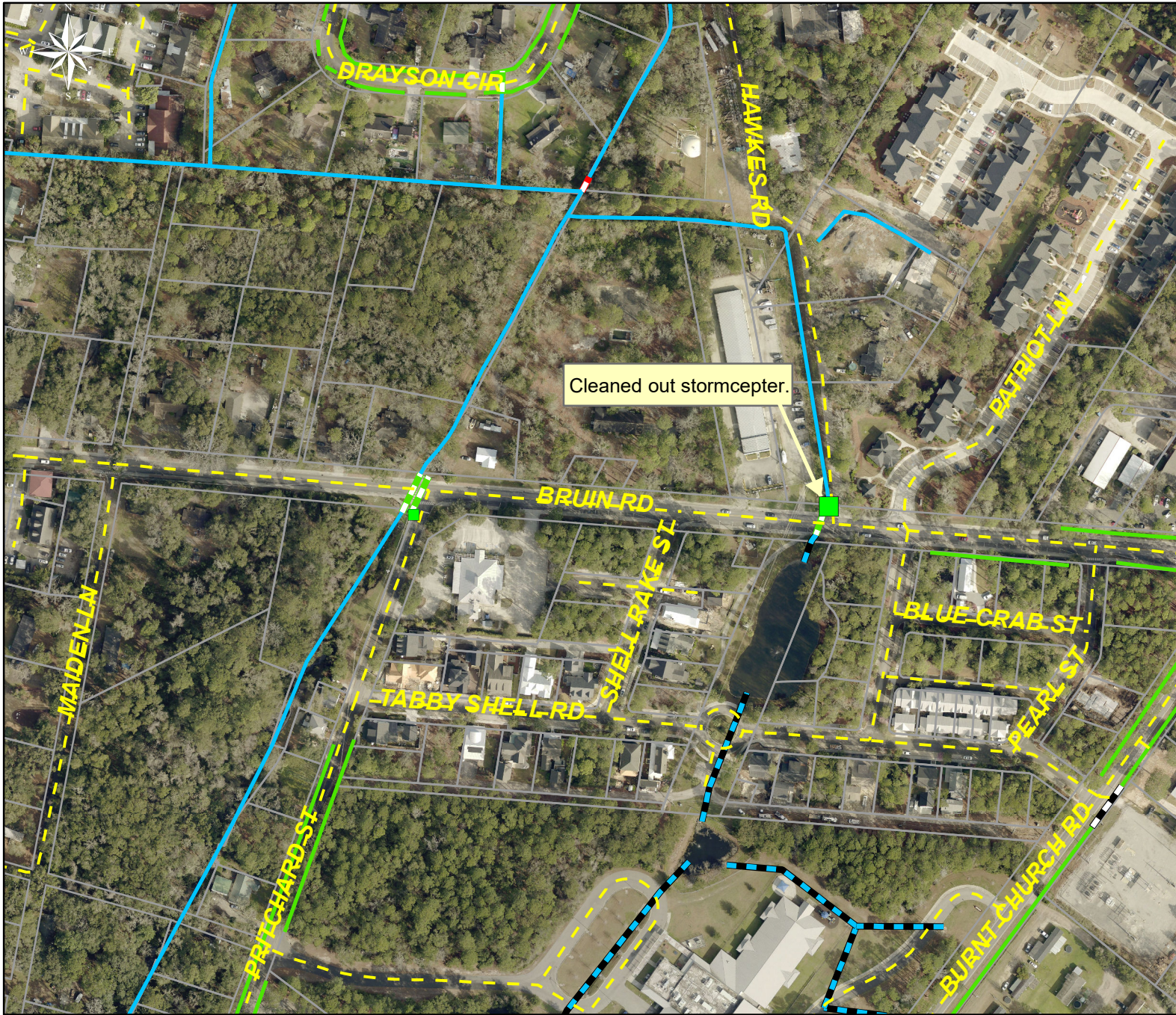
0 40 80 160 240 320 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/01/22

File:C:\project summaries map\Town Of Bluffton Vac Truck Reimbursement Map 1_2023-530



Project: Town Of Bluffton Vac Truck (Reimbursement) Map #2

Activity: Routine/ Preventive Maintenance














Project #: 2023-530

Township/SW Dist: Bluffton/4

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 = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/01/22

File: C:\project summaries map\Town Of Bluffton Vac Truck Reimbursement Map 2_2023-530



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: CoB Vacuum Truck (Reimbursement)
Scotch Pine Drive

Activity: Routine/Preventive Maintenance
Duration: 09/28/2022

Narrative Description of Project:

Cleaned out (3) catch basins. Jetted (1) crossline pipe.

2023-526 / CoB Vacuum Truck (Reimbursement)

	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
CBCO / Catch basin - clean out	8.00	\$251.68	\$170.68	\$148.26	\$0.00	\$155.36	\$725.98
Grand Total	8.50	\$268.05	\$170.68	\$148.26	\$0.00	\$165.47	\$752.46

Before



During



After





Project: City Of Beaufort Vac Truck (Reimbursement)

Activity: Routine/ Preventive Maintenance

Project #: 2023-526

Township/SW Dist: City Of Beaufort/1

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 12.5 50 75 100 Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/01/22

File: C:\project summaries map\City Of Beaufort Vac Truck (Reimbursement)_2023-526

TOWN COUNCIL



STAFF REPORT

Projects and Watershed Resilience Department

MEETING DATE:	November 8, 2022
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

- Notice to Proceed with construction was issued 7/1/2021.
- Construction of sidewalks is complete.
- **Next Steps**
 - Complete as-built drawings and DOT closeout.
 - Obtain survey information regarding outfall along Shults Road.

2. Buck Island-Simmons ville Neighborhood Sidewalks and Lighting

- Phase 5 street lighting easement acquisition process is underway. Obtain Just Compensation approval at November Town Council meeting, then 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 for this final sidewalk phase has been submitted for permitting. Bid solicitation was posted in September but no bids were submitted on 10/18/22. Felicia to send bid package to a pre-qualified contractor under contract with Dorchester County to obtain a price to construct.
- **Next Steps**
 - Prepare and obtain streetlight easements and install lighting for Phase 5.
 - Easement Just Compensation to be heard at 11/8/22 Town Council meeting.
 - Obtain SCDOT Permit Closeout for Phase 6A sidewalks.
 - Complete Phase 6B permitting and bidding.
 - 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.
 - Continue restroom facility design and associated utility extension at the New River Trail Parking lot. Submit PARD Grant to SCPRT upon receipt of Beaufort County Delegation support.
 - 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**
 - Evaluate bids in November.
 - Start house connections after the main line is approved by SCDHEC.

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.

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

- Initial Work under FY 2022 Watershed funding initiated with Goodwyn, Mills & Cawood. Full scope of work underway with Town Council approval of Task Authorization request at the September 13, 2022 Town Council Meeting.
- Met with School Board to discuss Impervious Restoration Program and potential work elements for 6 identified School sites.
- Initial site investigations have been completed at Bluffton Early Learning Center, Bluffton High School, McCracken Middle School/Bluffton Elementary School, May River High School and Pritchardville Elementary School.
- Initial site investigations are pending due to ongoing Property Owner coordination and approval to access the Property for investigations at Boys and Girls Club of Bluffton, Benton House, Buckwalter Recreation Center, Lowcountry Community Church, One Hampton Lake Apartments and Palmetto Pointe Townes.
- Policy document for Impervious Restoration Program and Developer Participation Projects under formulation.
- **Next Steps**
 - Continue property coordination for site access and site assessments/evaluations.
 - Proceed with geotechnical evaluations at the sites for which property owner approvals have been granted sites assessed, perform additional geotechnical testing and begin preliminary site design,
 - Review Policy Document of similar intent nationwide and Initial Policy Document DRAFT has been completed, reviewed and comments provided.

5. Buck Island Drainage Improvements

- Solicitation for Buck Island Drainage Improvements (re-bid) has been issued and Bids received on 8/22/22. One Bid received that exceeded Engineer's estimate and value engineering/negotiations with vendor will be held.
- **Next Steps**
 - Meetings and negotiations with JS Construction on-going and Construction Contract anticipated to be presented in the 11/8/22 Town Council Meeting.

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**
 - Coordinate conduit light installation in conjunction with streetscape design.
 - Obtain easements as needed for Phase 2 street lighting.

2. Squire Pope Carriage House Preservation

- ATAX funding was approved in March 2022.
- Stabilization has been completed.
- Solicitation 2023-19 posted 8/11/22.
- Submittal of Proposals were due 9/23/22 and exceeded budget. Working with Finance to budget the gap with HTAX. Staff submitted for State HTAX funds on 9/30.
- Council approved additional budget needed at October Council meeting.
- Staff selected Huss Inc. a rehabilitation contractor out of Charleston.
- Contract with Huss Inc. has been executed.
- **Next Steps**
 - Schedule a kickoff meeting with Huss Inc. and team.
 - Schedule a groundbreaking in January 2023.

3. Bridge Street Streetscape

- Signed Contract for Construction of Phase 1 Site Development on 6/20/22.
- Issued Notice to Proceed for Phase 1 construction to include ordering of inlets and pipe (20 weeks to ship) and stakeout/subsurface investigation to determine potential utility conflicts with proposed stormwater construction.
- Completed utility relocations as needed.
- **Next Steps**
 - Upon receipt of inlets and pipe, issue Phase 2 Notice to Proceed for the remaining streetscape construction. Expected start date of Phase 2 is December 2022.

4. Boundary Street Streetscape

- Surveying is complete and engineering design is underway.
- Engineering Design is 45% complete.
- **Next Steps**
 - Continue with Engineering Design and Permitting.
 - Obtain easement exhibits and begin appraisals.

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.
- Engineers provided alternative street sections for Staff review and comment
- **Next Steps**
 - Continue engineering design into FY 2023.
 - Easement acquisition for Phase 1 is planned to begin in January 2023.
 - Phased construction is planned to begin in FY 2024-2025 pending budget approval.

6. Historic District Streetscape and Drainage Improvements

- Construction of AME Rain Garden is substantially complete. Contract award to Southern Palmetto Landscapes, Inc issued and Landscape Work substantially complete.
- Completed Historic District crosswalk study identifying and prioritizing future intersection/crosswalk improvements to meet ADA compliance.
- Executed contract for engineering design services for the first phase of intersection/crosswalk ADA improvements.
- **Next Steps**
 - Finalize ADA crosswalk easements.
 - Prepare ADA crosswalk RFP for bid.
 - Prepare easement donation approval documents for November Town Council

7. Historic District Comprehensive Drainage Plan Improvements

- Scope of work, fee and Task Authorization issued to J Bragg Consulting to begin work in Heyward Cove watershed.
- Kick-off meeting held 7/15/22.
- Information gathered related to GIS, Cartograph, development plans etc. complete. Phase 1 asset inventory and condition assessment completed.
- Review of Phase 1 updated asset inventory and condition assessment information is underway.
- **Next Steps**
 - . Finalize review of Phase 1 asset inventory and condition assessment information.
 - Begin work on 2D H/H model development.

8. Pritchard Street Drainage Improvements

- Cranston Engineering completed 30% design submission and updating 70% design plan information.
- Final paperwork submissions submitted to DHEC for 319 Grant funding. 319 Grant Award pending.
- 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. The Town will be developing a concept plan of potential on-site drainage improvements that can be performed by the homeowner to reduce the risk of flooding for his property.
- Emergency procurement for construction of interim solution approved and construction completed. Atlantic Asphalt to resolve deficiencies in project work and in process.
- **Next Steps**
 - Receive and review Cranston 70% design submittal.
 - Cure deficient work and issue substantial completion.

PARK DEVELOPMENT**1. Oyster Factory Park**

- Completed engineering and landscape design of eastern parking area.
- Received undiscovered grant in March for Phase 3 signage at Garvin/Garvey.
- Coordinate Improvements with Beaufort County.
- **Next Steps**
 - Obtain final permits and begin construction of parking area in December 2022.
 - Design of Phase 3 signage for Garvin/Garvey house underway. Signage and exhibits to be complete in November 2022.
 - Begin design of Oyster Factory Park cookout area in FY 2023.

2. Wright Family Park

- Completed installations of the palmetto logs, planters and interpretive signage.
- **Next Steps**
 - Monitor erosion problems west of the dock and determine mitigation.
 - Repair existing swing and install additional swing.

3. Oscar Frazier Park

- FY 2022 Improvements complete.
- Began design of FY 2023 improvements including hardscape near the Rotary Center, Tennis or Pickleball Courts and Splash Pad.
- **Next Steps**
 - Continue landscape maintenance of FOD through November 2022.
 - Begin planning and design of FY 2023 improvements.

4. New Riverside Barn/Park

- A \$500,000.00 grant was approved for partial funding of the initial phase of the project.
- Engineering design of Phase 1 site plans are complete.
- Construction documents for the restroom building are complete.
- Executed contract for architectural design services for the Barn additions.
- Posted bid solicitation for Phase 1 site development on 8/25/22.
- Obtained Town Council approval of the Phase 1 Site Development contract with JS Construction.
- Executed contract with Wood & Partners for playground design services.
- **Next Steps**
 - Execute contract with JS Construction for Phase 1 Site Development.
 - Continue architectural design of barn addition.
 - Begin design of playground area in FY 2023.

5. May River Road Pocket Park

- Received 100% Construction Documents on 4/6/22.
- Received Public Project approval.
- Bid received 4/28/22.
- Construction started in June and scheduled for completion in September.

- Site furnishings have been ordered.
- **Next Steps**
 - Install site furnishings in November.
 - Complete construction.
 - Ribbon cutting on 11/8/22.

6. Miscellaneous Park Improvements

- Begin design and cost estimating of playground improvements at DuBois Park.
- **Next Steps**
 - Presented proposed DuBois Park playground improvements at the October Workshop and continue with the design of FY 2023 improvements.

TOWN FACILITIES AND MISCELLANEOUS PLANNING

1. Rotary Community Center Facility Improvements

- Completed floor replacement in August 2022.

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 underway.
- **Next Steps**
 - Complete Reflection Plaza. Execute contract with the Greenery for the challenge course.

4. Sarah Riley Hooks Cottage

- Requested proposal from JK Tiller for Master Planning Services
- Prepared questionnaire for distribution at the Art and Seafood Festival
- Requested conditions assessment proposal from Meadors Inc.
- **Next Steps**
 - Begin Master Plan and obtain public input for potential uses for the cottage building and park.

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.
 - **Next Steps**
 - Continue meeting with property owners and obtaining Quit Claim Deeds.
- 6. Public Services Facility Improvements**
- Installation of new plumbing and electric for the washer and dryer has been completed.
 - Fencing, flooring, canopies and HVAC replacement has been completed.
- 7. Document Management**
- RFP contract was awarded in March 2022.
 - Electronic Document Management system is live.
 - **Next Steps:**
 - Historical documents will be moved into the system in July and continue through FY 2024.
- 8. 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. Sea Level Rise Task Force**
- Following Beaufort County's presentation and request for regional participation at the 10/22/19 SoLoCo meeting, staff attended the Sea Level Rise Task Force meetings to discuss a possible No Fill Ordinance, a Coastal Resilience Overlay District, and county-wide sea level rise adaptation strategies.
 - Information provided to Town Comprehensive Plan Update consultant team for inclusion in the state-required resiliency component. Town Comprehensive Plan Open House and Town Council Workshop were held 4/19/22.
 - **Next Steps**
 - Adoption of Comprehensive Plan Update by Town Council with new Resiliency chapter; anticipated November 2022.
- 2. Joint Councils Meeting for Watershed Management Initiatives**
- Staff from the Town, County, and BJWSA met via Zoom 3/27/20 to confirm project scope, cost, and potential project manager. The last project cost estimate to extend, connect, and abandon septic in the Stoney Creek project area is \$4.7 million (B. Chemsak email 7/22/19) but they anticipate those numbers increasing to \$5.5 million. The proposal is one-third cost-share, so the Town's portion would be

approximately \$1.83 million. Beaufort County has not formally agreed or committed any funding.

- Staff has shared preliminary project scope with Beaufort County and BJWSA to begin partnership discussion.
- Letter of support received from Beaufort County.
- Updated cost-estimate for the project from BJWSA are \$7.2 million + contingencies.
- 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.
 - Coordinate with BJWSA and the County to develop a 3-party partnership to execute the project.

3. 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

4. May River Watershed Action Plan Implementation Summary - Attachment 2

- Staff increased sampling frequency and implemented additional monitoring sites and parameters in the May River headwaters based upon recommendations in the 2020 May River Watershed Action Plan Update and Model Report. Staff collected sixty-two (62) water quality samples from the Model Report study area and the Bluffton Historic District on 09/21/22 and 10/10/22.
- WEC assisted Town staff with the appropriate specifications for SonTek IQ Telemetry Stations that will enable real-time continuous flow data. Xylem needed additional specifications regarding the telemetry stations. WEC has provided those specifications and staff has received a sales acknowledgement from SonTek. Due to supply chain issues, the timeline for receipt has been delayed however these instruments will be shipped to the Town as soon as received and packaged by SonTek.
- 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.
- Staff has deployed a HOBO-U20 water level logger at the Calhoun Street Dock for the purpose of collecting tidal elevation data through the remainder of 2022. The consultant has downloaded the tidal elevation data for the Hurricane Ian period. This data will be shared with Town staff after processed by the consultant. The next King Tide is predicted to occur 10/26/22-10/29/22, with tides in the May River estimated to be approximately 2.0ft above mean high tide.

5. Municipal Separate Storm Sewer System (MS4) Program Update

- SCDHEC is currently in the process of developing a revised National Pollutant Discharge and Elimination (NPDES) Permit for Small MS4s and will re-issue to permittees, including the Town, in the future.

6. **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 10/27/22. **Attachment 3**
 - Staff attended the Lowcountry Stormwater Partners (LSP) Consortium meeting on 09/20/22.
 - Staff presented at the Arts and Seafood Festival's Dinner and Learn on 10/17/22.
 - Staff presented at the Sunset Rotary on 10/17/22.
7. **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**
 - Town staff coordinates with the SC Department of Health and Environmental Control (SCDHEC) to pull MST samples concurrently with the state's routine shellfish harvesting water quality sampling at stations 19-19, 19-19A, 19-19B, 19-19C, and 19-24. SCDHEC conducted sampling 10/10/22. Staff collected thirteen (13) additional MST samples from drainages leading to the May River due to the amount of rainfall received prior to scheduled sampling. The human genetic marker was not detected at any SCDHEC Shellfish Station or Town monitoring locations.
 - Illicit Discharge Investigations – **Attachment 4e**
8. **MS4 MCM – #4 Construction Site Stormwater Runoff Control – Attachment 5**
9. **MS4 MCM – #5 Stormwater Plan Review and Related Activity – Attachment 6**
10. **MS4 MCM – #6 Good Housekeeping (Staff Training/Education)**
 - Staff attended the SESWA 17th Annual Regional Stormwater Conference on Hilton Head.
 - Staff participated in a panel discussion on Emerging Water Resources Topics and presented on the SoLoCo Stormwater Design Manual at the SC Water Resources Conference in Columbia.
 - Staff received a travel grant to attend the National Adaptation Forum in Baltimore, MD.
11. **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.

12. Citizen Drainage, Maintenance, and Inspections Concerns Map – Attachment 7

13. 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		6.8	31.0	33.0		7.8	17.0	7.8		11.0	13.0	4.0		4.5	13.0	4.5		2.0	4.5	2.0	
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	41.0	23.0	21.0	26.0	28.0	16.0	16.0	18.0	19.0	14.0	12.0	15.0	14.0	10.0	10.0	10.0	10.0	7.0	9.0	8.0	9.0
** Truncated 90th Percentile	168.0	106.0	139.0	203.0	89.0	59.0	69.0	94.0	63.0	50.0	58.0	76.0	52.0	37.0	39.0	53.0	38.0	31.0	35.0	44.0	32.0	35.0	33.0	33.0

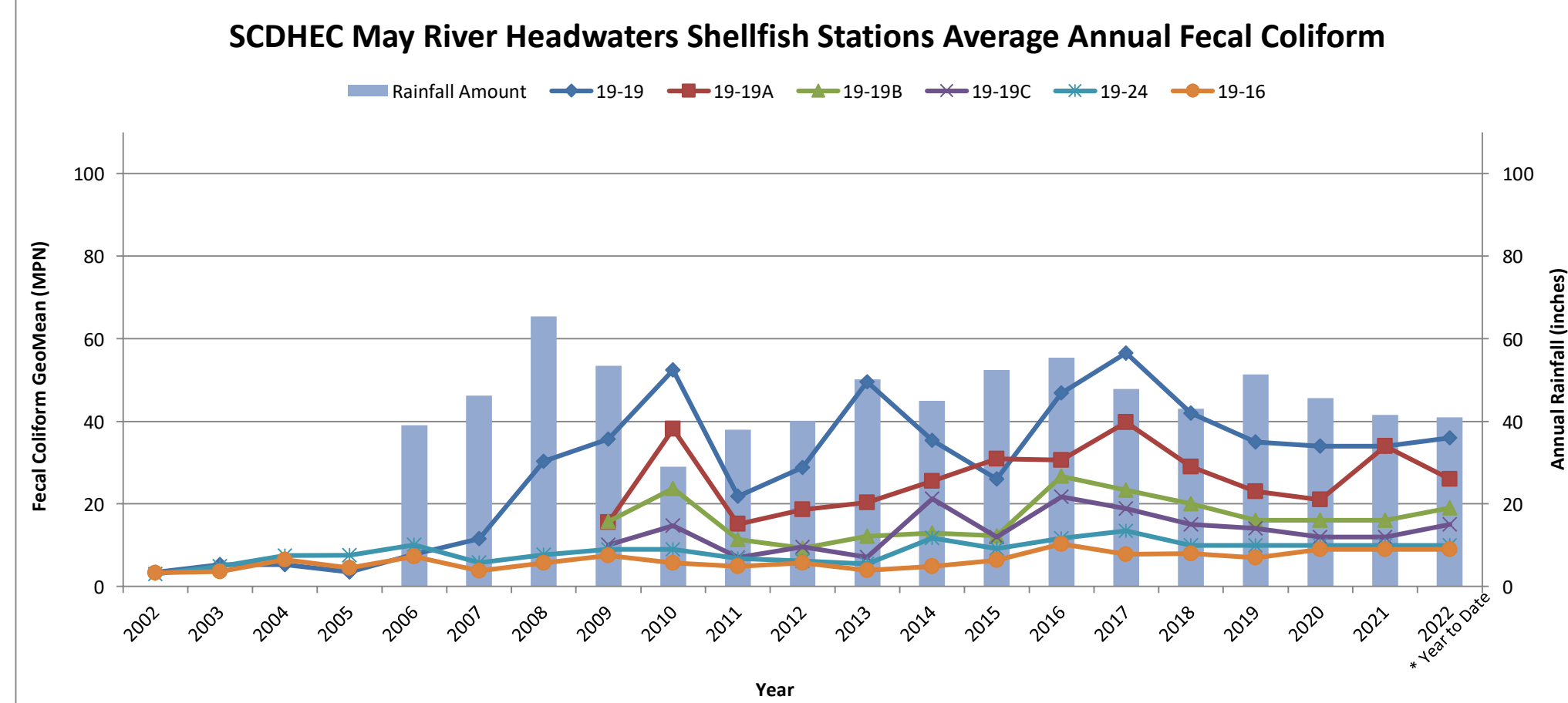
NS = No Sample

SCDHEC Regulatory Requirements:

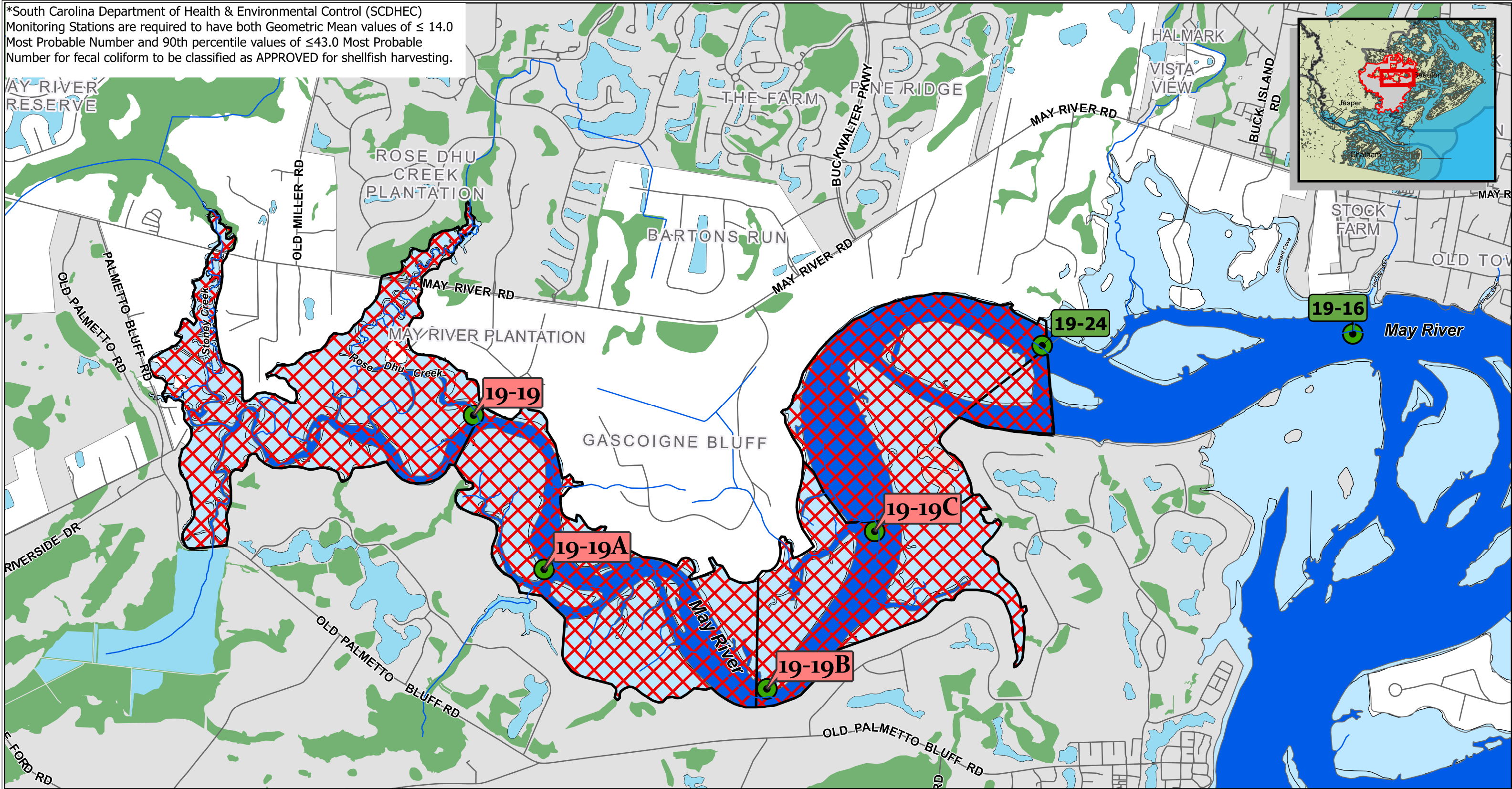
Geometric Mean ≤ 14

90th Percentile ≤ 43

** Town staff calculations utilizing SCDHEC statistics



*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



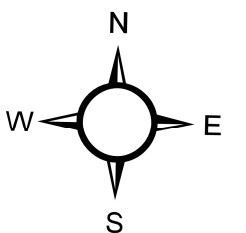
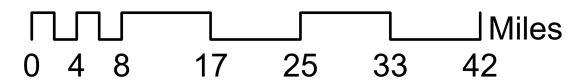
SCDHEC Shellfish Monitoring Station Classification Change

-  Streets
-  Drainage
-  Town Jurisdiction
-  County Jurisdiction
-  Water
-  Wetlands

Town of Bluffton

Beaufort County, SC

SCDHEC SHELLFISH HARVESTING STATUS



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:

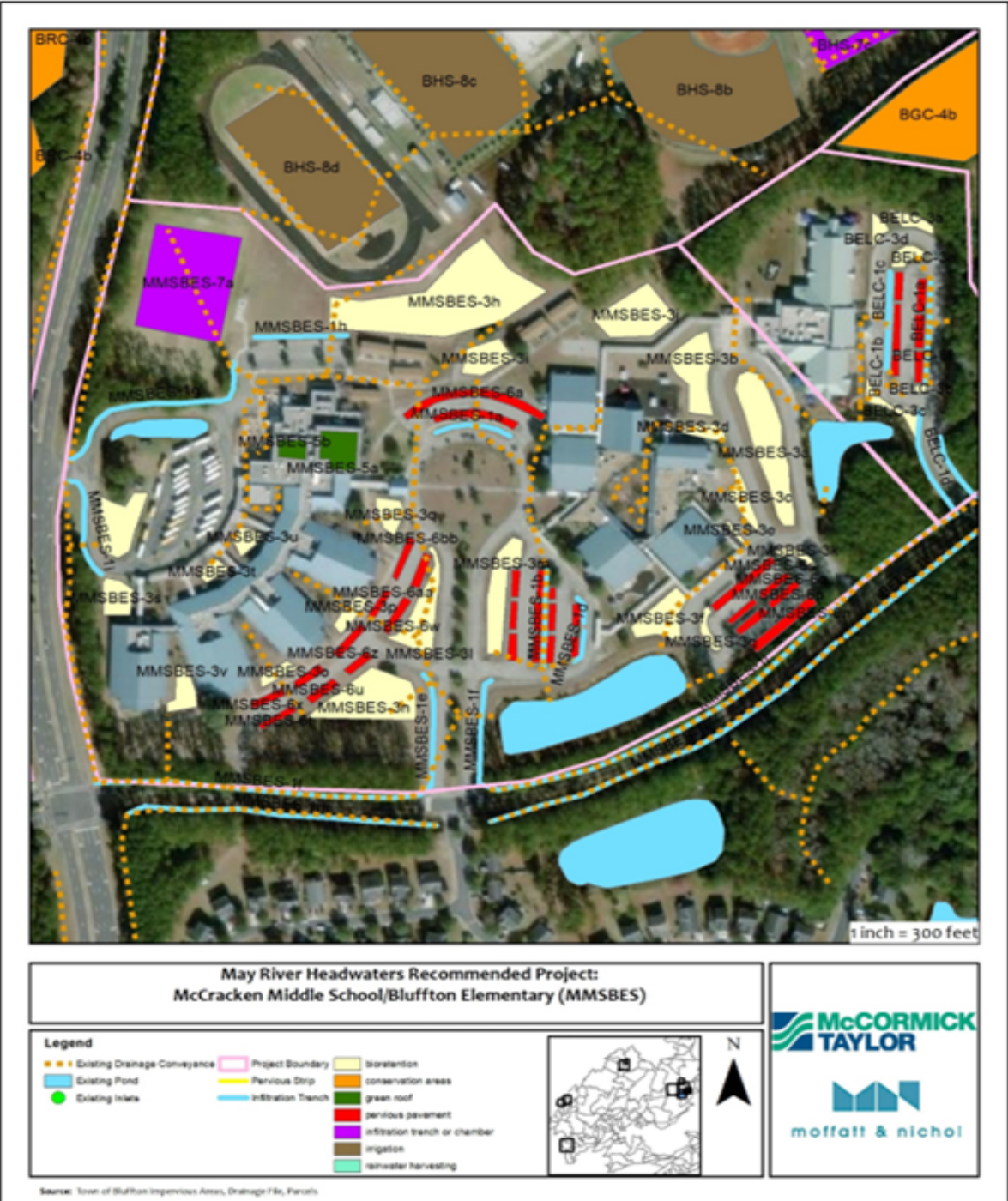


Figure 52. McCracken Middle School/Bluffton Elementary School Proposed Stormwater BMP Retrofits

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.



May River Watershed Action Plan Advisory Committee Meeting

Thursday, October 27, 2022 at 9:00 AM

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

AGENDA

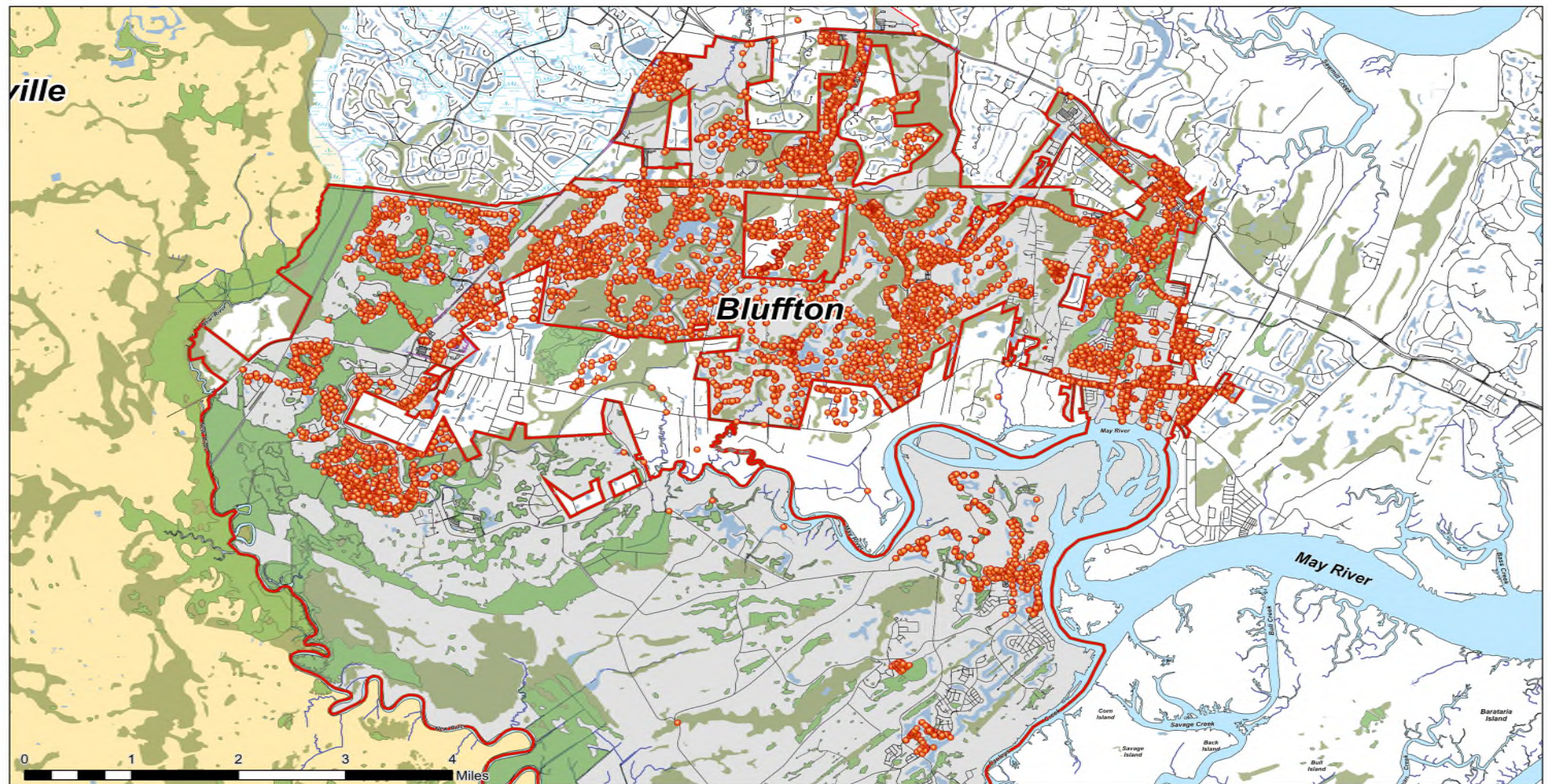
- I. **CALL TO ORDER**
 - II. **ROLL CALL**
 - III. **ADOPTION OF THE AGENDA**
 - IV. **ADOPTION OF MINUTES**
 1. Adoption of September 22, 2022 Minutes
 - V. **Presentations, Celebrations and Recognitions**
 1. Open Land Trust, Kate Schaefer, Open Land Trust Director of Land Protection
 - VI. **PUBLIC COMMENTS**
 - VII. **DISCUSSION**
 1. Strategic Priority four (4), to Develop a Town Policy and Program with Clear Structure, Identified and Formalized Organizational Collaborations, and Goals for Green Space or Preservation Area Acquisition, and/or Retirement of Development Rights
 - VIII. **ADJOURNMENT**
- NEXT MEETING DATE: December 1, 2022 - Regular Committee Meeting**

"FOIA Compliance – Public notification of this meeting has been published and posted in compliance with the Freedom of Information Act and the Town of Bluffton policies."

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 ("ADA"), the Town of Bluffton will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities. The Town of Bluffton Council Chambers are ADA compatible. Any person requiring further accommodation should contact the Town of Bluffton ADA Coordinator at 843.706.4500 or adacoordinator@townofbluffton.com as soon as possible but no later than 48 hours before the scheduled event.

**Please note that each member of the public may speak at one public comment session and a form must be filled out and given to the Town Clerk. Public comment must not exceed three (3) minutes.*

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



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

Town of Bluffton
Beaufort County, SC

STORMWATER INFRASTRUCTURE

DISCLAIMER: This map was prepared by the Beaufort County Department of Public Works, Office of the Town of Bluffton, and is intended to provide a general overview of the stormwater infrastructure inventory. It is not intended to be used for legal or engineering purposes. The Town of Bluffton and Beaufort County are not responsible for any errors or omissions in this map. For more information, please contact the Town of Bluffton at (843) 785-1234.

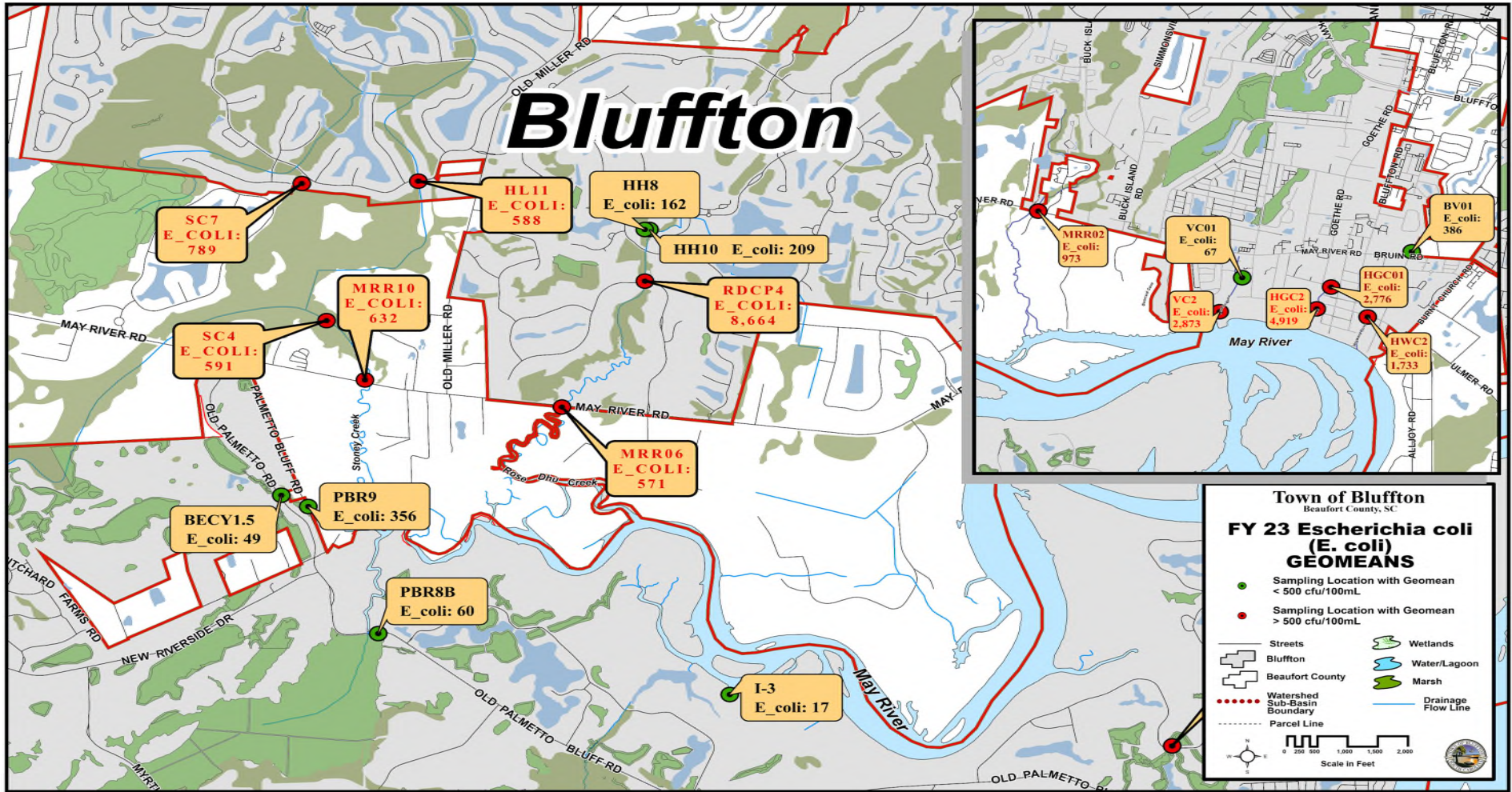



Updated Date: 10/18/2022

Stormwater Infrastructure Inventory Collection Status

FY 2023 YTD Collection Totals	16,445
FY 2022 YTD Collection Totals	2705
FY 2021 Collection Totals	2,222

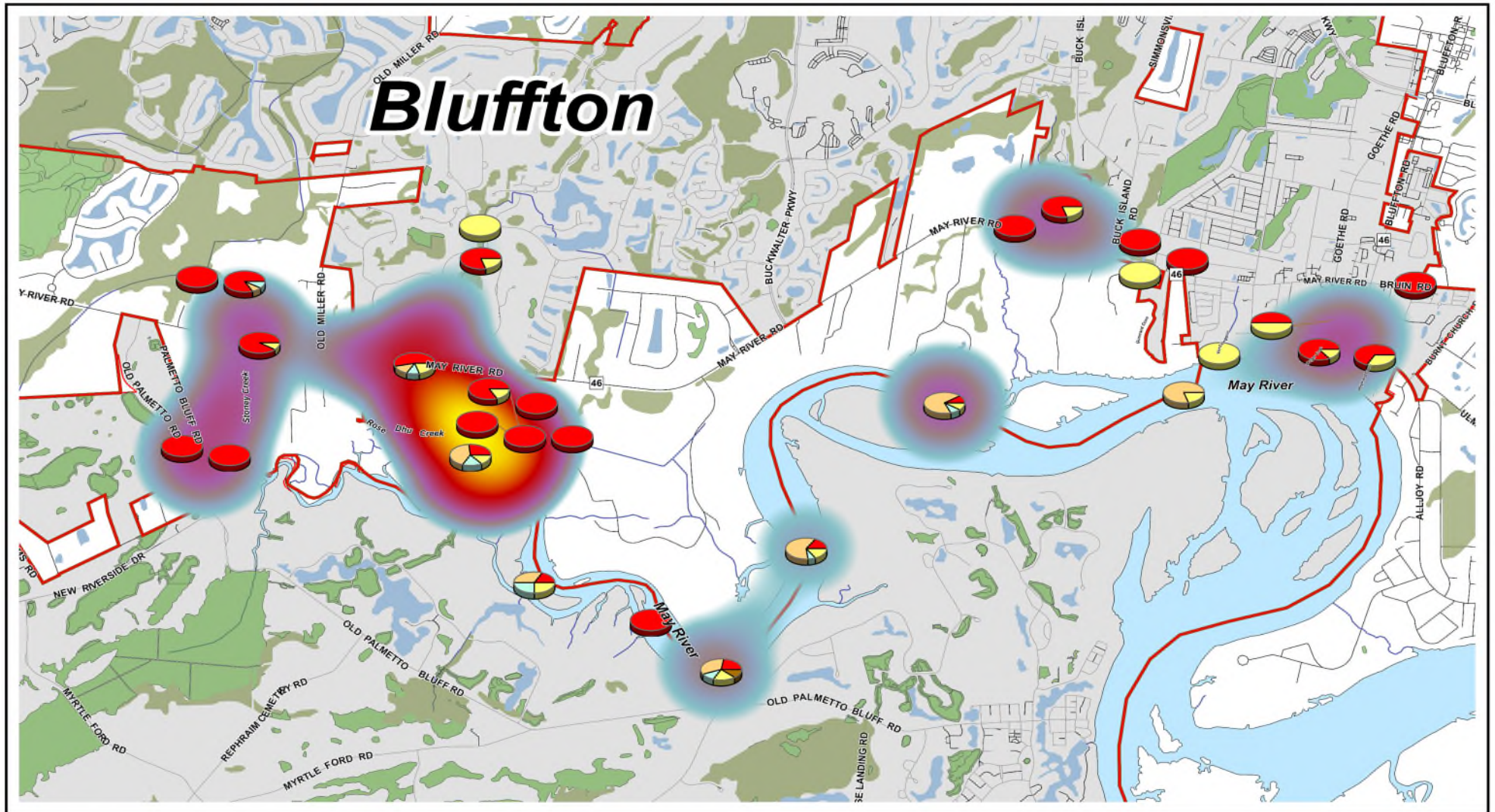
MS4 Minimum Control Measure #3 – IDDE: *E. coli* Concentrations Trend Map



	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2023 YTD Totals	200	49	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



MST Sampling Results

- Human
- Bird
- Deer
- Dog
- Horse

MST Sampling Sites

Intensity of samples

- Representative of Low Sampling Distribution
- Representative of High Sampling Distribution

MICROBIAL SOURCE TRACKING (MST) LOCATIONS

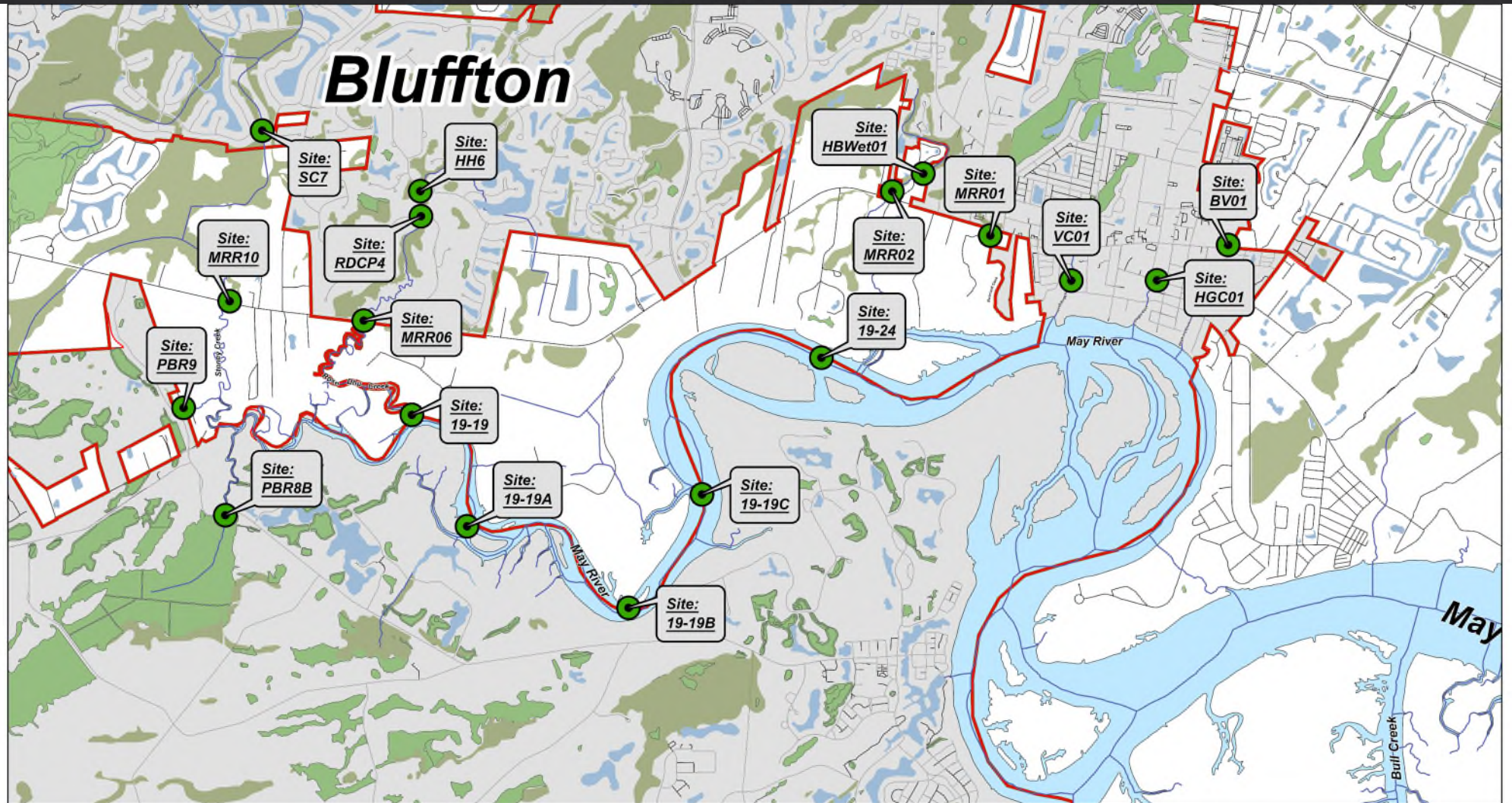
Samples at Sites With Positive Detection
and the Intensity of Positive Hits

Town of Bluffton
Beaufort County, SC

- Town Jurisdiction
- Beaufort County
- Drainage Flow Lines

Updated Date: 10/18/2022

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

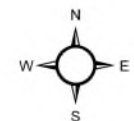


- MST Sampling Location Without Detection
- MST Sampling Location With Detection
- Flowline
- Street
- ☐ Town Jurisdiction
- ☐ County Jurisdiction

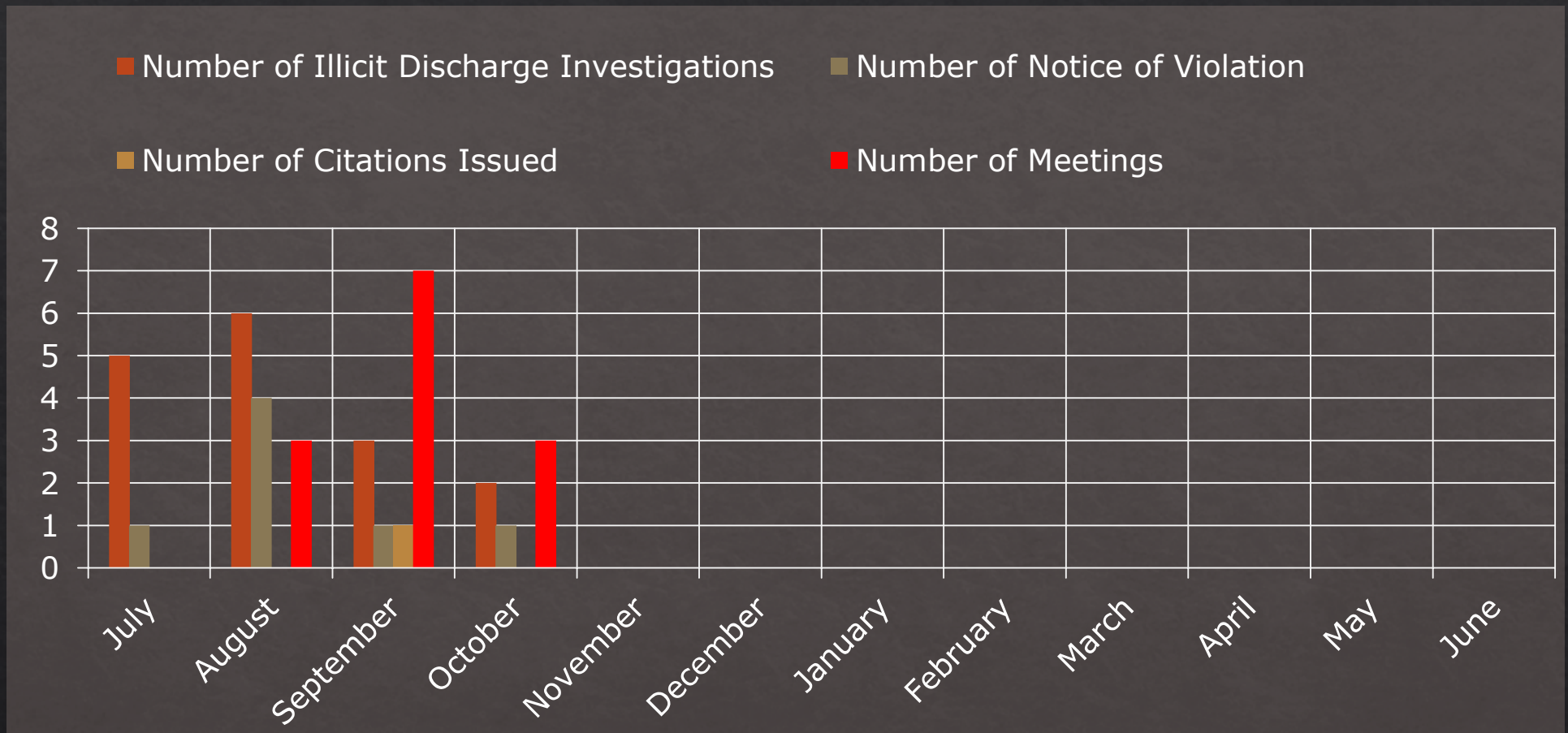
MICROBIAL SOURCE TRACKING LOCATIONS

Sampling Results October 2022

Town of Bluffton
Beaufort County, SC

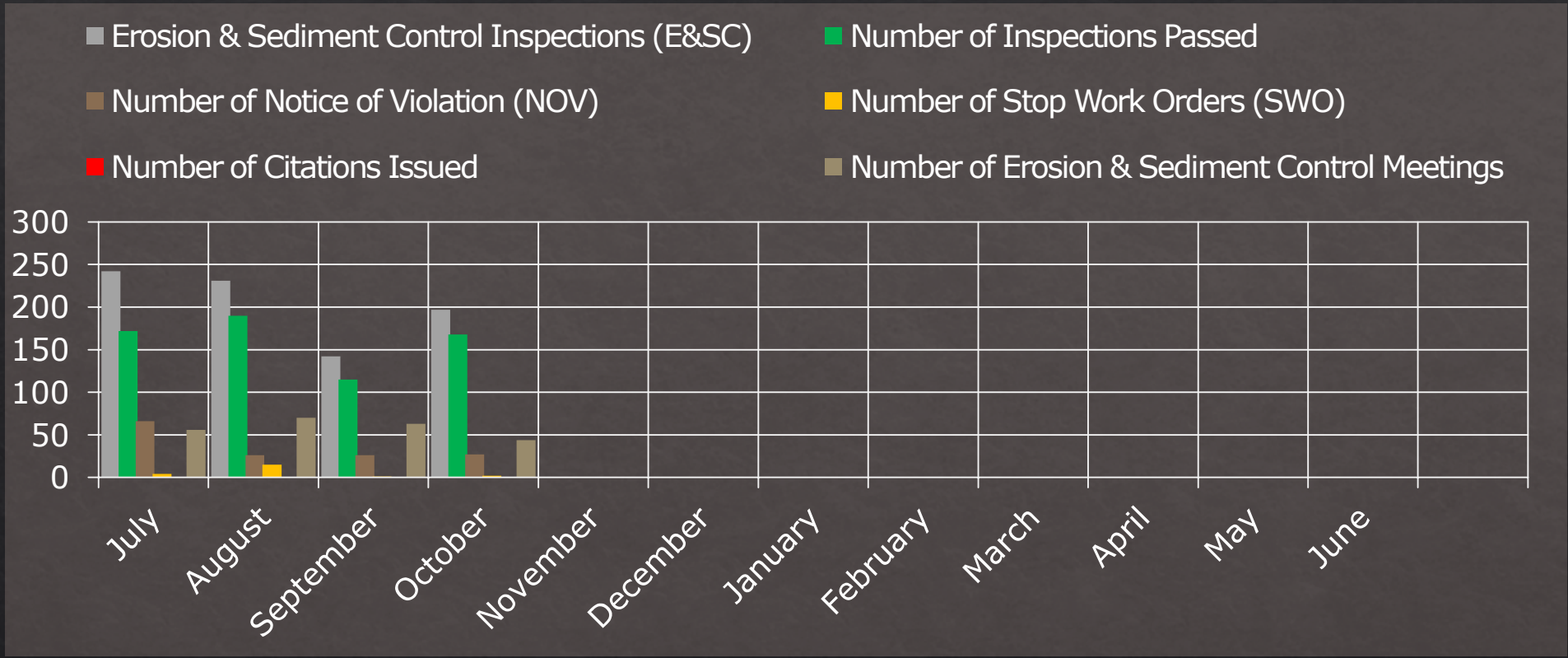


MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations



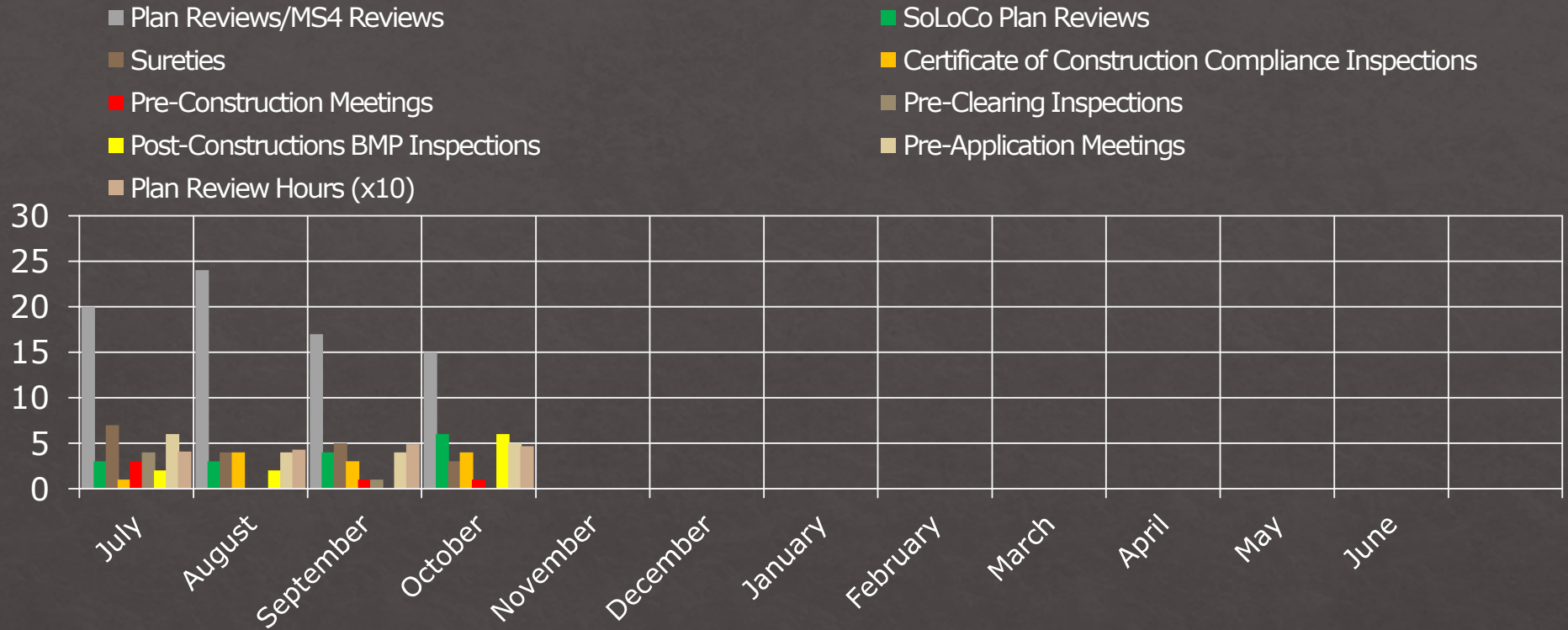
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of Citations Issued	Number of Meetings
FY 2023 YTD Totals	16	7	1	13
FY 2022 Totals	30	5	3	17
FY 2021 Totals	36	11	1	29

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



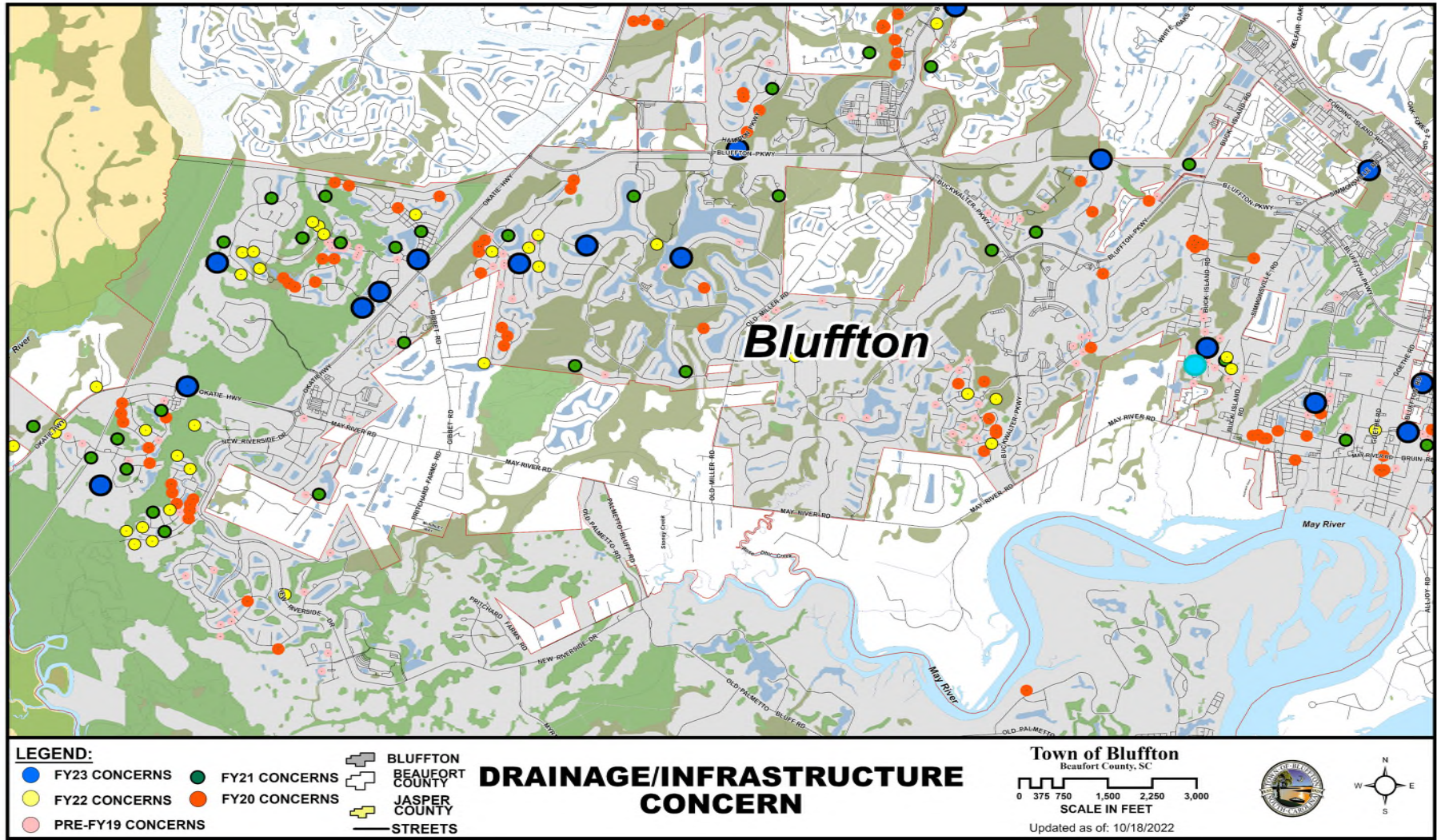
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOV's Issued	Number of SWO Issued	Number of Citations Issued	Number of E&SC Meetings
FY 23 YTD Totals	812	645	145	22	0	233
FY 2022 Totals	3127	2701	392	49	0	673
FY 2021 Totals	1,805	1,527	267	32	4	413

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



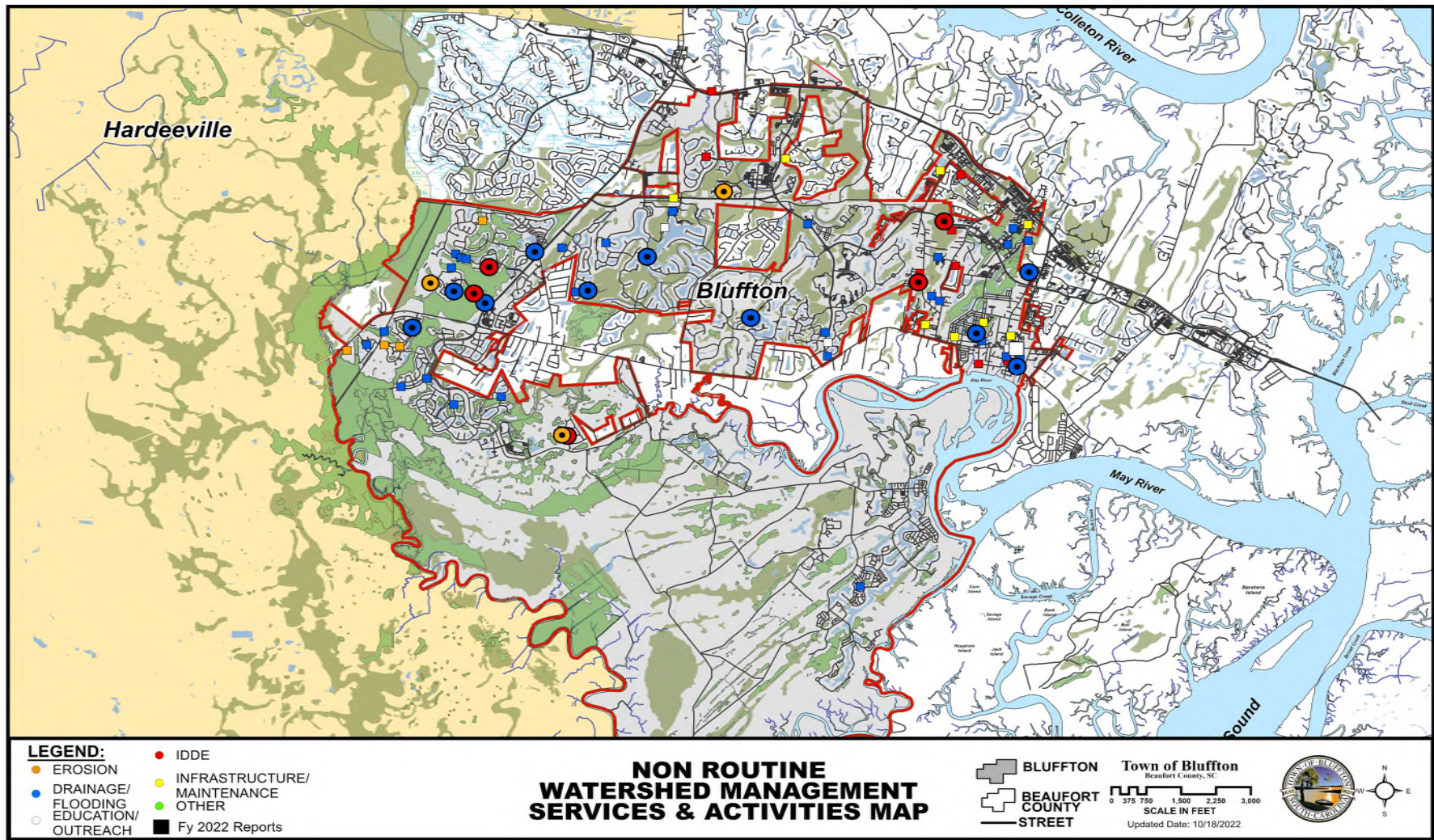
	Plan Reviews MS4 Reviews	SoLoCo Plan Reviews	Sureties	CCC Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2023 YTD	76	16	19	12	5	5	10	19	180 Hrs.
FY 2022 Totals	231	13	42	26	30	23	44	26	454 Hrs.
FY 2021 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	38	32
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	9	3
FY 2022 Totals	33	21
FY 2021 Totals	46	36

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

ID	Task Name	Duration	Start	Finish	Predecessors	2016	Qtr 1, 2017	Qtr 2, 2017	Qtr 3, 2017	Qtr 4, 2017	Qtr 1, 2018	Qtr 2, 2018	Qtr 3, 2018	Qtr 4, 2018	Qtr 1, 2019	Qtr 2, 2019	Qtr 3, 2019	Qtr 4, 2019	Qtr 1, 2020	Qtr 2, 2020	Qtr 3, 2020	Qtr 4, 2020	Qtr 1, 2021	Qtr 2, 2021	Qtr 3, 2021	Qtr 4, 2021	Qtr 1, 2022	Qtr 2, 2022	Qtr 3, 2022	Qtr 4, 2022	Qtr 1, 2023	Qtr 2, 2023	Qtr 3, 2023	Qtr 4, 2023			
1	PHASE 5 A-D	1780 days?	Thu 12/1/16	Wed 9/27/23		◆																															
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	788 days	Mon 9/21/20	Wed 9/27/23		◆																															
45																																					
46																																					

Project: 00044 Date: Mon 9/19/22	Milestone ◆ Critical Task ★	Task Project Duration	 Planning and Conceptual Design  Final Design and Construction Documents  Permitting  Bidding and Contract	 Easements and Land Acquisitions  Construction  Construction
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BUCK ISLAND-SIMMONSVILLE NEIGHBORHOOD SIDEWALKS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecessors	2018												2019												2020												2021												2022												2023																	
						J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
1	SIDEWALKS AND LIGHTING	1440 days	Thu 2/1/18	Wed 8/9/23		◆																																																																													
2	Sidewalk from Jennifer Ct to Simmonsville Rd	405 days	Thu 2/1/18	Wed 8/21/19		◆																																																																													
3	Final Design and Construction Documents	120 days	Thu 2/1/18	Wed 7/18/18		◆																																																																													
7	Permitting	63 days	Thu 6/21/18	Mon 9/17/18		◆																																																																													
9	Easements	220 days	Wed 7/18/18	Tue 5/21/19		◆																																																																													
15	Bidding/Contract	106 days	Tue 9/18/18	Tue 2/12/19		◆																																																																													
20	Construction	61 days	Wed 5/29/19	Wed 8/21/19	14	◆																																																																													
26																																																																																			
27	Sidewalk from Kitty Road to 301 Buck Island Rd	709 days	Thu 2/1/18	Tue 10/20/20		◆																																																																													
28	Final Design and Construction Documents	392 days	Thu 2/1/18	Fri 8/2/19		◆																																																																													
34	Permitting	40 days	Mon 8/5/19	Fri 9/27/19	31	◆																																																																													
36	Easements	87 days	Mon 9/30/19	Tue 1/28/20		◆																																																																													
42	Bidding/Contract	97 days	Mon 9/30/19	Tue 2/11/20		◆																																																																													
47	Construction	136 days	Tue 4/14/20	Tue 10/20/20		◆																																																																													
53																																																																																			
54	Sidewalk from Grayco to Sugaree (Simmonsville Rd)	923 days	Mon 10/1/18	Wed 4/13/22		◆																																																																													
55	Final Design and Construction Documents	520 days	Mon 10/1/18	Fri 9/25/20		◆																																																																													
61	Permitting	180 days	Mon 9/28/20	Fri 6/4/21		◆																																																																													
63	Easements	86 days	Mon 6/7/21	Mon 10/4/21		◆																																																																													
68	Bidding/Contract	47 days	Mon 6/7/21	Tue 8/10/21		◆																																																																													
73	Construction	176 days	Wed 8/11/21	Wed 4/13/22		◆																																																																													
80																																																																																			
81	Sidewalk from Sugaree to Windy Lake (Simmonsville Rd)	563 days	Thu 7/1/21	Mon 8/28/23		◆																																																																													
82	Final Design and Construction Documents	288 days	Thu 7/1/21	Mon 8/8/22		◆																																																																													
86	Permitting	60 days	Tue 8/9/22	Mon 10/31/22	82	◆																																																																													
88	Easements	0 days	Mon 10/31/22	Mon 10/31/22	83	◆																																																																													
93	Bidding/Contract	61 days	Tue 11/1/22	Tue 1/24/23	84	◆																																																																													
98	Construction	154 days	Wed 1/25/23	Mon 8/28/23	85	◆																																																																													
105																																																																																			
106	Lighting - Kitty Road to 301 Buck Island Rd	329 days	Thu 5/13/21	Tue 8/16/22		◆																																																																													
113																																																																																			
114	Lighting - Grayco to Windy Lakes	150 days	Thu 1/12/23	Wed 8/9/23		◆																																																																													
115																																																																																			
116																																																																																			

Project: 00054	Milestone ◆	Project Duration ◆	Permitting ◆	Construction ◆
Date: Wed 7/20/22	Critical Task ★	Planning and Conceptual Design ◆	Bidding and Contract ◆	
	Task ■	Final Design and Construction Documents ◆	Easements and Land Acquisitions ◆	

BOUNDARY STREET LIGHTING
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Timeline
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 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			

**BOUNDARY STREET STREETScape
PROPOSED SCHEDULE**

ID	Task Name	Duration	Start	Finish	3rd Quarter				4th Quarter				1st Quarter				2nd Quarter				3rd Quarter				4th Quarter				1st Quarter				2nd Quarter			
					Jul	Aug	Sep	Oct	Oct	Nov	Dec	Jan	Jan	Feb	Mar	Apr	Apr	May	Jun	Jul	Jul	Aug	Sep	Oct	Oct	Nov	Dec	Jan	Jan	Feb	Mar	Apr	Apr	May	Jun	Jul
1	BOUNDARY STREET STREETScape	679 days	Mon 9/7/20	Thu 4/13/23																																
2	Planning and Conceptual Design	379 days	Mon 9/7/20	Thu 2/17/22																																
14	Final Planning and Construction Documents	300 days	Fri 2/18/22	Thu 4/13/23																																
27	Permitting Phase	65 days	Fri 10/28/22	Thu 1/26/23																																
32	Easements and Land Acquisition	116 days	Fri 10/28/22	Fri 4/7/23																																

Project: 00094
Date: Mon 9/19/22

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 10/19/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆	
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆	

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	◆																												

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	Timeline
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: Thu 7/7/22

Milestone
Critical Task
Task

Project Duration
Planning and Conceptual Design
Final Design and Construction Documents

Permitting
Bidding and Contract
Easements and Land Acquisitions

Construction

MAY RIVER ROAD POCKET PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish
1	Comprehensive Drainage Plan Improvements	1562 days	Thu 7/1/21	Fri 6/25/27
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	741 days	Fri 8/23/24	Fri 6/25/27

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	Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
Date: Mon 9/19/22	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	Predecessors	2020					2021					2022					2023					2024					2025																																		
						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	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	1606 days	Thu 9/12/19	Thu 11/6/25																																																													

Project: 00093
Date: Wed 7/20/22

Milestone ◆
Critical Task ★

Task
Project Duration



Planning and Conceptual Design



Permitting



Bidding and Contracts



Easements and Land Acquisition



Construction



Final Design and Construction Documents

**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 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	1260 days	Mon 7/2/18	Fri 4/28/23		◆											
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	165 days	Mon 2/28/22	Fri 10/14/22		◆											
22	Bidding and Contracts	57 days	Mon 9/19/22	Tue 12/6/22		◆											
27	Construction	103 days	Wed 12/7/22	Fri 4/28/23		◆											

Project: 00071 Date: Mon 9/19/22	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				
1	PHASE 3	629 days	Mon 11/2/20	Thu 3/30/23	◆																																			
2	Planning and Conceptual Design	236 days	Mon 11/2/20	Mon 9/27/21	◆																																			
9	Final Design and Construction Documents	197 days	Tue 9/28/21	Wed 6/29/22	◆																																			
11	Permitting	59 days	Thu 6/30/22	Tue 9/20/22	◆																																			
14	Easements and Land Acquisition	105 days	Tue 9/21/21	Mon 2/14/22	◆																																			
17	Bidding and Contracts	46 days	Wed 9/21/22	Wed 11/23/22	◆																																			
22	Construction	91 days	Thu 11/24/22	Thu 3/30/23	◆																																			

Project: 00072	Milestone ◆	Project Duration ◆	Permitting ◆	Construction ◆
Date: Mon 9/19/22	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 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			
1	PHASE 5	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: 00074 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 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	◆		

BUCKWALTER MULTI-COUNTY COMMERCE PARK
LEC EXPANSION - PROPOSED SCHEDULE

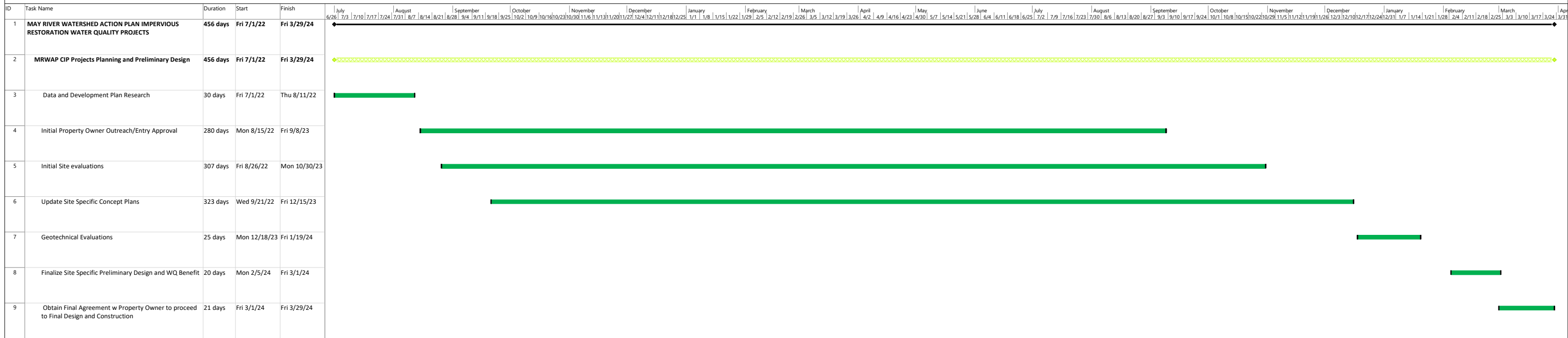
ID	Task Name	Duration	Start	Finish	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November
1	LEC Expansion	1042 days	Wed 11/18/20	Thu 11/14/24	◆																																																
2	Parking and Site Improvements	161 days	Wed 11/18/20	Wed 6/30/21	◆																																																
17	Reflection Plaza	162 days	Mon 3/14/22	Tue 10/25/22	◆																																																
26	Challenge Course	49 days	Wed 10/12/22	Mon 12/19/22	◆																																																
33	Facility Improvements	639 days	Mon 6/6/22	Thu 11/14/24	◆																																																

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	Milestone	◆	Task		Planning and Conceptual Design		Permitting		Easements and Land Acquisitions	
Date: Wed 10/19/22	Critical Task	★	Project Duration		Final Design and Construction Documents		Bidding and Contract		Construction	

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

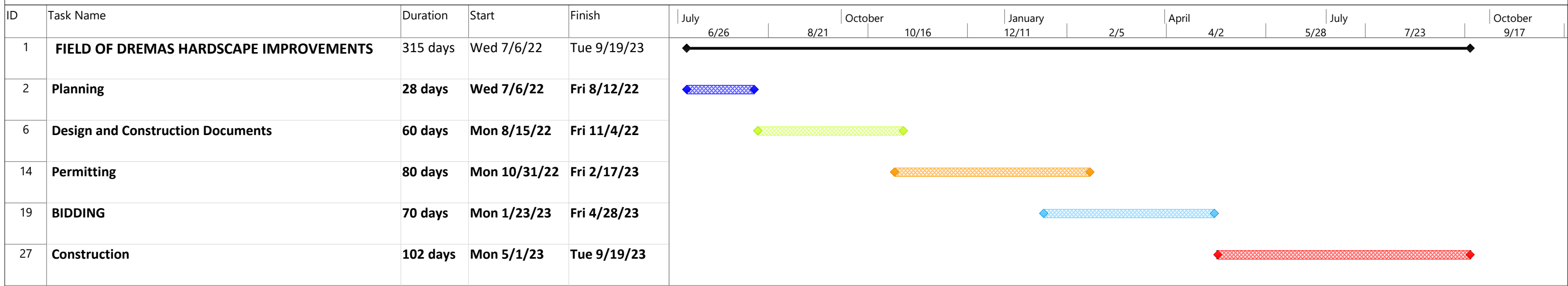
ID	Task Name	Duration	Start	Finish	July	August	Septemb	October	Novemb	Decembe	January	February	March	April	May	June	July	August	Septemb	October	Novemb	Decembe	January	February	March	April	May	June	July	August	Septemb	October	Novemb			
1	NEW RIVER LINEAR TRAIL	617 days	Mon 7/5/21	Tue 11/14/23	◆																															
2	Planning	121 days	Mon 7/5/21	Mon 12/20/21	◆																															
3	Obtain Proposal for Surveying	21 days	Mon 7/5/21	Mon 8/2/21	◆																															
4	Prepare Boundary, Topo, Wetland Surveys	45 days	Mon 8/2/21	Fri 10/1/21	◆																															
5	Obtain GIS Data fro Town and County Sources	10 days	Mon 8/2/21	Fri 8/13/21	◆																															
6	Obtain Proposal and Approval for Engineering Services	35 days	Fri 8/13/21	Thu 9/30/21	◆																															
7	Project Kick off meeting	1 day	Mon 10/18/21	Mon 10/18/21	★																															
8	Prepare Conceptual Master Plan	20 days	Mon 10/18/21	Fri 11/12/21	◆																															
9	Present Plan to Staff for Review and Comment	5 days	Mon 11/15/21	Fri 11/19/21	◆																															
10	Update Master Plan based on Staff Input	10 days	Mon 11/22/21	Fri 12/3/21	◆																															
11	Prep Conceptual Estimate of Probable Construction Cost	5 days	Mon 12/6/21	Fri 12/10/21	◆																															
12	Present Plans and Estimates to Staff for Review	5 days	Mon 12/13/21	Fri 12/17/21	◆																															
13	Present Conceptual MP to Town Manager	1 day	Mon 12/20/21	Mon 12/20/21	★																															
14	Final Planning and Construction Documents	154 days	Fri 7/1/22	Wed 2/1/23	◆																															
15	Define Scope of Phase 1 Development	1 day	Fri 7/1/22	Fri 7/1/22	◆																															
16	Prep 70% Engineering Design CDs	70 days	Mon 7/4/22	Fri 10/7/22	◆																															
17	Obtain Dominion Energy Lighting Plans	22 days	Thu 9/8/22	Fri 10/7/22	◆																															
18	Finalize Restroom and Well Plans	22 days	Thu 9/8/22	Fri 10/7/22	◆																															
19	Staff Review of 70% Engineering Design	5 days	Mon 10/10/22	Fri 10/14/22	◆																															
20	Prepare 90% Engineering Design	20 days	Mon 10/17/22	Fri 11/11/22	◆																															
21	Staff Review of 90% Plans	5 days	Mon 11/14/22	Fri 11/18/22	◆																															
22	Negotiate Santee Cooper Participation	28 days	Mon 11/21/22	Wed 12/28/22	◆																															
23	Prepare Engineering Bid Documents	10 days	Thu 12/29/22	Wed 1/11/23	◆																															
24	Prepare Estimate of Probable Construction Cost	5 days	Thu 1/12/23	Wed 1/18/23	◆																															
25	Staff Review of Bid Documents	10 days	Thu 1/19/23	Wed 2/1/23	◆																															
26	Permitting	121 days	Thu 2/2/23	Thu 7/20/23	◆																															
27	Public Project Review	11 days	Thu 2/2/23	Thu 2/16/23	◆																															
28	DHEC/OCRM Review	40 days	Fri 2/17/23	Thu 4/13/23	◆																															
29	BJWSA	35 days	Fri 4/14/23	Thu 6/1/23	◆																															
30	Finalize and Approve 100% Plans	5 days	Fri 6/2/23	Thu 6/8/23	◆																															
31	Utility Coordination	30 days	Fri 6/9/23	Thu 7/20/23	◆																															
32	Bidding and Contracts	55 days	Fri 7/21/23	Thu 10/5/23	◆																															
33	Prepare Solicitation	5 days	Fri 7/21/23	Thu 7/27/23	◆																															
34	Obtain Approval for Solicitation	10 days	Fri 7/28/23	Thu 8/10/23	◆																															
35	Bid Period	30 days	Fri 8/11/23	Thu 9/21/23	◆																															
36	Bid Evaluation	5 days	Fri 9/22/23	Thu 9/28/23	◆																															
37	Prepare Contracts and Staff Report	5 days	Fri 9/29/23	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
Mon 9/19/22

Project Duration ◆ Critical Task ★
Task ◆ Milestone ◆

Planning and Conceptual Design ◆ Permitting ◆
Final Design and Construction Documents ◆ Easements and Land Acquisition ◆
Bidding and Contracts ◆ Construction ◆

OSCAR FRAZIER PARK
PROPOSED SCHEDULE



Project 00066 Tue 7/12/22	Milestone		Project Duration		Permitting		Construction
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition		
	Task		Final Design and Construction Documents		Bidding and Contracts		

OYSTER FACTORY PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Predecessors	Finish	2020												2021												2022												2023											
						S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M																	
1	Oyster Factory Park	884 days	Mon 10/14/19		Thu 3/2/23	◆																																															
2	Planning and Conceptual Design	705 days	Mon 10/14/19		Sat 6/25/22	◆																																															
9	Easement and Land Acquisition	210 days	Tue 5/11/21		Mon 2/28/22	◆																																															
11	Construction	144 days	Mon 8/15/22		Thu 3/2/23	◆																																															

Project: 00059 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	◆		

PARK IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2022	August 2022	September 2022	October 2022	November 2022	December 2022	January 2023	Feb				
					7/10	7/31	8/21	9/11	10/2	10/23	11/13	12/4	12/25	1/15		
1	PARK IMPROVEMENTS - FY 23	165 days	Mon 8/1/22	Fri 3/17/23	◆											
2	Final Planning and Construction Documents	55 days	Mon 8/1/22	Fri 10/14/22	◆											
6	Bidding and Contracts	55 days	Mon 9/26/22	Fri 12/9/22	◆											
12	Construction	51 days	Mon 11/21/22	Mon 1/30/23	◆											

Project 00086 Wed 7/13/22	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	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B
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 10/19/22

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

PATHWAY PEDESTRIAN SAFETY IMPROVEMENTS AME
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	AME Church Rain Garden	543 days	Mon 9/28/20	Wed 10/26/22	←-----→
2	AME Final Design and Construction Documents	226 days	Wed 10/28/20	Wed 9/8/21	◆-----◆
5	AME Bidding and Contracts	170 days	Mon 8/16/21	Fri 4/8/22	◆-----◆
11	AME Construction	143 days	Mon 4/11/22	Wed 10/26/22	◆-----◆

Project: 00050 Date: Mon 9/19/22	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	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December				
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	█	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
				█	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
				█	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

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																																		

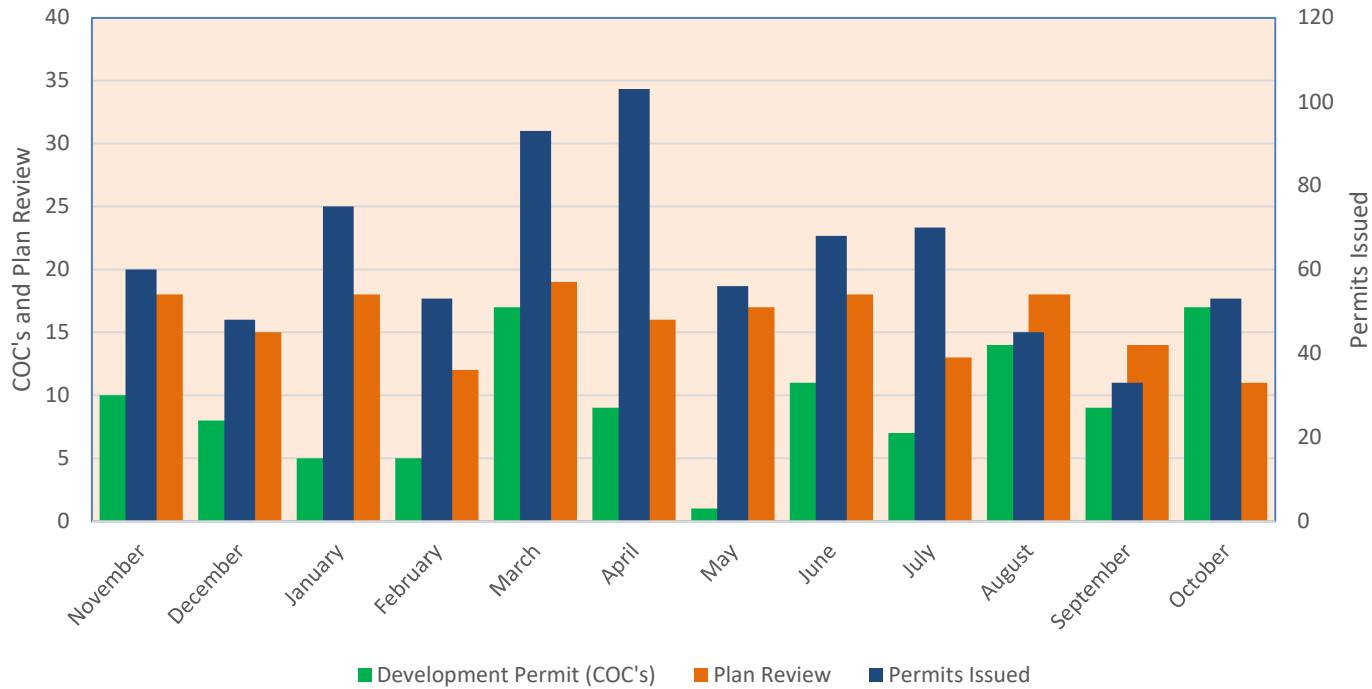
Project 00101 Fri 7/15/22	Milestone		Project Duration		Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition			
	Task		Final Design and Construction Documents		Bidding and Contracts			

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	◆																											

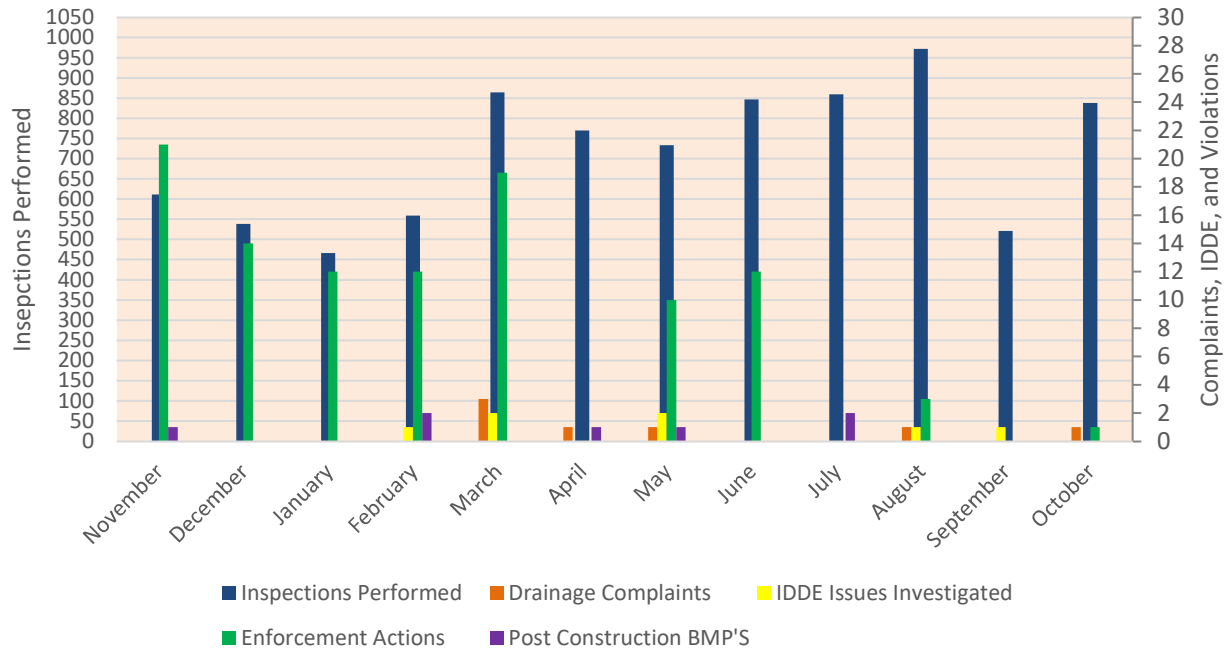
Project: 00068 Date: Thu 7/7/22	Milestone ◆	Project Duration ◆	Permitting ◆	Construction ◆
	Critical Task ★	Planning and Conceptual Design ◆	Easements and Land Acquisition ◆	
	Task ■	Final Design and Construction Documents ◆	Bidding and Contract ◆	

MS4 Minimum Control Measure #5 Stormwater Plan Review



TYPE	November	December	January	February	March	April	May	June	July	August	September	October	Last 12 Months
Development Permit (COC's)	10	8	5	5	17	9	1	11	7	14	9	17	113
Plan Review	18	15	18	12	19	16	17	18	13	18	14	11	189
Permits Issued	60	48	75	53	93	103	56	68	70	45	33	53	757

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	November	December	January	February	March	April	May	June	July	August	September	October	Last 12 Months
Inspections Performed	611	538	466	559	864	770	733	847	859	972	521	838	8578
Drainage Complaints	0	0	0	0	3	1	1	0	0	1	0	1	7
IDDE Issues Investigated	0	0	0	1	2	0	2	0	0	1	1	0	7
Enforcement Actions	21	14	12	12	19	10	10	12	0	3	0	1	78
Post Construction BMP'S	1	0	0	2	0	1	1	0	2	0	0	0	9

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 2022 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 has begun on October 1, 2022.

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 has begun on October 1, 2022.

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 2022 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. Town of Bluffton is working out the logistics of project.

USCB Water Quality Laboratory

Palmetto Bluff: FY 2022 sampling efforts are 12x/year for 6 wet/6 dry events including the additional parameters requested by Town of Bluffton. **Status:** Continued collection.

2022 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:** PT studies for all parameters have passed.

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 updated.

SCDHEC Tri-annual audit: Prepping for SCDHEC laboratory certification audit for all certified methods. SCDHEC requires designation of a Lab Director for laboratory and for correspondence. Danielle Mickel as designated Lab Director.

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.



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, December 14th, 2022, 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 – October 19th, 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
6. NEW BUSINESS
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
- A. Wednesday, February 15TH 2023 ([backup](#))
9. ADJOURNMENT

