



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

September 14 2022

Stormwater Utility Board Packet – August 2022

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1. Beaufort County Stormwater Manager Report – [Attached](#)
2. Stormwater Projects Report – [Attached](#)
3. Draft August Minutes – [Attached](#)
4. Draft 10.19.2022 Agenda - [Attached](#)



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, October 19th, 2022, 2:00 p.m.
Evergreen Regional Pond
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 – August 17th, 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, December 14th 2022 ([Not available](#))
9. ADJOURNMENT





Beaufort County Stormwater Management Utility Board (SWMU Board)

Meeting Minutes

August 17th, 2022 at 2:00 p.m.
Beaufort County Council Chambers

Board Members

Present

Steven Andrews
Ron Buchanan
Patrick Mitchell
Dennis Ross
Ed Warner

Absent

James Clark
James Fargher
Marc Feinberg

Ex-Officio Members

Present

Bill Baugher
Van Willis
Jacob Terry

Absent

Nate Farrow
Jeff Netzinger

Beaufort County Staff

Katie Herrera
Neil Desai
Julianna Corbin
Jon Spencer
Carolyn Wallace

Matt Rausch

Visitors

Alice Howard, County Council
Ellen Sturup Comeau, Clemson Extension
Danielle Mickel

1. Meeting called to order – Mr. Patrick Mitchell at 2:00 pm

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

2. Introductions – Completed.

- ✓ Mr. Mitchell welcomes Mr. Ron Buchannan, Mr. Dennis Ross, and Mr. Ed Warner.

3. Public Comment(s) – None.

4. Special Presentations – None.

5.Reports

A. Utility Update – Mrs. Katie Herrera

- ✓ Mrs. Herrera presents the Barrett Lawrimore Award before the council, which was received for collaborative efforts to develop and implement the Southern Lowcountry Stormwater Manual.
- ✓ 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. Scheduling a meeting with the technical subcommittee scheduled for August 18th.
 - b) Staff continues to support other municipalities in their efforts to move forward with adoption.
 - c) The SoLoCo Manual was the winner of the Barret Lawrimore Regional Cooperation Award from the South Carolina Association of Counties.
 - d) Upcoming SoLoCo presentations – StormCon (September – MD), SESWA (October – HHI)
- ✓ Special presentation suggestions –
 - Suggestions for Future Meetings
 - Research performed by Dr. Montie – Summer 2022
 - Open House – Evergreen Regional Pond – Fall 2022
 - Mike Johnson – CP&P Pipe
 - Dr. Warren Lab update – Fall 2022
- ✓ 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.

B. Monitoring Update – Mrs. Danielle Mickel

- ✓ Mrs. Danielle Mickel addressed the water lab monitoring.

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

- ✓ Mentioned the Shell Point Task Force implementation and planning meeting with J. Bragg Consulting, Inc.

D. Stormwater Related Projects – Ms. Julianna Corbin

- ✓ Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easements coming in. Edits to the Extent of Service and Level of Service documents pending Council guidance prior to finalization
- ✓ Complaints – Staff continually works numerous drainage related complaints each month.
 - a) Shell Point Community – Notice to proceed issued to J. Bragg Consultants, Inc August 1, 2022 and kick off meeting scheduled shortly thereafter
- ✓ Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) –Staff sent a final letter to the property owner in late June and is preparing to take legal action.
- ✓ Graves Property / Pepper Hall Public / private partnership – Construction continues on site
- ✓ Whitehall property purchase – Construction continues on City property.
- ✓ Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No update at this time
- ✓ Tuxedo Park Pond Dredging- Bid opportunity closed on July 18th with two bids. At time of report, staff is collecting further estimates.
- ✓ Huspah Court North- Bid opportunity closed on July 22nd with no bids. This has prompted staff to draft an RFQ for on-call contractors for such work and to act as an extension of the infrastructure team when needed. This work could be done in house pending schedules.
- ✓ Bessie’s Lane- Similar project scope to Huspah Court North. In house designs were finalized and bid documents posted on July 18th.
- ✓ Arthur Horne Park- County staff continues to cooperate with the engineering team doing the Preliminary Investigatory Feasibility Report (PIFR) and our Natural Resources Conservation Service (NRCS) representative. The majority of this work thus far has been collecting water quality, shellfish, and project information within the HUC-10 watershed. The draft PIFR delivery date is August 22, and the final report will follow mid-September. There may be opportunities to do additional projects within the area as well. The PIFR is being funded through NRCS at no expense to the County.

E. Professional Contracts – Ms. Julianna Corbin

- ✓ CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
- ✓ Brewer Memorial –Closeout process is in progress, and as-built survey data was collected July 25. Educational Signage expected to be received the first week of August and installed shortly thereafter, soft opening event to be scheduled following that milestone.
- ✓ Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Project work complete on August 1.
- ✓ Stormwater engineering consulting services – Woolpert
 - Scope #1 – General Services – Anything relating to Stormwater as a catch all scope. Allocated Funds – \$15,000.00.
 - Scope #2 – Southern Lowcountry Design Manual Training – This was completed prior to June of this year. Training set up for in house staff as well as developers in the County. Allocated funds - \$30,000.00.
 - Scope #3 – Comprehensive program audit. Reviewing all components of the MS4 program, CIP list, Utility, asset management, etch. Allocated funds - \$105,000.00. Audit has been completed. Staff are making adjustments to program in accordance with recommendations of the audit.
 - Scope #4 – Tax Run and Utility assistance. In the event the County needed assistance with assessing SW Fees, we have them available on call. We will also look to have them QA/QC data from previous years. Allocated funds - \$29,900.00.
 - Scope #5 – Battery Creek Pond – The grate-style trash rack recommended to relieve issues of trash reaching the marshes of Battery Creek has been installed and staff makes frequent visits to observe function and efficacy. See attached photos.
 - Scope #6 – Turtle Lane drainage study. Continuously flooded property, Stormwater staff wanted to determine if it would be useful to purchase and put BMP in place. Determination was no BMP yet but could fit into larger study of Northern Lady’s Island. Allocated funds - \$10,000.00. Project Completed.
 - Scope #7 – NPDES SMS4 general permit assistance
 - Scope #8 – St. Helena Drainage Study. Final report draft received 6/30
 - Scope #9 – Arthur Horne Park 319 Grant Funding – SC DHEC sent 319 grant decision letter to county staff on July 29 that the project was not selected for funding through the grant opportunity.
 - Scope #10 – Lady’s Island Drainage Study Phase I – County staff received GIS data on 6/30, Phase II (hydrologic and hydraulic modeling) scope authorized by county staff on July 20.
- ✓ Scopes on County and Woolpert Radar:
- ✓ Mint Farm and Rivers End Water Quality Retrofits

F. Regional Coordination – Mrs. Katie Herrera

- ✓ County Staff working with NRCS engineering firm to incorporate projects for water quality amongst the City of Beaufort and Town of Port Royal.

G. Municipal Reports

- ✓ Town of Bluffton – Mr. Bill Baugher
 - Establishing an infrastructure water flow study.
 - Installed a new tidal gauge.
- ✓ Town of Port Royal – Mr. Van Willis
 - Establishing a water park study for Cypress Wet Lands duplication.
- ✓ Town of Hilton Head – Mr. Jacob Terry
 - Working on software updates.

H. MS4 Report – Mrs. Katie Herrera

- ✓ Plan Review
- ✓ Stormwater Permits
- ✓ Monthly Inspection Summary
 - Averaging over 700 inspections.
 - Currently interviewing candidates for senior inspector position.
 - DHEC late fee bill has been resolved.
- ✓ Public Education – Mrs. Ellen Comeau
 - There has been an increase of calls pertaining to septic systems, which is a good thing.
 - There are plans for more festivals in the upcoming months.
- ✓ Public Education – Mrs. Katie Herrera
 - BMPs for Sea Island Parkway open house will be in September.
- ✓ MS4 Statewide General permit – Katie Herrera
 - September 1st will be the SCASM meeting.

I. Staff Update

- ✓ Stormwater Infrastructure is nearly fully staffed
- ✓ Stormwater Regulatory budget for a Senior Stormwater Inspector has been approved.

J. Maintenance Report

- ✓ Several major projects and minor projects.

6. Liaison Report – Beaufort County Council – Alice Howard

Highlights

7. Unfinished Business – Mr. Patrick Mitchell congratulated Mrs. Alice Howard on the winning of her award.

8. New Business

- ✓ Mrs. Katie Herrera is planning to coordinate a special presentation with Woolpert to demonstrate a drainage study with Mr. Glover

9. No Public Comment

10. Meeting Adjourned



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August 2022

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Utility Update

1. Southern Lowcountry Regional Board (SoLoCo)
 - a) The current schedule for completion and finalization on the document and activities of Center for Watershed Protection (CWP) is as follows:
2. Regionalization
 - a) Staff continues to support coordination on permitting standards. Scheduling a meeting with the technical subcommittee scheduled for August 18th.
 - b) Staff continues to support other municipalities in their efforts to move forward with adoption.
 - c) The SoLoCo Manual was the winner of the Barret Lawrimore Regional Cooperation Award from the South Carolina Association of Counties.
 - d) Upcoming SoLoCo presentations – StormCon (September – MD), SESWA (October – HHI) SC Water Resources (October – Columbia)
3. Special presentation suggestions –
 - Suggestions for Future Meetings
 - Open House – Evergreen Regional Pond – October 2022
 - Mike Johnson – CP&P Pipe – Spring 2023
 - St. Helena Drainage Study – December 2022
4. Military installation and other State and Federal properties SWU fees – See “Delinquent Accounts” below.
5. Delinquent accounts – Phase I Investigations with Gentry Locke Attorneys (looking at data, laws, ordinances, synopsis of case law) to provide recommendations and likely outcomes of either negotiations or litigation.
 - IGA amendments for the Town of Port Royal have been approved. At time of report, still awaiting copies.

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6. Reminder: Annual Financial report from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30th, the City and Towns are required to submit a summary of revenue and expenditures for the previous fiscal year.
 - a) Beaufort County – Received.
 - b) Town of Hilton Head Island – Received.
 - c) Town of Bluffton – Received.
 - d) Town of Port Royal – Not received.
 - e) City of Beaufort – Not Received.

Monitoring Update

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

Stormwater Implementation Committee (SWIC) Report

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

Stormwater Related Projects

1. Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easements coming in. 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 – Following kickoff meeting on August 9, staff has worked with J. Bragg Consulting to gather information. Task Force Meeting was held August 23 to involve stakeholders of the next phase. County staff, SCDOT staff, and J. Bragg Consulting met on September 12 to discuss permitting and maintenance schedules ahead of project design.
3. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) – Beaufort County Legal is handling litigation.
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- Re-bid opportunity closed on July 18th with two bids, both of which were significantly higher than the original quote and the budget for this project. After collecting further estimates, the project has been deferred to FY24 so it can be budgeted for appropriately.

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8. Huspah Court North- To be a project under an RFQ for on-call contractors. This RFQ is in review.
9. Bessie's Lane- Similar project scope to Huspah Court North. Bid closed with no bids and this project will also fall under the on-call RFQ.
10. Arthur Horne Park- The draft Preliminary Investigatory Feasibility Report (PIFR) report, delivered in late August, was positive. The final report will be delivered to the State Conservationist for final approval and then to the Governor for notification. 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. Following the approval process, NRCS and their contractors will be heavily involved in the design process of the park.

Professional Contracts Report

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
 - a) Brewer Memorial –Closeout process continues and punch list is being finalized for contractor. Grand opening event is scheduled for 11am-1pm on October 27th.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Project closeout project continues with final inspection by Town of Bluffton pending. Public outreach event, an aspect of the 319 grant, planned for after the on-site utility board meeting on October 19.
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 – The grate-style trash rack recommended to relieve issues of trash reaching the marshes of Battery Creek has been installed and staff makes frequent visits to observe function and efficacy. Project complete.
 - f) Scope #6 – Turtle Lane drainage study. Continuously flooded property, Stormwater staff wanted to determine if it would be useful to purchase and put BMP in place. Determination was no BMP yet but could fit into larger study of Northern Lady's

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- g) Island. Allocated funds - \$10,000.00. Project Completed.
- h) Scope #7 – NPDES SMS4 general permit assistance
- i) Scope #8 – St. Helena Drainage Study. Final report draft received 6/30
- j) Scope #9 – Arthur Horne Park 319 Grant Funding – SC DHEC sent 319 grant decision letter to county staff on July 29 that the project was not selected for funding through the grant opportunity. Scope completed.
- k) Scope #10 – Lady’s Island Drainage Study Phase I – Woolpert has completed the hydrologic and hydraulic model and has begun running storm scenarios

Scopes on County and Woolpert Radar:

- 1. Mint Farm and Rivers End Water Quality Retrofits
- 2. Financial planning

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

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 – Report unavailable.

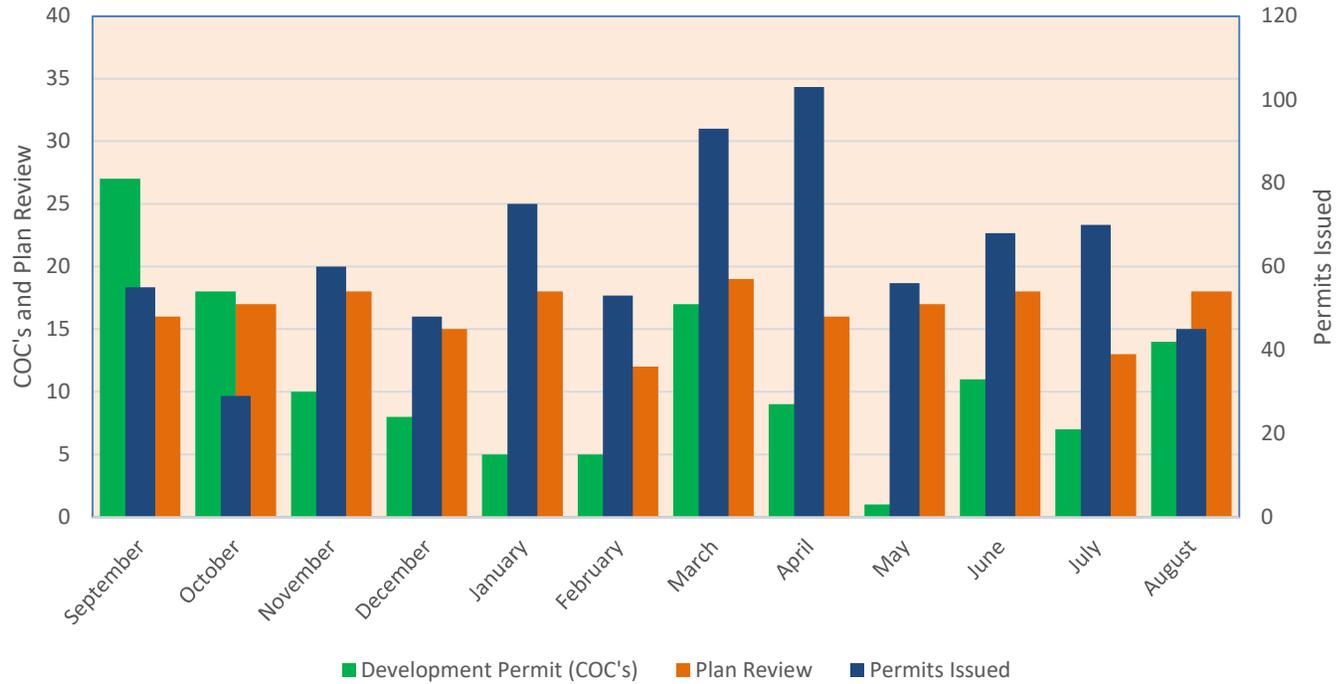
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5. Public Education – [See attached report.](#)
6. Energov permitting software – Staff continues to work with IT and Energov staff on any issues that arise.
7. MS4 Statewide General permit – No update at this time.

Staff Update

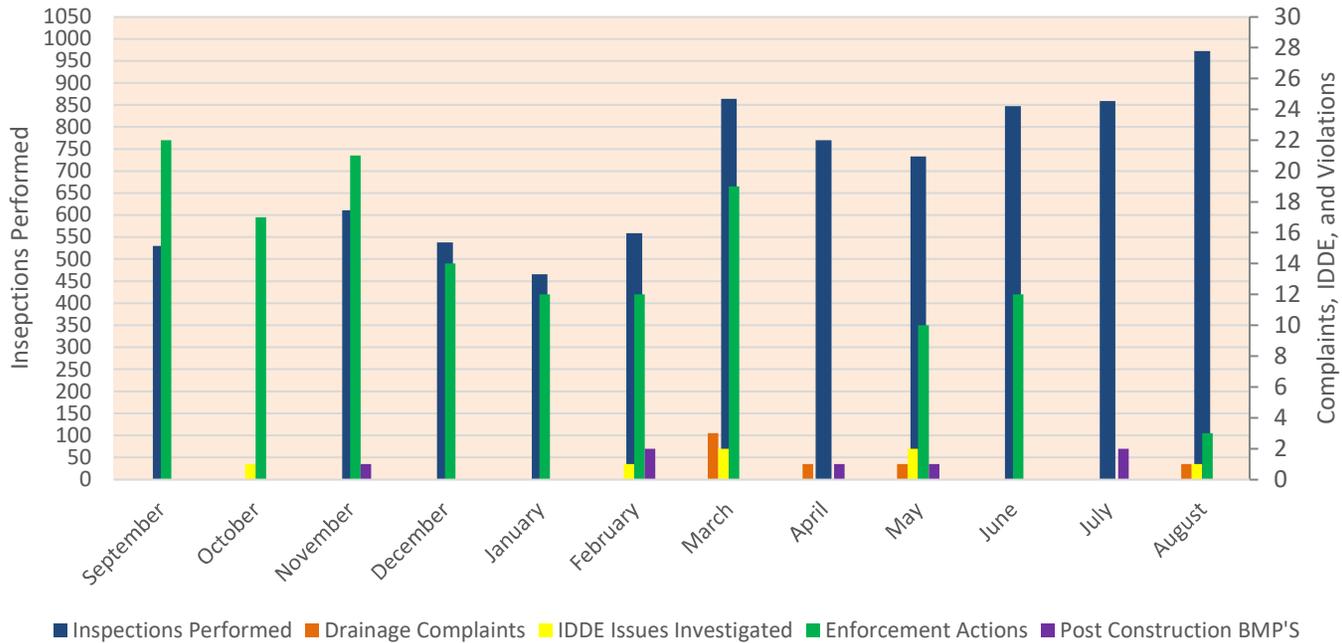
1. The Department continues to conduct interviews for all vacant positions in Stormwater.

MS4 Minimum Control Measure #5 Stormwater Plan Review



TYPE	September	October	November	December	January	February	March	April	May	June	July	August	Last 12 Months
Development Permit (COC's)	27	18	10	8	5	5	17	9	1	11	7	14	132
Plan Review	16	17	18	15	18	12	19	16	17	18	13	18	197
Permits Issued	55	29	60	48	75	53	93	103	56	68	70	45	84

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	September	October	November	December	January	February	March	April	May	June	July	August	Last 12 Months
Inspections Performed	530	323*	611	538	466	559	864	770	733	847	859	972	530
Drainage Complaints	0	0	0	0	0	0	3	1	1	0	0	1	6
IDDE Issues Investigated	0	1	0	0	0	1	2	0	2	0	0	1	7
Enforcement Actions	22	17	21	14	12	12	19		10	12	0	3	117
Post Construction BMP'S	0	0	1	0	0	2	0	1	1	0	2	0	9

USCB Water Quality Lab Update

Beaufort County

Contract Renewal: New contract is in place with an expiration of 5 years.

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: Third quarter began July 1st and dry sites have been collected.

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.

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.

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: Third quarter begins July 1st.

Town of Bluffton

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: Monitoring for 2022 will begin with additional sampling sites and increased frequency of 2X a month including help of WQL staff collecting samples. WQL staff sample collection no longer needed as TOB is fully staffed. Bridge St. site collection is ceased due to lack of access sites.

Memorandum of Understanding: An amendment to the current MOU is generated for the purposes of additional sampling efforts by the Town of Bluffton and has been fully executed. Annual approval to continue services has been submitted to USCB's Grant department.

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. Should occur in the near future.

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.

TOWN COUNCIL



STAFF REPORT

Projects and Watershed Resilience Department

MEETING DATE:	September 13, 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 request SCDOT inspection.
 - 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. One light in Palmetto Electric's service area has been mounted on an existing pole.
- Phase 6A along Simmons ville Road from Grayco northward to Sugaree Drive waiting on final as-builts for DOT inspection.
- Phase 6B along Simmons ville Road from Sugaree Drive northward to the existing New Mustang Road: Engineering design for this final sidewalk phase is underway.
- **Next Steps**
 - Prepare and obtain streetlight easements and install lighting for Phase 5.
 - Obtain SCDOT Permit Closeout for Phase 6A sidewalks.
 - Complete Phase 6B design and permitting.
 - 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 Engineering for Phase 1 Engineering Design.
- Received progress engineering plans for Staff review.
- 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 design restroom facility and associated utility extension at the New River Trail Park. 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-5D)

- 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 a draft of new construction documentation to complete the project.
- **Next Steps**
 - Readvertise for bids in September to complete construction on Phase 5A-D.
 - 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 HD Sewer 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.
- Met with School Board to discuss Impervious Restoration Program and potential work elements for 6 identified School sites.
- Initial site investigations at all 11 sites in process.
- Policy document for Impervious Restoration Program and Developer Participation Projects under formulation.
- **Next Steps**
 - Continue site assessments and evaluations.
 - Review Policy Document of similar intent nationwide.
 - Finalize letter to identified private property owner sites that discusses Impervious Restoration Program goals and objectives and request a meeting to gain their support for participation.

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**
 - Evaluate and Award contract for construction.

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

- Construction documents are complete and submitted to SHPO for a courtesy review.
- ATAX funding was approved in March 2022.
- Stabilization has been completed.
- Solicitation 2023-19 posted August 11, 2022.
- Submittal of Proposals due September 20, 2022.
- **Next Steps**
 - Procure General Contractor for Rehabilitation.

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 (10-12 weeks to ship) and stakeout/subsurface investigation to determine potential utility conflicts with proposed stormwater construction.
 - **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 October 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.
- 5. Calhoun Street Streetscape**
- Surveying is complete and engineering design underway.
 - 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 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 currently substantially complete. Solicitation for AME Landscaping has been issued and receipt of 3 Bids were received on 8/23/22. Bids under evaluation for contract award.
 - 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**
 - Complete construction of AME Church rain garden.
 - Award AME Landscape Project.
 - Finalize ADA crosswalk easements.
 - Prepare ADA crosswalk RFP for bid.
- 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 July 15, 2022.

- Information gathered related to GIS, Cartograph, development plans etc. complete. Phase I asset inventory and condition assessment completed.
- **Next Steps**
 - Review Phase I asset inventory and condition assessment information once presented by consultant.

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 3rd party evaluations of drainage claims and complaints associated with 40 Pritchard Street.
- Emergency procurement for construction of interim solution approved. Coordinating material deliveries and work to be performed by Atlantic Asphalt.
- Public Services performed interim drainage solution measures to help improve and mitigate drainage issues.
- **Next Steps**
 - Receive Cranston 70% design submittal.
 - Construct interim drainage solution.

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.
- Received Bids for Parking Improvement Area
- **Next Steps**
 - Obtain Council Approval for Parking Area Contract.
 - Obtain final permits and begin construction of parking area in October 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.
 - Install additional swing.

3. Oscar Frazier Park

- FY 22 Improvements complete.
- Requested Proposals from Witmer, Jones, Keefer for design of FY 23 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 and submit progress plans at the October Town Council Workshop

- 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 and moving forward with approvals and permitting. Submitted plans for Public Project Approval
 - 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.
 - **Next Steps**
 - Present contract for approval in October, subject to bids within budget parameters.
 - Continue architectural design of barn addition.
 - Obtain approval of playground area and pavilions at the September Town Council meeting.
 - Begin design of playground area in September.

- 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 end of September.
 - Complete construction.

- 6. Miscellaneous Park Improvements**
 - Begin design and cost estimating of playground improvements at DuBois Park.
 - Completed pathway improvements at the Pritchard Street Pocket Park.
 - **Next Steps**
 - Present proposed DuBois Park playground improvements at the October Workshop.
 - Complete design of FY 2023 improvements at DuBois Park.

TOWN FACILITIES AND MISCELLANEOUS PLANNING

1. Rotary Community Center Facility Improvements

- Completed floor replacement in August 2022.

2. Buckwalter Place Park Restroom

- Design for the Buckwalter Park restroom is complete.

- **Next Steps**
 - Project on hold based on restroom availability at adjacent Evicore site.
- 3. Town of Bluffton Housing Projects**
- **Next Steps**
 - Planning and design to begin upon completion of Joint Venture Agreement.
 - Provide financial assistance to Joint Venture Partner for planning, design and permitting of Affordable/Workforce Housing at 1095 May River Road.
 - Complete site investigations and due diligence work for the Town-owned Willow Run tract.
- 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**
 - Punch list and BJWSA closeout documents complete.
 - Information Technology department coordinating upgrades to building security systems.
 - Obtain final quotes and bid site development for challenge course.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. Network Infrastructure**
- Replaced core switches at Town Hall and the Law Enforcement Center.
 - Replaced two VMWare hosts for a more stable server environment.

- **Next Steps:**
 - Replace phone system to a more modern system.
 - Replacing two more VMWare hosts.
 - Migrate Munis and Energov systems to a hosted environment.

Watershed Management

1. 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.
- **Next Steps**
 - Develop a 3-party partnership to execute the project.
 - Applying through BJWSA for RIA SCIIP grant for \$8 million.

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 forty-four (44) water quality samples from the Model Report study area on 8/01/22.

- Staff is collecting intermittent flow data in conjunction with grab samples at monitoring sites in the May River Headwaters as recommended in the 2020 May River Watershed Action Plan Update and Model Report. Staff is working with Water Environmental Consultants (WEC) to determine what monitoring sites are most critical due the length of time flow data collection requires.
 - Staff has implemented continuous flow monitoring instruments in the Stoney Creek and Rose Dhu Creek sub watersheds. Water Environment Consultants has assessed the first six (6) months of data from continuous flow monitoring stations, weather stations, and intermittent flow stations. Following comments, WEC has provided a final report detailing the review process as well as siting and equipment recommendations for future data collection. Staff met with WEC to discuss staff comments and a revised final report was provided to the Town.
 - WEC assisted Town staff with the appropriate specifications for SonTek IQ Telemetry Stations that will enable real-time continuous flow data. Town staff continues to coordinate with Xylem, WEC, and the Finance Department for equipment purchase this fiscal year.
 - 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.
- 5. Municipal Separate Storm Sewer System (MS4) Program Update**
- 2022 Annual MS4 dues have been paid to SCDHEC. 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 8/25/22. **Attachment 3**
- 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 8/01/22. The human genetic marker was not detected in any of the samples collected.
 - 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 presented on Good Housekeeping / Pollution Prevention during the Police Department's All-Hands meeting on 8/4/22.

MS4 MCM – #6 Good Housekeeping (Ditch, Drainage and Roadside Maintenance)

- Public Services performed weekly street sweeping on Calhoun Street, Highway 46, Bruin Road, May River Road, Pin Oak Street, and curbs and medians on Simmonsville and Buck Island Roads.
- Performed ditch inspections
 - Arrow ditch (2,569 LF)
 - Red Cedar ditch (966 LF)
 - Buck Island roadside ditch (15,926 LF)
 - Simmonsville roadside ditch (13,792 LF)
- Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simmonsville Roads, Goethe Road, Shults Road, Jason and Able Streets, Whispering Pine Road, May River Road and Eagles Field.

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

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

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

	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022
	Fecal Coliform (MPN)																							
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		4.5	79.0	26.0		2.0	31.0	13.0		4.5	21.0	23.0		1.8	33.0	23.0		2.0	79.0	17.0	
September	79.0	110.0	33.0		33.0	49.0	11.0		6.8	49.0	17.0		17.0	33.0	13.0		4.5	33.0	2.0		1.8	33.0	11.0	
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	38.0	23.0	21.0	26.0	26.0	16.0	16.0	18.0	17.0	14.0	12.0	15.0	12.0	10.0	10.0	10.0	9.0	7.0	9.0	8.0	8.0
** Truncated 90th Percentile	168.0	106.0	139.0	178.0	89.0	59.0	69.0	75.0	63.0	50.0	58.0	61.0	52.0	37.0	39.0	44.0	38.0	31.0	35.0	39.0	32.0	35.0	33.0	31.0

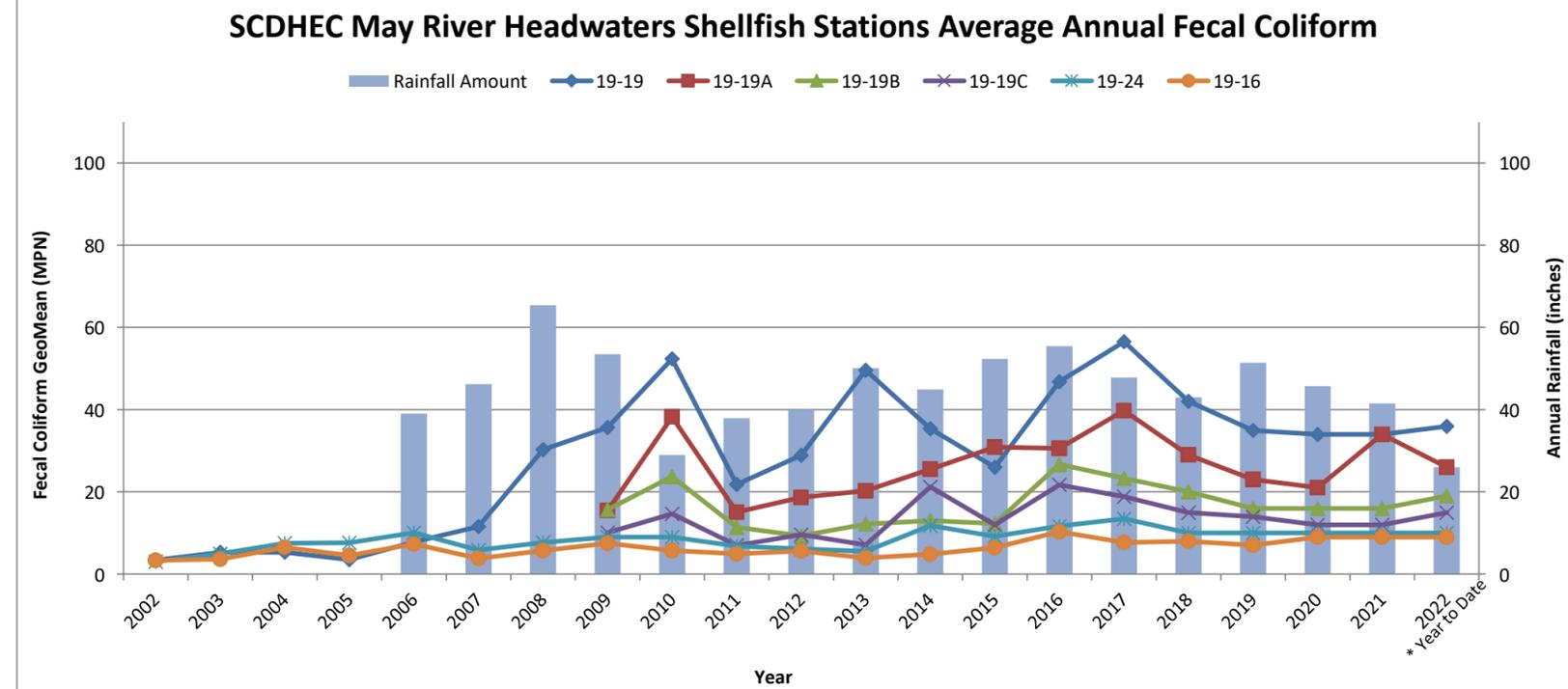
NS = No Sample

SCDHEC Regulatory Requirements:

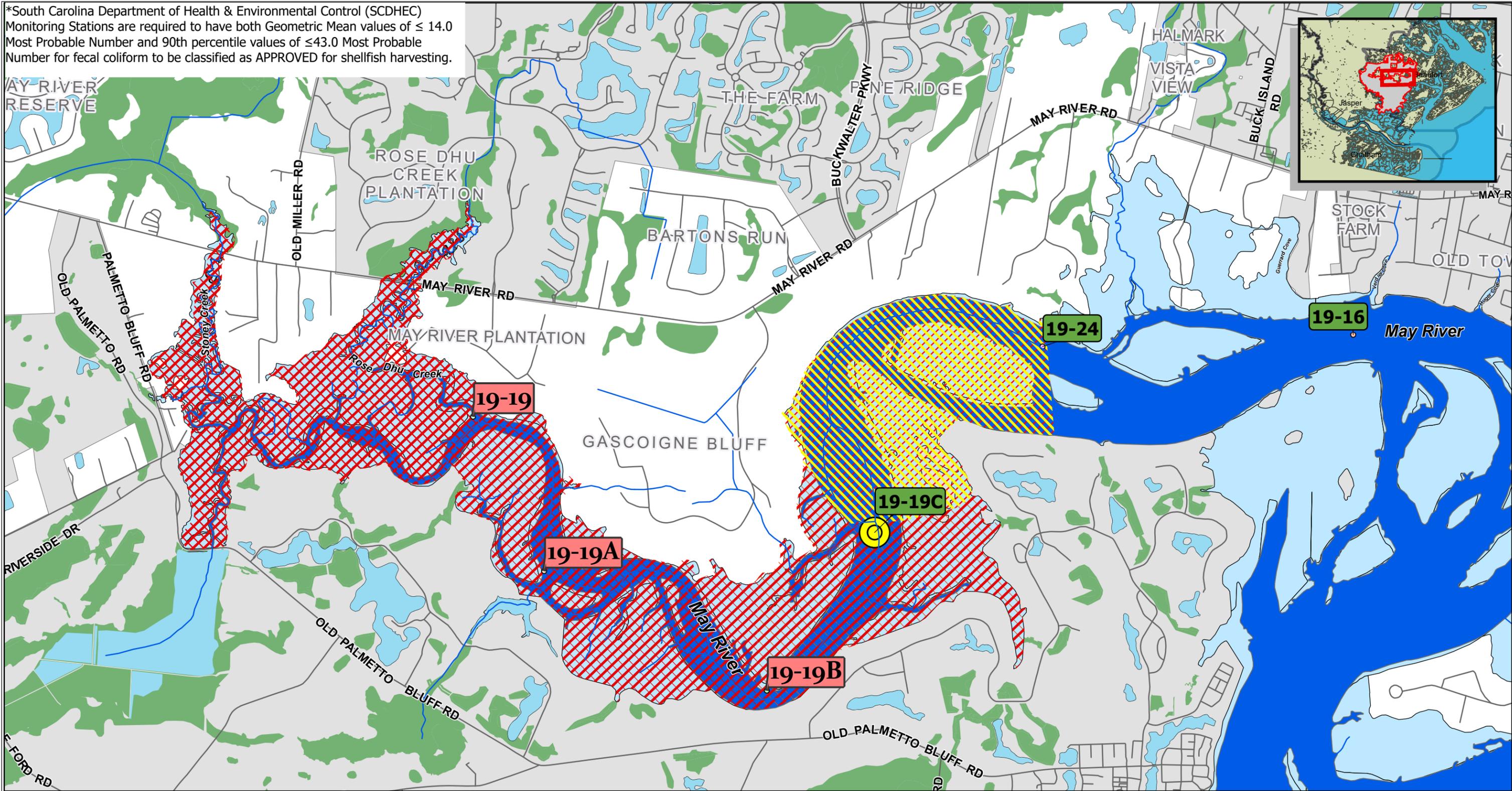
Geometric Mean ≤ 14

90th Percentile ≤ 43

** Town staff calculations utilizing SCDHEC statistics



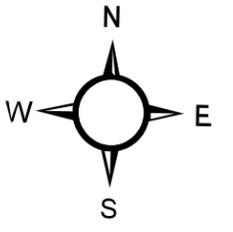
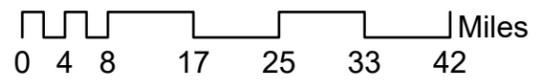
*South Carolina Department of Health & Environmental Control (SCDHEC) Monitoring Stations are required to have both Geometric Mean values of ≤ 14.0 Most Probable Number and 90th percentile values of ≤ 43.0 Most Probable Number for fecal coliform to be classified as APPROVED for shellfish harvesting.



- | | |
|--|---|
| <ul style="list-style-type: none"> Closed SCDHEC Shellfish Monitoring Stations Open SCDHEC Shellfish Monitoring Stations SCDHEC Shellfish Monitoring Station Classification Change Restricted 2021/2022 Shellfish Season | <ul style="list-style-type: none"> Streets Drainage Town Jurisdiction County Jurisdiction Water Wetlands Re-Opened 2021/2022 Shellfish Season |
|--|---|

Town of Bluffton
Beaufort County, SC

SCDHEC SHELLFISH HARVESTING STATUS



ACTIVITY - FINANCIAL	STATUS
Funding Opportunities	Council unanimously adopted \$115 SWU Fee and NPDES-related Fees on 6/9/20.
ACTIVITY - POLICIES	STATUS
Sewer Connection & Extension Policy	<i>Completed 2017.</i>
Septic to Sewer Conversion Program	<i>Completed 2018.</i>
Sewer Connection Ordinance and Ordinance Amendment	<i>Completed 2015 and 2018, respectively.</i>
Southern Lowcountry Regional Stormwater Ordinance and Design Manual	<i>Current project updates are included in Engineering Consent Agenda under "Southern Lowcountry Regional Board (SoLoCo)."</i>
ACTIVITY - PROJECTS	STATUS
Sanitary Sewer Extension	Completed Buck Island/Simmonsville Road (BIS) Phases I, II, III, IV; Toy Fields; Jason/Able; and Poseys Court. Six project phases of Historic District sewer extension are proposed in the 5-year Capital Improvement Program. <i>Current project updates are included in Engineering Consent Agenda under "Sewer & Water."</i>
May River 319 Grant Phase 1 - New Riverside Pond (Grant award of \$483,500 in 2009)	<i>Completed 2013.</i>
May River 319 Grant Phase 2 - Pine Ridge (Grant award of \$290,000 in 2011)	<i>Completed 2016.</i>
May River 319 Grant Phase 3 - Town Hall Parking Retrofit (Grant award of \$231,350 in 2016)	<i>Completed 2019.</i>
May River 319 Grant Phase 4 - Sanitary Sewer Connections (Grant award of \$365,558.36 in 2019)	Grant to construct 49 sewer lateral connections in Poseys Court, Little Aaron and Historic District Phases 1 and 2. <i>Current project updates are included in Engineering Consent Agenda under "Sewer & Water."</i>
May River 319 Grant Phase 5 - Bridge Street Streetscape (Grant award of \$179,900 in 2020)	Supports enhanced drainage and water quality improvements as part of the Bridge Street Streetscape project. <i>Current project updates are included in Engineering Consent Agenda under "Pathways."</i>
Stoney Creek Wetlands Restoration: Preliminary Design Phase	Project on hold following Council direction on 5/31/17.
May River Watershed Action Plan Update & Modeling Report	<i>Completed 2021. Town Council adopted the document as a supporting document to the Comprehensive Plan on 2/9/21.</i>
ACTIVITY - PROGRAMS	STATUS
Public Outreach/Participation/Involvement (MS4 Minimum Control Measures #1 & 2)	Outreach and involvement efforts continue through county-wide partnership with Carolina Clear as Lowcountry Stormwater Partners - Neighbors for Clean Water, through local cleanups, civic group presentations, and the May River Watershed Action Plan Advisory Committee. <i>Current updates are included in Engineering Consent Agenda and Attachment 3.</i>
Infrastructure Mapping/GIS (MS4 Minimum Control Measure #3)	Data points continue to be collected with new development to meet MS4 requirements & populate water quality model. <i>Current updates are included in Engineering Consent Agenda Attachment 4a.</i>

ACTIVITY - PROGRAMS continued	STATUS continued
Water Quality Monitoring Program (MS4 Minimum Control Measure #3)	1. SCDHEC Shellfish monitoring results and map 2. <i>E. coli</i> bacteria "hot spot" concentrations 3. Microbial Source Tracking of bacteria 4. Illicit Discharge investigation and monitoring 5. BMP efficacy monitoring 6. MS4 monitoring <i>Current updates are included in Engineering Consent Agenda Attachments 1, 1a, 4b - 4d.</i>
Illicit Discharge Detection & Elimination (IDDE) Program (MS4 Minimum Control Measure #3)	Response to reported and observed non-stormwater discharges to the stormwater drainage system. <i>Current updates are included in Engineering Consent Agenda Attachment 4e.</i>
Construction Site Stormwater Runoff Control Program (MS4 Minimum Control Measure #4)	Sediment and erosion control inspections with escalating enforcement response. <i>Current updates are included in Engineering Consent Agenda Attachment 5.</i>
Stormwater Plan Review & Related Activity Program (MS4 Minimum Control Measure #5)	SCDHEC delegated plan review-related activities. <i>Current updates are included in Engineering Consent Agenda Attachment 6.</i>
Ditch Inspection/Maintenance Program (MS4 Minimum Control Measure #6)	Continued coordination with SCDOT, Beaufort County and Town Public Works to inspect and maintain ditches within the Town's jurisdiction. <i>Current updates are included in Engineering Consent Agenda Attachment 7.</i>
Neighborhood Assistance Program - Septic System Maintenance Program	On-going assistance offered to Town residents regardless of financial status through Neighborhood Assistance Program (NAP). <i>Current updates are provided in Growth Management Consent Agenda.</i>



May River Watershed Action Plan Advisory Committee Meeting

Thursday, August 25, 2022 at 9:00 AM

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

AGENDA

- I. **CALL TO ORDER**
- II. **ROLL CALL AND CONFIRMATION OF QUORUM**
- III. **ADOPTION OF THE AGENDA**
- IV. **ADOPTION OF MINUTES**
 1. Adoption of July 28, 2022 Minutes
- V. **PUBLIC COMMENTS**
- VI. **NEW BUSINESS**
 1. May River Watershed Action Plan Project Implementation and Capital Improvement Program (CIP) Status Update – Dan Rybak, Project Manager
- VII. **OLD BUSINESS**
 1. Water Quality Monitoring Program (Standing Item) - Beth Lewis, Water Quality Program Administrator
 - a. Monthly Sampling Update
 - b. Microbial Source Tracking (MST) Update
 - c. SCDHEC Shellfish Data Update
- VIII. **DISCUSSION**
 1. Committee Report on the Planning Commission Workshop to Discuss the Natural Resources and Resiliency Elements for Blueprint Bluffton, an Updated Long-range Comprehensive Plan for the Town of Bluffton
- IX. **ADJOURNMENT**

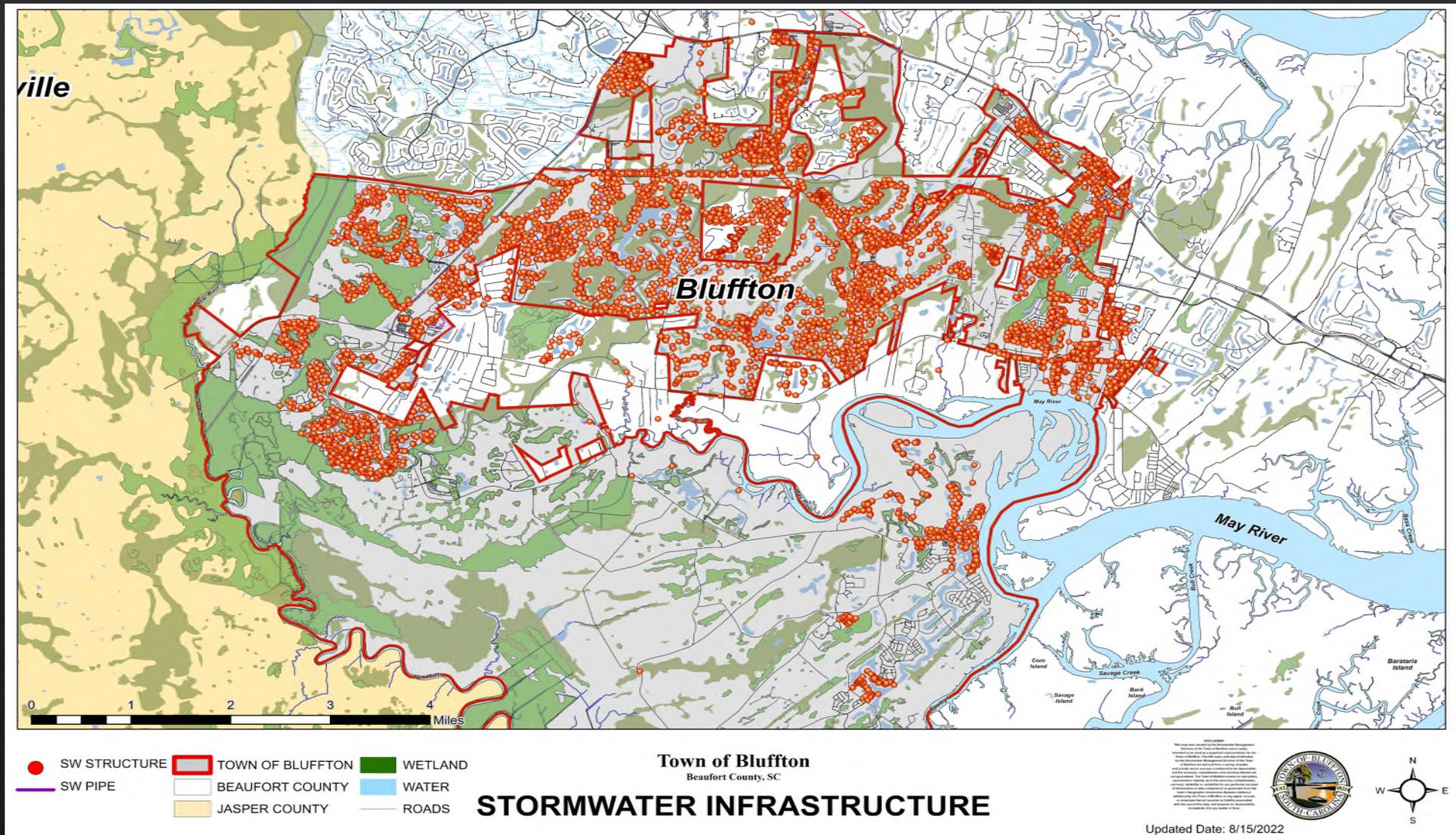
NEXT MEETING DATE: 9:00 AM, September 22, 2022

“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.

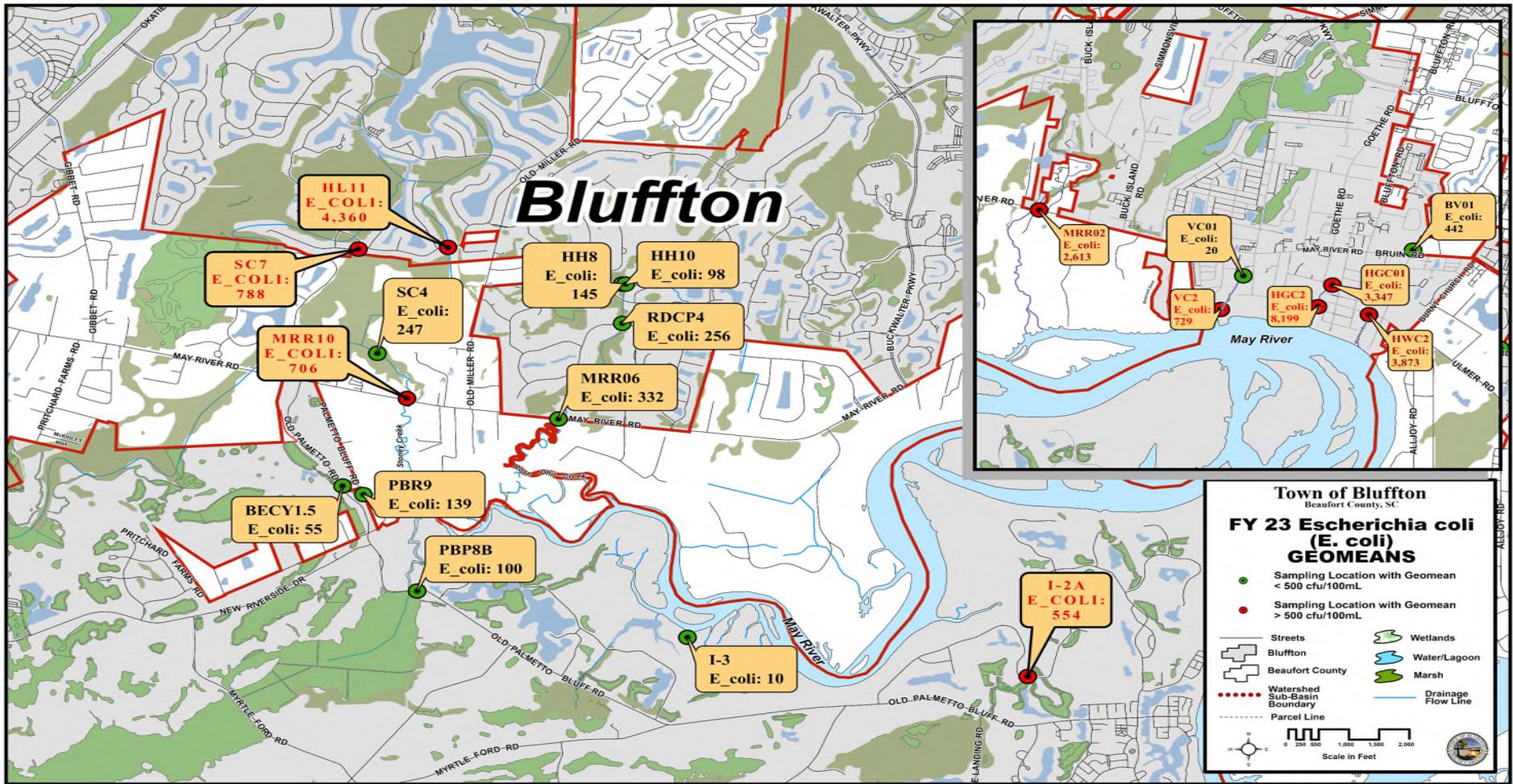
**Please note that each member of the public may speak at one public comment session and a form must be filled out and given to the Town Clerk. Public comment must not exceed three (3) minutes.*

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



Stormwater Infrastructure Inventory Collection Status	
FY 2023 YTD Collection Totals	985
FY 2022 YTD Collection Totals	2705
FY 2021 Collection Totals	2,222

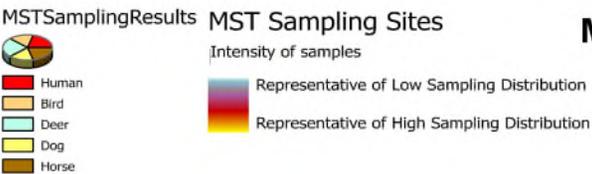
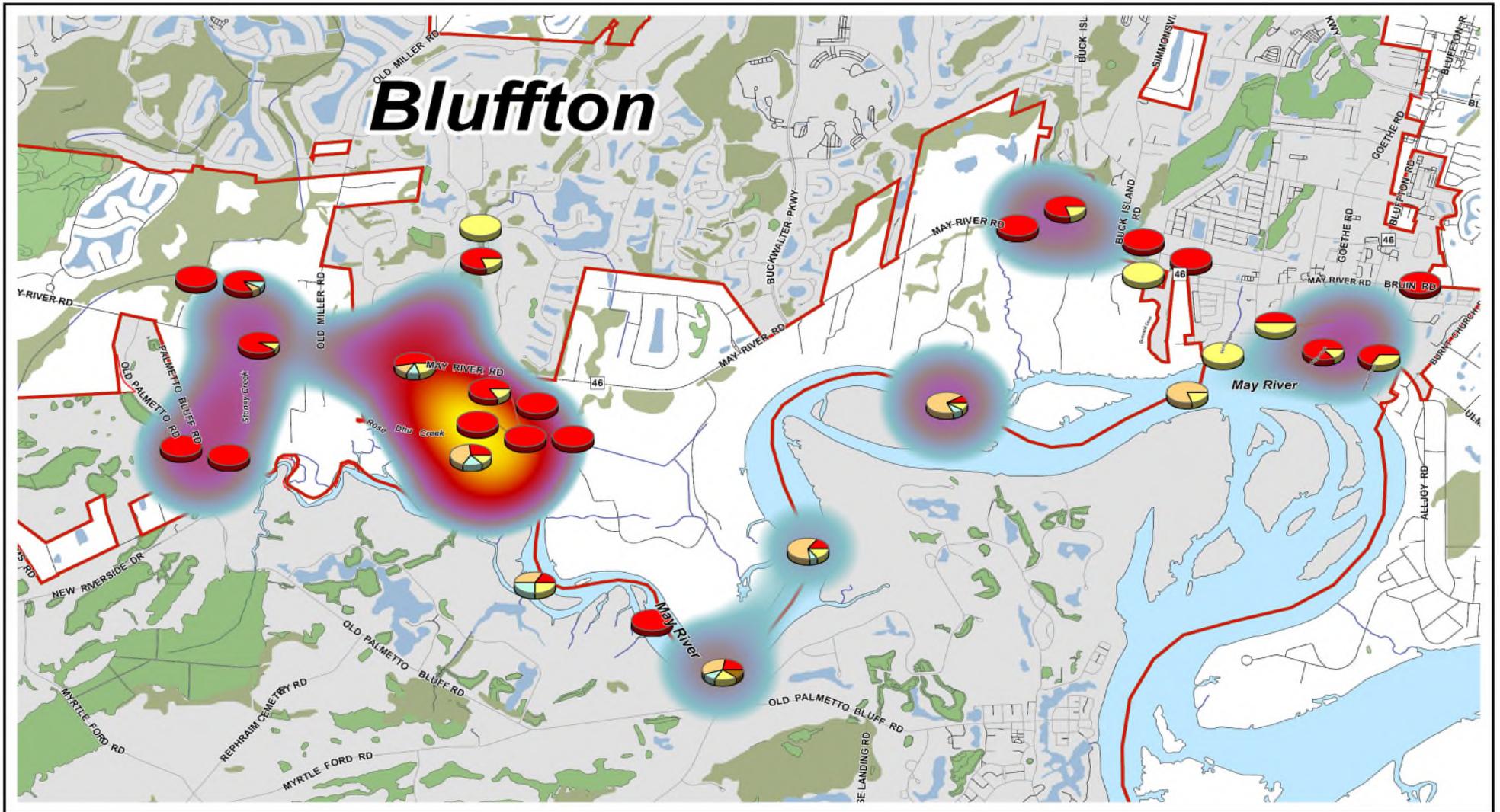
MS4 Minimum Control Measure #3 – IDDE: *E. coli* Concentrations Trend Map



	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2023 YTD Totals	72	22	0
FY 2022 Totals	447	78	119
FY 2021 Totals	380	115	179

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

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



MICROBIAL SOURCE TRACKING (MST) LOCATIONS

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

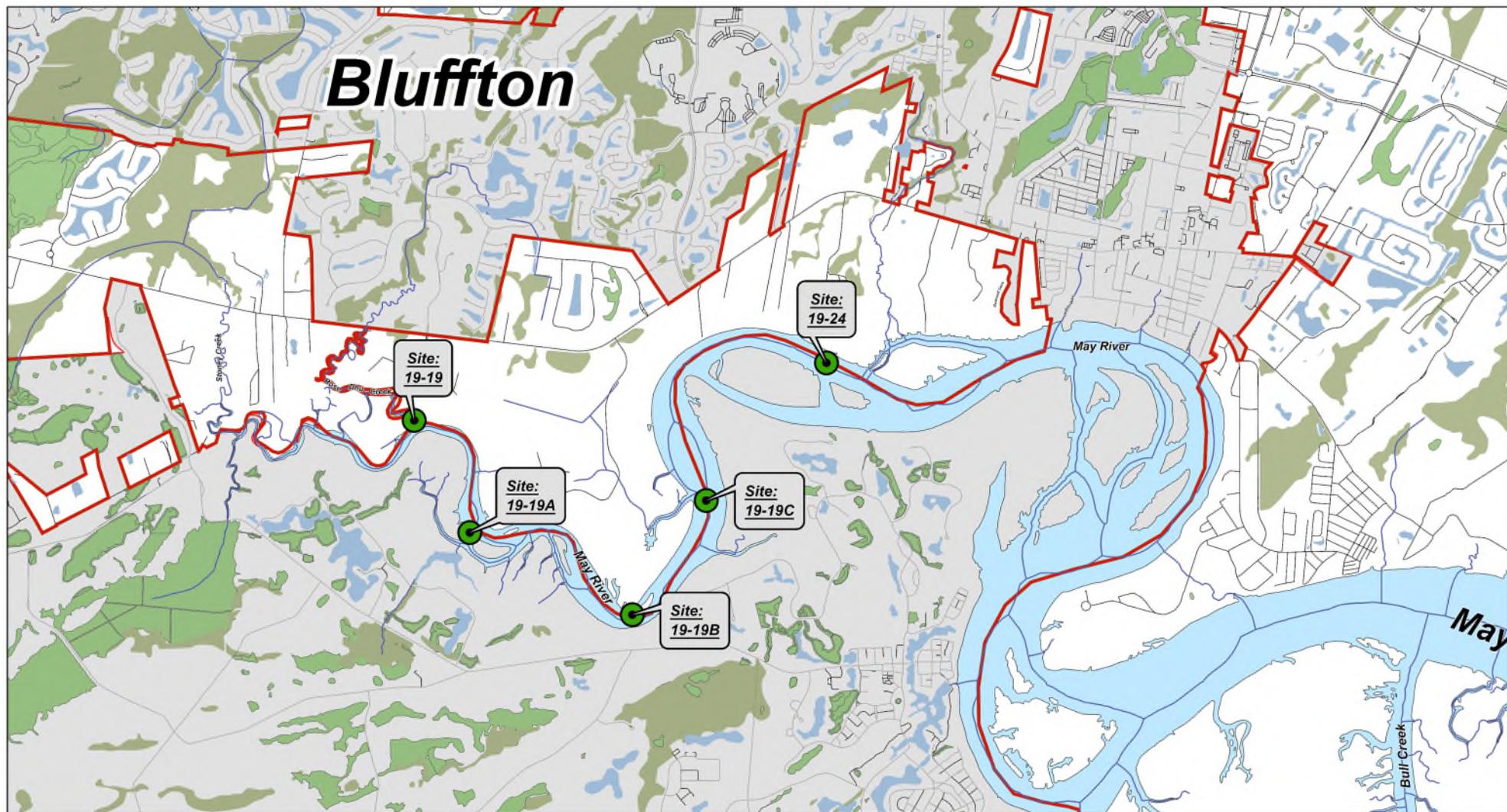
Town of Bluffton
Beaufort County, SC



Updated Date: 8/17/2022

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

Bluffton



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

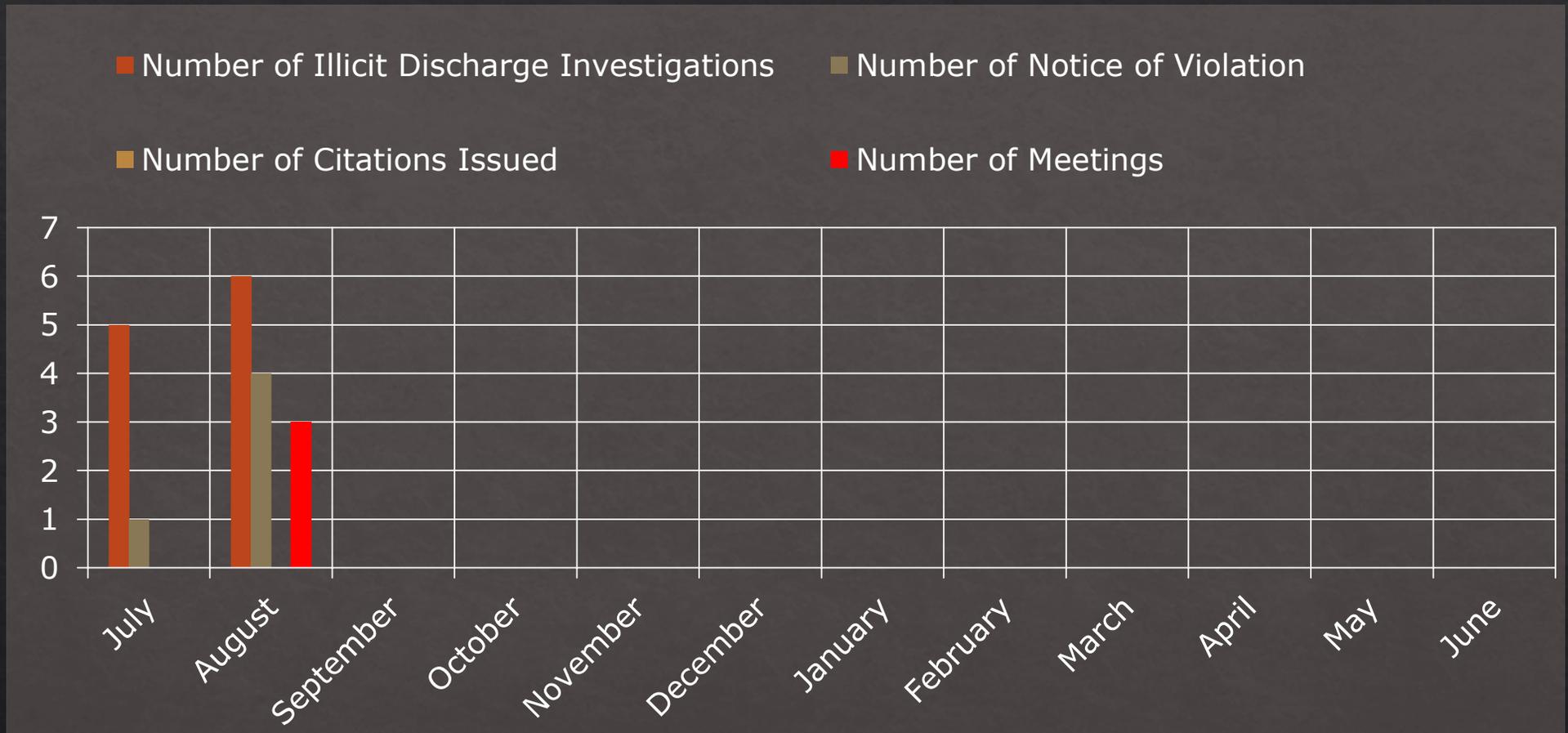
MICROBIAL SOURCE TRACKING LOCATIONS

Sampling Results August 2022

Town of Bluffton
Beaufort County, SC



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



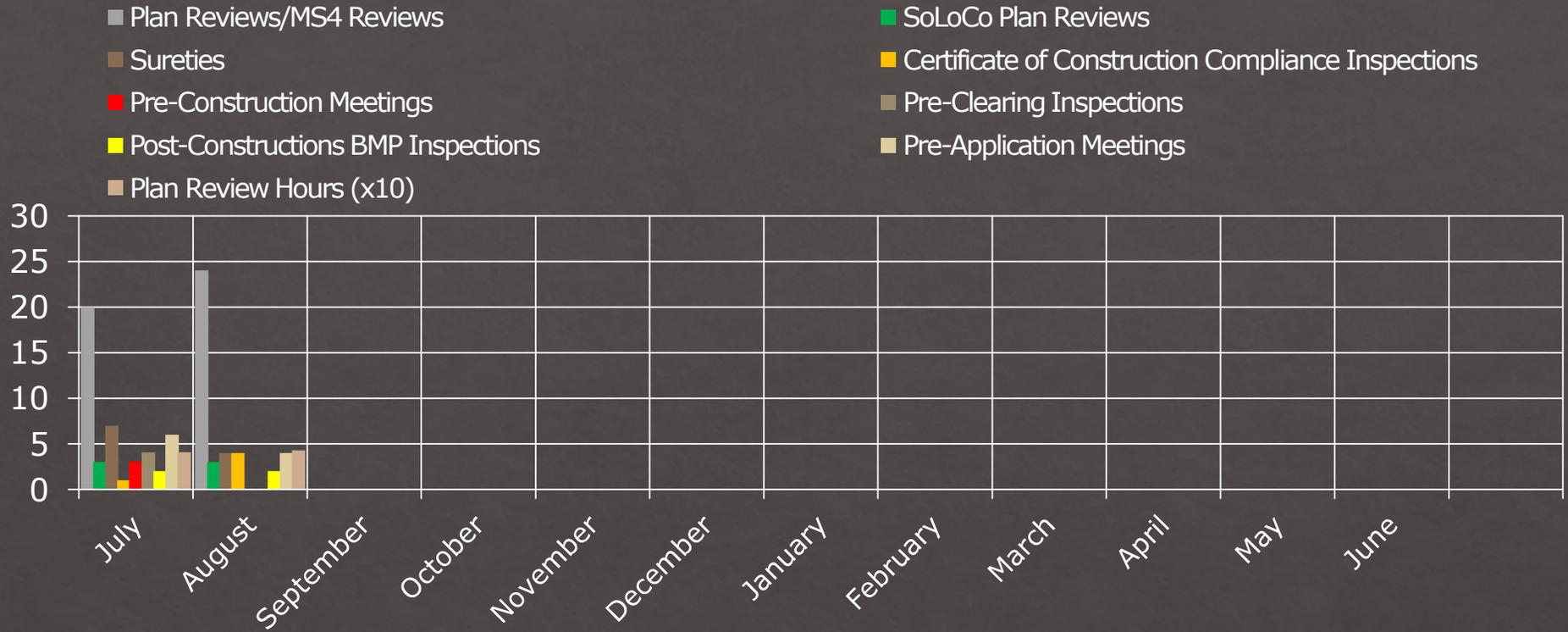
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of Citations Issued	Number of Meetings
FY 2023 YTD Totals	11	5	0	3
FY 2022 Totals	30	5	3	17
FY 2021 Totals	36	11	1	29

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



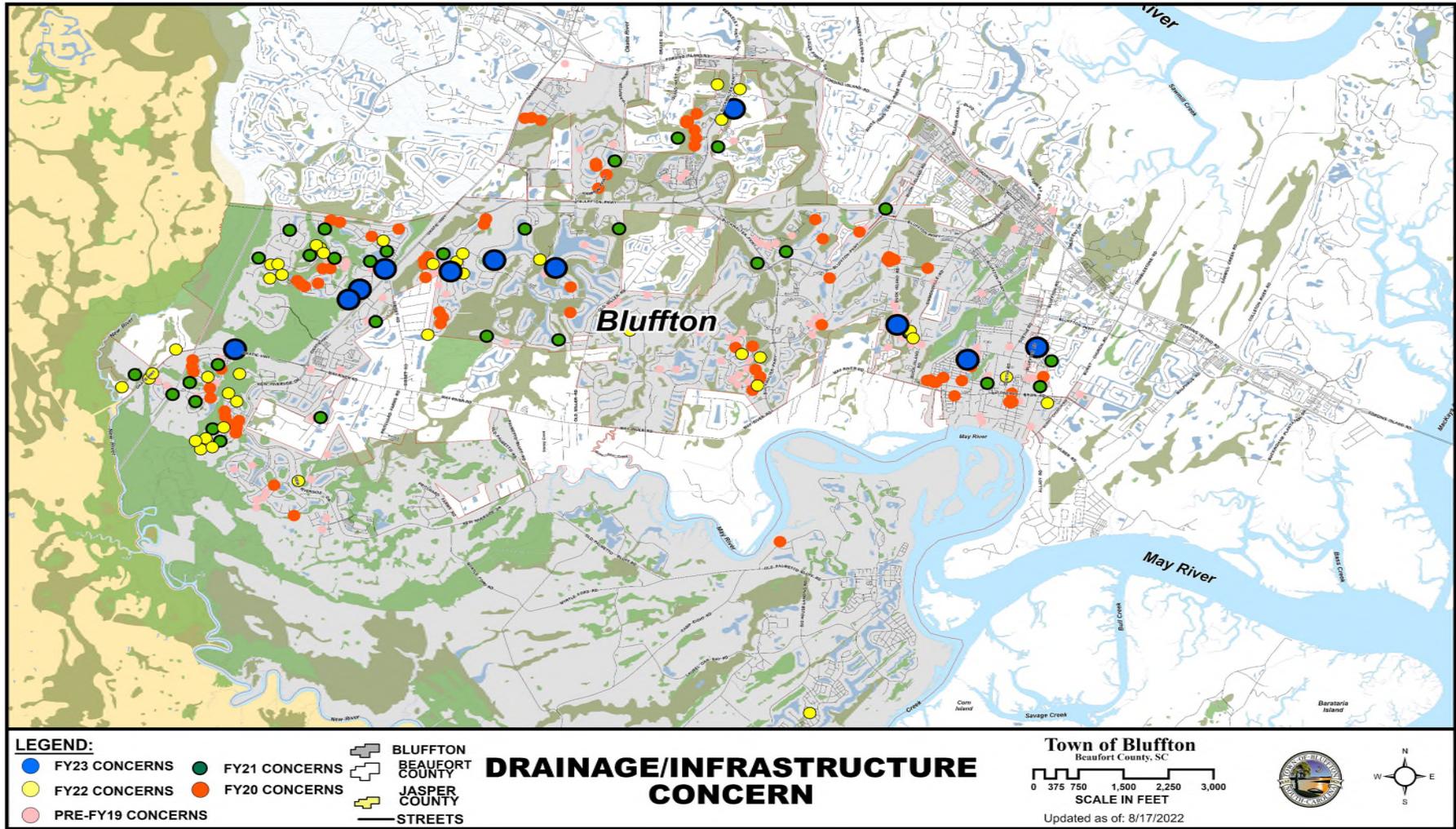
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOV's Issued	Number of SWO Issued	Number of Citations Issued	Number of E&SC Meetings
FY 23 YTD Totals	473	362	92	19	0	126
FY 2022 Totals	3127	2701	392	49	0	673
FY 2021 Totals	1,805	1,527	267	32	4	413

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



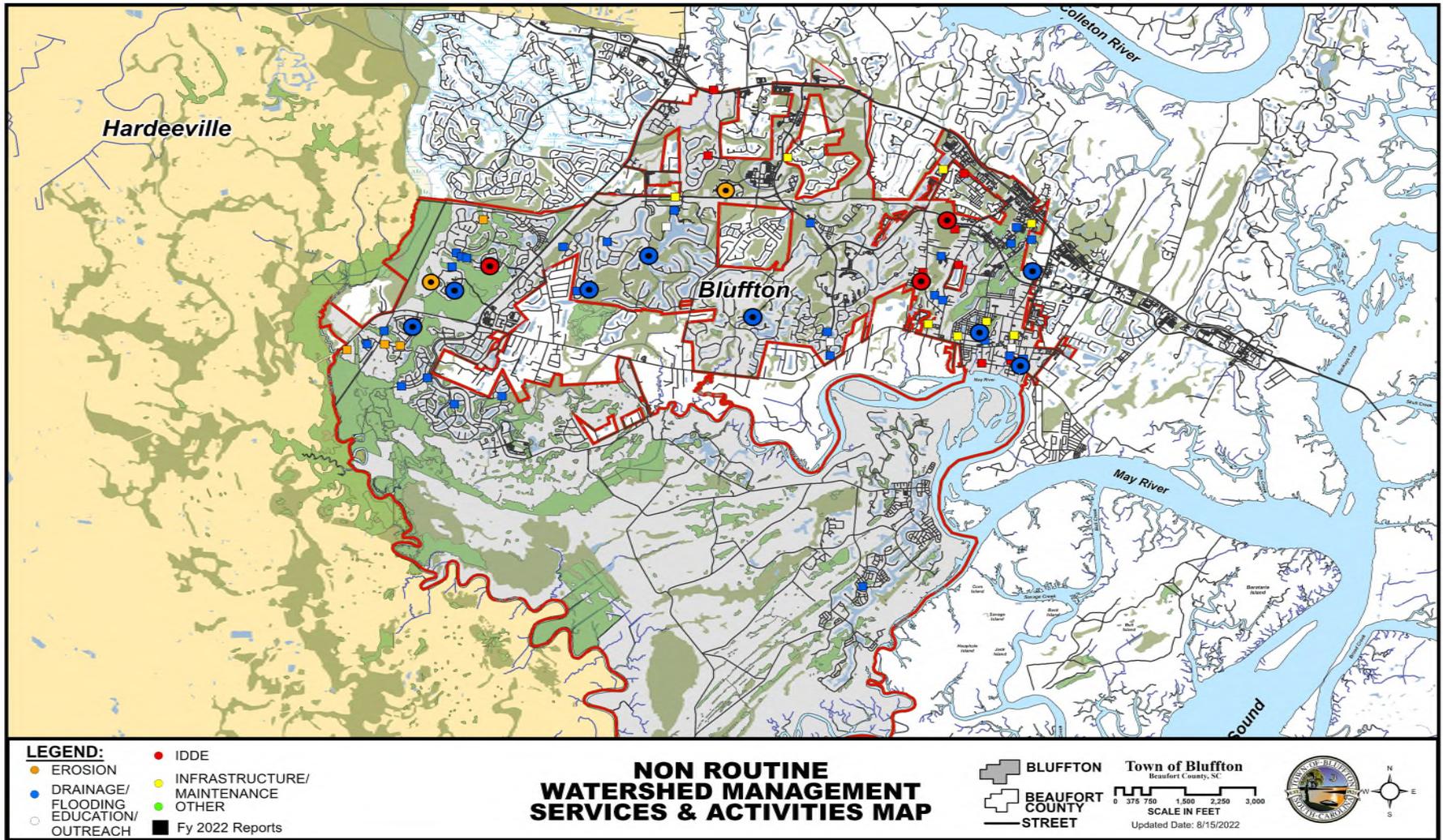
	Plan Reviews MS4 Reviews	SoLoCo Plan Reviews	Sureties	CCC Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2023 YTD	44	6	11	5	3	4	4	10	84 Hrs.
FY 2022 Totals	231	13	42	26	30	23	44	26	454 Hrs.
FY 2021 Totals	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	15	3
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	7	1
FY 2022 Totals	33	21
FY 2021 Totals	46	36

CALHOUN STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	July 1 6/14/7/26	October 1 9/6/10/18	January 1 11/29/1/10	April 1 2/21/4/4	July 1 5/16/6/27	October 1 8/8/9/19	January 1 10/31/12/12	April 1 1/23/3/6	July 1 4/17/5/29	October 1 7/10/8/21	January 1 10/21/1/13	April 1 2/25/3/19	July 1 4/30/6/11	October 1 9/23/10/15	January 1 1/26/2/17	April 1 2/18/3/31	July 1 5/12/6/23	October 1 8/4/9/15	January 1 10/27/12			
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	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Bidding and Contract	◆		
	Task	■	Final Design and Construction Documents	◆	Easements and Land Acquisitions	◆		

HISTORIC DISTRICT STREETScape AND DRAINAGE IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Month																							
					July	August	Septemb	October	Novembe	Decembe	January	February	March	April	May	June	July	August	Septemb	October	Novembe	Decembe	Janu					
1	ADA Compliance Improvements	398 days	Thu 7/1/21	Mon 1/9/23	◆																							
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	143 days	Wed 3/2/22	Fri 9/16/22	◆																							
18	Bidding and Contract	41 days	Mon 9/19/22	Mon 11/14/22	◆																							
23	Construction	40 days	Tue 11/15/22	Mon 1/9/23	◆																							

Project: 00050 Date: Wed 7/20/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Bidding and Contract	◆		
	Task	■	Final Design and Construction Documents	◆	Easements and Land Acquisitions	◆		

HISTORIC DISTRICT STREETScape AND DRAINAGE IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish
1	AME Church Rain Garden	491 days	Mon 9/28/20	Mon 8/15/22
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	91 days	Mon 4/11/22	Mon 8/15/22



Project: 00050 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
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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	◆	

**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	
					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
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	363 days	Wed 4/21/21	Fri 9/9/22																												

Project: 00055
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			

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			

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			
1	PHASE 3	610 days	Mon 11/2/20	Fri 3/3/23	◆																																
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	40 days	Thu 6/30/22	Wed 8/24/22	◆																																
14	Easements and Land Acquisition	105 days	Tue 9/21/21	Mon 2/14/22	◆																																
17	Bidding and Contracts	46 days	Thu 8/25/22	Thu 10/27/22	◆																																
22	Construction	91 days	Fri 10/28/22	Fri 3/3/23	◆																																

Project: 00072 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 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 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 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		◆																																

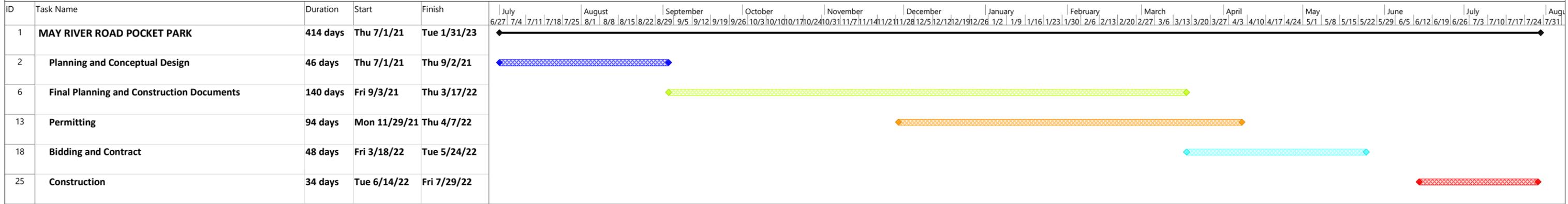
Project: 00075	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
Date: Thu 7/7/22	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

BUCKWALTER MULTI-COUNTY COMMERCE PARK
LEC EXPANSION - PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	LEC Expansion	699 days	Mon 3/14/22	Thu 11/14/24	◆
2	Construction - Reflection Plaza	123 days	Mon 3/14/22	Wed 8/31/22	◆
10	Construction - Facility Improvements	639 days	Mon 6/6/22	Thu 11/14/24	◆

Project: 00077 Date: Wed 7/20/22	Milestone Critical Task	◆ ★	Task Project Duration	 Planning and Conceptual Design  Final Design and Construction Documents	 Permitting  Easements and Land Acquisition	 Bidding and Contracts  Construction	 
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MAY RIVER ROAD POCKET PARK
PROPOSED SCHEDULE



Project: 00080
Date: Wed 7/20/22

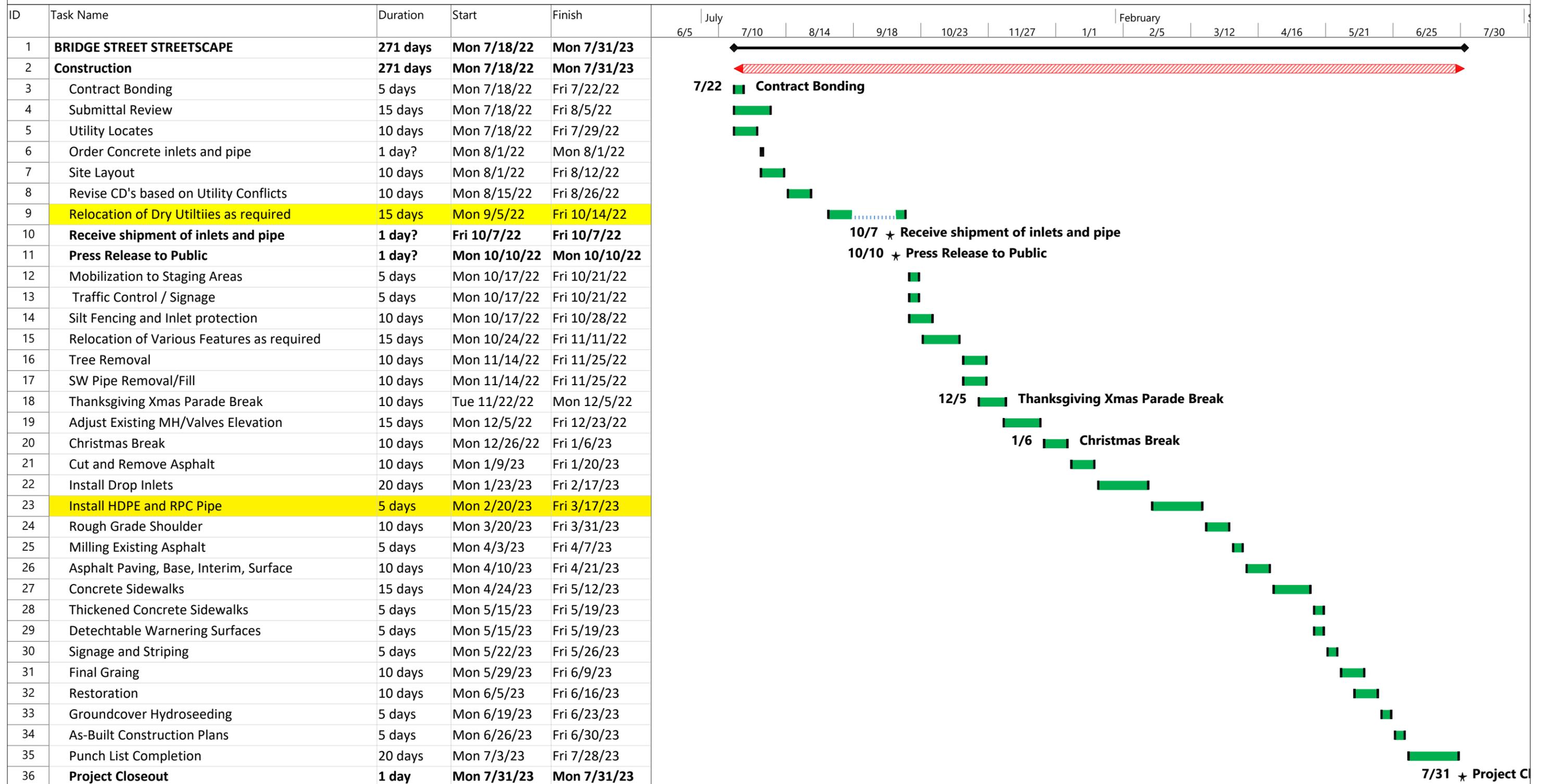
Milestone	◆	Task	█	Planning and Conceptual Design	▤	Permitting	▨	Easements and Land Acquisitions	▩	Construction
Critical Task	★	Project Duration	◀▶	Final Design and Construction Documents	▥	Bidding and Contract	▦			

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					

Project: 00081 Date: Wed 7/20/22	Milestone	◆	Project Duration		Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition			
	Task		Final Design and Construction Documents		Bidding and Contracts			

BRIDGE STREET STREETScape
PROPOSED SCHEDULE



Project: 00082	Milestone		Project Duration		Permitting		Construction
Date: Wed 8/10/22	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	◆		

BOUNDARY STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Septem B M E	October B M E	Novemb B M E	Decemb B M E	January B M E	Februar B M E	March B M E	April B M E	May B M E	June B M E	July B M E	August B M E	Septem B M E	October B M E	Novemb B M E	Decemb B M E	January B M E	Februar B M E	March B M E	April B M E	May B M E	June B M E	July B M E	August B M E	Septem B M E	October B M E	Novemb B M E	Decem B M E				
1	BOUNDARY STREET STREETScape	589 days	Mon 9/7/20	Thu 12/8/22	◆																															
2	Planning and Conceptual Design	379 days	Mon 9/7/20	Thu 2/17/22	◆																															
14	Final Planning and Construction Documents	472 days	Wed 2/17/21	Thu 12/8/22	◆																															
27	Permitting Phase	294 days	Mon 8/9/21	Thu 9/22/22	◆																															
32	Easements and Land Acquisition	116 days	Fri 6/24/22	Fri 12/2/22	◆																															

Project: 00094 Date: Thu 7/7/22	Milestone	◆	Task	█	Planning and Conceptual Design	◆	Permitting	◆	Easements and Land Acquisitions
	Critical Task	★	Project Duration	◆	Final Design and Construction Documents	◆	Bidding and Contract	◆	Construction

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	◆	

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

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	◆																												

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			



MEMORANDUM

Date: September 6, 2022

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

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

Major Projects:

- **The Avenue – St. Helena Island (8):** This project improved 5,171 linear feet of drainage system. The scope of work included cleaning out 2,649 linear feet of roadside ditch and 2,522 linear feet of valley drains. The total cost was **\$16,585.56**.

Minor or Routine Projects:

- **St Paul's Church Road – Port Royal Island (6, 9):** This project improved 6,439 linear feet of drainage system. The scope of work included cleaning out 6,439 linear feet of roadside ditch and jetting (1) crossline pipe and (27) driveway pipes. Installed rip rap and hydroseeded for erosion control. The total cost was **\$14,646.87**.
- **Port Royal Bush Hog – Port Royal Island (6, 9):** This project improved 95,854 linear feet of drainage system. The scope of work included bush hogging 82,821 linear feet of channel and 13,033 linear feet of roadside ditch. The total cost was **\$71,371.55**.
- **Hunting Island State Park Bush Hog – St Helena Island (8):** This project improved 34,216 linear feet of drainage system. The scope of work included bush hogging 34,216 linear feet of channel. The total cost was **\$16,944.19**.
- **City of Beaufort Vacuum Truck (Reimbursement) – City of Beaufort (1)** The scope of work included cleaning out (16) catch basins. The total cost was **\$1,294.43**.
- **Port Royal Island Vacuum Truck – Port Royal Island (6, 9):** This project improved 838 linear feet of drainage system. The scope of work included cleaning out (13) catch basins, jetting (8) crossline pipes, (2) driveway pipes, 92 linear feet of channel pipe and 746 linear feet of roadside pipe. The total cost was **\$7,637.25**.
- **Fairgrounds Channel – Port Royal Island (6, 9):** This project improved 772 linear feet of drainage system. The scope of work included cleaning out 772 linear feet of channel. The total cost was **\$3,015.35**.

- **Faith Memorial Channel – St Helena Island (8):** This project improved 1,275 linear feet of drainage system. The scope of work included cleaning out 1,275 linear feet of channel. The total cost was **\$2,342.93**.
- **Honeybee Island Road – Sheldon (5):** This project improved 489 linear feet of drainage system. The scope of work included cleaning out 327 linear feet of channel and 162 linear feet of roadside ditch. The total cost was **\$2,930.15**.
- **Hunters Grove Road Channel – St Helena Island (8):** This project improved 635 linear feet of drainage system. The scope of work included cleaning out 635 linear feet of channel. The total cost was **\$1,632.75**.
- **Laughing Gull Drive – Lady’s Island (7):** This project improved 310 linear feet of drainage system. The scope of work included cleaning out 310 linear feet of roadside ditch. The total cost was **\$2,107.27**.
- **Pond Maintenance – City of Beaufort (1):** The scope of work included removing debris from the perimeter of the pond, resealing a pipe joint and installing rip rap for erosion control. The total cost was **\$6,392.68**.
- **Port Royal Island Washout/Sinkhole Repairs – Port Royal Island (6, 9):** The scope of work included repairing washouts and a sinkhole. Installed rip rap and hydroseeded for erosion control. The total cost was **\$12,423.29**.
- **Royal Pines Subdivision – Lady’s Island (7):** This project improved 1,280 linear feet of drainage system. The scope of work included cleaning out 1,280 linear feet of channel. The total cost was **\$4,579.49**.
- **St Helena Island Washout Repairs – St Helena Island (8):** The scope of work included repairing washouts. The total cost was **\$6,570.81**.



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: The Avenue

Activity: Routine/Preventive Maintenance

Duration: 10/11/2021 - 11/05/2021

Narrative Description of Project:

Project improved 5,171 L.F. of drainage system. Cleaned out 2,649 L.F. of roadside ditch and 2,522 L.F. of valley drains.

2022-514 / The Avenue

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
COVD / Cleaned Out Valley Drains	48.00	\$1,424.94	\$313.42	\$162.80	\$0.00	\$920.64	\$2,821.80
HAUL / Hauling	94.00	\$2,900.96	\$1,639.16	\$2,013.52	\$0.00	\$1,877.28	\$8,430.92
RSDCL / Roadside Ditch - Cleanout	84.00	\$2,762.94	\$482.72	\$242.83	\$0.00	\$1,791.40	\$5,279.89
Grand Total	227.00	\$7,121.59	\$2,435.30	\$2,419.15	\$0.00	\$4,609.53	\$16,585.56

Before

During

After

(No Picture Available)





Project: The Avenue
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2022-514

Township/SW Dist:
St. Helena Island/8

Completed:
November 2021

Legend

Drainage Type

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

0 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility
Date Print: 01/27/22

File: C:\project summaries map\The Avenue Map#1_2022-514



Project: The Avenue
Map#2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-514

Township/SW Dist:
St Helena Island/8

Completed:
November 2021

Legend

Drainage Type

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

0 87.5 175 350 525 700
Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/17/22

File: C:\project summaries map\The Avenue_2022-514



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: St Paul's Church Road

Activity: Routine/Preventive Maintenance

Duration: 09/10/2021 - 09/23/2021

Narrative Description of Project:

Project improved 6,439 L.F. of drainage system. Cleaned out 6,439 L.F. of roadside ditch. Jetted (1) crossline pipe and (27) driveway pipes. Installed rip rap and hydroseeded for erosion control.

2022-507 / St Pauls Church Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
DPJT / Driveway Pipe - Jetted	32.00	\$1,045.09	\$613.12	\$117.56	\$0.00	\$658.56	\$2,434.33
HAUL / Hauling	76.00	\$2,340.78	\$1,296.08	\$490.35	\$0.00	\$1,515.68	\$5,642.89
HYDR / Hydroseeding	8.00	\$260.30	\$58.22	\$413.28	\$0.00	\$168.76	\$900.56
RSDCL / Roadside Ditch - Cleanout	96.00	\$2,950.27	\$624.87	\$187.56	\$0.00	\$1,853.44	\$5,616.14
Grand Total	213.00	\$6,629.18	\$2,592.29	\$1,208.75	\$0.00	\$4,216.65	\$14,646.87

Before



During



After



Project: St Pauls Church Rd/ Josephine Dr.

Map #1

Activity: Routine/
Preventive Maintenance

Project #:
2022-507

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

Completed:
September 2021



Legend

Drainage Type

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

0 20 40 80 120 160
Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 05/26/22

File: C:\project summaries map\St Paul's Church RD/Josephine DRMap#1_2022-507

Project: St Paul's Church Rd/
Josephine Dr.
Map#2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-507

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

Completed:
September 2021



Legend

Drainage Type

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

0 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 05/26/22

File: C:\project summaries map\St Paul's Church RD/Josephine DRMap#2_2022-507



Project: St Paul's Church Rd/
Josephine Dr.
Map#3

Activity: Routine/
Preventive
Maintenance

Project #:
2022-507

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

Completed:
September 2021

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: 00/15/22

File: C:\project summaries map\St Paul's Church RD\Josephine DRMap#3_2022-507



Project: St Paul's Church Rd/
Josephine Dr.
Map#4

Activity: Routine/
Preventive
Maintenance

Project #:
2022-507

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

Completed:
September 2021

Legend

Drainage Type

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

0 25 50 100 150 200
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 00/15/22

File: C:\project summaries map\St Paul's Church RD/Josephine DRMap#4_2022-507



Project: St Paul's Church Rd/
Josephine Dr.
Map#5

Activity: Routine/
Preventive
Maintenance

Project #:
2022-507

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

Completed:
September 2021

Legend

Drainage Type

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

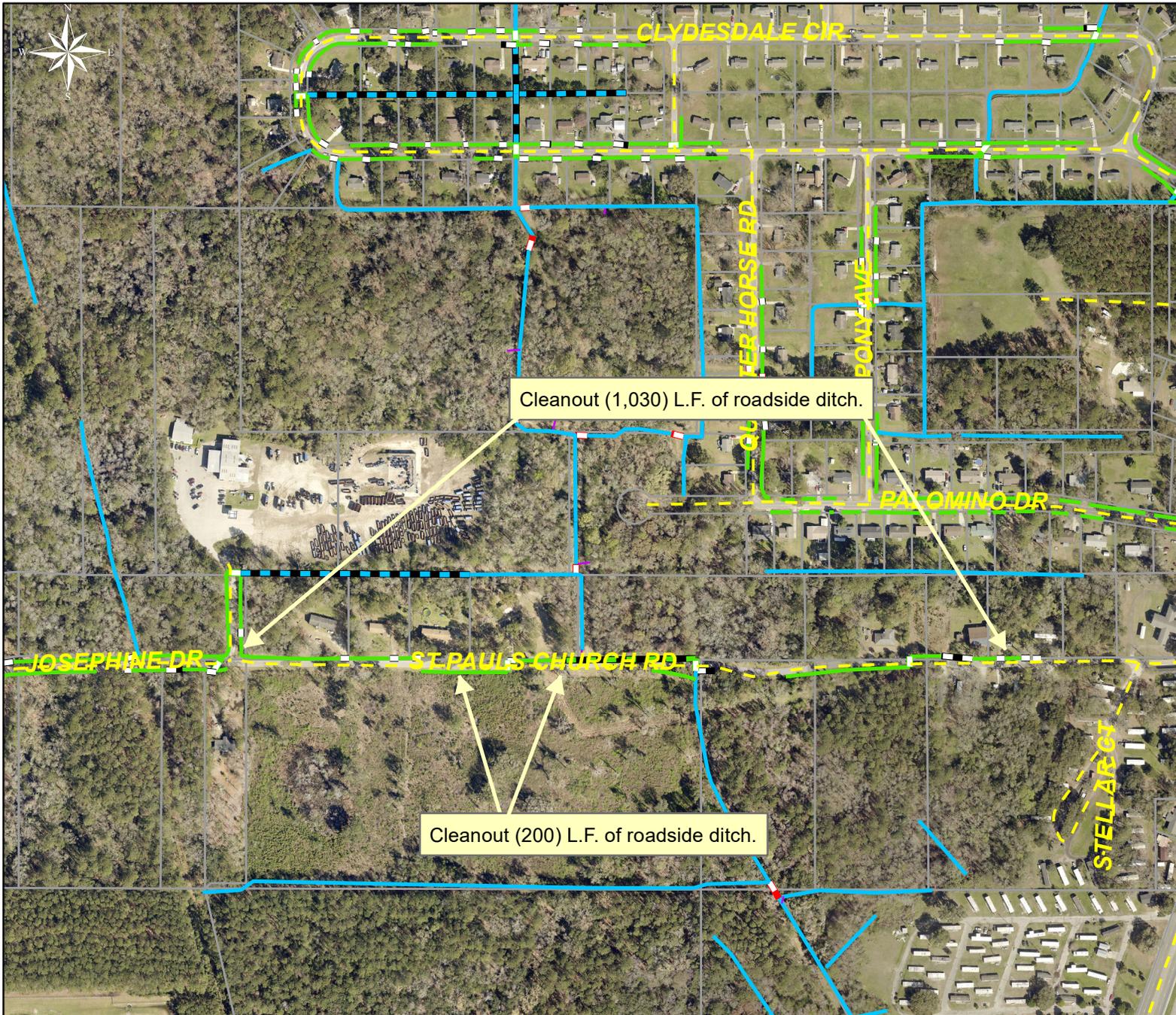
0 70 140 280 420 560
Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/15/22

File: C:\project summaries map\St Paul's Church RD/Josephine DRMap#5_2022-507



Project: St Paul's Church Rd/
Josephine Dr.
Map#6

Activity: Routine/
Preventive
Maintenance

Project #:
2022-507

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

Completed:
September 2021

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

0 70140 280 420 560
Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/15/22

File: C:\project summaries map\St Paul's Church RD/Josephine DRMap#6_2022-507



Project: St Paul's Church Rd/
Josephine Dr.
Map#7

Activity: Routine/
Preventive
Maintenance

Project #:
2022-507

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

Completed:
September 2021

Legend

Drainage Type

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



1 inch = 420 feet

Prepared By: BC Stormwater Management Utility
Date Print: 08/15/22
File: C:\project summaries map\St Paul's Church RD/Josephine DRMap#7_2022-507



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Bush Hog

Activity: Routine/Preventive Maintenance

Duration: 07/07/2021 - 02/01/2022

Narrative Description of Project:

First Rotation: 07/07/2021 - 02/01/2022 Project improved 95,854 L.F. of drainage system. Bush hogged 82,821 L.F. of channel and 13,033 L.F. of roadside ditch. This project consisted of the following areas: Powell Drive (4,100 L.F.), Shanklin Road (12,411 L.F.), Laurel Bay (790 L.F.), Schein Loop (1,333 L.F.), Schwartz Road (1,998 L.F.), Hodge Drive (120 L.F.), Zehm (797 L.F.), Providence Road (3,569 L.F.), East Coast Marina (683 L.F.), Possum Hill Road (1,556 L.F.), Mulrain Road (548 L.F.), Smalls Hill Road (1,155 L.F.), Salem Drive East (750 L.F.), Gamecock Way (2,005 L.F.), Pine Grove Road (1,494 L.F.), Harding Street (262 L.F.), Ihly Farm Road (5,159 L.F.), County Shed Road (1,203 L.F.), Moultrie Circle (300 L.F.), Chisholm Hill Road (6,175 L.F.), Oakmont Drive (200 L.F.), Irongate Drive (1,875 L.F.), Capehart Circle (935 L.F.), Roseida Road (2,364 L.F.), Gillison Loop (397 L.F.), and Young Circle (1,750 L.F.), Chesterfield Rd (240 L.F.), Broad River Blvd (1,064 L.F.), Fairgrounds (875 L.F.), Walker Circle (1550 L.F.), Leo Green Road (1,315 L.F.), Cherokee Farms Road (4,088 L.F.), Burton Wells Road (3,778 L.F.), Donaldson Camp Road (189 L.F.), Pilot Drive (1,048 L.F.), Arnold Lane (796 L.F.), Taylor Drive (273 L.F.), Stanley Farms Road (1,722 L.F.), Murray Road (365 L.F.), Mroz Road (4,234 L.F.), Maxine Lane (627 L.F.), Country Manor Road (4,100 L.F.), Pearl Lane (800 L.F.), Carolina Avenue (668 L.F.), Bessies Lane (1,168 L.F.), and Smith Road (400 L.F.)

2022-301 / Port Royal Island Bush Hog

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	6.00	\$196.44	\$0.00	\$0.00	\$0.00	\$121.26	\$317.70
BUSHRD / Bushhog Roadsides	16.00	\$399.56	\$222.48	\$38.67	\$0.00	\$270.96	\$931.67
CBH / Channel- bushhogged	1,144.00	\$29,307.20	\$15,554.52	\$3,049.50	\$0.00	\$18,448.20	\$66,359.42
PA / Project Assit	8.00	\$234.08	\$34.80	\$15.48	\$0.00	\$144.48	\$428.84
RDBH / Roadside ditch - bushhogged	44.00	\$1,170.48	\$919.44	\$124.14	\$0.00	\$660.96	\$2,875.02
TREMOV / Tree Removal-non-road	8.00	\$217.66	\$78.22	\$21.90	\$0.00	\$141.12	\$458.90
Grand Total	1,226.00	\$31,525.42	\$16,809.46	\$3,249.69	\$0.00	\$19,786.98	\$71,371.55

Before



During



After





Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Hunting Island State Park Bush Hog

Activity: Routine/Preventive Maintenance

Duration: 08/10/20-08/31/20

Narrative Description of Project:

Project improved 34,216 L.F. of drainage system. Bush hogged 34,216 L.F of channel on Hunting Island.

2022-531 / Hunting Island State Park Bush Hog	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
CBH / Channel- bushhogged	272.00	\$7,669.43	\$2,236.93	\$878.93	\$0.00	\$5,291.36	\$16,076.65
HAUL / Hauling	8.00	\$252.48	\$277.12	\$129.15	\$0.00	\$155.84	\$814.59
Grand Total	281.00	\$7,954.65	\$2,514.05	\$1,008.08	\$0.00	\$5,467.41	\$16,944.19

(No Pictures Available)



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: CoB Vacuum Truck - Baynard Stree, Hancock Road and King Street

Activity: Routine/Preventive Maintenance

Duration: 07/28/2022

Narrative Description of Project:

Cleaned out (16) catch basins.

2022-553 / CoB Vacuum Truck

	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	16.00	\$493.68	\$306.56	\$163.00	\$0.00	\$304.72	\$1,267.96
Grand Total	16.50	\$510.05	\$306.56	\$163.00	\$0.00	\$314.83	\$1,294.43

Before

During

After

No Picture Available





Project: City Of Beaufort Vacuum Truck (Reimbursement)

Activity: Routine/ Preventive Maintenance

Project #: 2022-553

Township/SW Dist: City Of Beaufort/1

Completed: July 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: 09/01/22

File: C:\project summaries map\City Of Beaufort Vac Truck_2022-553



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Vacuum Truck
 Chesterfield Lake Drive, Johnny Morrall Circle, Campbell Road, Evergreen Lane,
 Roosevelt Avenue, Duke Street, Hodge Drive, Oaklawn Avenue, Harold Drive,
 Blackburn Pierce Drive and Wintergreen Drive.

Activity: Routine/Preventive Maintenance
Duration: 07/21/2021 - 12/06/2021

Narrative Description of Project:

Project Improved 838 LF of drainage system. Cleaned out (13) catch basins, jetted (8) crossline pipes, (2) driveway pipes, 92 L.F. of channel pipe and 746 L.F. of roadside pipe.

2022-306 / Port Royal Island Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
CBCO / Catch basin - clean out	42.00	\$1,371.69	\$804.72	\$152.27	\$0.00	\$864.36	\$3,193.04
CLPJT / Crossline Pipe - Jetted	26.00	\$849.14	\$498.16	\$121.91	\$0.00	\$529.20	\$1,998.41
DPJT / Driveway Pipe - Jetted	6.00	\$195.96	\$119.31	\$63.90	\$0.00	\$121.80	\$500.97
DWR / Dewatered Road	6.00	\$195.96	\$114.96	\$11.64	\$0.00	\$120.96	\$443.52
RSPJ / Roadside Pipe - Jetted	24.00	\$684.15	\$341.36	\$100.31	\$0.00	\$322.56	\$1,448.38
Grand Total	105.00	\$3,329.62	\$1,878.51	\$450.03	\$0.00	\$1,979.09	\$7,637.25

Before



During



After





Project: Port Royal
Island Vac Truck
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

Legend

Drainage Type

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

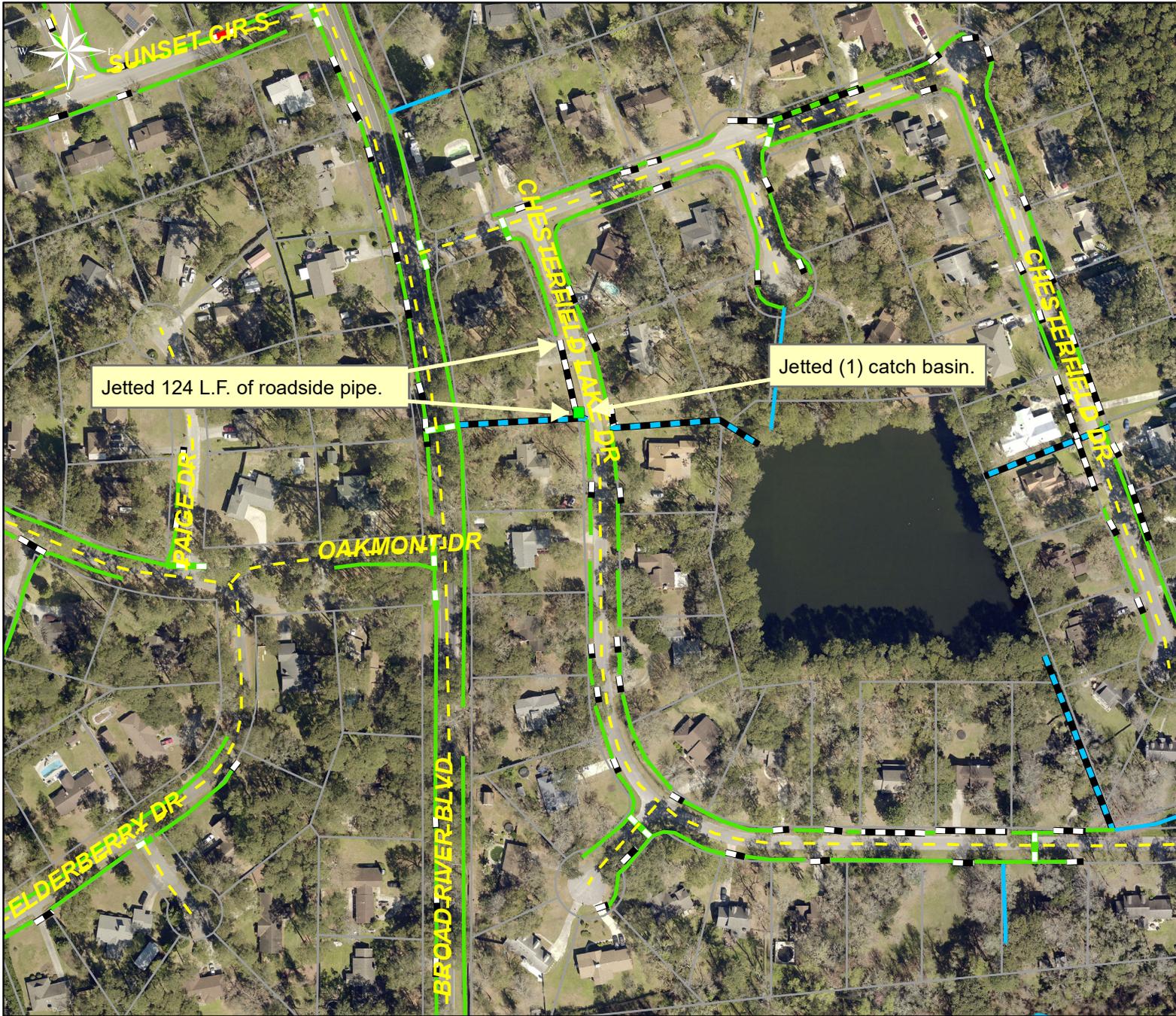
0 25 50 100 150 200
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#1_2022-306



Project: Port Royal
Island Vac Truck
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

Legend

Drainage Type

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

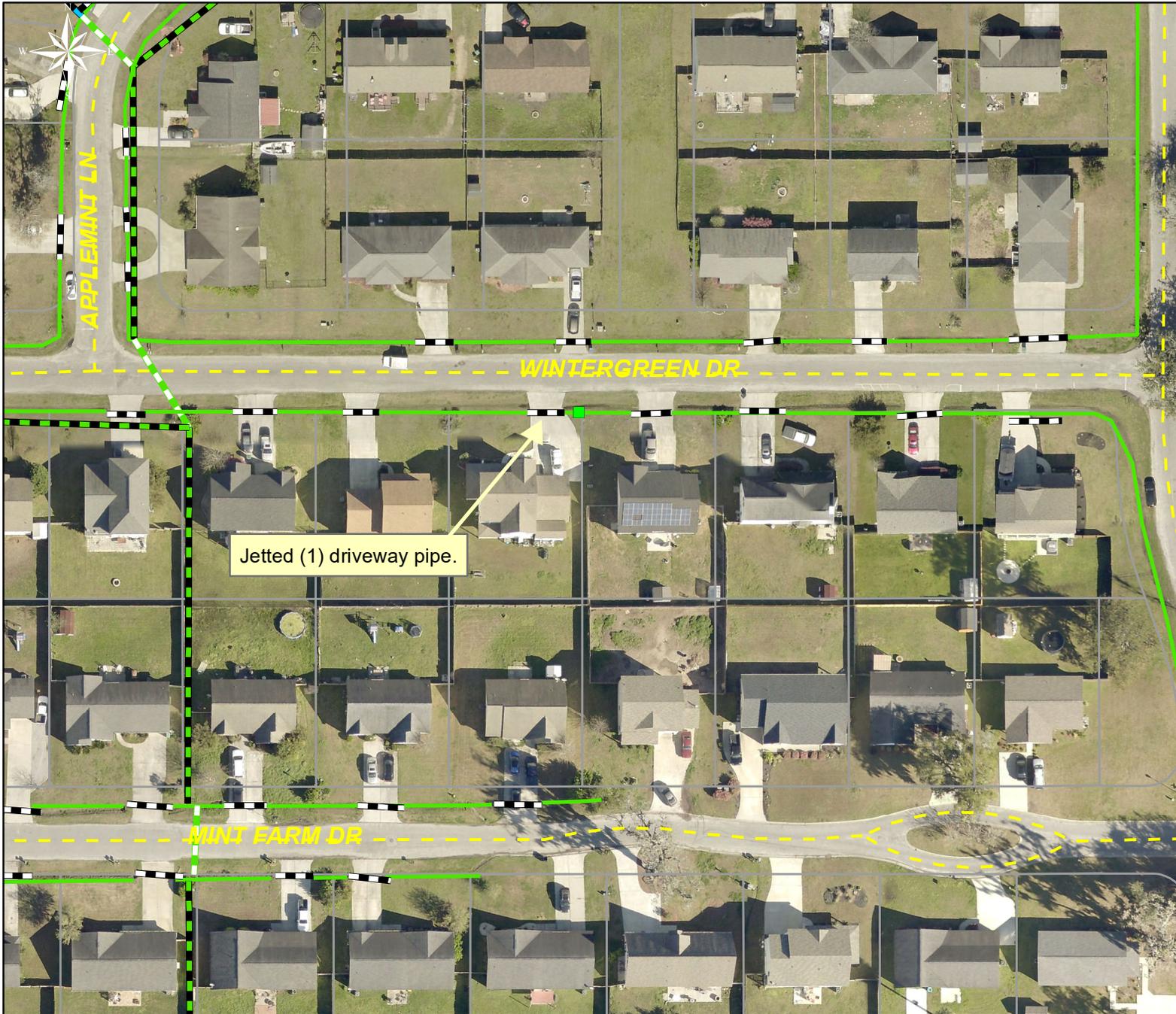
0 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#2_2022-306



Project: Port Royal
Island Vac Truck
Map #3

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

Legend

Drainage Type

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



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#3_2022-306

Project: Port Royal
Island Vac Truck
Map #4

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021



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

0 25 50 100 150 200
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#4_2022-306

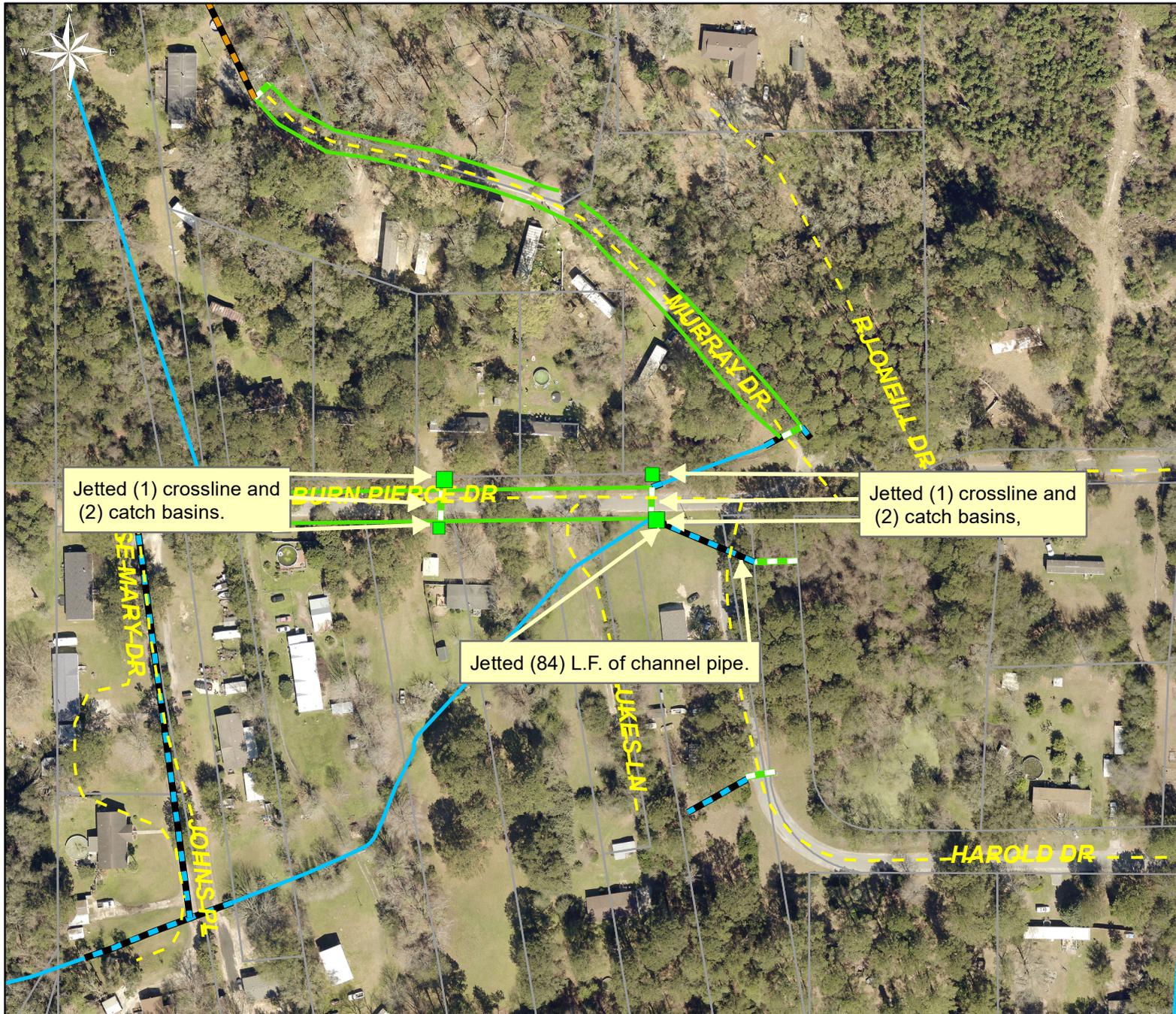
Project: Port Royal
Island Vac Truck
Map #5

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021



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



1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#5_2022-306



Project: Port Royal
Island Vac Truck
Map #6

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

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



1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#6_2022-306

Project: Port Royal
Island Vac Truck
Map #7

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021



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

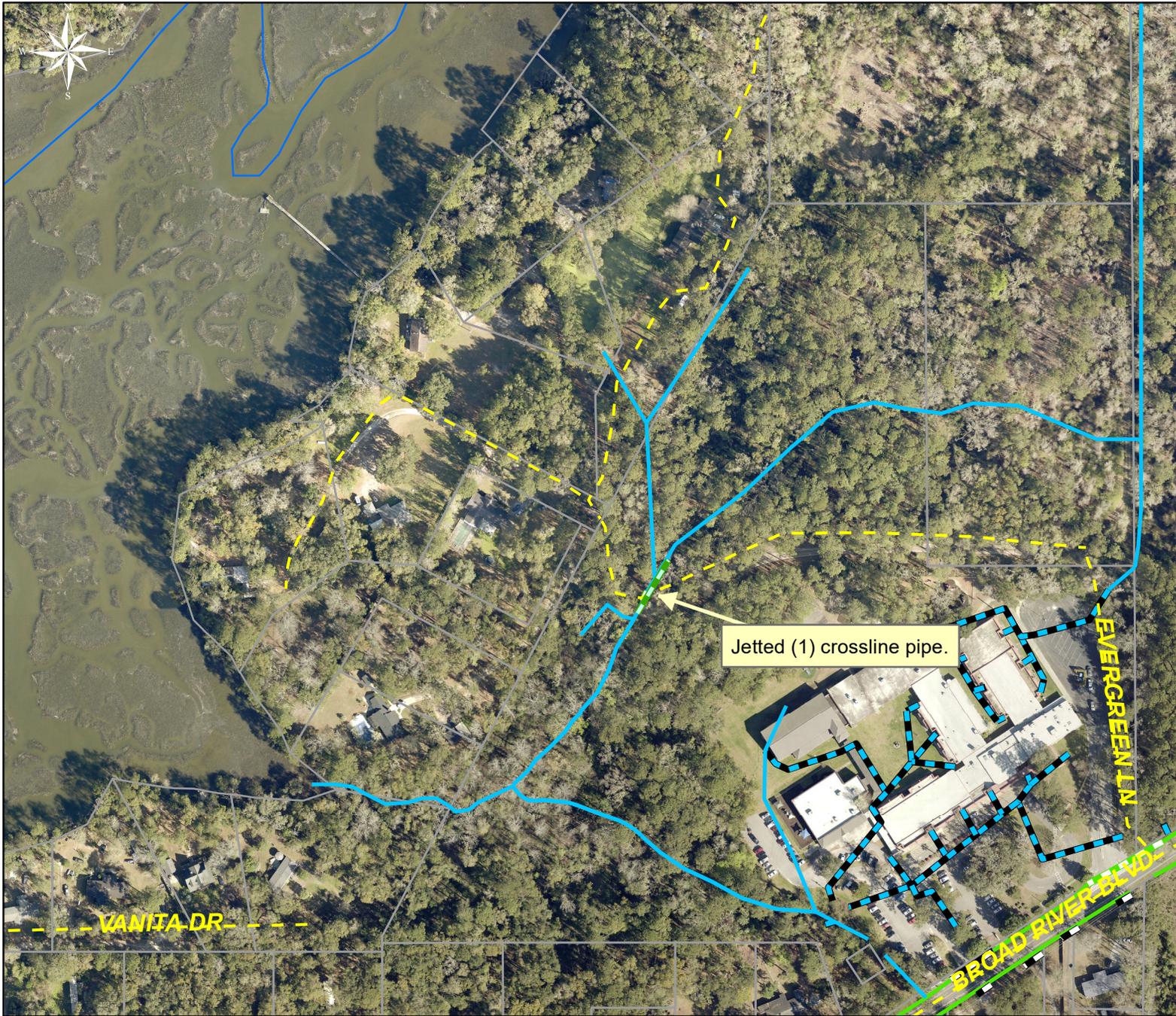
0 10 20 40 60 80
Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#7_2022-306



Project: Port Royal
Island Vac Truck
Map #8

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

Legend

Drainage Type

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

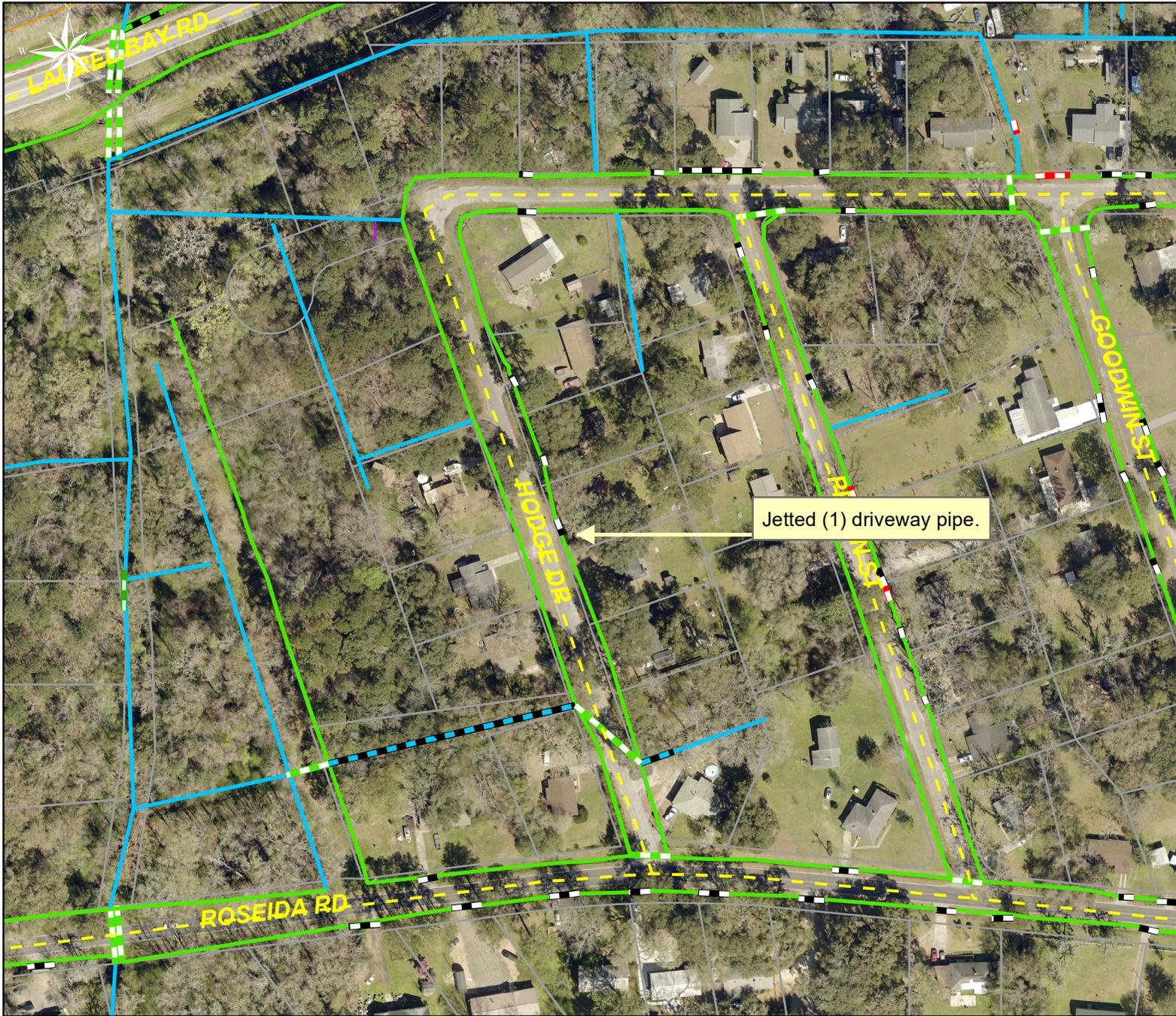
0 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#8_2022-306



Project: Port Royal
Island Vac Truck
Map #9

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

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

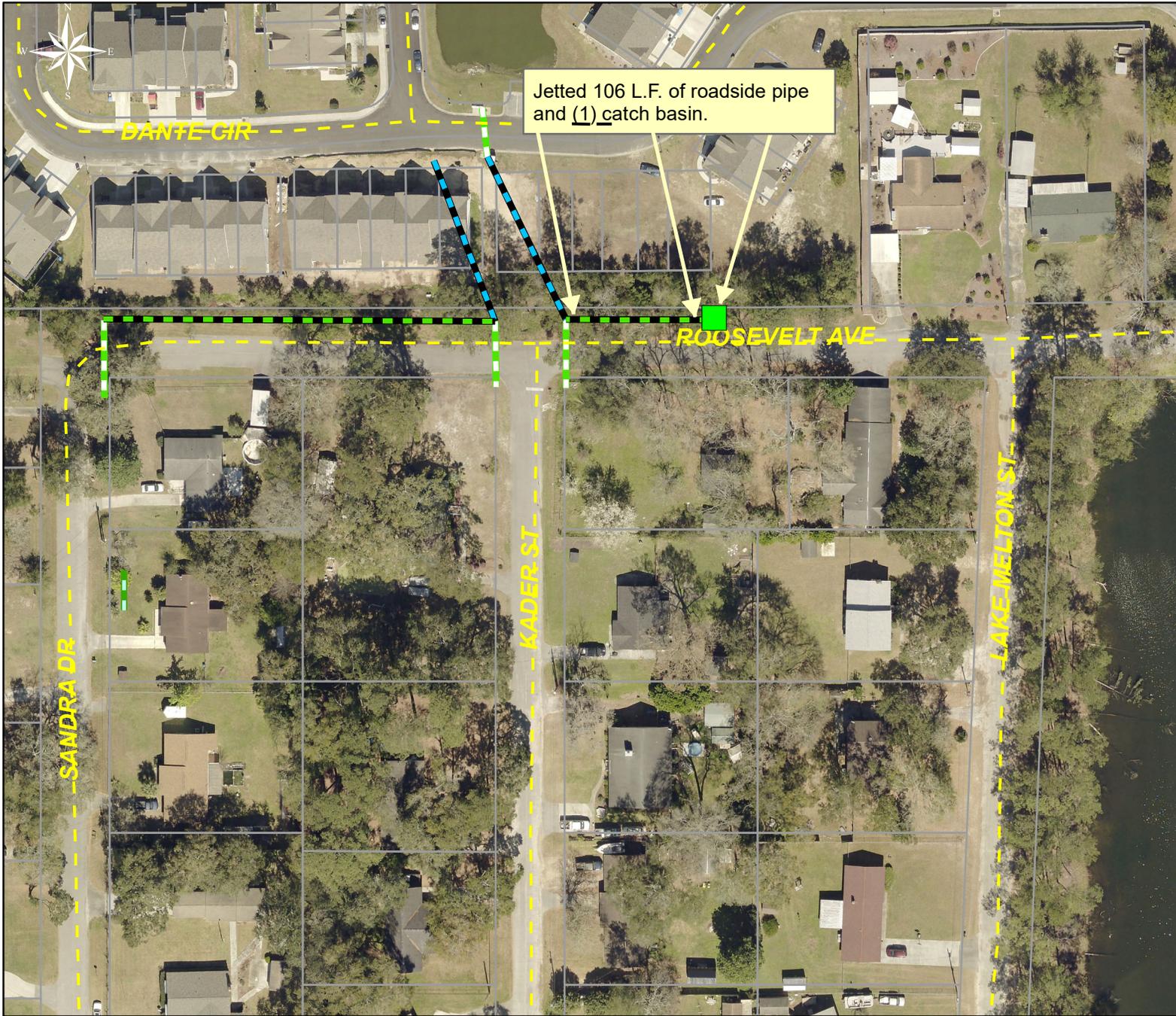


1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#9_2022-306



Project: Port Royal
Island Vac Truck
Map #10

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

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

0 1530 60 90 120
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#10_2022-306



Project: Port Royal
Island Vac Truck
Map #11

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

Legend

Drainage Type

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



1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#11_2022-306

Project: Port Royal
Island Vac Truck
Map #12

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021



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

0 55110 220 330 440
Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#12_2022-306



Project: Port Royal
Island Vac Truck
Map #13

Activity: Routine/
Preventive
Maintenance

Project #:
2022-306

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

Completed:
December 2021

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



1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/22

File: C:\project summaries map\Port Royal\Island Vac Truck Map#13_2022-306



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Fairgrounds Channel

Activity: Routine/Preventive Maintenance

Duration: 06/22/2022 - 06/24/2022

Narrative Description of Project:

Project improved 772 L.F. of drainage system. Cleaned out 772 L.F. of channel.

2022-569 / Fairgrounds Channel

	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
CCO / Channel - cleaned out	28.00	\$886.76	\$104.08	\$188.70	\$0.00	\$547.36	\$1,726.90
HAUL / Hauling	16.00	\$462.48	\$304.96	\$209.10	\$0.00	\$285.44	\$1,261.98
Grand Total	44.50	\$1,365.61	\$409.04	\$397.80	\$0.00	\$842.91	\$3,015.35

Before



During



After





Project: Fairgrounds Channel

Activity: Routine/ Preventive Maintenance

Project #: 2022-569

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

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: 08/25/22

File: C:\project summaries map\Fair Grounds Channel Cleanout_2022-569



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Faith Memorial Channel

Activity: Routine/Preventive Maintenance

Duration: 02/14/2022 - 02/15/2022

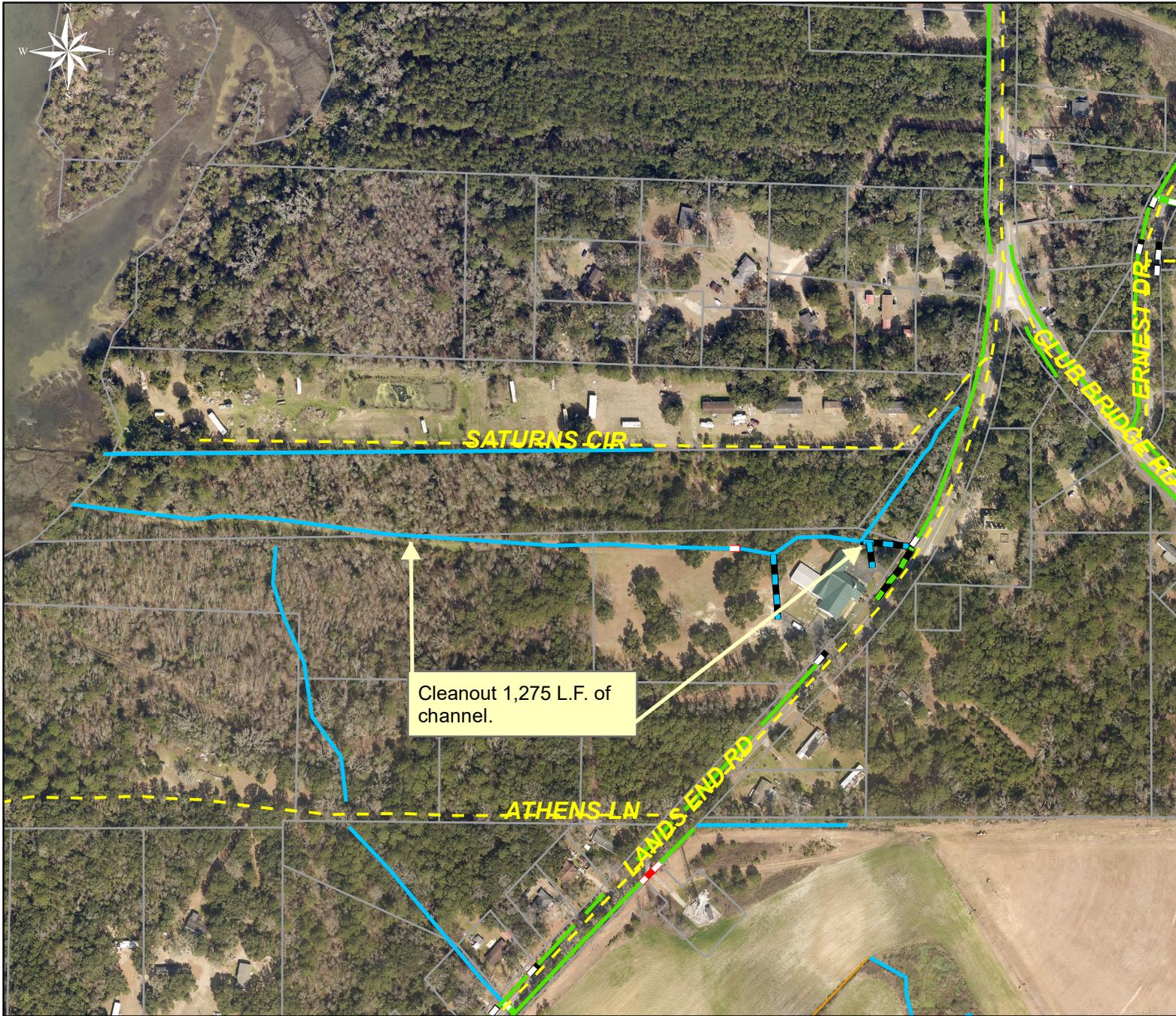
Narrative Description of Project:

Project improved 1,275 L.F. of drainage system. Cleaned out 1,275 L.F. of channel.

2022-545 / Faith Memorial Channel

	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
CCO / Channel - cleaned out	32.00	\$870.40	\$370.56	\$116.08	\$0.00	\$333.12	\$1,690.16
HAUL / Hauling	8.00	\$263.12	\$152.48	\$48.30	\$0.00	\$162.40	\$626.30
Grand Total	40.50	\$1,149.89	\$523.04	\$164.38	\$0.00	\$505.63	\$2,342.93

(No Pictures Available)



Project: Faith Memorial Channel

Activity: Routine/ Preventive Maintenance

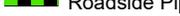
Project #: 2022-545

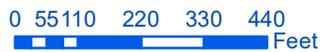
Township/SW Dist: St Helena Island/8

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 = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/25/22

File: C:\project summaries map\Faith Memorial Channel Cleanout_2022-545



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Honeybee Island Road

Activity: Routine/Preventive Maintenance

Duration: 01/21/2022 - 01/31/2022

Narrative Description of Project:

Project improved 489 L.F. of drainage system. Cleaned out 327 L.F. of channel and 162 L.F. of roadside ditch.

2022-540 / Honeybee Island Road

	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
CCO / Channel - cleaned out	16.00	\$326.96	\$156.44	\$29.65	\$0.00	\$0.00	\$513.05
HAUL / Hauling	16.00	\$485.52	\$304.96	\$91.84	\$0.00	\$306.88	\$1,189.20
RSDCL / Roadside Ditch - Cleanout	24.00	\$560.00	\$156.44	\$38.02	\$0.00	\$428.00	\$1,182.46
UTLOC / Utility locates	0.50	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
Grand Total	57.00	\$1,401.20	\$617.84	\$159.51	\$0.00	\$751.60	\$2,930.15

Before

During

After

(No Picture Available)

(No Picture Available)





Project: Honey Bee Island Road

Activity: Routine/ Preventive Maintenance

Project #: 2022-540

Township/SW Dist: Sheldon/5

Completed: January 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: 08/17/22

File: C:\project summaries map\Honey Bee Island RD_2022-540



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Hunters Grove Road Channel

Activity: Routine/Preventive Maintenance

Duration: 02/17/2022

Narrative Description of Project:

Project improved 635 L.F. of drainage system. Cleaned out 635 L.F. of channel.

2022-546 / Hunters Grove Road

	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
CCO / Channel - cleaned out	16.00	\$435.20	\$185.28	\$74.04	\$0.00	\$282.24	\$976.76
HAUL / Hauling	8.00	\$263.12	\$152.48	\$51.52	\$0.00	\$162.40	\$629.52
Grand Total	24.50	\$714.69	\$337.76	\$125.56	\$0.00	\$454.75	\$1,632.75

Before



During



After





Project: Hunters Grove Road Channel

Activity: Routine/ Preventive Maintenance

Project #: 2022-546

Township/SW Dist: St Helena Island/8

Completed: February 2021

Legend

Drainage Type

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

0 55 110 220 330 440 Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/25/22

File: C:\project summaries map\Hunters Grove Rd_2022-546



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Laughing Gull Drive

Activity: Routine/Preventive Maintenance

Duration: 01/19/2022 - 02/01/2022

Narrative Description of Project:

Project improved 310 L.F. of drainage system. Cleaned out 310 L.F. of roadside ditch.

2022-537 / Laughing Gull Drive

	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	\$263.09	\$152.48	\$32.20	\$0.00	\$162.40	\$610.17
RSDCL / Roadside Ditch - Cleanout	32.00	\$955.76	\$120.68	\$50.18	\$0.00	\$325.04	\$1,451.66
UTLOC / Utility locates	0.50	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
Grand Total	41.00	\$1,247.57	\$273.16	\$82.38	\$0.00	\$504.16	\$2,107.27

Before



During



After





Project: Laughing Gull Dr.

Activity: Routine/ Preventive Maintenance

Project #: 2022-537

Township/SW Dist: Lady's Island/7

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: 08/17/22

File: C:\project summaries map\Laughing Gull Dr._2022-537



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Pond Maintenance - Ambrose Pond, HWY 170 Pond and Backache Acres Pond

Activity: Pond Maintenance

Duration: 09/15/2020 - 02/24/2021

Narrative Description of Project:

Removed debris from the perimeter of the pond, installed rip rap and resealed a pipe joint.

2021-321 / Pond Maintenance

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$32.74	\$0.00	\$0.00	\$0.00	\$20.21	\$52.95
CPR / Channel Pipe - Repaired	24.00	\$501.68	\$84.96	\$82.67	\$0.00	\$406.72	\$1,076.03
HAUL / Hauling	18.00	\$400.86	\$343.08	\$1,814.62	\$0.00	\$383.76	\$2,942.32
PM / Ponds - Maintenance	13.00	\$302.85	\$213.35	\$43.16	\$0.00	\$176.64	\$736.00
SC / Sediment Control	18.00	\$376.26	\$84.12	\$6.24	\$0.00	\$305.04	\$771.66
SD / Soft Digging	16.00	\$361.24	\$170.68	\$32.32	\$0.00	\$249.48	\$813.72
Grand Total	90.00	\$1,975.63	\$896.19	\$1,979.01	\$0.00	\$1,541.85	\$6,392.68

(No Pictures Available)



Project: Pond Maintenance
 Ambrose Pond
 Map#1

Activity: Routine/
 Preventive
 Maintenance

Project #:
 2021-421

Township/SW Dist:
 City of Beaufort/1

Completed:
 February 2021

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

0 25 50 100 150 200
 Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/11/22

File: C:\project summaries map\Pond Maintenance Ambrose Pond Map#1_2021-321



Project: Pond-Maintenance HWY 170 Pond Map#2

Activity: Routine/Preventive Maintenance

Project #: 2021-421

Township/SW Dist: City of Beaufort/1

Completed: February 2021

Legend

Drainage Type

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



1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/11/22

File: C:\project summaries map\Pond Maintenance HWY 170 Pond Map#2



Project: Pond Maintenance
Backache Acres Map#3

Activity: Routine/
Preventive Maintenance

Project #: 2021-421

Township/SW Dist: Sheldon/5

Completed: February 2021

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

0 55 110 220 330 440 Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/11/22

File: C:\project summaries map\Pond Maintenance Backache Acres Map#3_2021-421



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Washout/Sinkhole Repairs

Activity: Routine/Preventive Maintenance

Admin Parking Lot, Pinewood Circle, Donaldson Camp Road, Chesterfield Lake Drive, Possum Hill Road, Milledge Village, Road, Salem Drive East, Burton Wells Channel, Kato Lane and Burlington Circle

Duration: 09/01/2020 - 05/14/2021

Narrative Description of Project:

Repaired washouts and a sinkhole. Installed rip rap and hydroseeded for erosion control.

2021-421/Port Royal Island Washout Repairs

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	3.50	\$98.51	\$0.00	\$0.00	\$0.00	\$56.78	\$155.29
HAUL / Hauling	46.00	\$1,073.18	\$1,016.82	\$2,131.99	\$0.00	\$625.98	\$4,847.97
HYDR / Hydroseeding	24.00	\$481.64	\$137.42	\$264.87	\$0.00	\$219.40	\$1,103.33
RPWO / Repaired Washout	96.00	\$2,055.59	\$514.49	\$168.23	\$0.00	\$1,322.30	\$4,060.61
SR / Sinkhole repair	12.00	\$324.98	\$42.90	\$227.43	\$0.00	\$137.98	\$733.29
WSREP / Workshelf - Repair	36.00	\$746.24	\$205.48	\$45.00	\$0.00	\$526.08	\$1,522.80
Grand Total	217.50	\$4,780.14	\$1,917.11	\$2,837.52	\$0.00	\$2,888.52	\$12,423.29

Before

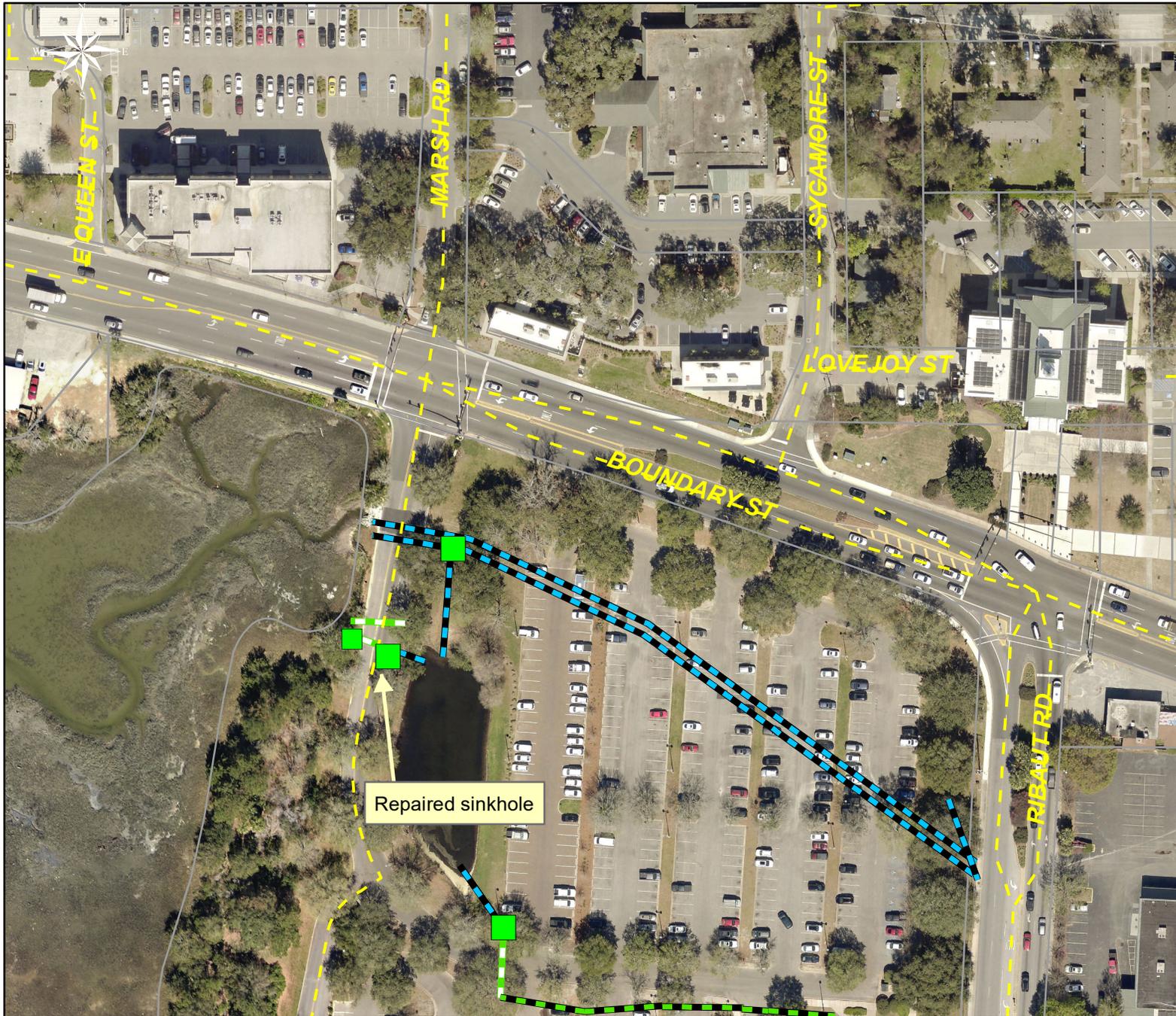


During



After





Project: Port Royal Island Washout / Sinkhole Repair - Beaufort County Admin Parking Lot Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2021-421

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

Completed: May 2021

Legend

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

0 2040 80 120 160 Feet 1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/09/21

File: C:\project summaries map\PRI Washout/Sinkhole Repair- Beaufort County Admin Parking Lot Map #1_2021-421



Project: Port Royal Island Washout / Sinkhole Repair - Pinewood Circle Channel Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2021-421

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

Completed: May 2021

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

037.575 150 225 300 Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print:03/09/21

File:C:\project summaries map\PRI Washout/Sinkhole Repair- Pinewood Circle Channel Map #2_2021-421



Project: Port Royal
Island Washout /
Sinkhole Repair -
Donaldson Camp
Road Map #3

Activity: Routine/
Preventive
Maintenance

Project #:
2021-421

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

Completed:
May 2021

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

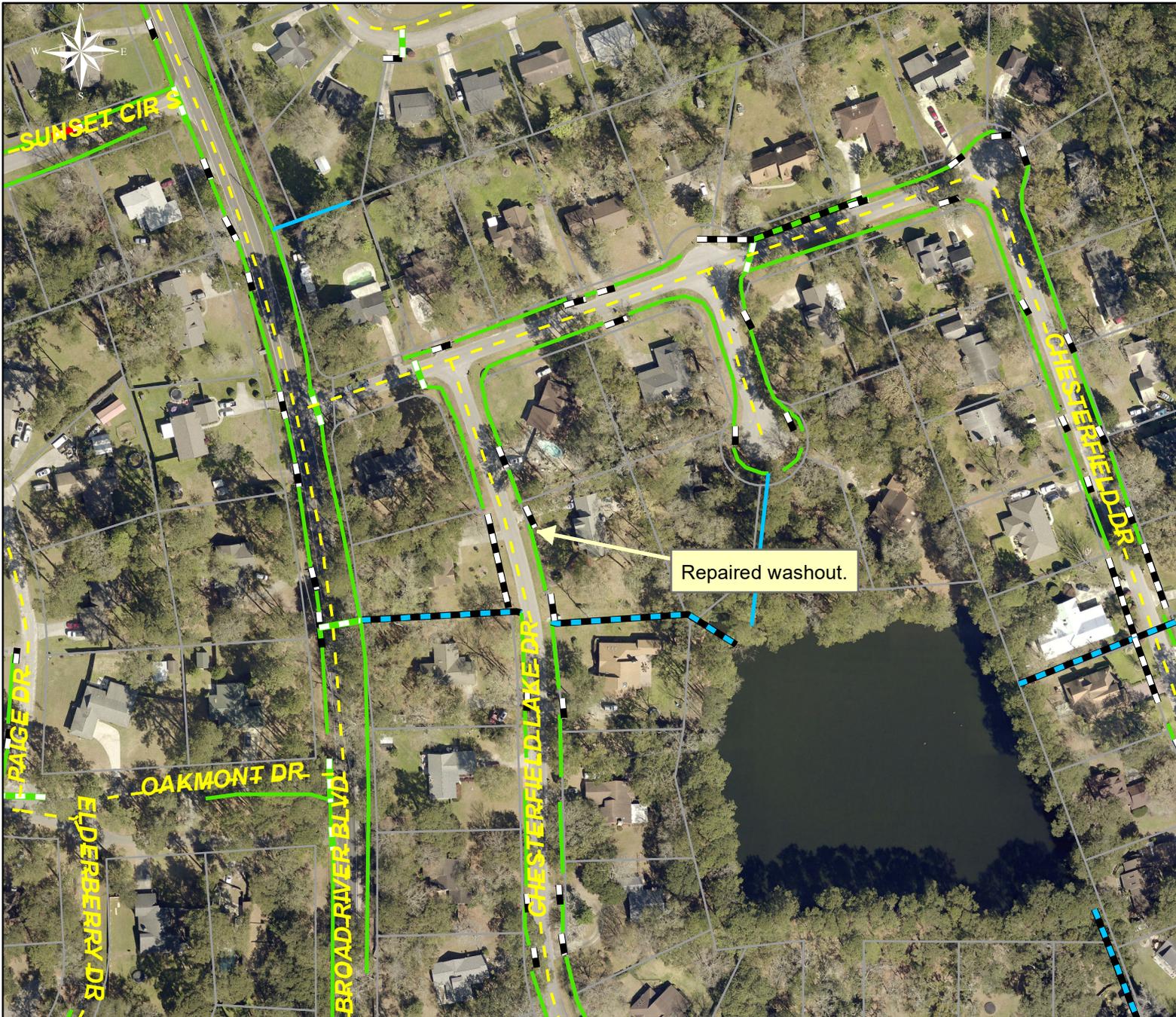
0 2550 100 150 200
Feet

1 inch = 160 feet

Prepared By: BC Stormwater Management Utility

Date Print:03/09/21

File:C:\project summaries map\PRI Washout/Sinkhole Repair- Donaldson Camp Road Map #3_2021-421



Project: Port Royal Island Washout / Sinkhole Repair - Chesterfield Lake Drive Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2021-421

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

Completed: May 2021

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

0 30 60 120 180 240 Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print:03/09/21

File:C:\project summaries map\PRI Washout/Sinkhole Repair- Chesterfield Lake Drive Map #4_2021-421



Project: Port Royal Island Washout / Sinkhole Repair - Possum Hill Road Map #5

Activity: Routine/ Preventive Maintenance

Project #: 2021-421

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

Completed: May 2021

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

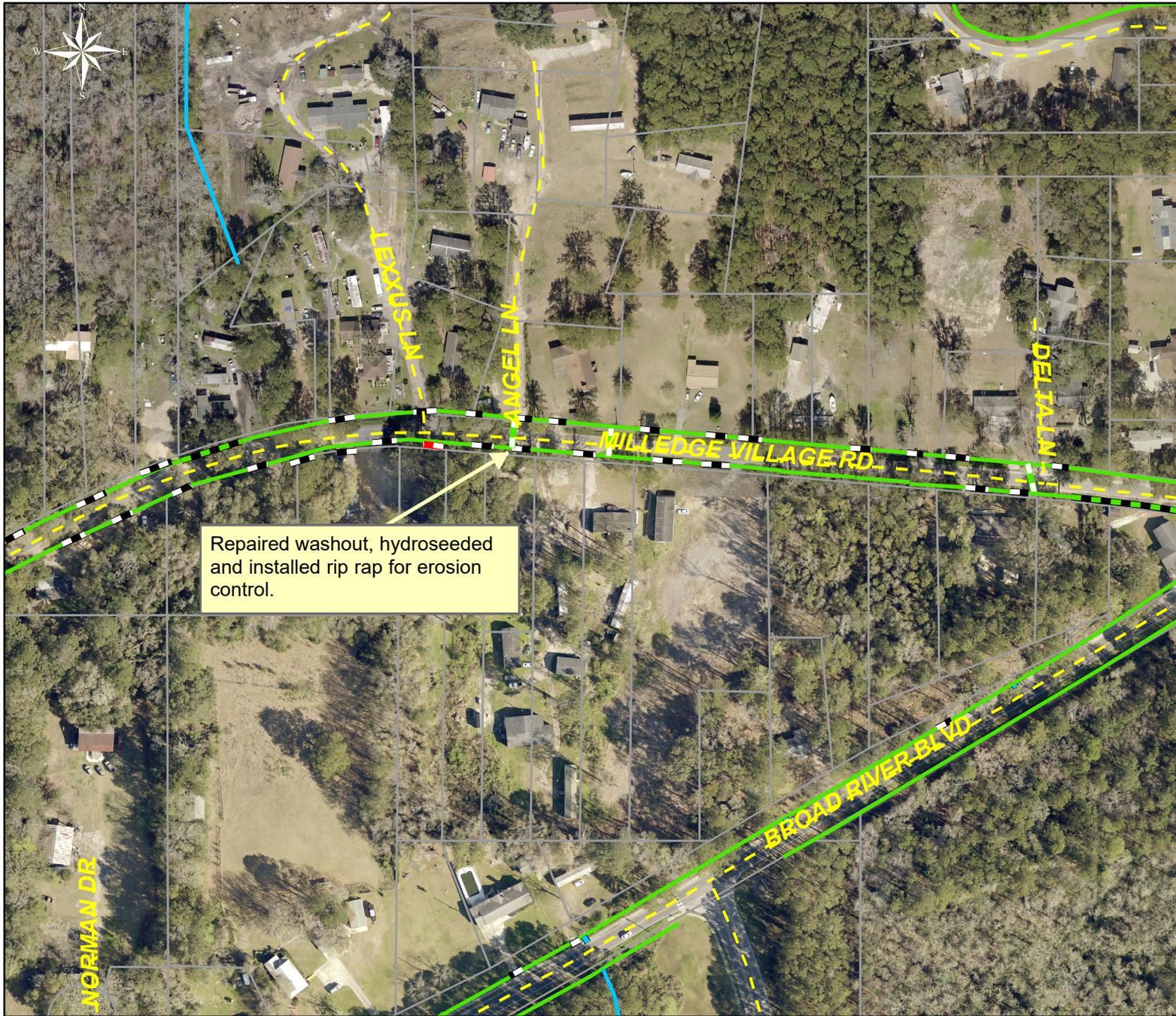
0 45 90 180 270 360 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/09/21

File: C:\project summaries map\PRI Washout/Sinkhole Repair- Possum Hill Road Map #5_2021-421



Project: Port Royal Island Washout / Sinkhole Repair - Milledge Village Road Map #6

Activity: Routine/ Preventive Maintenance

Project #: 2021-421

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

Completed: May 2021

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

037.575 150 225 300

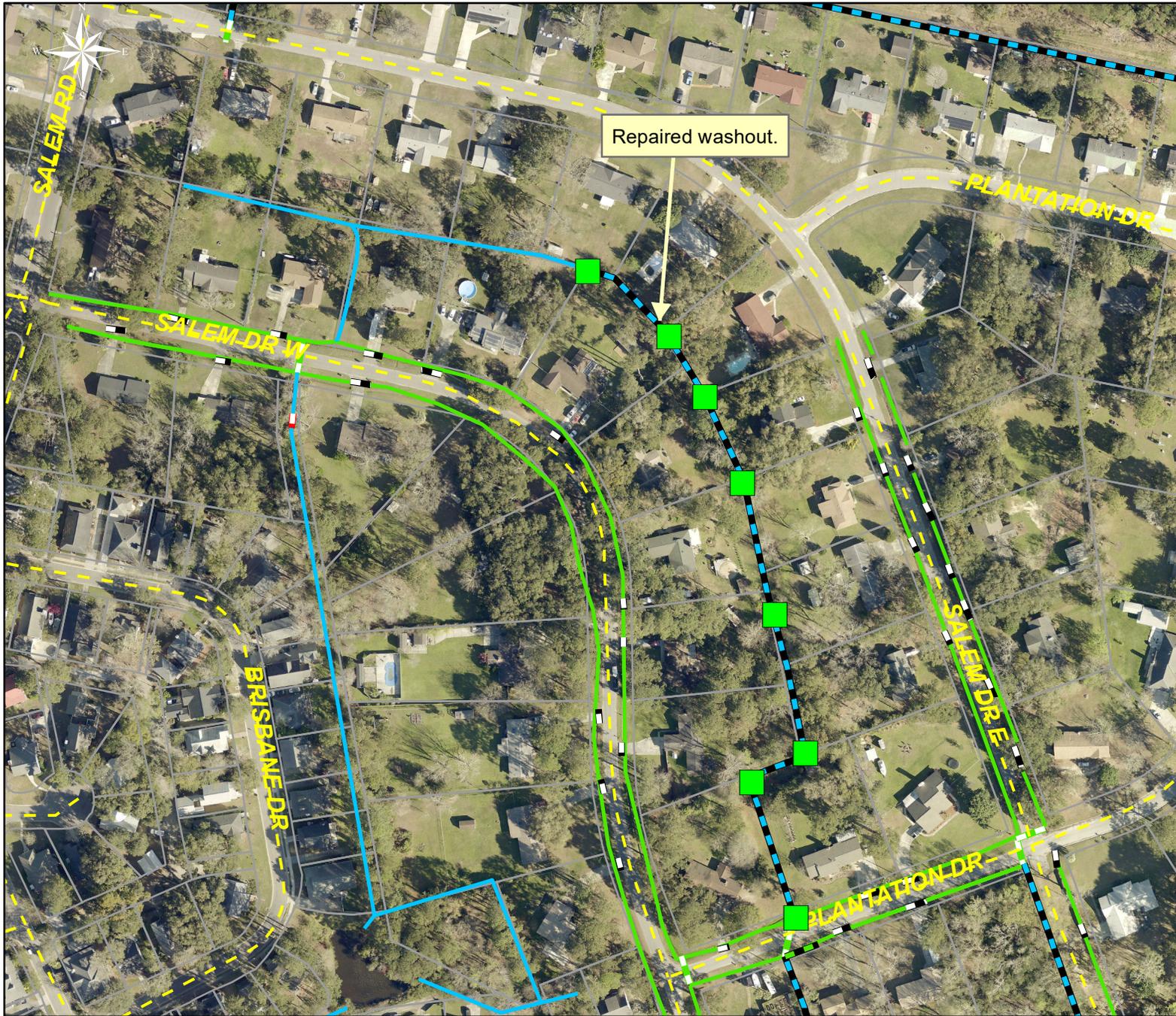
 Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/09/21

File: C:\project summaries map\PRI Washout/Sinkhole Repair- Milledge Village Road Map #7_2021-421



Project: Port Royal Island Washout / Sinkhole Repair - Salem Drive E Map #7

Activity: Routine/ Preventive Maintenance

Project #: 2021-421

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

Completed: May 2021

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

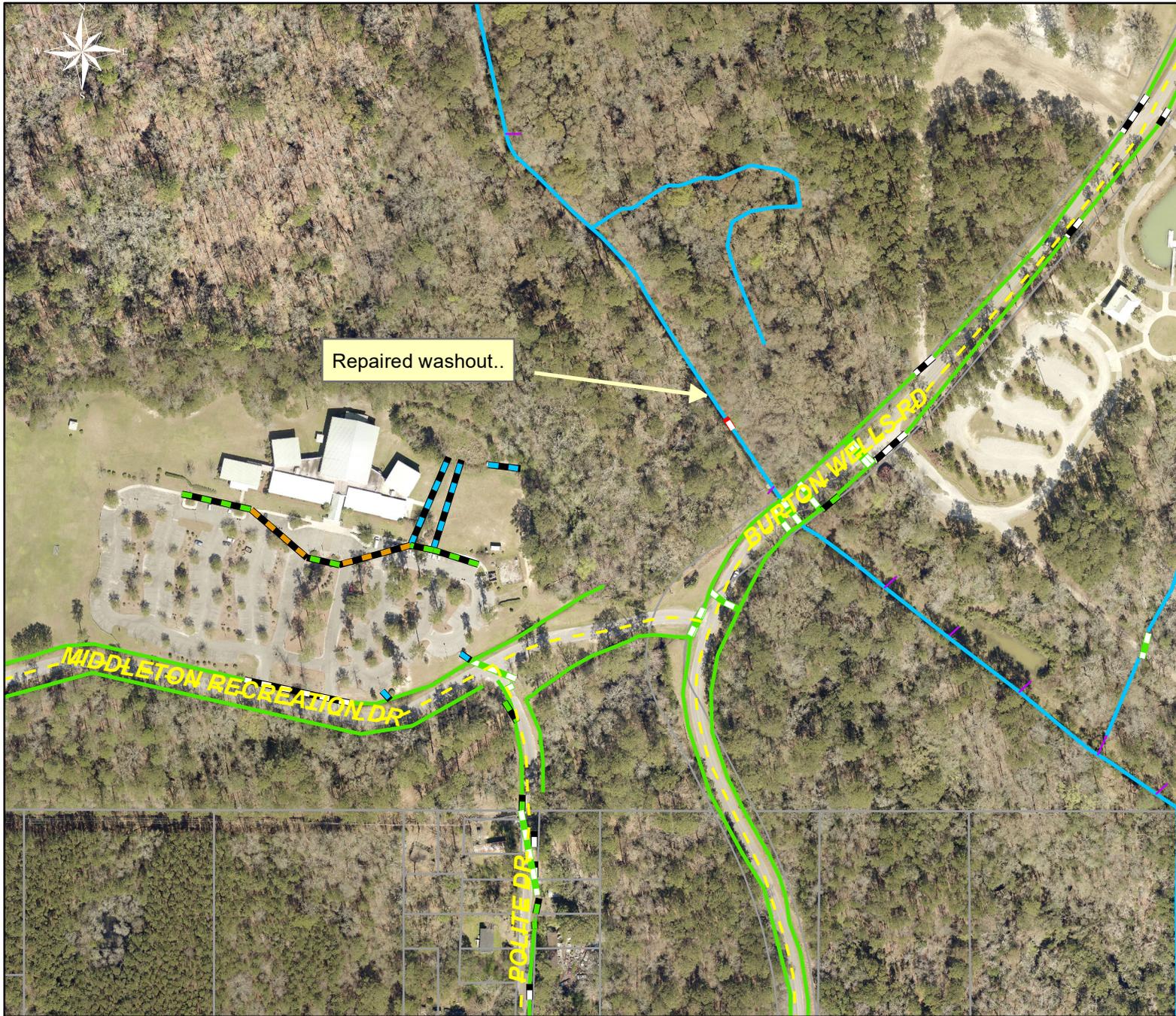
0 35 70 140 210 280 Feet

1 inch = 200 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/09/21

File: C:\project summaries map\PRI Washout/Sinkhole Repair- Salem Drive E Map #8_2021-421



Project: Port Royal Island Washout / Sinkhole Repair - Burton Wells Channel Map #8

Activity: Routine/ Preventive Maintenance

Project #: 2021-421

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

Completed: May 2021

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

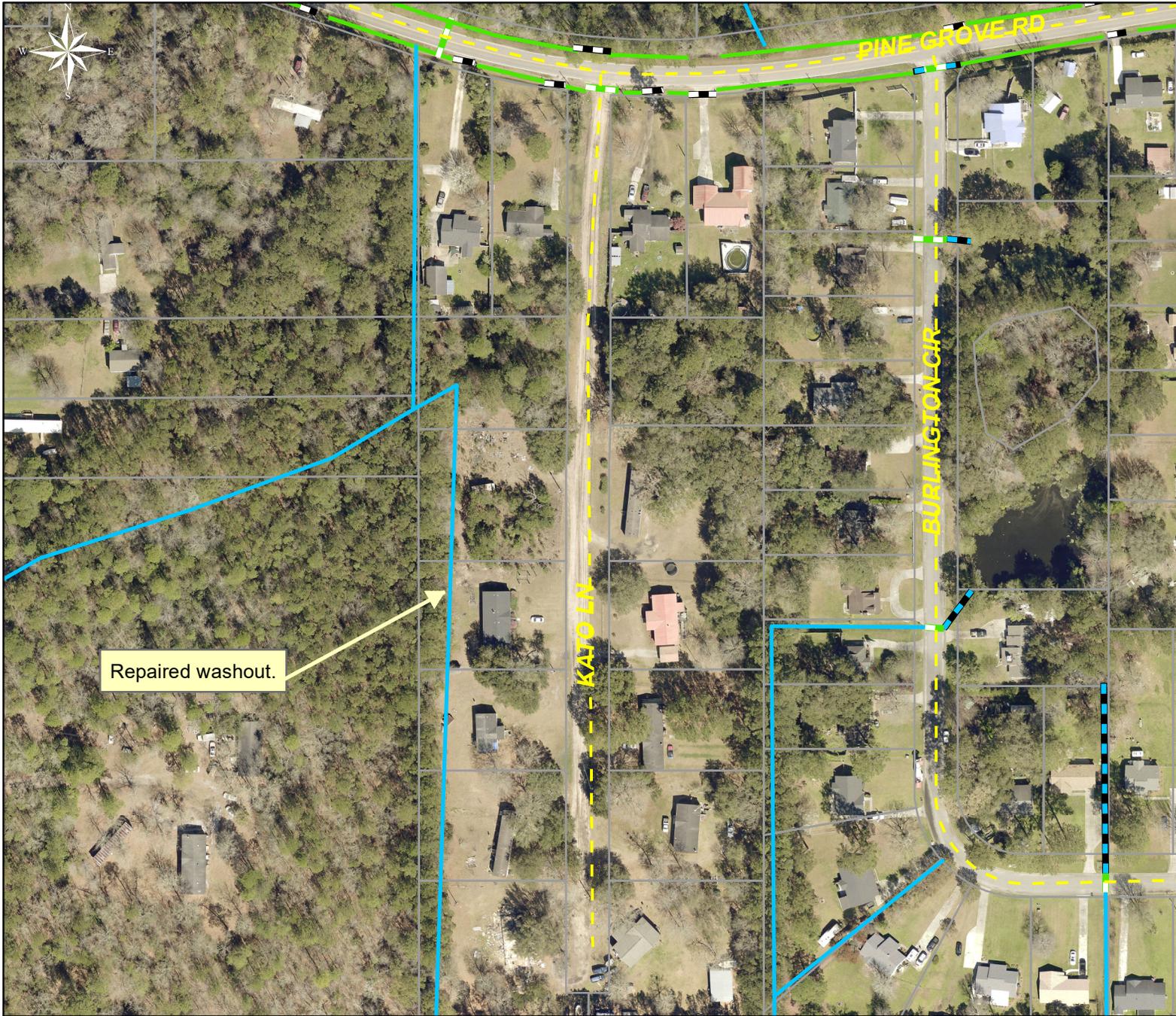
0 45 90 180 270 360 Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 03/09/21

File: C:\project summaries map\PRI Washout/Sinkhole Repair- Burton Wells Channel Map #9 2021-421



Project: Port Royal/
Island Washout/
Sinkhole Repair-
Kato Ln
Map #9

Activity: Routine/
Preventive
Maintenance

Project #:
2021-421

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

Completed:
May 2021

Legend

Drainage Type

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

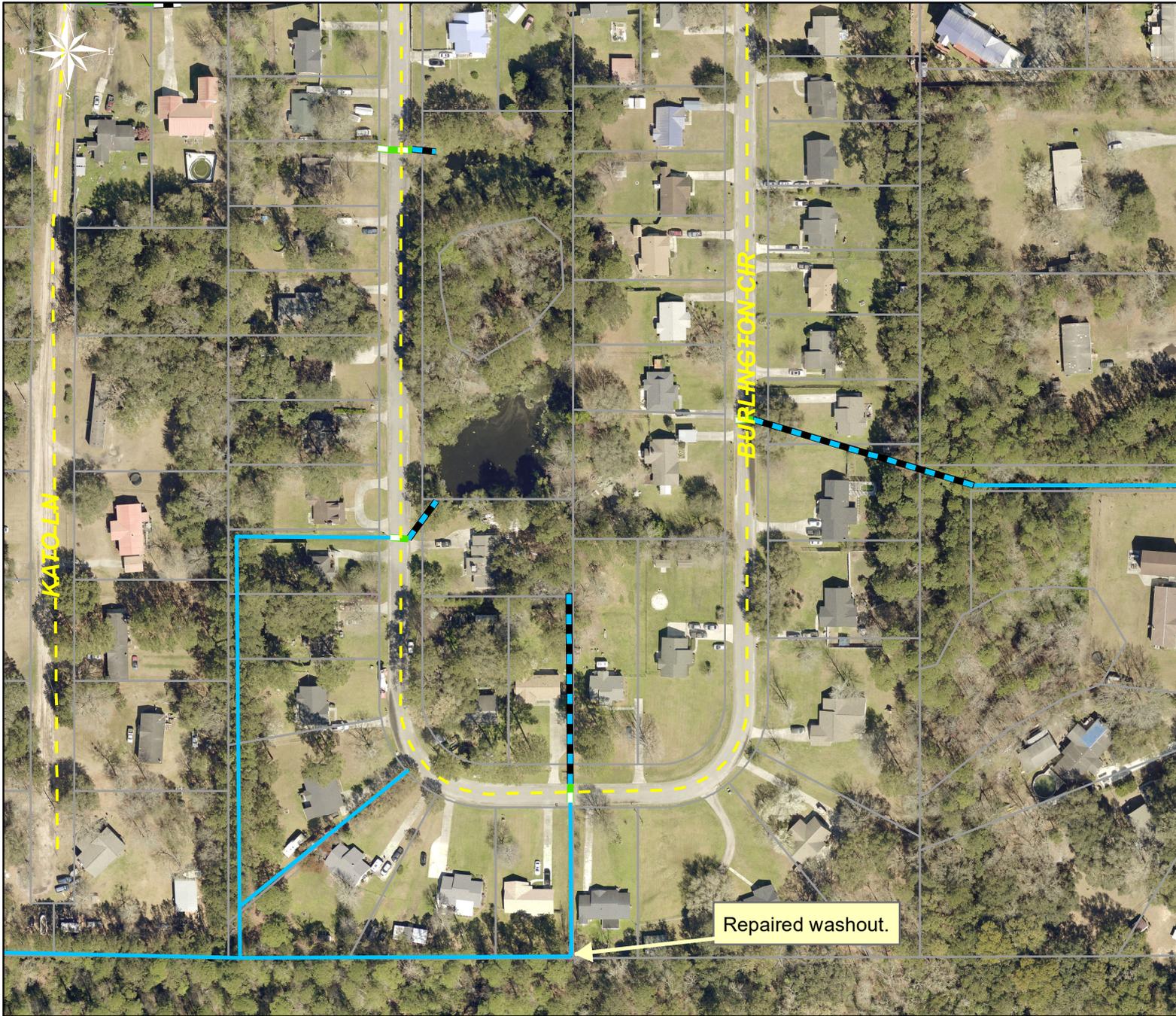
0 25 50 100 150 200
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/11/22

File: C:\project summaries map\Port Royal\Island Washout\Sinkhole Repair-Kato Ln Map#10_2021-421



Project: Port Royal/
Island Washout/
Sinkhole Repair-
Burlington Cir
Map#10

Activity: Routine/
Preventive
Maintenance

Project #:
2021-421

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

Completed:
May 2021

Legend

Drainage Type

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

0 25 50 100 150 200
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/11/22

File: C:\project summaries map\Port Royal\Island Washout\Sinkhole Repair-Burlington Cir Map#11_2021-421



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Royal Pines S/D

Activity: Routine/Preventive Maintenance

Duration: 11/23/2021 - 11/30/2021

Narrative Description of Project:

Project improved 1,280 L.F. of drainage system. Cleaned out 1,280 L.F. of channel.

2022-527 / Royal Pines S/D

	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
CCO / Channel - cleaned out	48.00	\$1,594.40	\$307.53	\$103.55	\$0.00	\$1,024.96	\$3,030.44
HAUL / Hauling	16.00	\$487.52	\$304.96	\$59.85	\$0.00	\$255.84	\$1,108.17
PS / Push up soil	8.00	\$197.32	\$42.48	\$14.25	\$0.00	\$160.36	\$414.41
Grand Total	72.50	\$2,295.61	\$654.97	\$177.65	\$0.00	\$1,451.27	\$4,579.49

Before

(No Picture Available)

During



After





Project: Royal Pines S/D

Activity: Routine/ Preventive Maintenance

Project #: 2022-527

Township/SW Dist: 7 Lady's Island

Completed: November 2021

Legend

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

0 185370 740 1,110 1,480 Feet

1 inch = 1,000 feet

Prepared By: BC Stormwater Management Utility
 Date Print: 03/24/2022
 File: C:\project summaries map\Royal Pines_2022-527



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: St Helena Island Washout Repairs
Levant Byas Road, Landing Hill Road and David Green Road

Activity: Routine/Preventive Maintenance
Duration: 07/06/2020 - 06/03/2021

Narrative Description of Project:

Repaired washouts.

2021-423/St Helena Island Island Washout Repairs

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	2.00	\$48.19	\$0.00	\$0.00	\$0.00	\$13.23	\$61.42
HAUL / Hauling	25.00	\$576.55	\$412.80	\$754.61	\$0.00	\$415.64	\$2,159.60
RPWO / Repaired Washout	76.00	\$1,688.84	\$344.38	\$332.28	\$0.00	\$946.00	\$3,311.50
SD / Soft Digging	16.00	\$356.48	\$306.56	\$52.69	\$0.00	\$322.56	\$1,038.29
Grand Total	119.00	\$2,670.06	\$1,063.74	\$1,139.58	\$0.00	\$1,697.43	\$6,570.81

(No Pictures Available)



Project: St Helena
Island Washout/
Sinkhole Repair
Levant Byas Road
Map#1

Activity: Routine/
Preventive
Maintenance

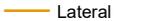
Project #:
2021-423

Township/SW Dist:
St Helena Island/8

Completed:
June 2021

Legend

Drainage Type

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

0 55 110 220 330 440
Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/09/20

File: C:\project summaries map\SHI Washout/Sinkhole Repair-Levant Byas Road Map#1_2021-423



Project: St. Helena Island Washout / Sinkhole Repair- Landing Hill Road Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2021-423

Township/SW Dist: St. Helena Island/8

Completed: June 2021

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

0 35 70 140 210 280 Feet 1 inch = 150 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/09/20

File: C:\project summaries map\SHI Washout/Sinkhole Repair- Landing Hill Road Map #2_2021-423



Project: St. Helena Island Washout / Sinkhole Repair- David Green Road Channel Map #3

Activity: Routine/ Preventive Maintenance

Project #: 2021-423

Township/SW Dist: St. Helena Island/8

Completed: June 2021

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

0250 100 150200
 Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 09/07/21

File: C:\project summaries map\SHI Washout/Sinkhole Repair- David Green Road Channel Map #3_2021-423



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

