



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

March 2022

Stormwater Utility Board Packet – February 2022

Table of Contents

1. Beaufort County Stormwater Manager Report – [Attached](#)
2. Stormwater Projects Report – [Attached](#)
3. Draft February Minutes – [Attached](#)
4. Draft 04.20.2022 Agenda - [Attached](#)



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



February 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:

All project milestones have been completed.

2. Regionalization
 - a) Implementation of new standards began on February 1st, 2021. At this time Staff have been working with several contractors on new requirements. Staff continues to coordinate implementation efforts internally.
 - b) Staff continues to support other municipalities in their efforts to move forward with adoption.
 - c) Amendments to manual and ordinance were approved and are effective as of February 1st, 2022.
3. Special presentation suggestions –
 - Suggestions for Future Meetings
 - Research performed by Dr. Montie – Spring 2022
 - Cypress Wetlands Project – Spring 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 City of Beaufort and Town of Port Royal were approved at the Natural Resources Committee meeting on March 7th, 2022. They are scheduled for first reading at County Council on March 14th.

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

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 Dr. Alan Warren and Lab Manager Danielle Mickel)
 - i. [See attached report.](#)

Stormwater Implementation Committee (SWIC) Report

1. SWIC update sent to group on March 2nd about contracts, MOA's, and reporting deadlines for Financial reports and Management Fees.

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 – Request for Information from the State was received February 9 and staff is working to satisfy the updates and information needed. The Design, Engineering, and Permitting phase of the project is set to begin the bid process early this month so that the designated firm can begin their work early in FY23.
3. Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision (Design Cost \$49,873, Tree Mitigation Cost \$18,200 & \$18,200,

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

Construction Cost by the Developer) – All closing documents have been prepared, waiting for property owner signature.

4. 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 handling obtaining easement from property owner.
5. Graves Property / Pepper Hall Public / private partnership – Construction on going.
6. Whitehall property purchase – Construction continues on City property.
7. Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No update at this time.
8. Tuxedo Park Pond Dredging- Project is set to begin the bid process early March.
2. Huspah Court North- Design work to align the drainage conveyance with the property line is wrapping up
- 9.

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) Salt Creek – Project has been removed from CIP plan.
 - b) Shanklin – Project has been removed from CIP plan.
 - a) Brewer Memorial – Construction on site continues. Main connection from the street to the park has been established and contractor is working on laying out and stabilizing the parking lot.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Utility conflict at the catch basin continues to pause progress. SCDOT has given preliminary approval to replacing the existing catch basin with a deeper catch basin and routing the storm sewer under the force main. Calculations, applications, and plans for this option are being prepared at present time.
3. Stormwater engineering consulting services – Woolpert
 - a) Scope #1 – General Services – Anything relating to Stormwater as a catch all

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

- 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, etc. Allocated funds - \$105,000.00. Audit has been completed. Staff wrapping up project with Woolpert.
 - 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 - Woolpert analyzed the Battery Creek Burton Hill M2 pond for potential deficiencies that are causing excess trash to end up in the overflow ditch that leads to the marshes of Battery Creek, bypassing the trash rack. The trash rack will be replaced with a standard grate rack installed to the elevations originally specified on the plans for the pond. Major upgrades will be considered if this does not help the issue.
 - 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 Ladys Island. Allocated funds - \$10,000.00. Project Completed.
 - g) Scope #7 – NPDES SMS4 general permit assistant
 - a) Scope #8 – St. Helena Drainage Study. Approved and initiated.
 - b) Scope #9 – Arthur Horne Park 319 Grant Funding – Consultant and Staff spoke with DHEC watershed manager March 3rd.
 - c) Scope #10 – Ladys Island Drainage Study Phase I – Approved and Initiated.

Regional Coordination

- 2. Mossy Oaks Task Force – County working with USCB on water quality monitoring efforts.

Municipal Reports

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

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

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.
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 – DHEC did not provide any updates during the most recent SCASM meeting on March 3rd relating to permit information.

Staff Update

1. The Department continues to conduct interviews for all vacant positions in Stormwater Infrastructure - ((1) Foreman, (2) Equipment Operator II, (3) Equipment Operator I, and (9) Maintenance Workers).
2. Staff have chosen candidates for the Stormwater Infrastructure Technician and Senior Administrative Assistant positions. Both individuals should begin in late March pending successful completion of hiring process.

USCB Water Quality Lab Update

Beaufort County

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: First quarter of 2022 has begun with no known changes to monitoring plan.

Memorandum of Understanding: Instead of a MOU, a sole source contract agreement has been approved and fully executed.

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.

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: First quarter of 2022 has begun.

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.

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.

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.

2022 Proficiency testing for the Water Pollution and Water Supply study started and needs to be completed by the first half of the year. 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.

USCB'S Water Quality Laboratory vacated the North campus Marine Science Building location at the request of the University for additional space for Natural Sciences and now is solely located on South campus.

TOWN COUNCIL

STAFF REPORT

Engineering Department



MEETING DATE:	March 08, 2022
SUBJECT:	Engineering Department Monthly Report
PROJECT MANAGER:	Kim Jones, Director of Projects & 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 is 95% complete.
- Stormwater pipe and sidewalks have been removed from the Shults Rd. portion of the project scope due to conflicts between SCDOT pipe and BJWSA sewer lateral line standards. The pipes are scheduled to be removed from Shults Rd. beginning mid-March.
- **Next Steps**
 - Complete construction in March 2022.
 - Complete as-built drawings and request SCDOT inspection.

2. Buck Island-Simmons ville Neighborhood Sidewalks and Lighting

- Phase 5 street lighting easement acquisition process is underway. Awaiting easement documents from legal.
- Phase 6A along Simmons ville Road from Grayco northward to Sugaree Drive: construction began in September and is substantially complete.
- 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.
 - Complete construction of Phase 6A sidewalks and obtain SCDOT Permit Closeout.
 - Complete Phase 6B design and permitting.
 - Construction of the remaining Simmons ville Road sidewalks to be completed in FY 2023.

3. Bridge Street Streetscape

- Phase 1 construction documents are complete.
- OCRM/DHEC permits are approved. SCDOT comments have been addressed and

under review.

- SCDHEC 319 grant application was awarded for \$179,700 for drainage and water quality improvements.
- Easement exhibits, appraisals and just compensation are complete.
- Easement acquisition is 90% complete. Awaiting resolution of Cunningham LLC easement conditions.
- **Next Steps**
 - Complete engineering design and permitting in February 2022.
 - Issue Invitation for Bid in February 2022.
 - Construction is anticipated to start in late April 2022.

4. **Boundary Street Streetscape**

- Surveying is complete and engineering design is underway.
- Conceptual Drainage Plan was provided to Town Staff for review and comment.
- **Next Steps**
 - Complete draft preliminary engineering design in February 2022.

5. **New River Linear Trail**

- Surveying is complete.
- Conceptual Master Plan is 90% complete.
- Met with Santee Cooper to determine design parameters for Phase 1 engineering design.
- **Next Steps**
 - Obtain proposal for Phase 1 Pathway Engineering Design (New River to Hwy 46).
 - Research grant opportunities to fund planning and construction of future trail improvements.
 - Determine availability for sewer, water and power to trail head/parking area.
 - Submit plans to Santee Cooper for cursory review.

SEWER & WATER

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 is preparing new construction documentation to complete the project.
- **Next Steps**
 - Readvertise for bids to complete construction on Phase 5A-D anticipated by end of April 2022.
 - Start house connections after the main line is approved by DHEC.

2. **Historic District Sewer Extension Phase 1 - Pritchard Street**
 - Main line construction and connections are complete.
3. **Historic District Sewer Extension Phase 2 - Bridge Street**
 - Received SCDHEC permit to construct for original scope.
 - No contractors responded to the first construction solicitation. Researching redesign options 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.
4. **Historic District Sewer Extension Phases 3 through 6 – Colcock, Lawrence, Green and Water Streets**
 - Received initial design and reviewed with the engineer.
 - **Next Steps**
 - Review design changes to drawings.
 - Obtain Quit Claim Deeds from all the property owners along the ghost roads.

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 ROW. Easements must now be obtained to install Phase 2 lighting.
 - **Next Steps**
 - Coordinate light installation in conjunction with streetscape design.
 - Obtain easements as needed for Phase 2 street lighting.
 - Begin installation of street lighting on the west side of the street in April 2022.
2. **Historic District Streetscape and Drainage Improvements**
 - Engineering design, landscape design, permitting and bidding have been completed for the drainage improvements at the AME Church. No contractors bid the project. Project was re-packaged and re-bid.
 - 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. Design is underway.
 - **Next Steps**
 - AME Church rain garden bids received on 2/7/22 and selection process underway.
 - Complete designs and construction documents for first phase of intersection/crosswalk ADA improvements.

3. Calhoun Street Streetscape

- Surveying is complete and engineering design underway.
- **Next Steps**
 - Continue with engineering design. Obtain preliminary plan in March and continue planning into 2022.
 - Easement acquisition is planned to begin in FY 2023.
 - Phased construction is planned to begin in FY 2024 pending budget approval.

4. Squire Pope Carriage House Preservation

- Construction documents are complete and submitted to SHPO for a courtesy review.
- Stabilization documents are complete.
- A bid has been received for the stabilization but is over budget. Project is being value-engineered to reduce costs.
- ATAX funding was submitted in December for a March 2022 determination.
- Squire Pope grant application recommended for funding 2/15/2022 at ATAC meeting.
- **Next Steps**
 - Begin stabilization construction in March 2022, pending funding.

PARK DEVELOPMENT

1. Oyster Factory Park

- Witmer, Jones and Keefer completed design development drawings in May 2021.
- Engineering Design of eastern parking area is underway.
- Obtained dock permit from USACOE and SCDHEC/OCRM.
- **Next Steps**
 - Begin construction of parking area in March 2022.

2. Wright Family Park

- Developed palmetto tree re-use design.
- Requested quote for landscape additions to be funded by the Beautification Committee.
- **Next Steps**
 - Draft signage to be approved by Management.
 - Complete installation of one set of palmetto logs, to be reviewed by Management.
 - Full installation of approved design in Spring of 2022.

3. Oscar Frazier Park

- Installed additional synthetic turf and power pedestals.
- Prepared concept designs and estimating for Splash Pad.
- Obtained bids for grading and sod replacement at the Field of Dreams
- **Next Steps**

- Start grading and sod replacement of the Field of Dreams in March 2022.
- Continue planning and design of future improvements in FY 2023 and beyond.

4. **New Riverside Barn/Park**

- Obtained notification that \$500,000.00 grant was approved for partial funding of the initial phase of the project.
- Engineering design of Phase 1 site development is underway.
- Hart Howerton completed schematic design of the restroom and barn additions.
- Construction documents for the restroom building are 98% complete.
- Executed contract with Wood and Partners for preliminary design of playground area and landscape design of Phase 1 development.
- Posted RFQU 2/16/2022. Architectural Services for barn renovation/addition.
- **Next Steps**
 - Complete final architectural plans for Phase 1 restroom building.
 - Complete construction drawings, cost estimating and permitting of Phase 1 site development in the third quarter of FY 2022.
 - Bidding and construction of Phase 1 site development is anticipated to begin in the fourth quarter of FY 2022.
 - Procure Architectural team for future barn design.

5. **May River Road Pocket Park**

- Presented conceptual plans at 7/20/21 Town Council Workshop.
- Coordinated with Mayberry Holdings for final design plan.
- Obtained bids to raise stormceptor.
- Requested updated boundary, tree, topo and as-builts.
- Submitted Public Project application.
- Survey complete.
- **Next Steps**
 - Prepare construction documents.
 - Bid construction landscape improvements in May 2022

6. **Miscellaneous Park Improvements**

- Completed DuBois Park synthetic turf replacement
- Complete concept design for Pritchard Pocket Park hardscape improvements.
- **Next Steps**
 - Obtain quotes for hardscape improvements at Pritchard Street Park

TOWN FACILITIES AND MISCELLANEOUS PLANNING

1. **Buckwalter Place Park Restroom**

- Design for the Buckwalter Park restroom is complete. Awaiting permits from agencies.
- **Next Steps**

- Obtain permits for the utility extensions for the proposed Buckwalter Park Restroom.
- Restroom building is planned to be constructed in FY 2023 pending budget approval.

2. **Town of Bluffton Housing Projects**

- **Next Steps**

- Planning and design to begin upon completion of Joint Venture Agreement.
- Assist with the preparation of comprehensive cost estimates for planning, design and construction for the various housing projects.

3. **Law Enforcement Center Facility Improvements**

- Initial Scope of Work of the parking and services yard is substantially complete.
- Additional Design Services for Challenge Course and Reflection Plaza are underway.
- No bid responses were received for the Covered Shed building.
- **Next Steps**
 - Punch list and closeout documents nearing completion.
 - Obtain quotes from specialty contractors for covered parking shed.
 - Information Technology department coordinating upgrades to building security systems.
 - Complete plans for Reflection Plaza and obtain a change order for The Greenery to construct in March 2022.

4. **Ghost Roads**

- Surveying and easement exhibits are complete.
- Bridge St. Quit Claim Deeds are complete. Pritchard and Colcock Streets Quit Claim Deeds are 95% complete.
- Staff is meeting 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. **Community Safety Cameras**

- Fourteen older cameras in the network have been replaced.
- **Next Steps**
 - Continue with camera replacements and upgrades as necessary.
 - Install cameras to new LEC service yard area.

6. **Public Services Facility Improvements**

- Prepare site plans for expanding of Public Services yard.
- Install new plumbing and electric for the washer and dryer.
- **Next Steps**
 - Begin design and permitting for the expansion of the yard.
 - Obtain quotes for the installation of the plumbing and electric.

- Fencing, flooring, canopies, and HVAC replacement to be completed in June

7. Rotary Community Center Facility Improvements

- Obtain specifications and quotes to replace the hardwood floor in the main area.
- **Next Steps**
 - Complete floor replacement in June 2022.

8. Watershed Management Facility Improvements

- Obtain quotes to add flooring in additional offices.
- **Next Steps**
 - Complete floor replacement in June 2022.

DIVISION/STAFF UPDATES

Project Management

Thirty-eight (38) CIP projects were approved with the FY 2022 budget. HD Sewer Phase 1 (Pritchard Street), BIS Phase 6A Sidewalks, LEC Parking and Service Yard Expansion, DuBois Park Synthetic Turf Replacement, Wright Park Restroom HVAC, Oscar Frazier Park Playground Turf and Power Pedestals, Safety Camera Replacements/Additions, and IT Server Upgrades have been completed so far in FY 2022. Goethe Shult Phase 2, and BIS Phase 5 Sewer are currently under construction and planned to be complete in the Summer of 2022. Boundary Street Lighting, and HD Sewer Phase 2 and 3, Bridge Street Streetscape, New Riverside Barn Park, May River Pocket Park and Oyster Factory Parking lot are expected to start construction this summer. The remaining CIP projects are still in the design phase and are planned to start construction in FY 2023.

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.
- **Next Steps**
 - Beaufort County to present and request a recommendation from SoLoCo for regional partners to adopt.

2. Joint Councils Meeting for Watershed Management Initiatives

- BJWSA developed their CIP list for FY 2020 sewer projects which does not include any projects in the County's jurisdiction in the May River Headwaters without cost-sharing.

- Following the Joint Councils Meeting with BJWSA, held on 2/25/20, staff from Beaufort County and Town of Bluffton met to discuss sewer extension scope and strategy on 2/27/20.
 - 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 1/3 cost-share, so the Town's portion would be approximately \$1.83 million. Beaufort County has not formally agreed or committed any funding.
 - Neither BJWSA nor Beaufort County have committed funds in FY 2021 to begin sewer extension.
 - Town Manager, Director of Engineering and staff met with BJWSA General Manager, Engineer and staff on 6/5/20 to discuss how to move the project forward.
 - The Town submitted a response on 12/18/21 and again on 1/25/22 to BJWSA's "call for projects" request that prioritizes May River Watershed sewer projects.
 - Staff drafted a letter for the Town Manager's review requesting Beaufort County commitment to cost-share Stoney Creek/Palmetto Bluff Rd. sewer project in the May River watershed.
 - Staff presented an update on current status at 4/20/21 Town Council Workshop.
 - Town Council sent a letter on 4/26/21 requesting Beaufort County Council consider funding in FY 2022 for sewer extension projects in the May River watershed in the County's jurisdiction.
 - **Next Steps**
 - Town Council and BJWSA sent a letter requesting Beaufort County Council partnership in sewer extension projects within the County's jurisdiction of the May River Watershed.
- 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 out of the 2020 May River Watershed Action Plan Update and Model Report.
 - 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 determining 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 subwatersheds. Staff is working with a consultant to assess the first six (6) months of data collected at these flow monitoring stations.
 - 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

- Staff has updated the Town's MS4 Stormwater Management Plan and supporting documentation. 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.
- Staff has requested, along with Beaufort County Government and the Town of Hilton Head, that SCDHEC adjust the MS4 annual report timeline to align with the calendar year. Staff is updating the Town's MS4 Annual Report for submission to SCDHEC 04/01/22.

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 for 2/24/22 was cancelled because the committee met 2/10/22. **Attachment 3**
- Staff developed an MS4 direct mail postcard and has obtained cost estimates to print and mail. Staff is working to refine addresses in the appropriate format needed for mailings. This effort assists the Town with meeting MS4 permit requirements.
- Staff worked with the Community Events and Engagement Department to promote a Lowcountry Stormwater Partners (LSP) Lunch and Learn via the Town's Facebook page.

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 02/14/22. Results are pending and any pertinent results from this sampling event will be communicated with Council, WAPAC, and Senior Staff via email.
 - Town staff continues to work with Dr. Tye Pettay to acquire septic, sewage, horse, and dog fecal samples to implement 2020 May River Watershed Action Plan Model Report recommendations and to ensure representative regional marker specificity and sensitivity.
 - Lumin Ultra (formerly Source Molecular) has shipped all Town-owned filters, containing extracted DNA, from samples previously collected as part of the Town's MST Program to the new USCB -MST Laboratory. Town staff will be working with Dr. Pettay to compare results previously received by Source Molecular with the new USCB-MST Laboratory.
 - Town staff will be incorporating the collection of MST samples and the use of an

optical brighteners handheld meter into its MS4 Water Quality Program. Sampling is tentatively set for 2/28/22 if weather conditions are met. The use of MST and optical brighteners data will assist the Town with determining if illicit discharges are present at the time of sampling in the storm sewer system.

- 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 Conducted Contractor Sediment and Erosion (S&EC) control training and shared our MS4 Video for S&EC for 40 people.
 - 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 Simonsville and Buck Island Roads.
 - Performed ditch inspections
 - Arrow ditch (2,569 LF)
 - Red Cedar ditch (966 LF)
 - Buck Island roadside ditch (15,926 LF)
 - Simonsville roadside ditch (13,792 LF)
 - Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simonsville 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 – May River Watershed Action Plan Advisory Committee Cancellation Notice
4. MS4 Minimum Control Measure #3 – Illicit Discharge Detection and Elimination
 - a. Stormwater Infrastructure Inventory Map
 - b. *E. coli* Concentrations Trend Map
 - c. Microbial Source Tracking Trend Map – Human Source
 - d. Microbial Source Tracking Map – All Sources
 - e. Illicit Discharge Investigations
5. MS4 Minimum Control Measure #4 – Construction Site Stormwater Runoff Control

6. MS4 Minimum Control Measure #5 – Stormwater Plan Review and Related Activity
7. Citizen Drainage, Maintenance and Inspections Concerns Map
8. Citizen Request for Watershed Management Services and Activities Map
9. CIP Project Schedules

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

	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022	2019	2020	2021	2022
	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)	Fecal Coliform (MPN)
December	170.0	17.0	79.0		33.0	22.0	49.0		140.0	17.0	4.5		33.0	4.5	17.0		13.0	4.0	6.8		110.0	11.0	7.8	
November	17.0	70.0	33.0		6.8	31.0	33.0		7.8	17.0	7.8		11.0	13.0	4.0		4.5	13.0	4.5		2.0	4.5	2.0	
October	7.8	49.0	49.0		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		49.0	49.0	49.0		33.0	23.0	23.0		22.0	23.0	49.0		7.8	17.0	14.0		17.0	22.0	14.0	
July	4.5	33.0	350.0		13.0	13.0	64.0		7.8	23.0	79.0		17.0	7.8	33.0		22.0	7.8	33.0		13.0	17.0	13.0	
June	33.0	NS	49.0		49.0	NS	79.0		49.0	NS	13.0		46.0	NS	17.0		13.0	NS	22.0		4.5	NS	2.0	
May	7.8	70.0	2.0		9.2	49.0	49.0		7.8	23.0	23.0		2.0	22.0	23.0		6.8	6.8	23.0		4.5	4.5	7.8	
April	23.0	33.0	33.0		13.0	33.0	23.0		7.8	13.0	22.0		6.8	6.8	17.0		23.0	13.0	7.8		6.8	13.0	2.0	
March	23.0	170.0	33.0		23.0	49.0	11.0		6.8	130.0	17.0		13.0	49.0	13.0		7.8	70.0	2.0		4.5	33.0	2.0	
February	64.0	17.0	79.0		33.0	7.8	70.0		23.0	21.0	79.0		31.0	4.5	23.0		6.8	4.5	7.8		13.0	6.8	6.8	
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	44.0	23.0	21.0	26.0	31.0	16.0	16.0	18.0	22.0	14.0	12.0	15.0	15.0	10.0	10.0	10.0	12.0	7.0	9.0	8.0	9.0
** Truncated 90th Percentile	168.0	106.0	139.0	152.0	89.0	59.0	69.0	74.0	63.0	50.0	58.0	55.0	52.0	37.0	39.0	35.0	38.0	31.0	35.0	43.0	32.0	35.0	33.0	32.0

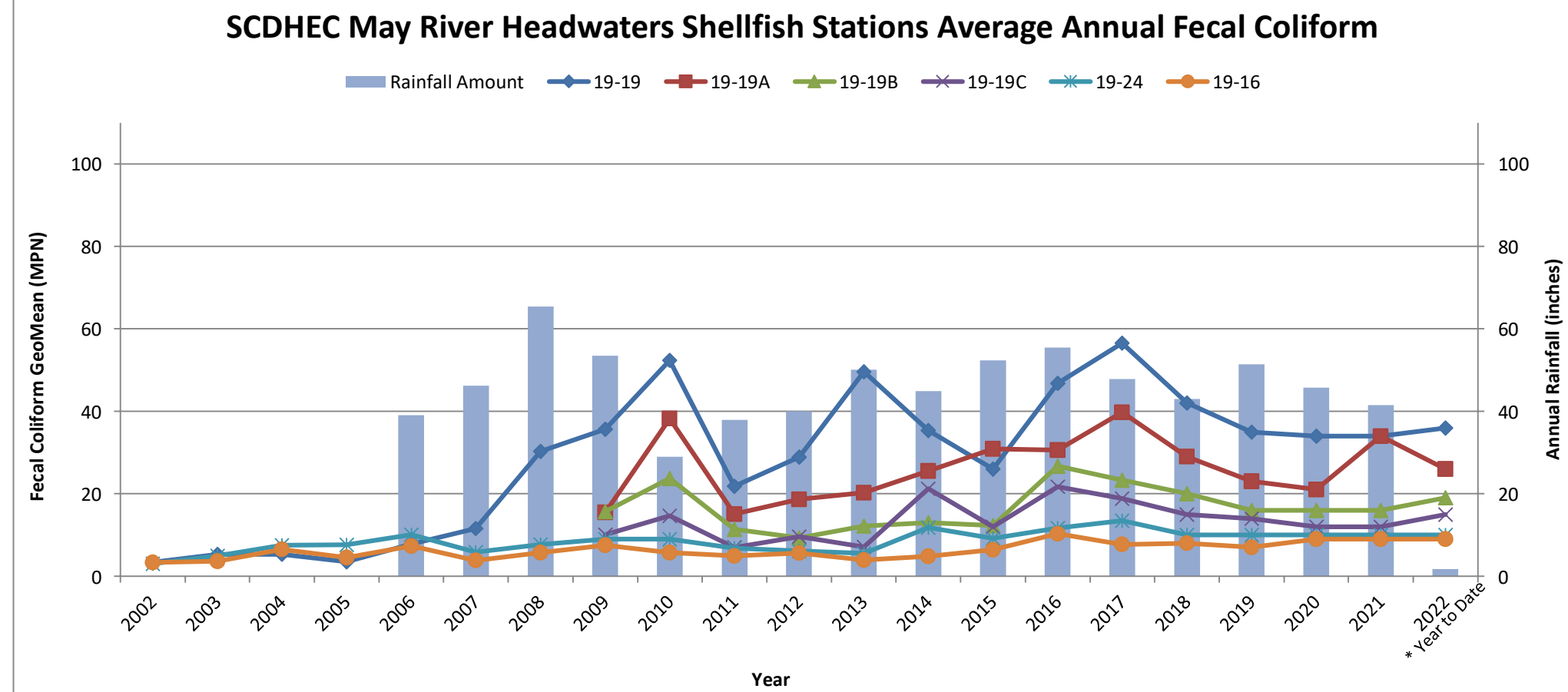
NS = No Sample

SCDHEC Regulatory Requirements:

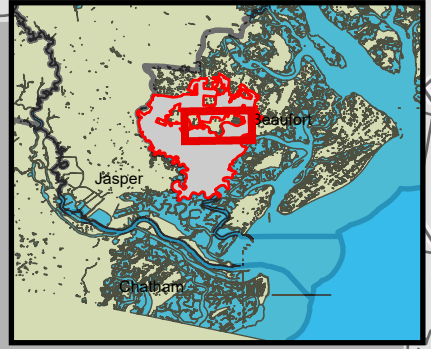
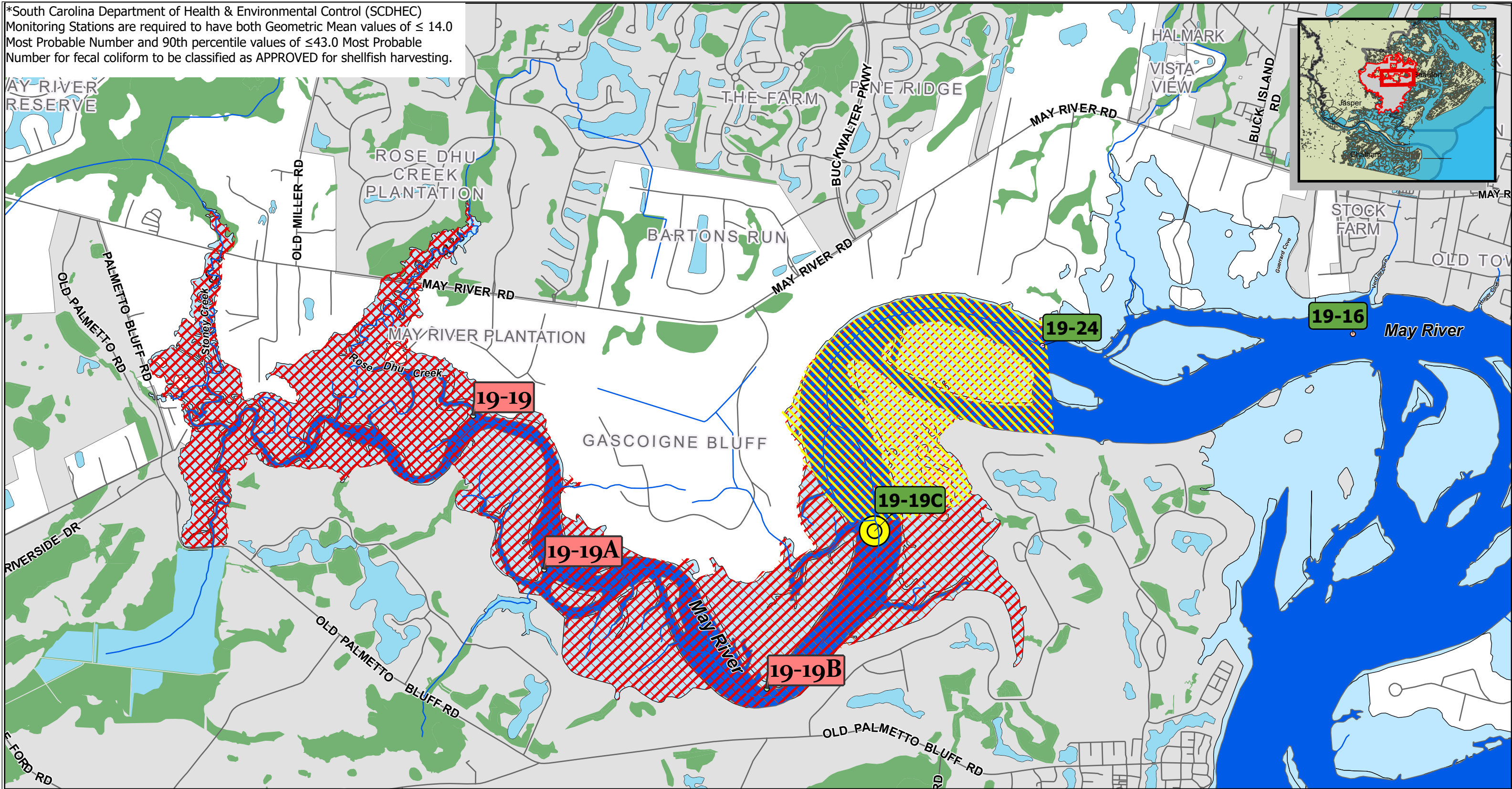
Geometric Mean ≤ 14

90th Percentile ≤ 43

** Town staff calculations utilizing SCDHEC statistics



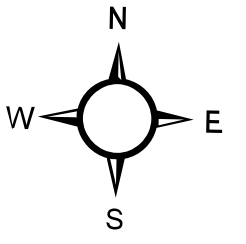
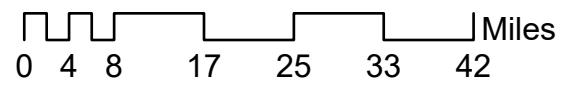
*South Carolina Department of Health & Environmental Control (SCDHEC) Monitoring Stations are required to have both Geometric Mean values of ≤ 14.0 Most Probable Number and 90th percentile values of ≤ 43.0 Most Probable Number for fecal coliform to be classified as APPROVED for shellfish harvesting.



- | | |
|---|---------------------|
| Closed SCDHEC Shellfish Monitoring Stations | Streets |
| Open SCDHEC Shellfish Monitoring Stations | Drainage |
| SCDHEC Shellfish Monitoring Station Classification Change | Town Jurisdiction |
| Restricted 2021/2022 Shellfish Season | County Jurisdiction |
| Re-Opened 2021/2022 Shellfish Season | Water |
| | Wetlands |

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>



PUBLIC NOTICE

The May River Watershed Action Plan Advisory Committee
(WAPAC) meeting scheduled for

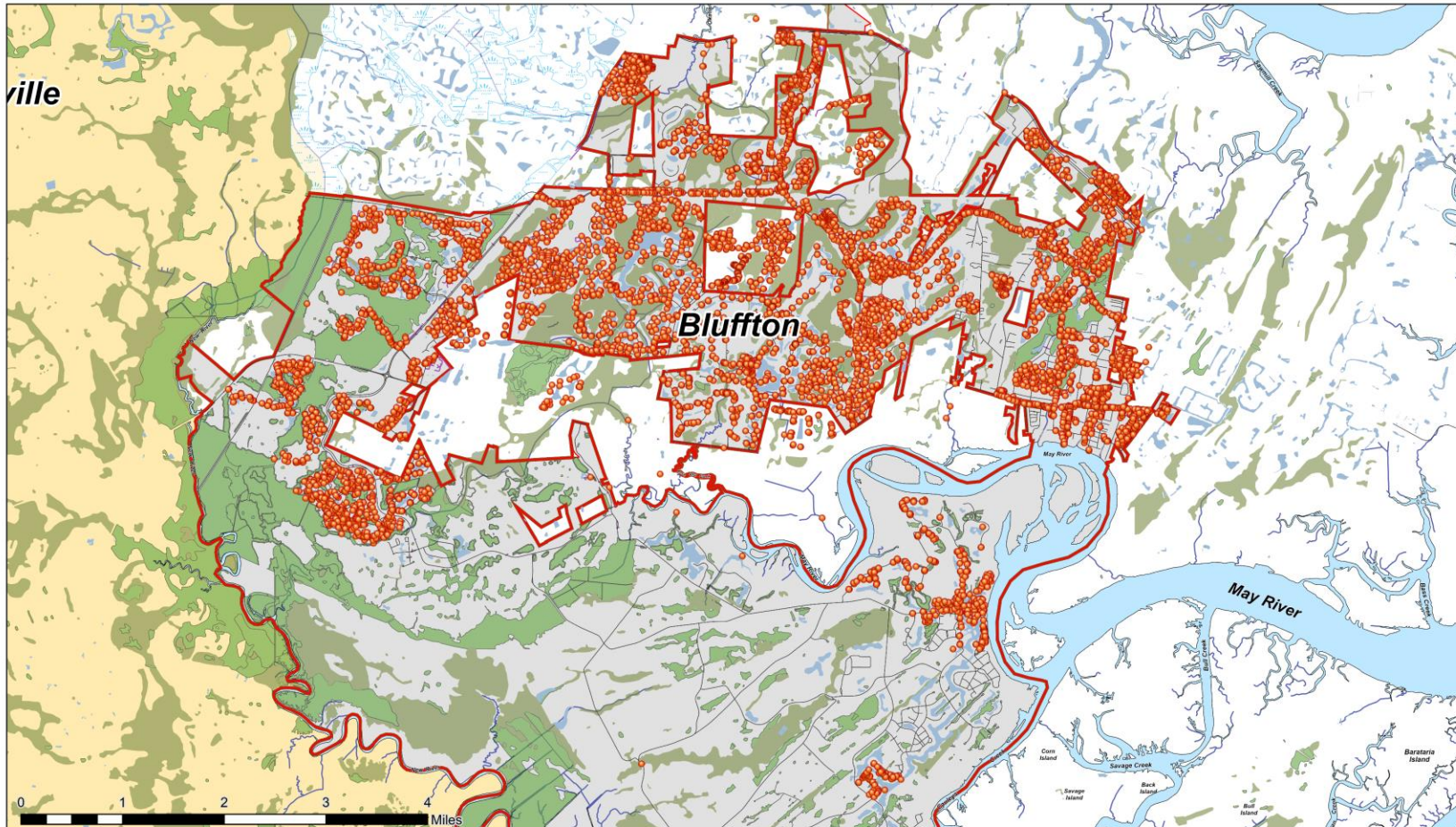
Thursday, February 24, 2022 at 9:00 A.M.

has been CANCELED.

The next meeting is scheduled for
Thursday, March 24, 2022

If you have questions, please contact
the Watershed Management Division
at: 843-706-4559

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



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

Town of Bluffton
Beaufort County, SC

STORMWATER INFRASTRUCTURE

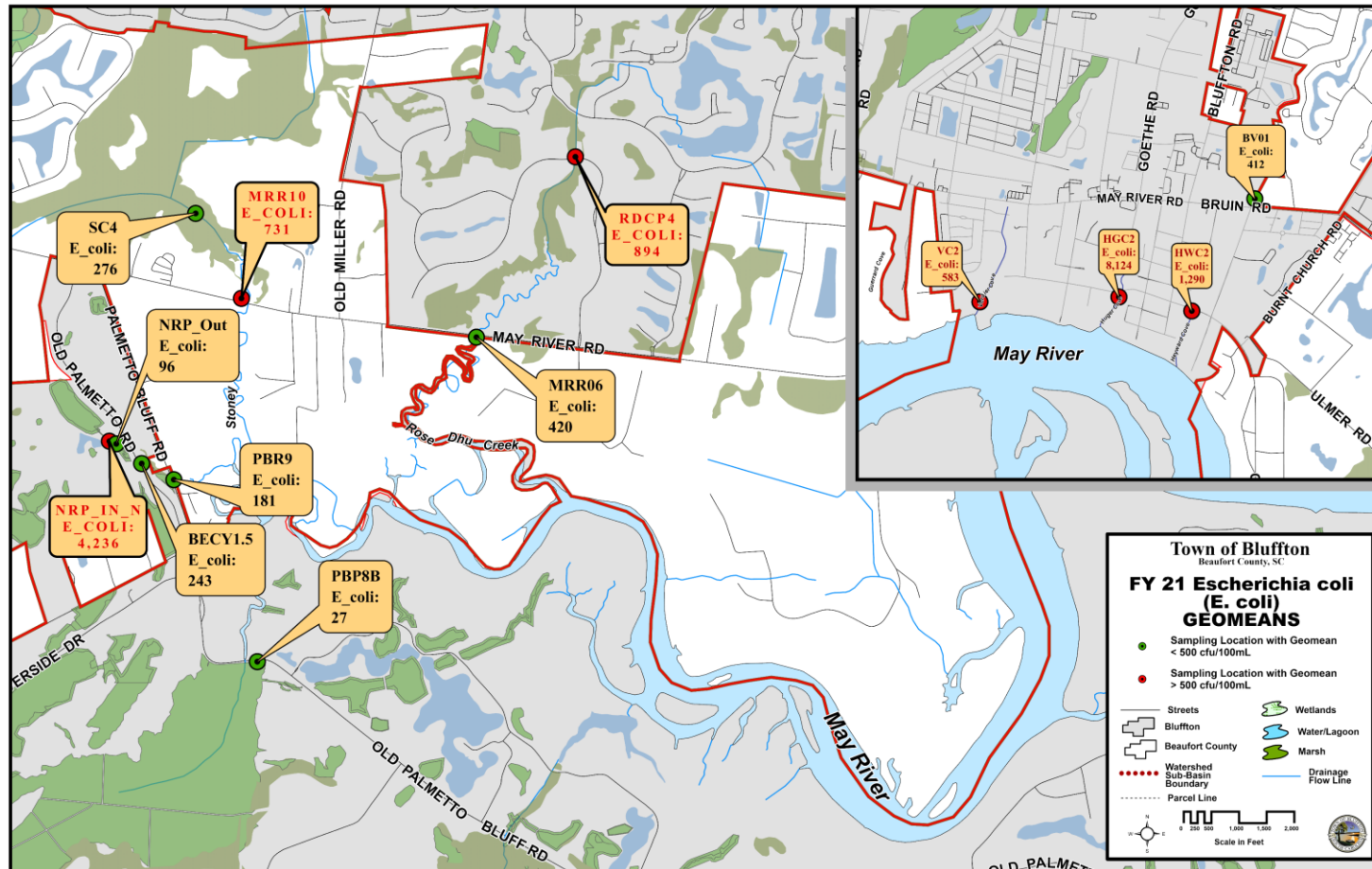
DISCLAIMER
This map was prepared by the Environmental Management Department of the Town of Bluffton. It is intended to provide a general overview of the information presented. It is not intended to be used for legal or engineering purposes. The Town of Bluffton is not responsible for any errors or omissions in this map. The user assumes all liability for any use of this map.



Updated Date: 1/20/2022

Stormwater Infrastructure Inventory Collection Status	
FY 2022 YTD Collection Totals	1655
FY 2021 Collection Totals	2,222
FY 2020 Collection Totals	4,878
FY 2019 Collection Totals	2,925

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



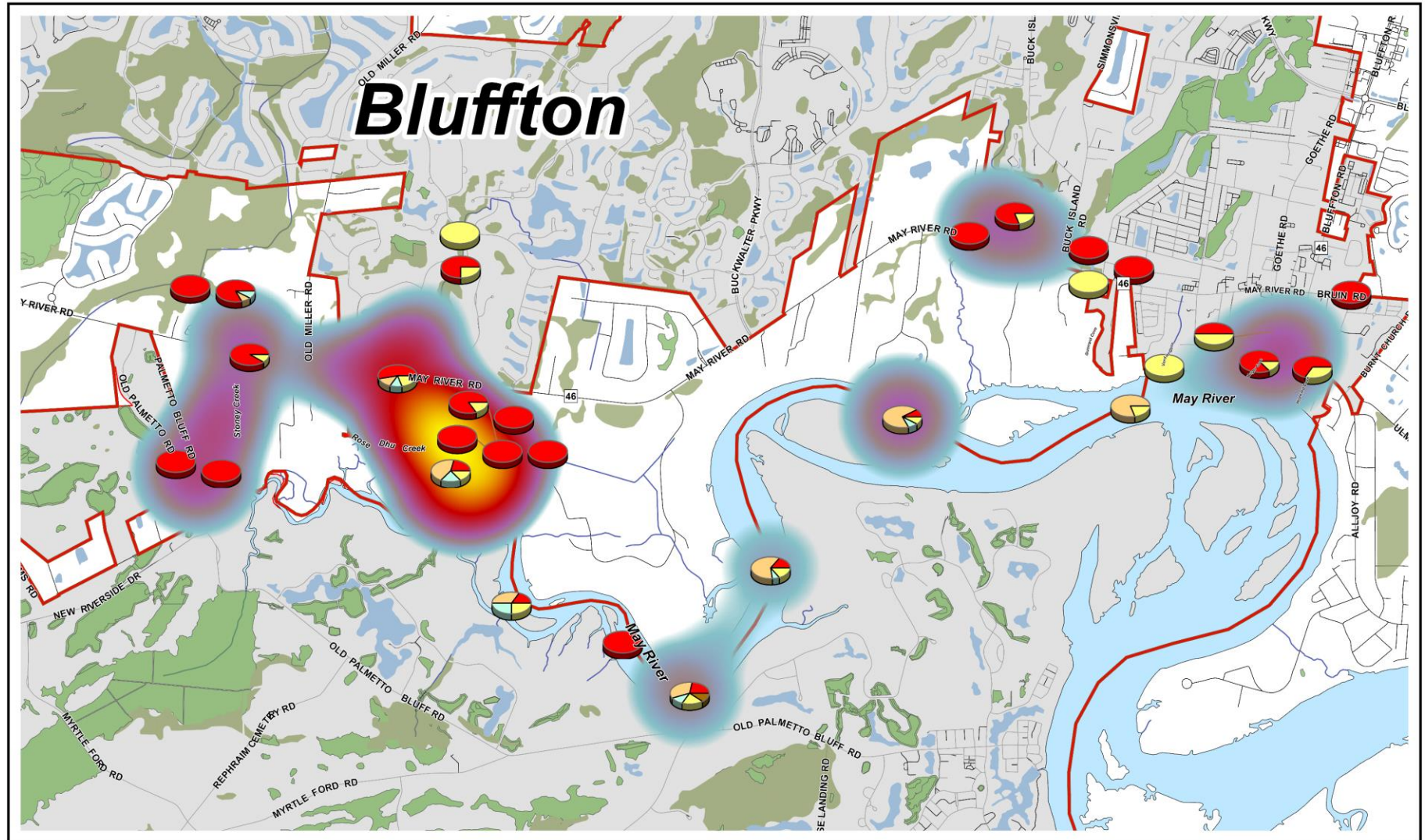
	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2022 YTD Totals	206	46	74
FY 2021 Totals	380	115	179
FY 2020 Totals	223	115	123
FY 2019 Totals	280	193	264

2/17/2022

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

January sampling canceled due to USCB-WQL relocation and Covid-19. All sampling will resume in February 2022.

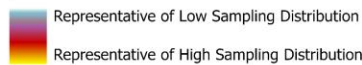
MS4 Minimum Control Measure #3 – IDDE: Microbial Source Tracking (MST) Trend Map



MST Sampling Results MST Sampling Sites



Intensity of samples



MICROBIAL SOURCE TRACKING (MST) LOCATIONS

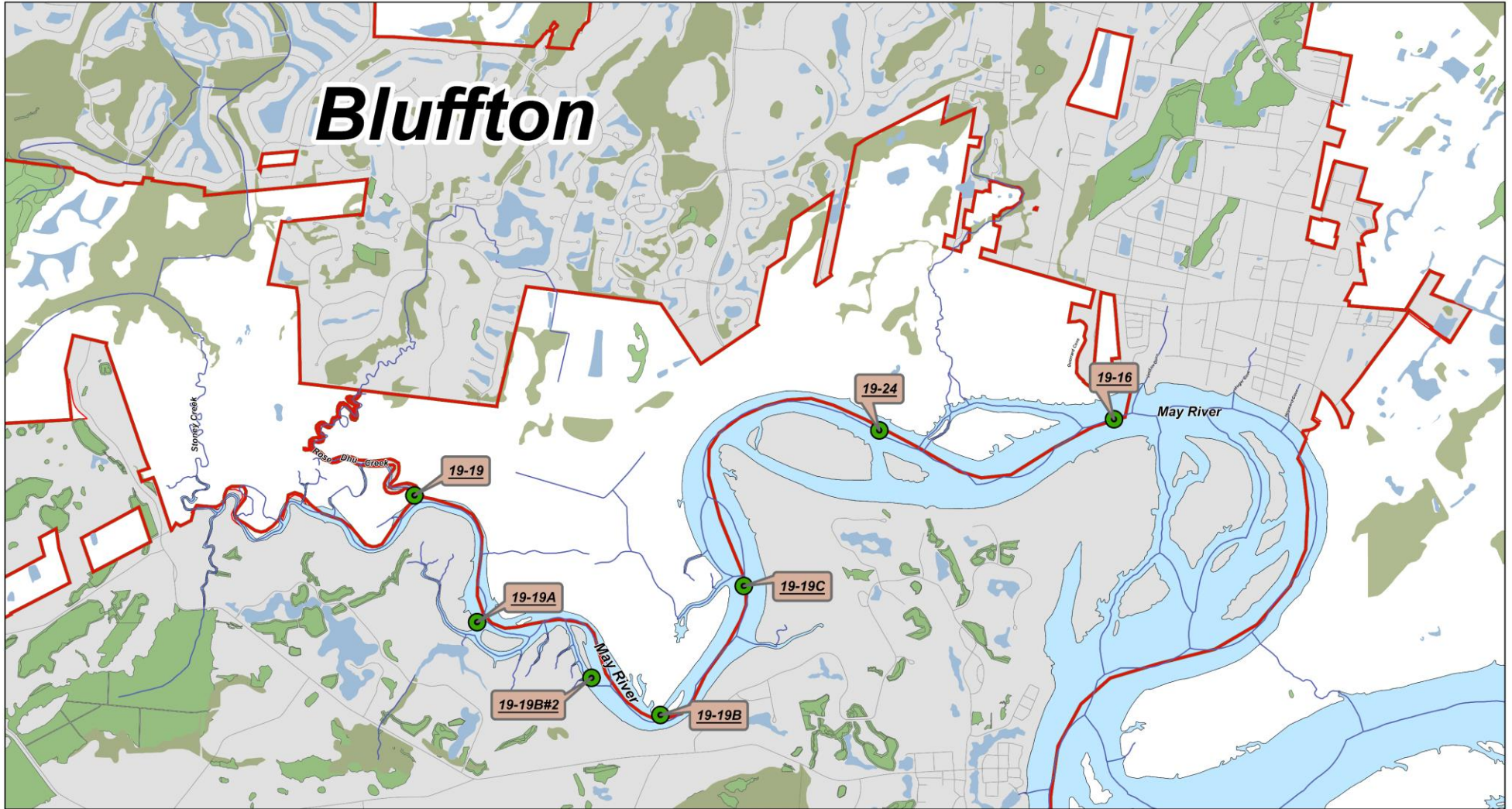
Samples at Sites With Positive Detection
and the Intensity of Positive Hits

Town of Bluffton
Beaufort County, SC



Updated Date: 1/20/2022

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

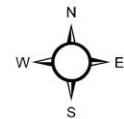


MICROBIAL SOURCE TRACKING LOCATIONS

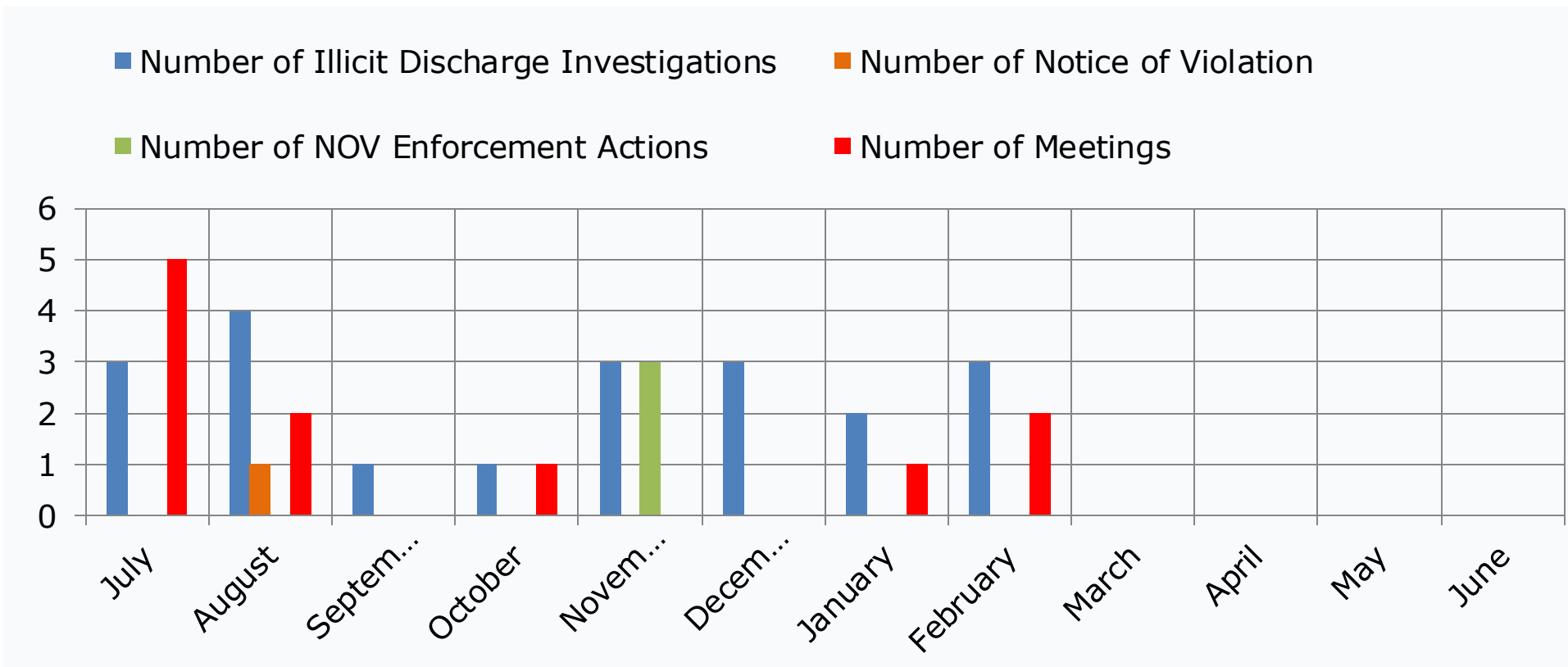
Sampling Results November 2021

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

Town of Bluffton
Beaufort County, SC

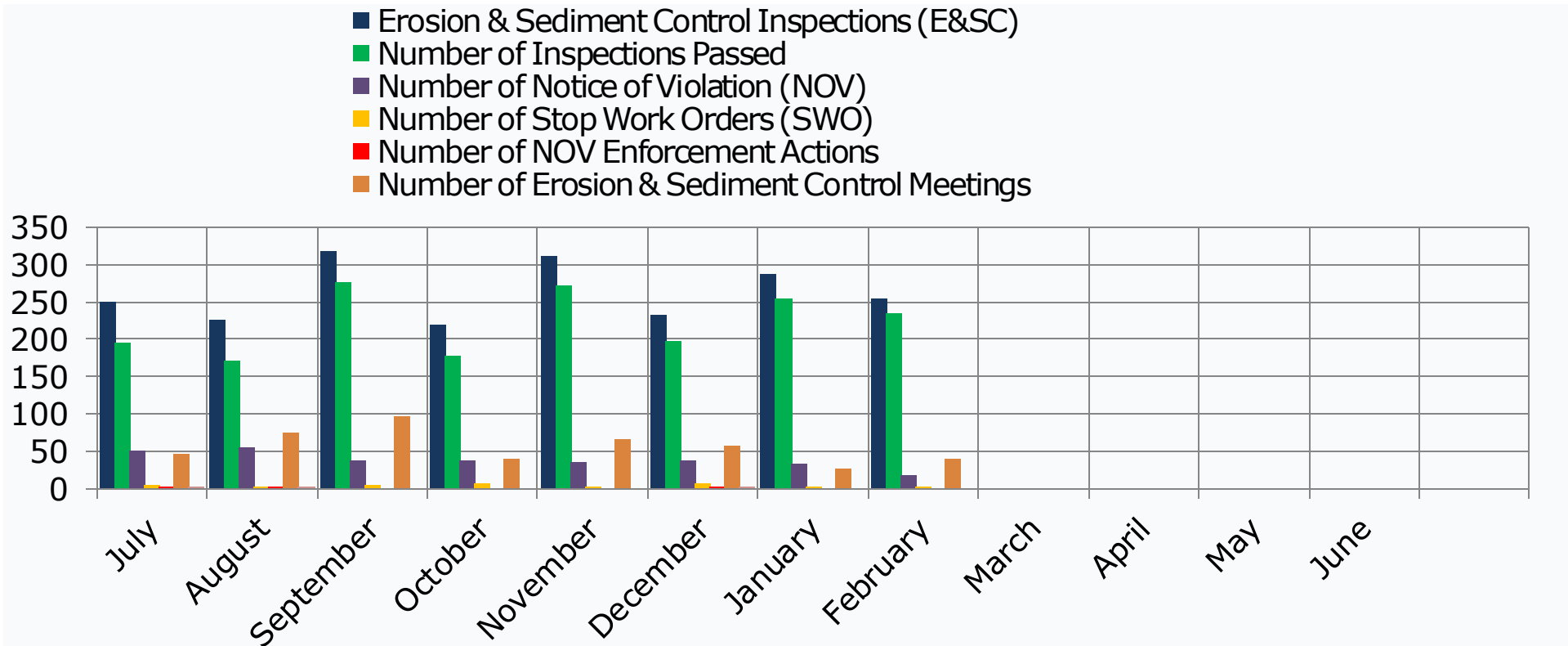


MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations



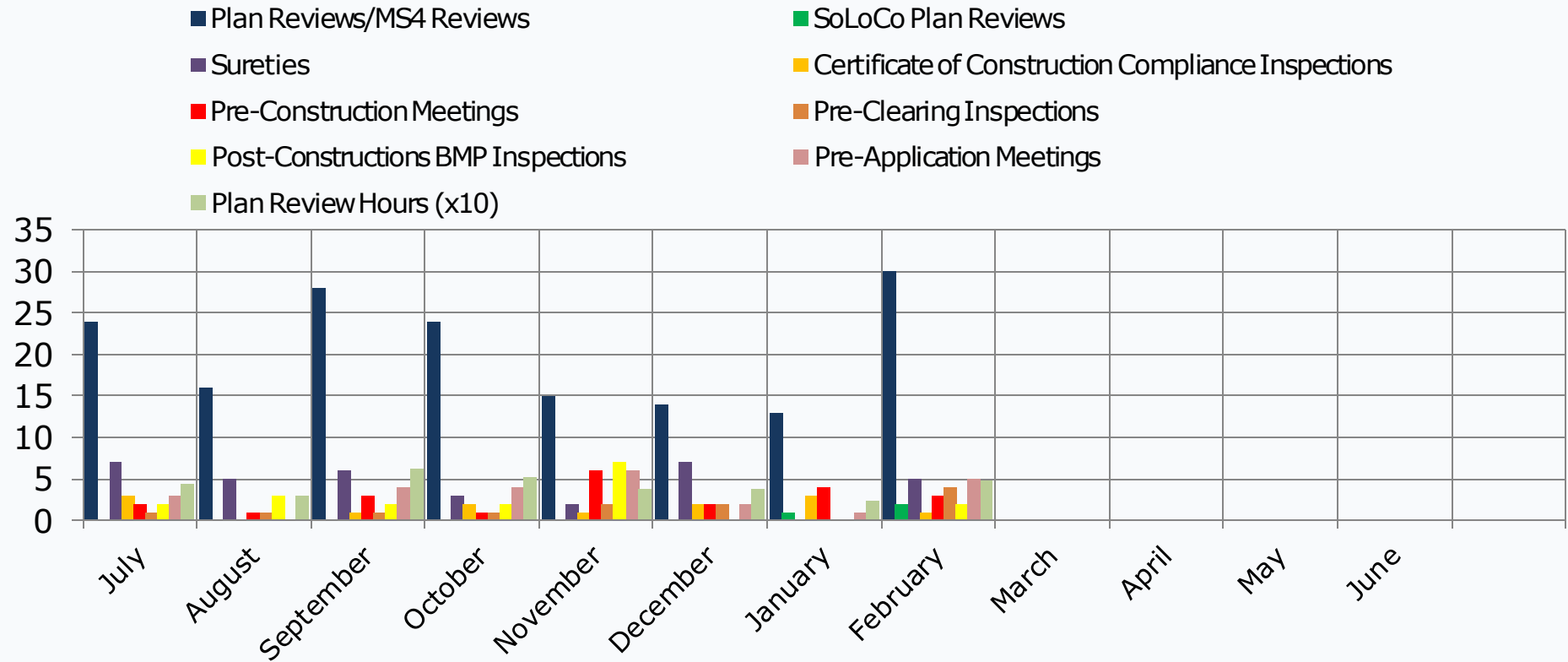
	Number of Illicit Discharge Investigations	Number of Notices of Violation Issued	Number of NOV Enforcement Actions	Number of Meetings
FY 2022 YTD Totals	17	1	3	9
FY 2021 Totals	36	11	1	29
FY 2020 Totals	45	8	6	49
FY 2019 Totals	38	3	1	61

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



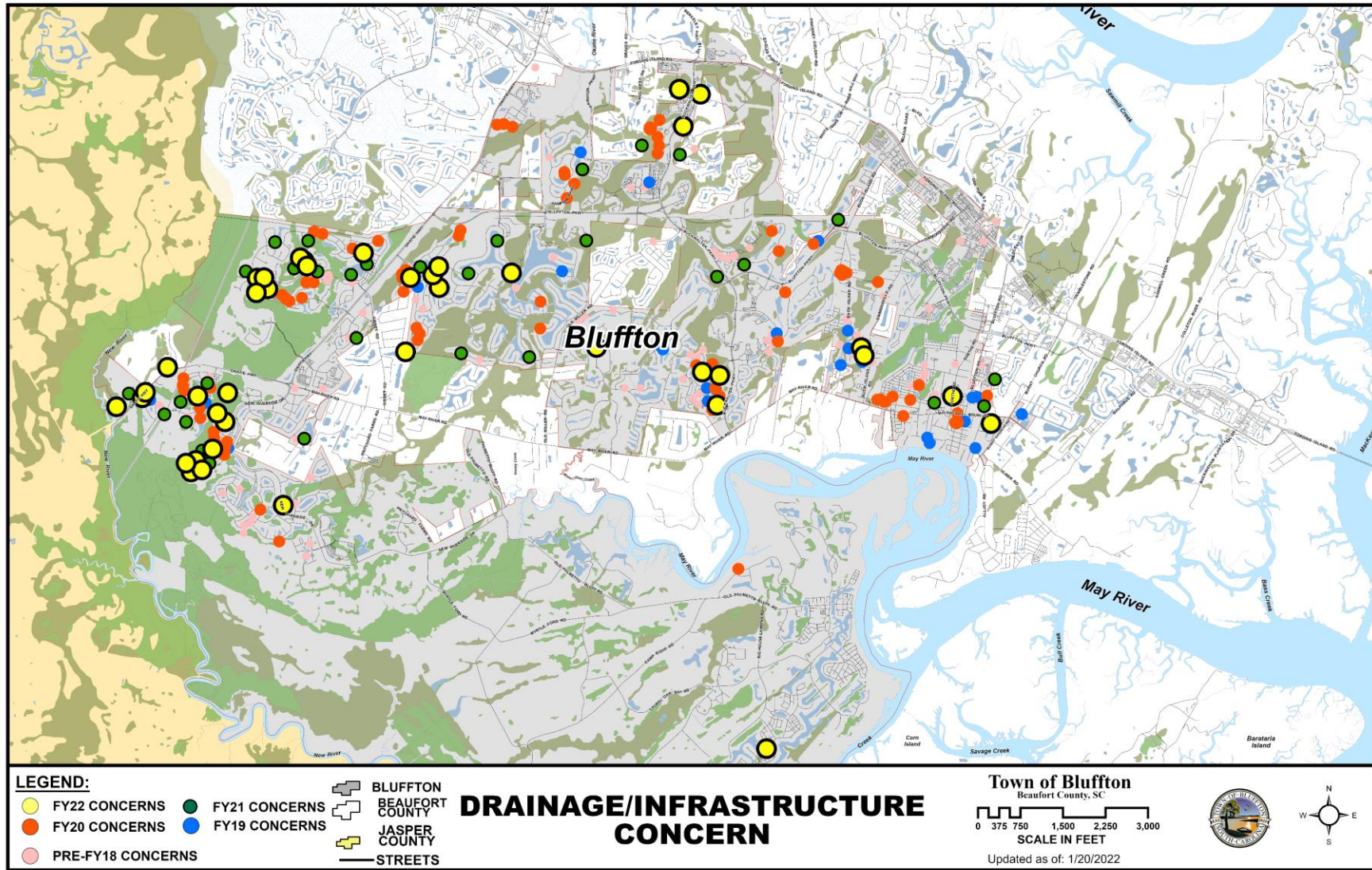
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NOVs Issued	Number of SWO Issued	Number of NOV Enforcement Actions	Number of E&SC Meetings
FY 2022 YTD Totals	2104	1782	303	35	6	448
FY 2021 Totals	1,805	1,527	267	32	4	413
FY 2020 Totals	1,517	1187	185	16	9	496

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



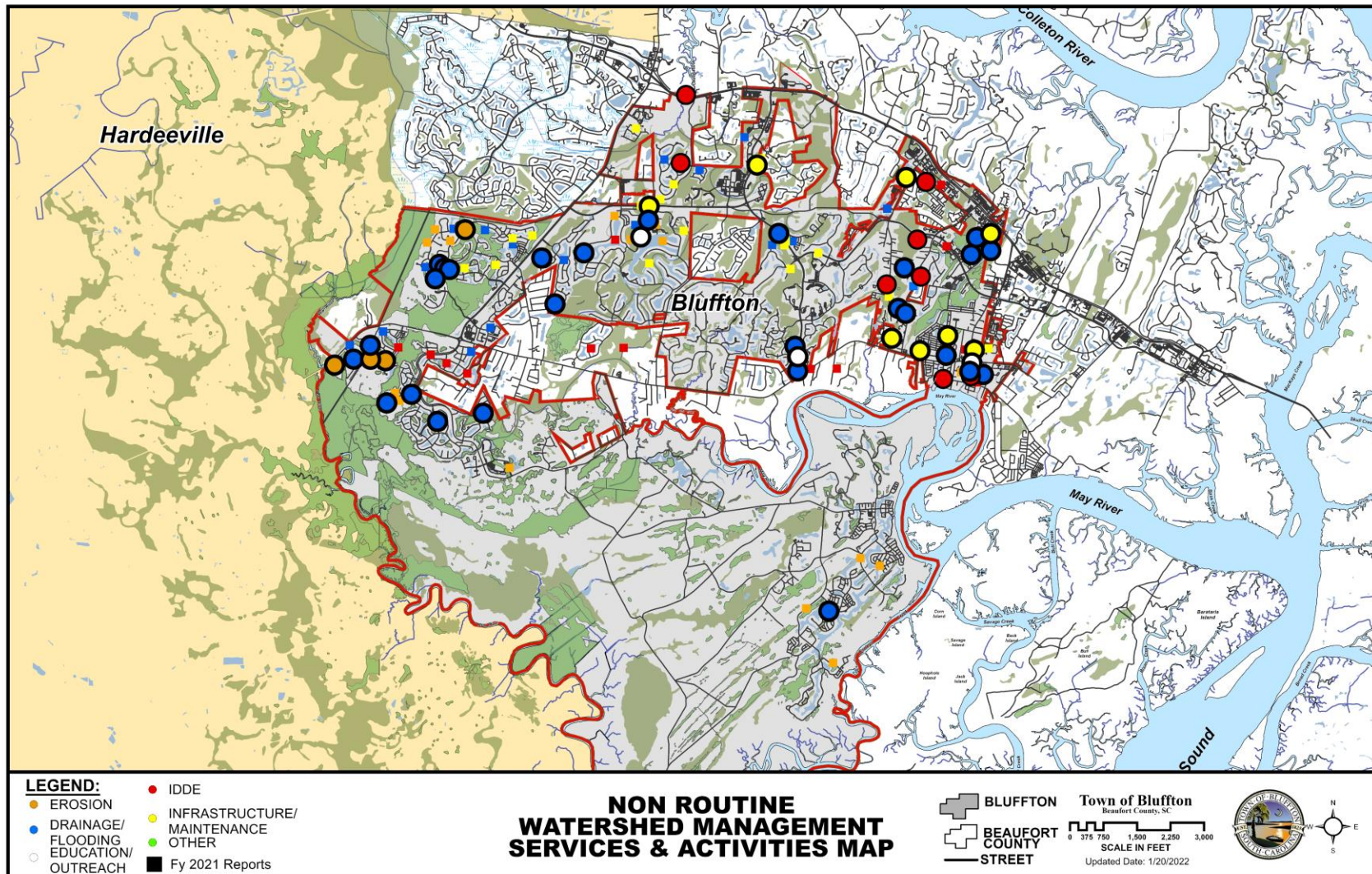
	Plan Reviews MS4 Reviews	SoLoCo Plan Reviews	Sureties	CCC Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2022 YTD Totals	164	3	35	13	22	12	18	25	338 Hrs.
FY 2021 Totals	186	0	61	55	24	24	22	41	789 Hrs.
FY 2020 Totals	176	0	53	46	36	17	8	36	1,040 Hrs.

Citizen Drainage, Maintenance and Inspections Concerns Map



	Number of Drainage Concerns Investigated	Number of Meetings
FY 2022 YTD Totals	26	26
FY 2021 Totals	45	39
FY 2020 Totals	68	76

Citizen Request for Watershed Mngt. Services & Activities Map



	Number of Citizen Requests Investigated	Number of Meetings
FY 2022 YTD Totals	26	21
FY 2021 Totals	46	36
FY 2020 Totals	99	102

BRIDGE STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020 A S O N D J F M A M J J A S O N D 2021 J F M A M J J A S O N D 2022 J F M A M
1	BRIDGE STREET STREETScape	681 days	Mon 9/2/19	Mon 4/11/22	◆—————◆
2	Planning and Conceptual Design	233 days	Mon 9/2/19	Wed 7/22/20	◆—————◆
17	Final Design	338 days	Wed 7/22/20	Fri 11/5/21	◆—————◆
23	Permitting	155 days	Mon 5/3/21	Fri 12/3/21	◆—————◆
28	Easements and Land Acquisition	200 days	Mon 4/19/21	Fri 1/21/22	◆—————◆
35	Bidding	71 days	Mon 1/3/22	Mon 4/11/22	◆—————◆

Project: 00082 Date: Wed 2/23/22	Milestone	◆	Project Duration	◆—————◆	Permitting	◆—————◆	Construction	◆—————◆
	Critical Task	★	Planning and Conceptual Design	◆—————◆	Easements and Land Acquisition	◆—————◆		
	Task	█	Final Design and Construction Documents	◆—————◆	Bidding and Contracts	◆—————◆		

PARK IMPROVEMENTS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	7/18	7/25	8/1	8/8	8/15	8/22	8/29	9/5	9/12	9/19	9/26	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19	12/26	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	2/27	3/6	3/13	3/20
1	PARK IMPROVEMENTS FY 22	165 days	Mon 7/26/21	Fri 3/11/22	◆																																			
2	Final Planning and Construction Documents	55 days	Mon 7/26/21	Fri 10/8/21	◆																																			
8	Bidding and Contracts	55 days	Mon 10/11/21	Fri 12/24/21	◆																																			
16	Construction	35 days	Mon 1/24/22	Fri 3/11/22	◆																																			

Project 00086 Wed 2/23/22	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

NEW RIVER TRAIL
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	July	August	September	October	November	December	January	February	March	April	May	June	July	August
					B M E	B M E	B M E	B M E	B M E	B M E	B M E	B M E	B M E	B M E	B M E	B M E	B M E	B M E
1	NEW RIVER TRAIL	287 days	Mon 7/5/21	Tue 8/9/22	◆—————◆													
2	Planning	121 days	Mon 7/5/21	Mon 12/20/21	◆—————◆													
14	Final Planning and Construction Documents	80 days	Mon 1/3/22	Fri 4/22/22	◆—————◆													
24	Permitting	40 days	Mon 3/14/22	Fri 5/6/22	◆—————◆													
29	Bidding and Contracts	72 days	Mon 5/2/22	Tue 8/9/22	◆—————◆													

Project 00092 Tue 10/5/21	Milestone	◆	Project Duration	◆—————◆	Permitting	◆—————◆	Construction	◆—————◆
	Critical Task	★	Planning and Conceptual Design	◆—————◆	Easements and Land Acquisition	◆—————◆		
	Task	■	Final Design and Construction Documents	◆—————◆	Bidding and Contracts	◆—————◆		

GHOST ROADS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020												2021												2022											
					Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
1	GHOST ROADS	765 days	Thu 9/12/19	Wed 8/17/22	◆																																			
2	Planning and Conceptual Design	765 days	Thu 9/12/19	Wed 8/17/22	◆																																			

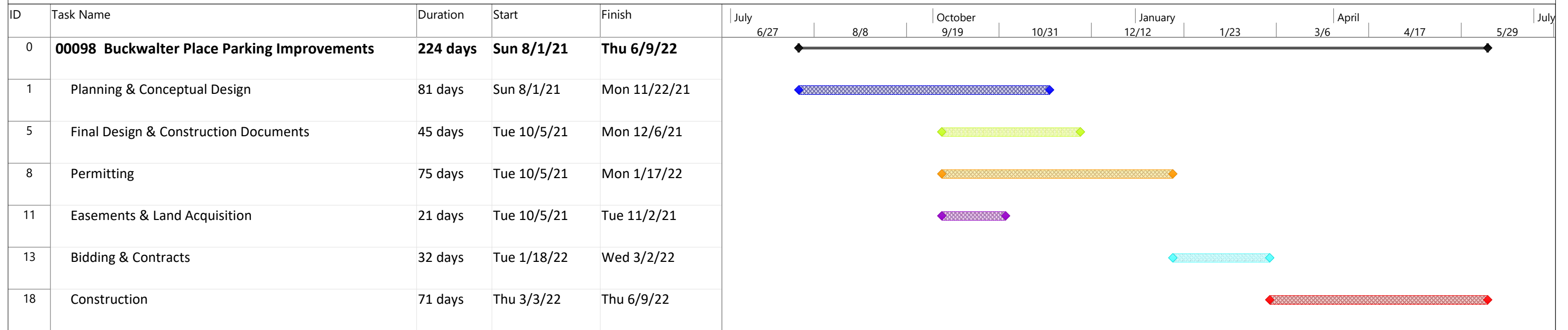
Project: 00093 Date: Wed 11/24/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

BOUNDARY STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Septem	October	Novemb	Decemb	January	Februar	March	April	May	June	July	August	Septem	October	Novemb	Decemb	January	Februar	March	April	May	June	July	August	Septem	October						
					B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M
1	BOUNDARY STREET STREETScape	561 days	Mon 9/7/20	Mon 10/31/22	◆																															
2	Planning and Conceptual Design	379 days	Mon 9/7/20	Thu 2/17/22	◆																															
14	Final Planning and Construction Documents	444 days	Wed 2/17/21	Mon 10/31/22	◆																															
27	Permitting Phase	264 days	Mon 8/9/21	Thu 8/11/22	◆																															
32	Easements and Land Acquisition	116 days	Fri 5/13/22	Fri 10/21/22	◆																															

Project: 00094	Milestone	◆	Task	█	Planning and Conceptual Design	◆	Permitting	◆	Easements and Land Acquisitions	◆
Date: Wed 2/23/22	Critical Task	★	Project Duration	◆	Final Design and Construction Documents	◆	Bidding and Contract	◆	Construction	◆

**BUCKWALTER PLACE PARKING IMPROVEMENTS
PROPOSED SCHEDULE**



Project: 00098 Date: Thu 10/21/21	Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
	Critical Task	★	Planning and Conceptual Design		Easements and Land Acquisition			
	Task		Final Design and Construction Documents		Bidding and Contracts			

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

ID	Task Name	Duration	Start	Finish	21	Qtr 3, 2021	Qtr 4, 2021	Qtr 1, 2022	Qtr 2, 2022	Qtr 3, 2022	Qtr 4, 2022	Qtr 1, 2023	Qtr 2, 2023	Qtr 3, 2023	Qtr 4, 2023	Qtr 1, 2024	Qtr 2, 2024	Qtr 3, 2024	Qtr 4, 2024	Qtr 1, 2025	Qtr 2, 2025	Qtr 3, 2025	Qtr 4, 2025	Qtr 1, 2026	Qtr 2, 2026	Qtr 3,												
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Comprehensive Drainage Plan Improvements	1304 days	Thu 7/1/21	Tue 6/30/26																																		
2	Asset Inventory and H/H Model	731 days	Mon 8/2/21	Mon 5/20/24																																		
3	Final Design Drainage Projects	566 days	Mon 5/1/23	Mon 6/30/25																																		
4	Comprehensive Drainage Projects Bid and Award	350 days	Mon 7/1/24	Fri 10/31/25																																		
5	Comprehensive Drainage Construction	483 days	Fri 8/23/24	Tue 6/30/26																																		

Project: 00044
Date: Fri 10/29/21

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

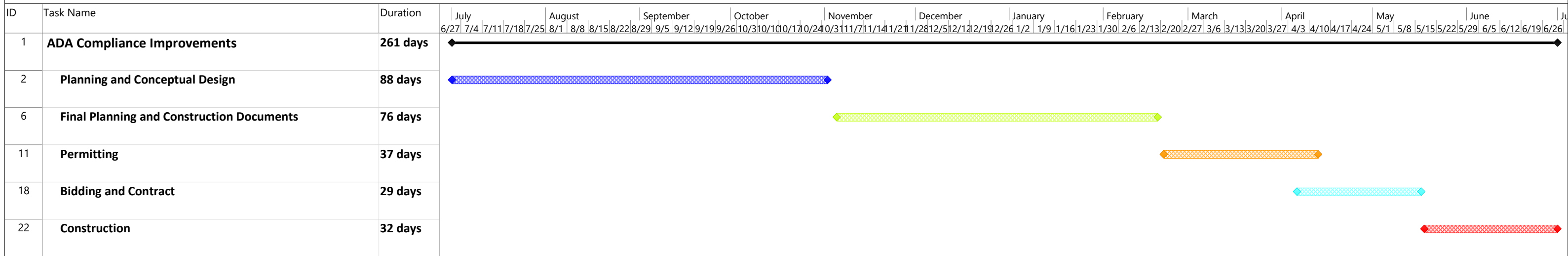
BUCK ISLAND-SIMMONSVILLE SANITARY SEWER PHASE 5 A-D
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecessors	Timeline																							
						4, 2016 Nov Dec	Qtr 1, 2017 Jan Feb Mar	Qtr 2, 2017 Apr May Jun	Qtr 3, 2017 Jul Aug Sep	Qtr 4, 2017 Oct Nov Dec	Qtr 1, 2018 Jan Feb Mar	Qtr 2, 2018 Apr May Jun	Qtr 3, 2018 Jul Aug Sep	Qtr 4, 2018 Oct Nov Dec	Qtr 1, 2019 Jan Feb Mar	Qtr 2, 2019 Apr May Jun	Qtr 3, 2019 Jul Aug Sep	Qtr 4, 2019 Oct Nov Dec	Qtr 1, 2020 Jan Feb Mar	Qtr 2, 2020 Apr May Jun	Qtr 3, 2020 Jul Aug Sep	Qtr 4, 2020 Oct Nov Dec	Qtr 1, 2021 Jan Feb Mar	Qtr 2, 2021 Apr May Jun	Qtr 3, 2021 Jul Aug Sep	Qtr 4, 2021 Oct Nov Dec	Qtr 1, 2022 Jan Feb Mar	Qtr 2, 2022 Apr May Jun	Qtr 3, 2022 Jul Aug Sep
1	PHASE 5 A-D	1560 days?	Thu 12/1/16	Wed 11/23/22		◆																							
2	Planning and Conceptual Design	6 days	Thu 12/1/16	Thu 12/8/16		◆																							
4	Permitting	474 days	Fri 12/9/16	Wed 10/3/18		◆																							
11	Easements and Land Acquisition	642 days	Mon 4/3/17	Tue 9/17/19		◆																							
16	Bidding and Contracts	50 days	Wed 1/1/20	Tue 3/10/20		◆																							
21	Construction	568 days	Mon 9/21/20	Wed 11/23/22		◆																							
41																													
42																													

Project: 00044
Date: Wed 11/24/21

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

HISTORIC DISTRICT STREETScape AND DRAINAGE IMPROVEMENTS
PROPOSED SCHEDULE



Project: 00050
Date: Mon 1/24/22

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	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June																																																																				
1	AME Church Rain Garden	412 days	Wed 10/28/20	9/27	10/4	10/11	10/18	10/25	11/1	11/8	11/15	11/22	11/29	12/6	12/13	12/20	12/27	1/3	1/10	1/17	1/24	1/31	2/7	2/14	2/21	2/28	3/7	3/14	3/21	3/28	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27	7/4	7/11	7/18	7/25	8/1	8/8	8/15	8/22	8/29	9/5	9/12	9/19	9/26	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19	12/26	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	2/27	3/6	3/13	3/20	3/27	4/3	4/10	4/17	4/24	5/1	5/8	5/15	5/22	5/29	6/5
2	Final Design and Construction Documents	209 days	Wed 10/28/20	◆																																																																																								
5	Bidding and Contracts	144 days	Mon 8/16/21	◆																																																																																								
11	Construction	60 days	Fri 3/4/22	◆																																																																																								

Project: 00050 AME
Date: Mon 1/24/22

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

BUCK ISLAND-SIMMONSVILLE NEIGHBORHOOD SIDEWALKS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2018												2019												2020												2021												2022											
					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
1	SIDEWALKS AND LIGHTING	1247 days	Thu 2/1/18	Fri 11/11/22	◆																																																											
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	◆																																																											
26																																																																
27	Sidewalk from Kitty Road to 301 Buck Island R	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	◆																																																											
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)	1075 days	Mon 10/1/18	Fri 11/11/22	◆																																																											
82	Final Design and Construction Documents	851 days	Mon 10/1/18	Mon 1/3/22	◆																																																											
88	Permitting	60 days	Tue 1/4/22	Mon 3/28/22	◆																																																											
90	Easements	86 days	Tue 3/29/22	Tue 7/26/22	◆																																																											
95	Bidding/Contract	61 days	Tue 3/29/22	Tue 6/21/22	◆																																																											
100	Construction	103 days	Wed 6/22/22	Fri 11/11/22	◆																																																											
107																																																																
108	Lighting from Kitty Road to 301 Buck Island Rd	157 days	Thu 5/13/21	Fri 12/17/21	◆																																																											

Project: 00054	Milestone	◆	Project Duration	◆	Permitting	◆	Construction
Date: Thu 12/16/21	Critical Task	★	Planning and Conceptual Design	◆	Bidding and Contract	◆	
	Task	■	Final Design and Construction Documents	◆	Easements and Land Acquisitions	◆	

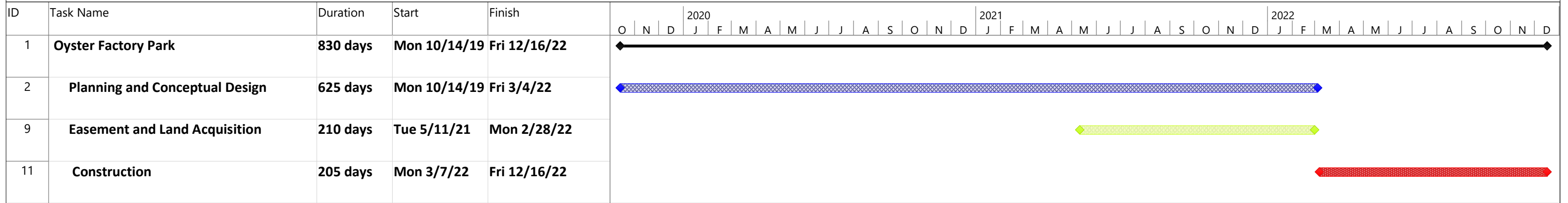
**GOETHE-SHULTS NEIGHBORHOOD IMPROVEMENTS PHASE 2
PROPOSED SCHEDULE**

ID	Task Name	Duration	Start	Finish	2018		Half 2, 2018			Half 1, 2019			Half 2, 2019			Half 1, 2020			Half 2, 2020			Half 1, 2021			Half 2, 2021			Half 1,				
					Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan				
1	GOETHE/SHULTS NEIGHBORHOOD IMPROVEMENTS PHASE 2	970 days	Mon 4/30/18	Fri 1/14/22																												
2	PLANNING AND CONCEPTUAL DESIGN	326 days	Mon 4/30/18	Mon 7/29/19																												
12	FINAL DESIGN AND CONSTRUCTION DOCUMENTS	209 days	Tue 7/30/19	Fri 5/15/20																												
21	PERMITTING	128 days	Mon 5/18/20	Wed 11/11/20																												
25	EASEMENTS AND LAND ACQUISITION	187 days	Mon 4/6/20	Tue 12/22/20																												
32	BIDDING AND CONTRACTS	101 days	Tue 12/1/20	Tue 4/20/21																												
37	CONSTRUCTION	193 days	Wed 4/21/21	Fri 1/14/22																												

Project: 00055
Date: Fri 10/22/21

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

OYSTER FACTORY PARK
PROPOSED SCHEDULE



Project: 00059
Date: Wed 11/24/21

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

OSCAR FRAZIER PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	August	September	October	November	December	January	February	March	April				
					7/25 8/1 8/8 8/15 8/22 8/29	9/5 9/12 9/19 9/26 10/3 10/10 10/17 10/24	10/31 11/7 11/14 11/21 11/28 12/5 12/12 12/19 12/26	1/2 1/9 1/16 1/23 1/30 2/6 2/13 2/20 2/27	3/6 3/13 3/20 3/27	4/3 4/10							
1	OSCAR FRAZIER PARK FY 22 IMPROVEMENTS	181 days	Mon 7/26/21	Mon 4/4/22	◆—————◆												
2	Final Planning and Construction Documents	60 days	Mon 7/26/21	Fri 10/15/21	◆—————◆												
8	Bidding and Contracts	41 days	Mon 10/18/21	Mon 12/13/21	◆—————◆												
15	Construction	101 days	Mon 11/15/21	Mon 4/4/22	◆—————◆												

Project 00066 Mon 1/3/22	Milestone	◆	Project Duration	◆—————◆	Permitting	◆—————◆	Construction	◆—————◆
	Critical Task	★	Planning and Conceptual Design	◆—————◆	Easements and Land Acquisition	◆—————◆		
	Task	■	Final Design and Construction Documents	◆—————◆	Bidding and Contracts	◆—————◆		

SQUIRE POPE CARRIAGE HOSUE
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Timeline
1	Stabilization Phase	175 days	Thu 7/8/21	Wed 3/9/22	◆-----◆
2	Planning and Conceptual Design	15 days	Thu 7/8/21	Wed 7/28/21	◆-----◆
5	Final Design and Construction Documents	80 days	Thu 7/29/21	Wed 11/17/21	◆-----◆
10	Permitting	30 days	Thu 11/18/21	Wed 12/29/21	◆-----◆
12	Bidding and Contracts	50 days	Thu 12/30/21	Wed 3/9/22	◆-----◆

Project: 00067
Date: Wed 2/23/22

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

WHARF STREET LIGHTING
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Predecessor	2022												2023											
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
1	WARF STREET LIGHTING	453 days	Mon 7/5/21		◆																							
2	Planning and Conceptual Design	360 days	Mon 7/5/21		◆																							
12	Permitting	90 days	Mon 11/22/21		◆																							
14	Easements and Land Acquisition	160 days	Fri 7/1/22		◆																							
17	Construction	192 days	Tue 7/5/22		◆																							

Project: 00068 Date: Mon 9/27/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contract	◆		

BOUNDARY STREET LIGHTING
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020												2021												2022								
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar											
1	BOUNDARY STREET LIGHTING PHASE 2	683 days	Mon 7/8/19	Wed 2/16/22	◆																																
2	Planning and Conceptual Design	661 days	Mon 7/8/19	Mon 1/17/22	◆																																
13	Permitting	90 days	Mon 1/20/20	Fri 5/22/20	◆																																
15	Easements and Land Acquisition	164 days	Tue 6/1/21	Fri 1/14/22	◆																																
18	Construction	118 days	Mon 9/6/21	Wed 2/16/22	◆																																

Project: 00069 Date: Wed 11/24/21	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 2
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Predecessors	Timeline																																																																
						Half 2, 2018	Half 1, 2019	Half 2, 2019	Half 1, 2020	Half 2, 2020	Half 1, 2021	Half 2, 2021	Half 1, 2022	Half 2, 2022																																																								
						J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J
1	PHASE 2	1024 days	Mon 7/2/18	Thu 6/2/22		◆																																																																
2	Planning and Conceptual Design	185 days	Mon 7/2/18	Fri 3/15/19		◆																																																																
10	Final Design and Construction Documents	20 days	Mon 3/18/19	Fri 4/12/19		◆																																																																
12	Permitting	55 days	Mon 4/15/19	Fri 6/28/19		◆																																																																
15	Easements and Land Acquisition	550 days	Mon 7/1/19	Fri 8/6/21		◆																																																																
17	Bidding and Contracts	137 days	Mon 8/9/21	Tue 2/15/22		◆																																																																
22	Construction	77 days	Wed 2/16/22	Thu 6/2/22		◆																																																																

Project: 00071 Date: Wed 11/24/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 3
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022																	
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
1	PHASE 3	534 days	Mon 11/2/20	Thu 11/17/22	◆																													
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	105 days	Tue 9/21/21	Mon 2/14/22	◆																													
17	Bidding and Contracts	46 days	Tue 5/10/22	Tue 7/12/22	◆																													
22	Construction	92 days	Wed 7/13/22	Thu 11/17/22	◆																													

Project: 00072 Date: Wed 11/24/21	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															
					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		
1	PHASE 4	534 days	Mon 11/2/20	Thu 11/17/22	◆																											
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	105 days	Tue 9/21/21	Mon 2/14/22	◆																											
17	Bidding and Contracts	46 days	Tue 5/10/22	Tue 7/12/22	◆																											
22	Construction	92 days	Wed 7/13/22	Thu 11/17/22	◆																											

Project: 00073
Date: Wed 2/23/22

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

HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 5
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021												2022															
					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		
1	PHASE 5	534 days	Mon 11/2/20	Thu 11/17/22	◆																											
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	150 days	Tue 9/21/21	Mon 4/18/22	◆																											
17	Bidding and Contracts	46 days	Tue 5/10/22	Tue 7/12/22	◆																											
22	Construction	92 days	Wed 7/13/22	Thu 11/17/22	◆																											

Project: 00074 Date: Wed 11/24/21	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	2021												2022															
					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		
1	PHASE 6	534 days	Mon 11/2/20	Thu 11/17/22	◆																											
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	150 days	Tue 9/21/21	Mon 4/18/22	◆																											
17	Bidding and Contracts	46 days	Tue 5/10/22	Tue 7/12/22	◆																											
22	Construction	92 days	Wed 7/13/22	Thu 11/17/22	◆																											

Project: 00075 Date: Wed 11/24/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

MAY RIVER ROAD POCKET PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	
1	MAY RIVER ROAD POCKET PARK	278 days	Thu 7/1/21	Mon 7/25/22	
2	Planning and Conceptual Design	46 days	Thu 7/1/21	Thu 9/2/21	
6	Final Planning and Construction Documents	140 days	Fri 9/3/21	Thu 3/17/22	
13	Permitting	94 days	Mon 11/29/21	Thu 4/7/22	
18	Bidding and Contract	48 days	Fri 3/18/22	Tue 5/24/22	
25	Construction	44 days	Wed 5/25/22	Mon 7/25/22	
28					
29					

Project: 00080
Date: Fri 12/3/21

Milestone Task
Critical Task Project Duration

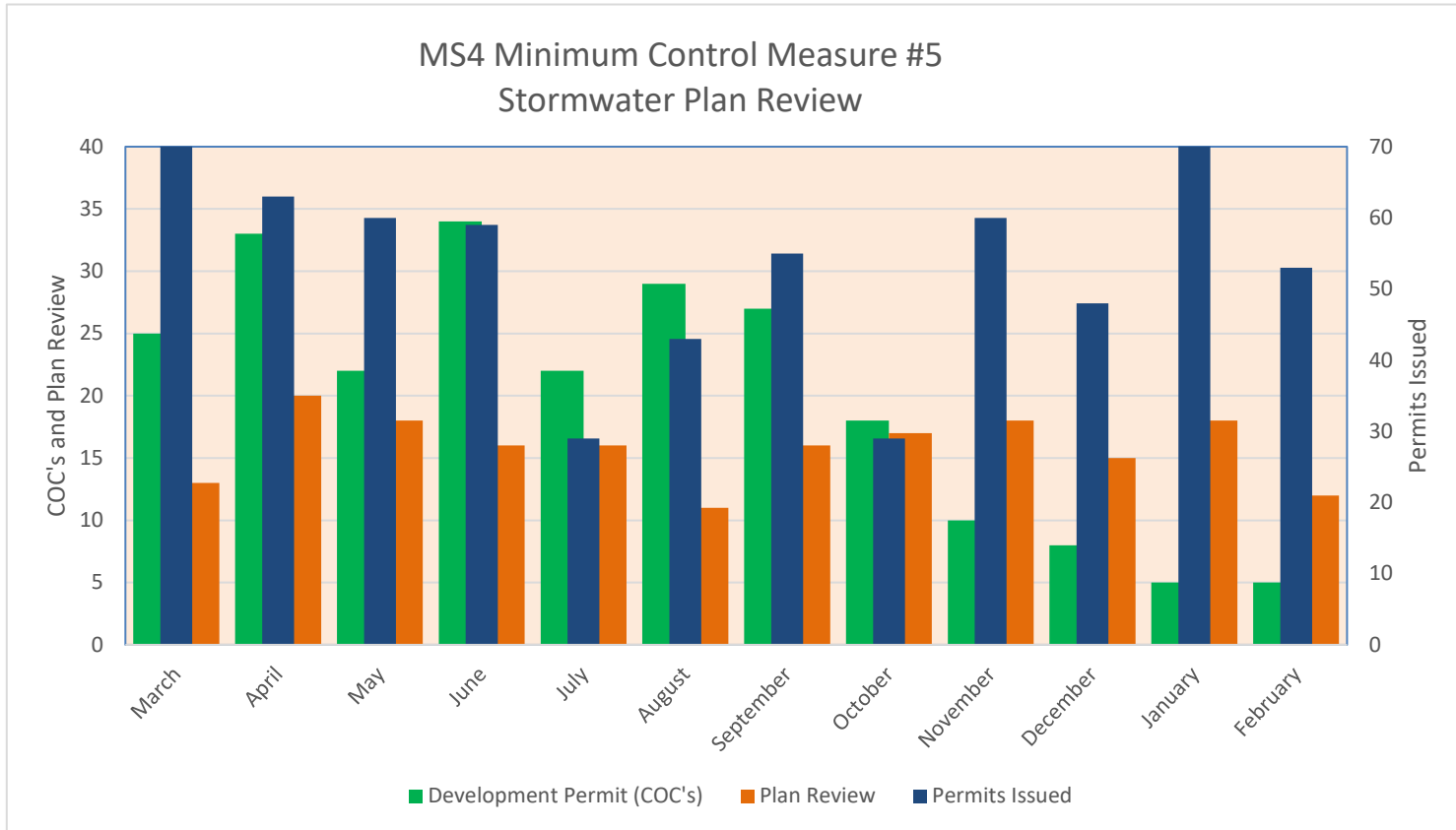
Planning and Conceptual Design Permitting
 Final Design and Construction Documents Bidding and Contract

Easements and Land Acquisitions
 Construction

GARVIN-GARVEY HOUSE INTERPRETIVE SIGNAGE
PROPOSED SCHEDULE

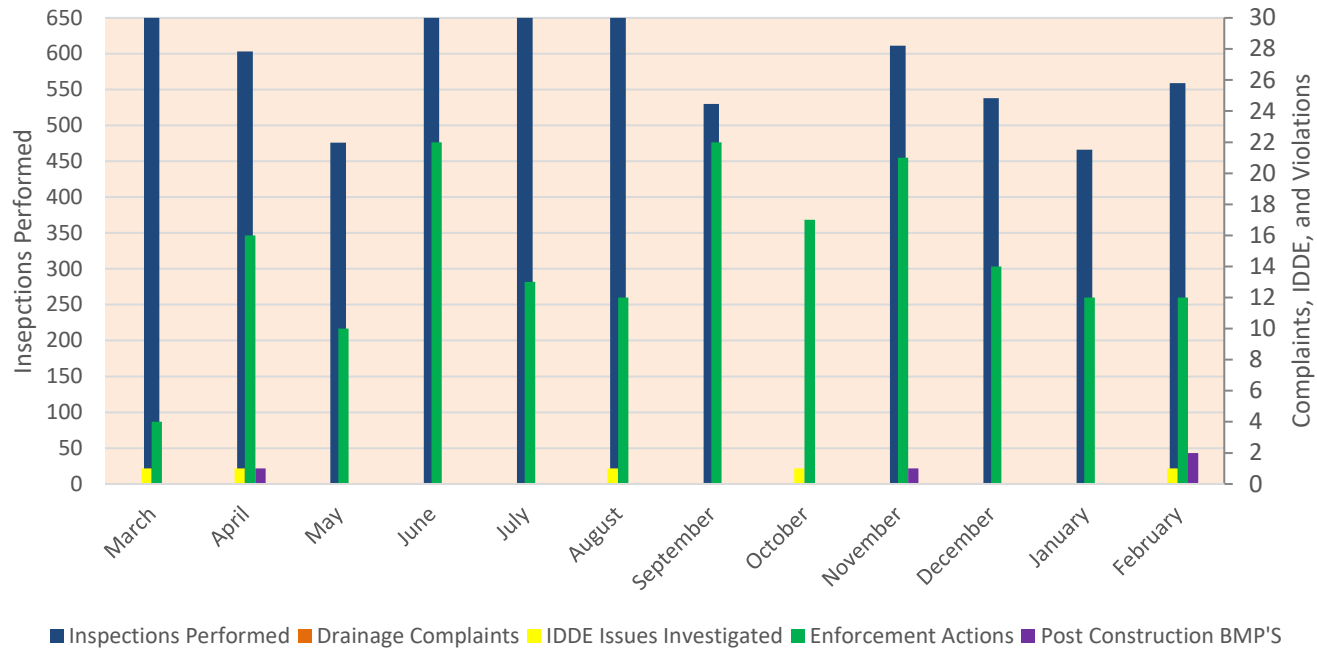
ID	Task Name	Duration	Start	Finish	Timeline																													
					Mar '22	Apr '22	May '22	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22																					
1	GARVIN-GARVEY HOUSE INTERPRETIVE SIGNAGE	179 days	Tue 3/1/22	Fri 11/4/22																														
2	Planning and Conceptual Design	125 days	Mon 3/7/22	Fri 8/26/22																														
13	Final Design and Construction Documents	50 days	Mon 8/29/22	Fri 11/4/22																														
15	Onsite Installation	5 days	Mon 10/31/22	Fri 11/4/22																														
16																																		

Project: 00081 Date: Tue 1/11/22	Milestone	◆	Project Duration	◆————◆	Permitting	◆————◆	Construction	◆————◆
	Critical Task	★	Planning and Conceptual Design	◆————◆	Easements and Land Acquisition	◆————◆		
	Task	■	Final Design and Construction Documents	◆————◆	Bidding and Contracts	◆————◆		



TYPE	March	April	May	June	July	August	September	October	November	December	January	February	Last 12 Months
Development Permit (COC's)	25	33	22	34	22	29	27	18	10	8	5	5	238
Plan Review	13	20	18	16	16	11	16	17	18	15	18	12	190
Permits Issued	75	63	60	59	29	43	55	29	60	48	75	53	413

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	March	April	May	June	July	August	September	October	November	December	January	February	Last 12 Months
Inspections Performed	794	603	476	743	662	654	530	323*	611	538	466	559	4462
Drainage Complaints	0	0	0	0	0	0	0	0	0	0	0	0	0
IDDE Issues Investigated	1	1	0	0	0	1	0	1	0	0	0	1	5
Enforcement Actions	4	16	10	22	13	12	22	17	21	14	12	12	175
Post Construction BMP'S	0	1	0	0	0	0	0	0	1	0	0	2	9



MEMORANDUM

Date: February 25, 2022

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

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

Minor or Routine Projects:

- **Bluffton Tree Removal – Bluffton (4):** The scope of work included removing fallen trees from a roadside ditch, channels and workshelves. The total cost was **\$6,041.71**.
- **Bryant Road and Muddy Creek Road – Hilton Head Island (3):** This project improved 200 linear feet of drainage system. The scope of work included cleaning out 200 linear feet of roadside ditch, jetting (7) driveway pipes, (1) crossline pipe and (1) access pipe. The total cost was **\$4,899.74**.
- **Murray Avenue – Hilton Head Island (3):** This project improved 592 linear feet of drainage system. The scope of work included cleaning out 560 linear feet of roadside ditch. Cleaning out (1) catch basin and jetting (2) driveway pipes, (2) crossline pipes and 32 L.F of roadside pipe. The total cost was **\$4,392.34**.
- **Port Royal Island Valley Drains – Port Royal Island (6):** This project improved 1,750 linear feet of drainage system. The scope of work included cleaning 1,750 linear feet of valley drain. The total cost was **\$1,422.77**.
- **Gillison Loop – Port Royal Island (6):** This project improved 52 linear feet of drainage system. The scope of work included replacing 52 linear feet of channel pipe. Installed rip rap and hydroseeded for erosion control. The total cost was **\$5,555.29**.
- **ToHHI Vacuum Truck – Hilton Head Island (3):** This project improved 20 linear feet of drainage system. The scope of work included cleaning out (4) catch basins and jetting 20 linear feet of channel pipe and (3) crossline pipes. The total cost was **\$4,327.61**.
- **Lady's Island Vacuum Truck – Lady's Island (7):** The scope of work included cleaning out (4) catch basins, jetting (3) crossline pipes and (4) driveway pipes. The total cost was **\$1,866.57**.

Major Projects:

- **Bluffton Vacuum Truck – Bluffton (4):** This project improved 572 linear feet of

drainage system. The scope of work included cleaning out (16) catch basins, jetting (17) crossline pipes, (47) driveway pipes, 230 linear feet of channel pipe and 342 linear feet of roadside pipe. The total cost was **\$28,269.85**.



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Bluffton Tree Removal -
Cherry Point, Ulmer Road, Oyster Street, Palmetto Beach Lane and Simmonsville Road

Activity: Routine/Preventive Maintenance
Duration: 07/07/2021 - 12/03/2021

Narrative Description of Project:

Removed fallen trees from roadside ditch, channels and workshelves.

2022-417/Bluffton Tree Removal	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$31.17	\$0.00	\$0.00	\$0.00	\$19.24	\$50.41
HAUL / Hauling	24.00	\$663.44	\$457.44	\$330.10	\$0.00	\$310.40	\$1,761.38
OCDW / On Call Duty - Worked	4.00	\$87.40	\$42.48	\$7.62	\$0.00	\$53.96	\$191.46
ONJV / Onsite Job Visit	4.00	\$186.04	\$17.40	\$10.12	\$0.00	\$114.84	\$328.40
RMTR / Remove trees-roads	27.00	\$718.67	\$697.83	\$163.33	\$0.00	\$322.58	\$1,902.41
RMTRD / Remove trees - Ditch	8.00	\$186.94	\$42.48	\$10.18	\$0.00	\$0.00	\$239.60
RMTRW / Remove trees - Workshelf	4.00	\$80.80	\$17.40	\$7.68	\$0.00	\$0.00	\$105.88
RSDCL / Roadside Ditch - Cleanout	40.00	\$845.21	\$311.92	\$97.04	\$0.00	\$208.00	\$1,462.17
Grand Total	112.00	\$2,799.66	\$1,586.95	\$626.07	\$0.00	\$1,029.02	\$6,041.71

(No Pictures Available)



Project: Bluffton Tree Removal- Cherry Point Road Map #1

Activity: Routine/ Preventive Maintenance














Project #: 2022-417

Township/SW Dist: Bluffton/4

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

0 120 240 480 720 960
 Feet

1 inch = 670 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/02/22

File: C:\project summaries map\Bluffton Tree Removal-Cherry Point Road Map #1_2022-417



Project: Bluffton Tree Removal- Ulmer Road Map #2

Activity: Routine/ Preventive Maintenance














Project #: 2022-417

Township/SW Dist: Bluffton/4

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 95190 380 570 760
 Feet

1 inch = 550 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/02/22

File: C:\project summaries map\Bluffton Tree Removal- Ulmer Road Map #2_2022-417



Project: Bluffton Tree Removal- Oyster Street Map #3

Activity: Routine/ Preventive Maintenance














Project #: 2022-417

Township/SW Dist: Bluffton/4

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

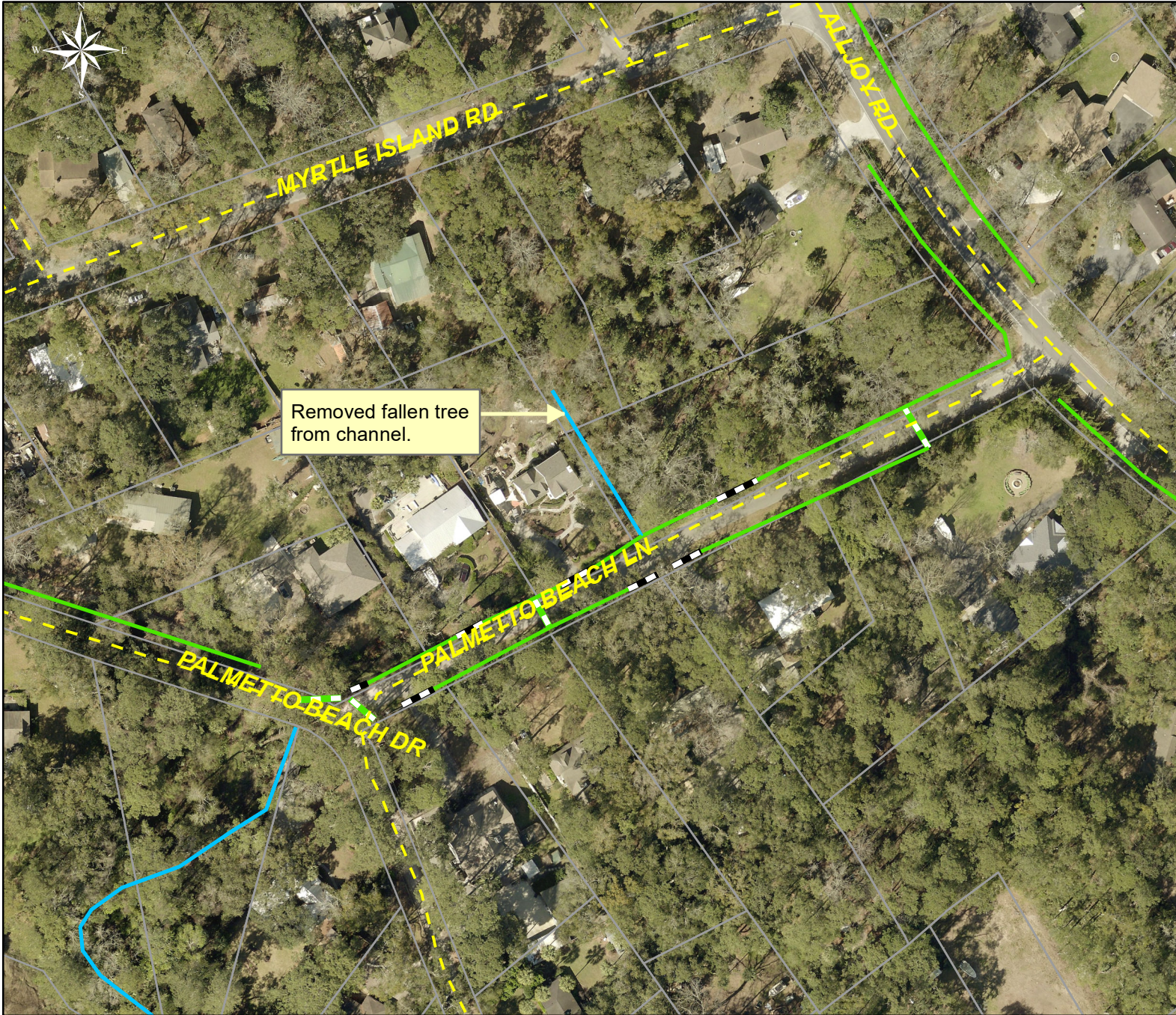
0 30 60 120 180 240 Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/02/22

File: C:\project summaries map\Bluffton Tree Removal- Oyster Street Map #3_2022-417



Project: Bluffton Tree Removal- Palmetto Beach Lane Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2022-417

Township/SW Dist: Bluffton/4

Completed: December 2021

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



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/02/22

File: C:\project summaries map\Bluffton Tree Removal- Palmetto Beach Lane Map #4_2022-417



Project: Bluffton Tree Removal- Simmonsville Road Channel Map #5

Activity: Routine/ Preventive Maintenance














Project #: 2022-417

Township/SW Dist: Bluffton/4

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

0 150 300 600 900 1,200 Feet

1 inch = 830 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/02/22

File: C:\project summaries map\Bluffton Tree Removal- Simmonsville Road Channel Map #5_2022-417



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Bryant Road and Muddy Creek Road

Activity: Routine/Preventive Maintenance

Duration: 03/10/2021 - 04/12/2021

Narrative Description of Project:

This project improved 200 L.F. of drainage system. Cleaned out 200 L.F. of roadside ditch. Jetted (7) driveway pipes, (1) crossline pipe and (1) access pipe.

2021-535 / Bryant Road and Muddy Creek Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	\$15.59	\$0.00	\$0.00	\$0.00	\$9.62	\$25.21
DPJT / Driveway Pipe - Jetted	16.00	\$407.68	\$306.56	\$88.28	\$0.00	\$188.24	\$990.76
HAUL / Hauling	16.00	\$356.32	\$304.96	\$76.84	\$0.00	\$324.80	\$1,062.92
PRRECON / Project Reconnaissance	4.00	\$167.80	\$8.58	\$11.20	\$0.00	\$83.76	\$271.34
RSDCL / Roadside Ditch - Cleanout	32.00	\$651.76	\$112.54	\$85.16	\$0.00	\$346.00	\$1,195.46
SG / Shoot Grade	30.00	\$622.20	\$69.60	\$71.68	\$0.00	\$319.54	\$1,083.02
UTLOC / Utility locates	4.00	\$167.80	\$8.58	\$10.90	\$0.00	\$83.76	\$271.04
Grand Total	102.50	\$2,389.15	\$810.82	\$344.06	\$0.00	\$1,355.72	\$4,899.74

(Before)



(During)



(After)





Project: Muddy
Creek Road and
Bryant Road
Map #1

Activity: Routine/
Preventive
Maintenance

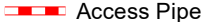












Project #:
2021-535

Township/SW Dist:
Hilton Head Island/3

Completed:
April 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: 05/03/21

File: C:\project summaries map\Muddy Creek Road and Bryant Road Map #1_2021-535



Project: Muddy
Creek Road and
Bryant Road
Map #2

Activity: Routine/
Preventive
Maintenance

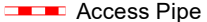












Project #:
2021-535

Township/SW Dist:
Hilton Head Island/3

Completed:
April 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: 05/03/21

File: C:\project summaries map\Muddy Creek Road and Bryant Road Map #2_2021-535



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Murray Avenue

Activity: Routine/Preventive Maintenance

Duration: 03/10/2021 - 04/15/2021

Narrative Description of Project:

This project improved 560 L.F. of drainage system. Cleaned out 560 L.F. of roadside ditch. Cleaned out (1) catch basin and jetted (2) driveway pipes, (2) crossline pipes and 32 L.F. of roadside pipe.

2021-536/Murray Avenue

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$27.94	\$0.00	\$0.00	\$0.00	\$16.24	\$44.17
CBCO / Catch basin - clean out	16.00	\$361.24	\$170.68	\$70.68	\$0.00	\$161.28	\$763.88
DPJT / Driveway Pipe - Jetted	16.00	\$356.48	\$306.56	\$71.50	\$0.00	\$322.56	\$1,057.10
HAUL / Hauling	4.00	\$105.04	\$76.24	\$56.50	\$0.00	\$0.00	\$237.78
RSDCL / Roadside Ditch - Cleanout	60.00	\$1,218.48	\$232.68	\$128.44	\$0.00	\$396.48	\$1,976.08
UTLOC / Utility locates	5.00	\$192.50	\$8.58	\$15.26	\$0.00	\$96.99	\$313.33
Grand Total	102.00	\$2,261.68	\$794.74	\$342.38	\$0.00	\$993.55	\$4,392.34

(Before)



(During)



(After)



Project: Murray Avenue and Squire Pope Road

Activity: Routine/ Preventive Maintenance

Project #: 2021-536

Township/SW Dist: Hilton Head Island/3

Completed: April 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:05/03/21

File:C:\project summaries map\Murray Avenue and Squire Pope Road 2021-536



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Valley Drains

Activity: Routine/Preventive Maintenance

Duration: 03/04/21

Narrative Description of Project:

Project improved 1,750 L.F. of drainage system. Cleaned out 1,750 L.F. of valley drain. This project consisted of the follow area:
Rivers Hill Road (1,750 L.F.).

2021-314/Port Royal Island Valley Drains

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.00	\$24.10	\$0.00	\$0.00	\$0.00	\$6.62	\$30.71
COVD / Cleaned Out Valley Drains	32.00	\$653.44	\$112.00	\$173.38	\$0.00	\$105.84	\$1,044.66
HAUL / Hauling	8.00	\$183.92	\$152.48	\$11.00	\$0.00	\$0.00	\$347.40
Grand Total	41.00	\$861.46	\$264.48	\$184.38	\$0.00	\$112.46	\$1,422.77

Before

(No Picture Available)

During



After





Project: Port Royal Island Valley Drain-Rivers Hill Road

Activity: Routine/ Preventive Maintenance

Project #: 2021-314

Township/SW Dist: Port Royal Island/ 6

Completed: March 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 = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print:06/29/21

File:C:\project summaries map\PRI Valley Drain- Rivers Hill Road 2021-314



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Gillison Loop

Activity: Routine/Preventive Maintenance

Duration: 10/21/20 - 10/28/20

Narrative Description of Project:

Project improved 52 L.F. of drainage system. Replaced 52 L.F. of channel pipe. Installed rip rap and hydroseeded for erosion control.

2020-053/Gillison Loop

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.50	\$35.84	\$0.00	\$0.00	\$0.00	\$6.62	\$42.46
CPRP / Channel Pipe - Replaced	32.00	\$679.76	\$176.26	\$453.40	\$0.00	\$384.64	\$1,694.06
HAUL / Hauling	16.00	\$388.24	\$304.96	\$2,275.38	\$0.00	\$162.40	\$3,130.98
HYDR / Hydroseeding	12.00	\$249.36	\$37.81	\$158.98	\$0.00	\$0.00	\$446.15
SD / Soft Digging	4.00	\$88.38	\$76.64	\$10.60	\$0.00	\$47.06	\$222.68
UTLOC / Utility locates	0.50	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
Grand Total	66.00	\$1,453.93	\$595.67	\$2,898.36	\$0.00	\$607.33	\$5,555.29

Before

During

After

(No Picture Available)

(No Picture Available)





Project: Gillison Loop

Activity: Routine/ Preventive Maintenance






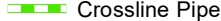


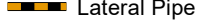




Project #: 2020-053

Township/SW Dist: Port Royal Island/6

Completed: Oct 2020

Legend

Drainage Type

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



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility
 Date Print: 02/14/22
 File: C:\project summaries map\Gillison Loop_2020-053



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: ToHHI Vacuum Truck
Elizabeth Road, Bluebell Lane and Chisholm Place.

Activity: Routine/Preventive Maintenance
Duration: 09/11/2020 - 05/25/2021

Narrative Description of Project:

Project improved 20 L.F. of drainage system. Cleaned out (4) catch basins. Jetted 20 L.F. of channel pipe and (3) crossline pipes.

2021-311 / ToHHI Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.50	\$40.29	\$0.00	\$0.00	\$0.00	\$22.85	\$63.14
CBCO / Catch basin - clean out	16.00	\$353.52	\$306.56	\$102.28	\$0.00	\$188.24	\$950.60
CLPJT / Crossline Pipe - Jetted	46.00	\$1,024.06	\$496.14	\$173.65	\$0.00	\$679.20	\$2,373.05
CPJ / Channel Pipe - Jetted	16.00	\$353.52	\$306.56	\$92.50	\$0.00	\$188.24	\$940.82
Grand Total	79.50	\$1,771.39	\$1,109.26	\$368.43	\$0.00	\$1,078.53	\$4,327.61

(No Pictures Available)



Project: ToHHI
Vacuum Truck-
Elizabeth Road
Map #1

Activity: Routine/
Preventive
Maintenance

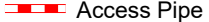





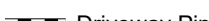



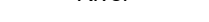
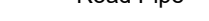
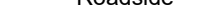
Project #:
2021-311

Township/SW Dist:
Hilton Head Island/3

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 40 80 160 240 320
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print:08/10/21

File:C:\project summaries map\ToHHI Vac Truck- Elizabeth Road Map#1_2021-311



Project: ToHHI
Vacuum Truck-
Bluebell Lane
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2021-311

Township/SW Dist:
Hilton Head Island/3

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 40 80 160 240 320
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/10/21

File: C:\project summaries map\ToHHI Vac Truck- Bluebell Lane Map#2_2021-311



Project: ToHHI
Vacuum Truck-
Chisholm Place
Map #3

Activity: Routine/
Preventive
Maintenance














Project #:
2021-311

Township/SW Dist:
Hilton Head Island/3

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 20 40 80 120 160
Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/10/21

File: C:\project summaries map\ToHHI Vac Truck- Chisholm Place Map #3_2021-311



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lady's Island Vacuum Truck
 Factory Creek Road, Brickyard Hills Road, Flamingo Cove and Sherwood Lane.

Activity: Routine/Preventive Maintenance
Duration: 03/21/2021 - 06/09/2021

Narrative Description of Project:

Cleaned out (4) catch basins. Jetted (3) crossline pipes and (4) driveway pipes.

2021-307A / Ladys Island Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.50	\$40.29	\$0.00	\$0.00	\$0.00	\$22.85	\$63.14
CBCO / Catch basin - clean out	16.00	\$368.97	\$69.44	\$59.00	\$0.00	\$134.32	\$631.73
DPJT / Driveway Pipe - Jetted	25.00	\$581.42	\$197.45	\$137.56	\$0.00	\$255.28	\$1,171.71
Grand Total	42.50	\$990.67	\$266.89	\$196.56	\$0.00	\$412.45	\$1,866.57

Before



During



After



Project: Lady's Island Vacuum Truck - Factory Creek Road Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2021-307A

Township/SW Dist: Lady's Island/7

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

Cleaned out (2) catch basins.

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

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



1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 07/26/21

File: C:\project summaries map\Lady's Island Vac Truck- Factory Creek Road Map #1_2021-307A



Project: Lady's Island Vacuum Truck - Brickyard Hills Drive Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2021-307A

Township/SW Dist: Lady's Island/7

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

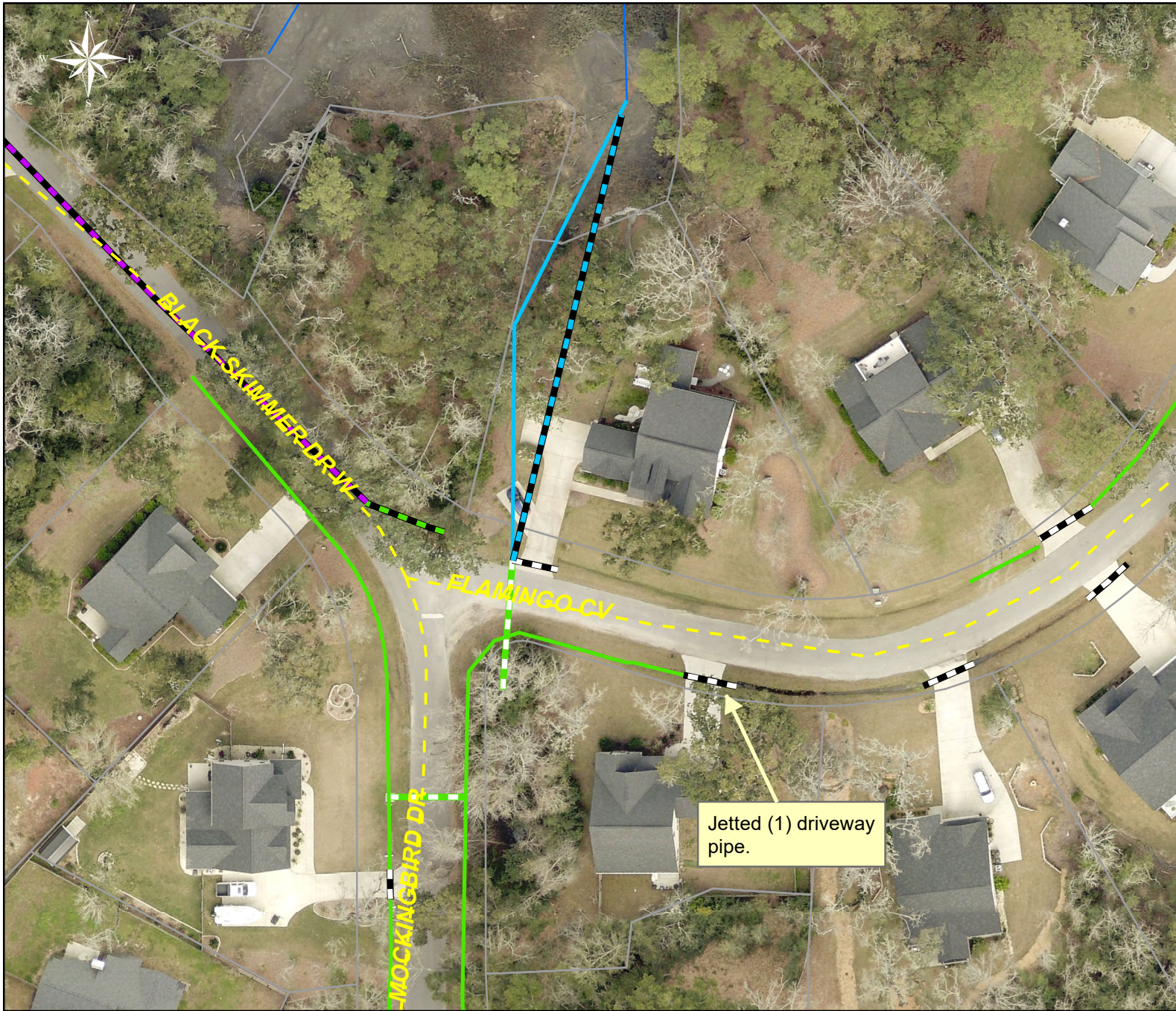
0 30 60 120 180 240 Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 07/26/21

File: C:\project summaries map\Lady's Island Vac Truck- Brickyard Hills Drive Map #2_2021-307A



Project: Lady's Island Vacuum Truck - Flamingo Cove Map #3








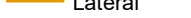
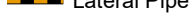
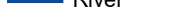
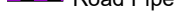
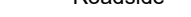

Activity: Routine/ Preventive Maintenance

Project #: 2021-307A

Township/SW Dist: Lady's Island/7

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

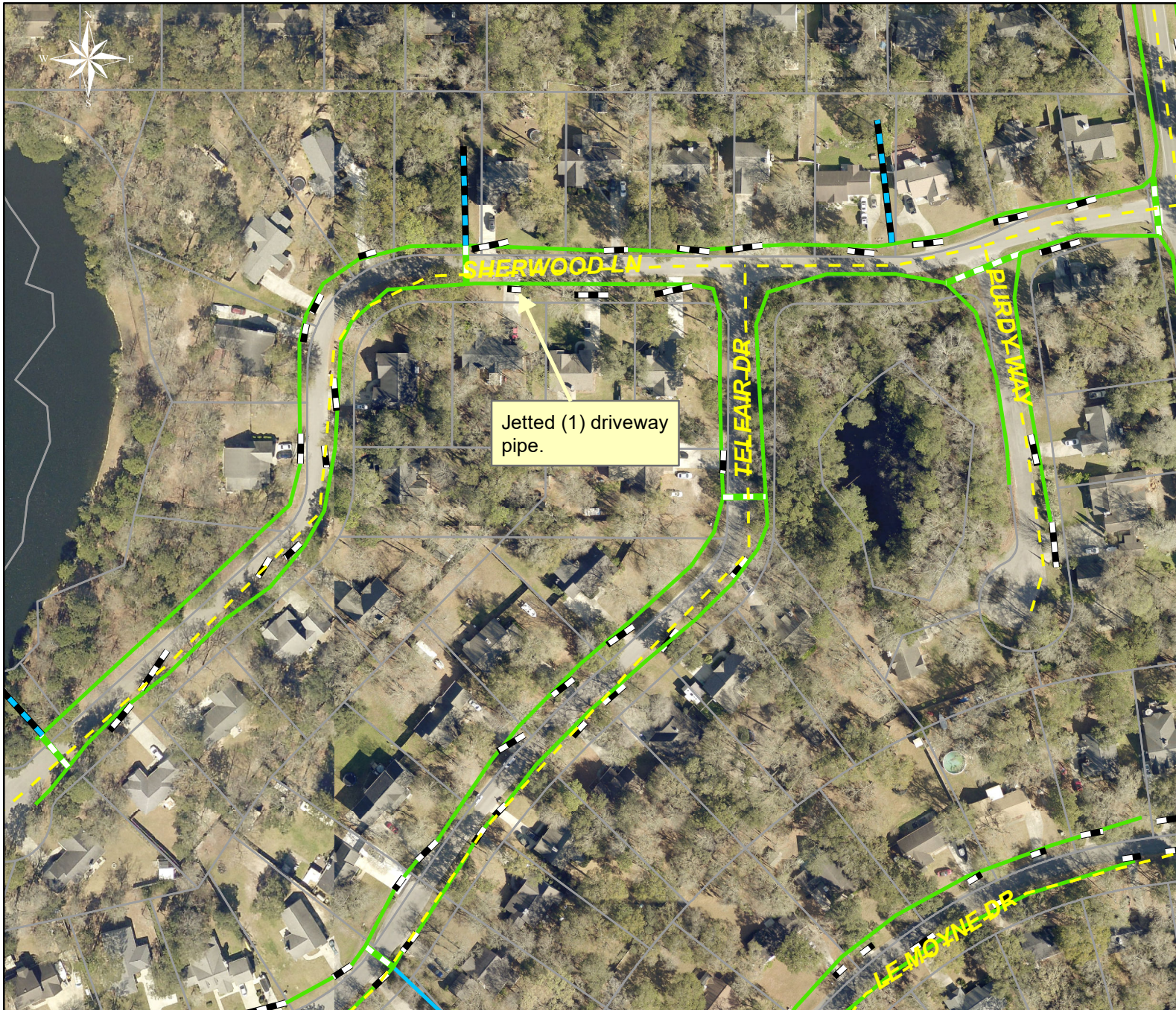
0 12.525 50 75 100 Feet

1 inch = 67 feet

Prepared By: BC Stormwater Management Utility

Date Print: 07/26/21

File: C:\project summaries map\Lady's Island Vac Truck- Flamingo Cove Map #3_2021-307A



Project: Lady's Island Vacuum Truck - Sherwood Drive Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2021-307A

Township/SW Dist: Lady's Island/7

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 25 50 100 150 200 Feet

1 inch = 150 feet

Prepared By: BC Stormwater Management Utility

Date Print: 07/26/21

File: C:\project summaries map\Lady's Island Vac Truck- Sherwood Drive Map #4_2021-307A



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Bluffton Vacuum Truck -

Centre Drive, Skylark Drive, W Morningside Drive, Baywood Drive, Lilac Lane, Barberry Lane and Buckwalter Parkway

Activity: Routine/Preventive Maintenance

Duration: 12/21/2020 - 06/28/2021

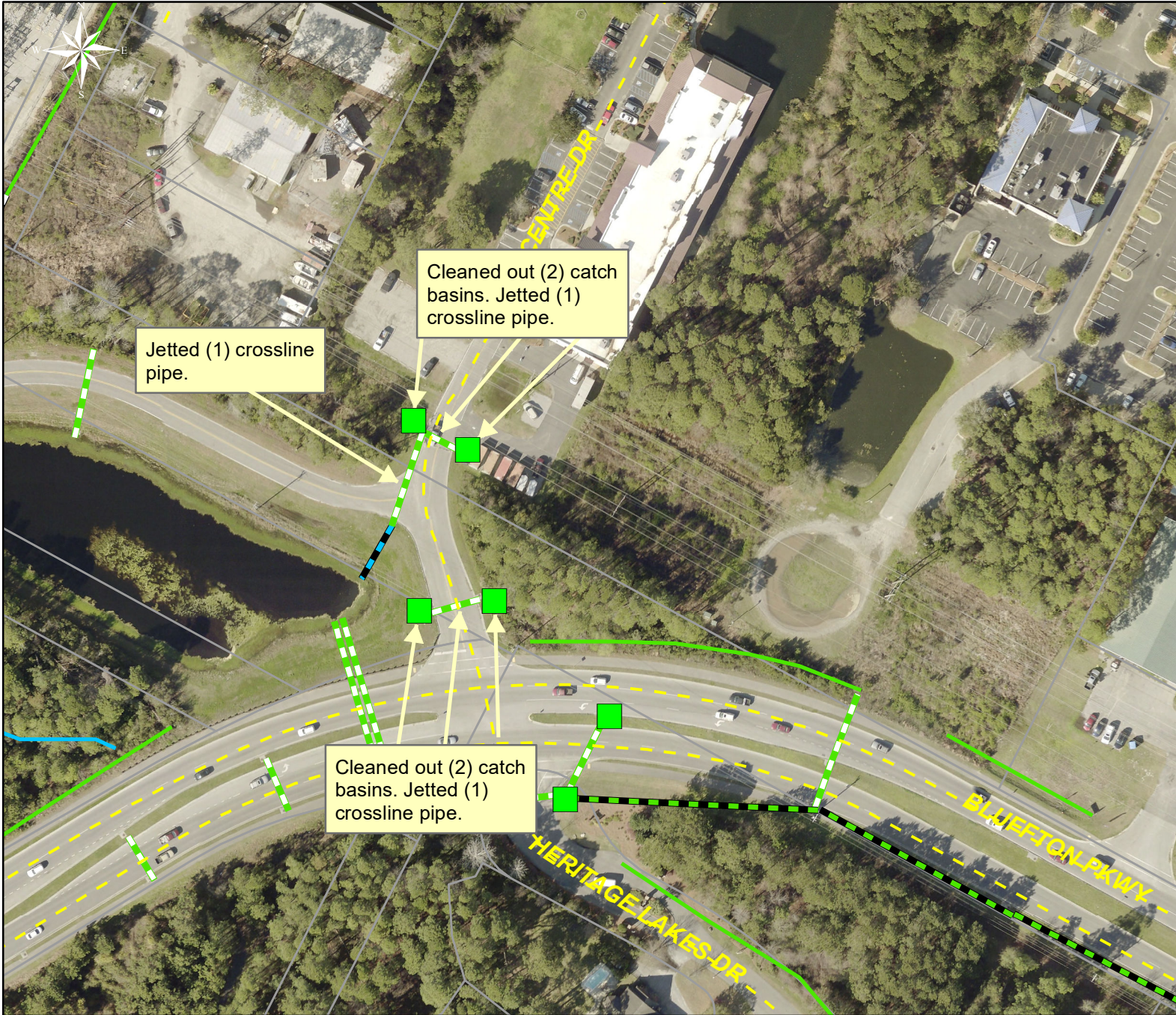
Narrative Description of Project:

Project improved 572 L.F. of drainage system. Cleaned out (16) catch basins. Jetted (17) crossline pipes, (47) driveway pipes, 230 L.F. of channel pipe and 342 L.F. of roadside pipe.

2021-310A / Bluffton Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	6.00	\$167.61	\$0.00	\$0.00	\$0.00	\$97.41	\$265.02
CBCO / Catch basin - clean out	78.00	\$1,710.60	\$1,373.31	\$290.14	\$0.00	\$998.36	\$4,372.41
CLPJT / Crossline Pipe - Jetted	56.00	\$1,237.85	\$717.36	\$202.28	\$0.00	\$593.20	\$2,750.69
CPJ / Channel Pipe - Jetted	14.00	\$304.12	\$229.92	\$45.90	\$0.00	\$98.82	\$678.76
DPJT / Driveway Pipe - Jetted	328.00	\$7,314.75	\$5,217.92	\$1,244.40	\$0.00	\$3,630.04	\$17,407.11
PI / Project Inspection	12.00	\$262.44	\$170.68	\$65.52	\$0.00	\$48.84	\$547.48
PRRECON / Project Reconnaissance	20.00	\$460.04	\$69.52	\$37.04	\$0.00	\$208.84	\$775.44
RSPJ / Roadside Pipe - Jetted	16.00	\$353.52	\$306.56	\$67.80	\$0.00	\$188.24	\$916.12
SD / Soft Digging	8.00	\$178.24	\$153.28	\$64.02	\$0.00	\$161.28	\$556.82
Grand Total	538.00	\$11,989.17	\$8,238.55	\$2,017.10	\$0.00	\$6,025.03	\$28,269.85

(No Picture Available)



Project: Bluffton Vacuum Truck - Centre Drive Map #1

Activity: Routine/ Preventive Maintenance

Project #: 2021-310A

Township/SW Dist: Bluffton/4

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 25 50 100 150 200 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print:08/30/21

File:C:\project summaries map\Bluffton Vac Truck- Centre Drive Map #1_2021-310A



Project: Bluffton Vacuum Truck - Skylark Drive Map #2

Activity: Routine/ Preventive Maintenance














Project #: 2021-310A

Township/SW Dist: Bluffton/4

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 15 30 60 90 120 Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print:08/30/21

File:C:\project summaries map\Bluffton Vac Truck- Skylark Drive Map #2_2021-310A



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

Activity: Routine/ Preventive Maintenance

Project #: 2021-310A

Township/SW Dist: Bluffton/4

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 25 50 100 150 200 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/21

File: C:\project summaries map\Bluffton Vac Truck- W. Morningside Drive Map #3_2021-310A



Project: Bluffton Vacuum Truck - Baywood Subdivision- Baywood Drive, Lilac Lane, and Barberr Lane Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2021-310A

Township/SW Dist: Bluffton/4

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

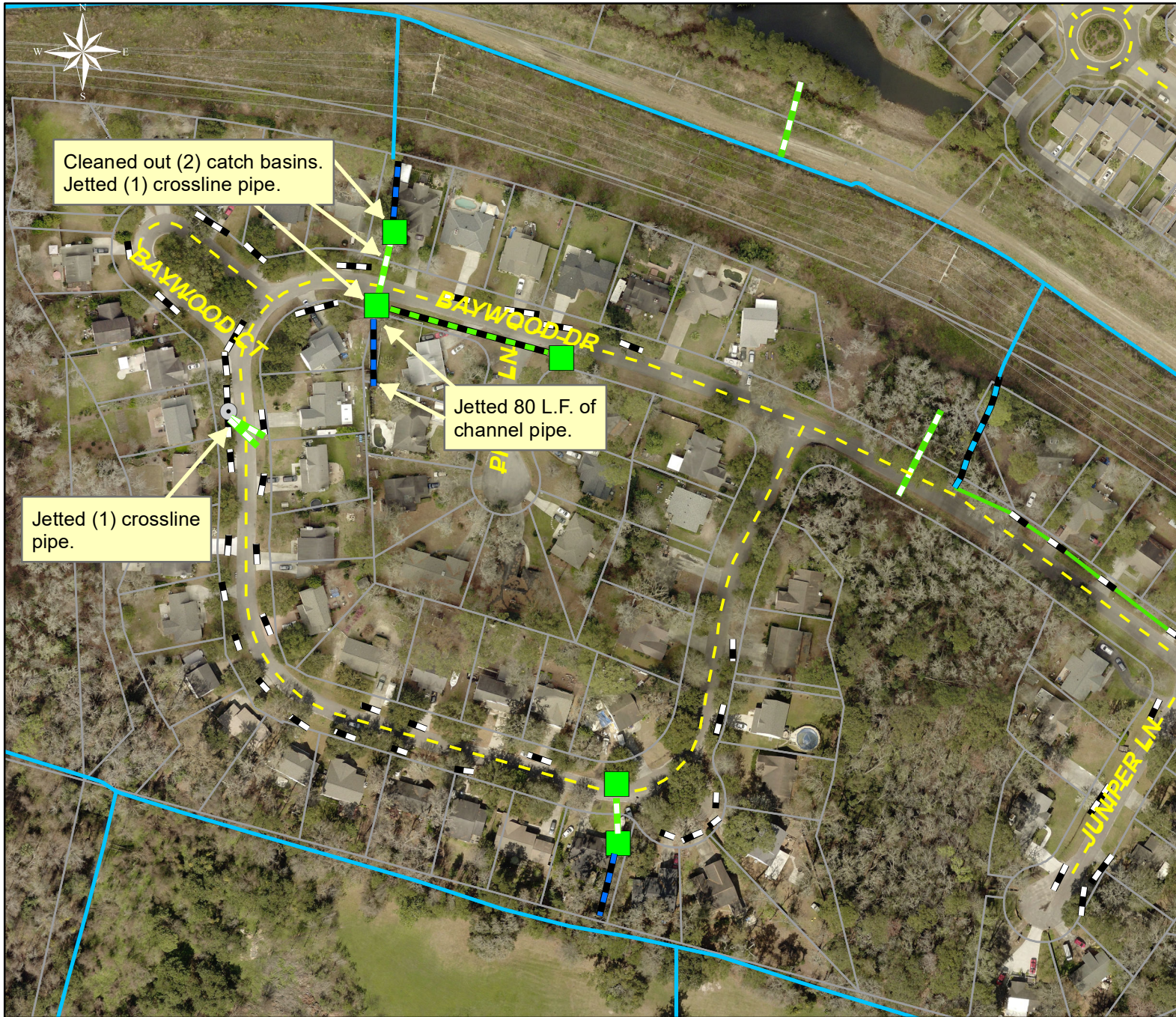


1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/21

File: C:\project summaries map\Bluffton Vac Truck- Baywood Subdivision Map #4_2021-310A



Project: Bluffton Vacuum Truck - Baywood Subdivision- Baywood Drive, Lilac Lane, and Barberry Lane Map #5

Activity: Routine/ Preventive Maintenance














Project #: 2021-310A

Township/SW Dist: Bluffton/4

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



1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 08/30/21

File: C:\project summaries map\Bluffton Vac Truck- Baywood Subdivision Map #5_2021-310A

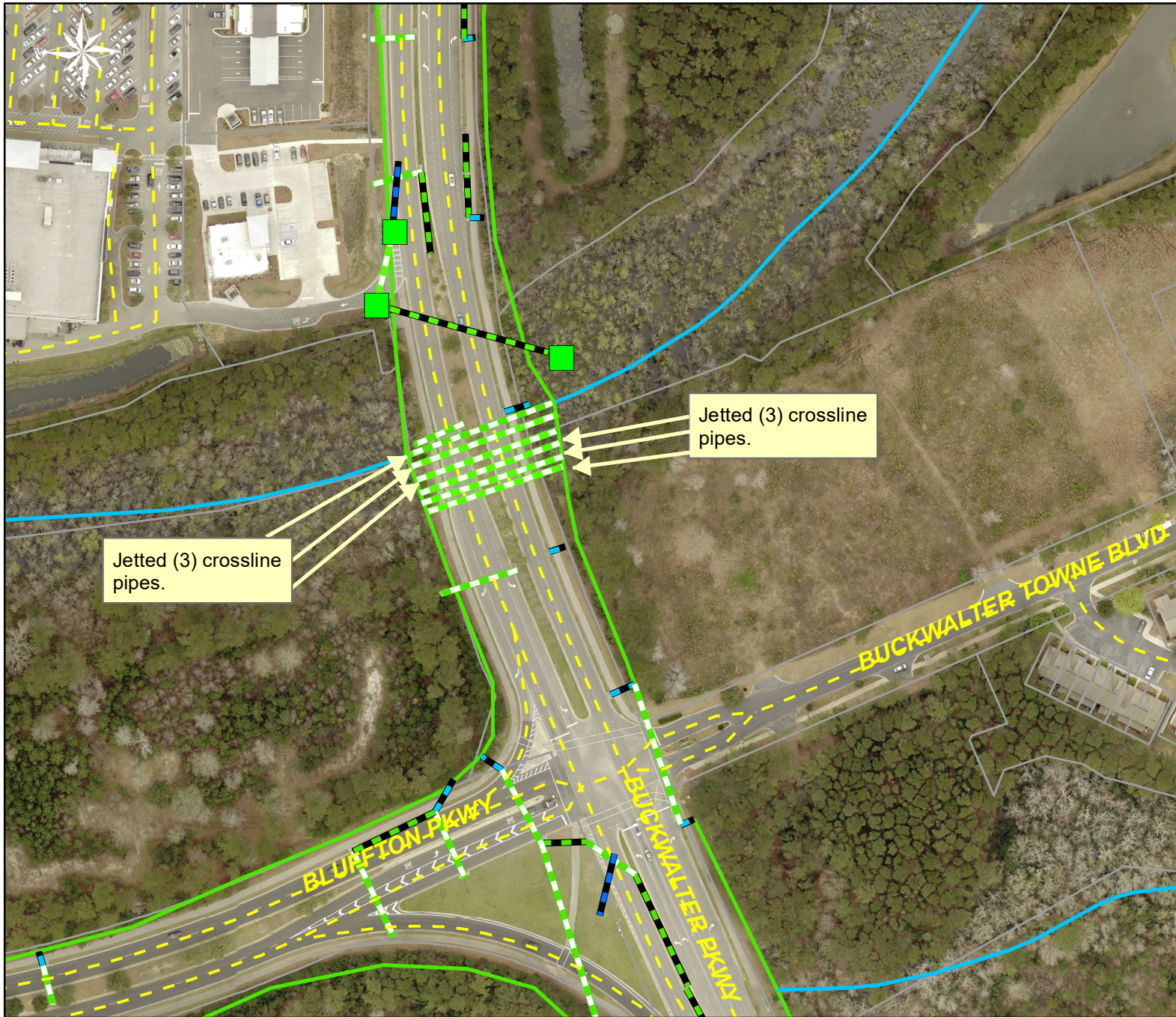
Project: Bluffton
Vacuum Truck -
Buckwalter Parkway
Map #6

Activity: Routine/
Preventive
Maintenance

Project #:
2021-310A

Township/SW Dist:
Bluffton/4

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 37.5 75 150 225 300
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print:08/30/21

File:C:\project summaries map\Bluffton Vac Truck- Buckwalter Parkway Map #6_2021-310A



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

February 9th, 2022 at 2:00 p.m.

Beaufort County Council Chambers, Administration Building, Beaufort County Government
Robert Smalls Complex, 100 Ribaut Road, Beaufort, South Carolina and via Webex

Board Members

Present

James Clark
Allyn Schneider
Steven Andrews
Patrick Mitchell

Absent

Marc Feinberg
Brian Watkins

Ex-Officio Members

Present

Bill Baugher

Absent

Nate Farrow
Van Willis
Jeff Netzinger

Beaufort County Staff

Katie Herrera
Johanna Zoran
Neil Desai
Carolyn Wallace

Julianna Corbin
Brittany Ward

Visitors

Alice Howard, County Council
Allen Warren, USCB
Ellen Sturup-Comeau, Clemson
Jacob Terry, HHI
Molly Davis, Woolpert
J.P. Johns, Woolpert

1. Meeting called to order – Allyn Schneider at 2:00 pm

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

2. Introductions – Completed.

3. Public Comment(s) – None.

4. Special Presentations

A. Beaufort County Legal Update – Brittany Ward and Neil Desai

- o Neil Desai presented the legal status on the IGA's with the City of Beaufort and the Town of Port Royal. In 2013, Stormwater Utility pursued delinquent fees in these two municipalities for military installations. As of two years ago, the municipalities issued a written request to stop the pursuit of delinquent fees. Brittany Ward stated that the Beaufort County Administrator has decided to disassociate with Gentry Locke law firm for pursuing these fees in order for us to be able to have conversations about negotiations directly with the Military Installations. Ms. Ward is seeking to have the IGA's amended so that we would not be obligated to pursue Stormwater fees at this time. Neil stated that a Natural Resource Committee will be created in order to start

the amendment process and then to go through Beaufort County Council to adopt those changes.

DRAFT

B. Stormwater Department Audit Report – Woolpert, Inc

- Woolpert Inc performed a mock audit for the Stormwater department to prepare the department for an actual audit from the SCDHEC or EPA and to provide recommendations. Molly Davis presented what procedures they took to perform the audit. The overall audit findings for Beaufort County Stormwater fell between sufficient and benchmark status. JP presented the six minimum measures and how Beaufort County Stormwater fell within these measures. It has been evident through the audit that Beaufort County is working towards reaching benchmark status and continues to push ahead to meet the end of the compliance spectrum. Beaufort County Stormwater needs improvement in documentation. Patrick Mitchell asked if more staffing is needed to make the improvements necessary and Jake from Woolpert said it was not. Allyn Schneider asked if there was any push-back from Katie and her team in reference to the changes that need to be made or if they were willing to comply. JP stated that Katie and Julianna were completely compliant and willing to provide any information requested. So, a full report of recommendations has been provided to Katie and she has created a workplan to meet sufficient and benchmark statuses for all measures and to pass future audits with minimal findings.

5. Reports

Highlights:

A. Utility Update – Katie Herrera

Highlights:

- ✓ Southern Lowcountry Regional Board (SoLoCo)
 - Amendments to manual and ordinance were approved and implementation of new standards were effective as of February 1st, 2022.
- ✓ Special Presentation
 - Research performed by Dr. Montie is still to be anticipated to be presented in the spring 2022.
 - Cypress Wetlands – Katie stated that the hopes are that the meeting can be done on site if weather permits.
- ✓ A reminder that the different municipalities need to have the financial reports provided to us by a certain timeframe. This is important to consistency across all of the IGA's especially with the amendments that Neil and Brittany spoke about earlier.

B. Monitoring Update – Katie Herrera

Highlights:

- ✓ Lab update – Lab operations have been moved to South of the Broad Campus but despite the move coordinating efforts with them have remained easy. Monitoring continues at Pepper Hall site and Mossy Oaks. Some locations are not accessible due to construction but as soon as that is completed those will be picked up again.

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

Highlights:

- ✓ IGA's were presented for the Town of Port Royal and the City of Beaufort to update the language regarding the military delinquent fees. Minor edits were also made at the same time to keep the IGA documents consistent across the board.
- ✓ SWIC Committee met on January 14th, 2022 to discuss Clemson Extension contract which expires at the end of the fiscal year and to ensure that the terms worked for all municipalities that participate in the cost sharing and Clemson team as well. Contract is going for legal review.

D. Stormwater Related Projects – Julianna Corbin

Highlights:

- ✓ Flyover bridge repairs have been closed out and pictures of completed work were presented.
- ✓ Shell Point Community – It was determined that the BRIC application was not competitive at the Federal level. Materials gathered for it are still eligible to be submitted at a later time and Julianna stated that it is the intent for Stormwater to do so. The Hazard Mitigation Grant Program application was submitted on February 3rd. We are budgeting to begin the design and permitting of that project in the next fiscal year.
- ✓ Graves Property / Pepper Hall – Roads and Infrastructure plan amendment has been approved since the last meeting. Conceptual Plans for the single-family home were reviewed a week prior by the Staff Review Team. Construction continues.
- ✓ Staff continue to work with engineers and legal to have comprehensive construction plans. Roads and Infrastructure have been approved as well as the town homes. Property owners continue construction on the pond located on the northwestern corner of property. Outfall structures are being retrofitted to function properly.
- ✓ Whitehall property – Construction continues on City Property.
- ✓ Tuxedo Park Pond Dredging – We are continuing to look for bids for the engineering drawings necessary to send out for construction bids. Katie provided an update to the HOA president on January 31st.
- ✓ Huspah Court North – Julianna is working on the design.

E. Professional Contracts Report – Julianna Corbin

Highlights:

- ✓ Mossy Road – It was determined to move this project off the CIP list.
- ✓ Brewer Memorial – Construction continues.
- ✓ Evergreen Regional Pond 319 – The utility conflict is still pausing progress but at the same time progress has been made. Project expected to close out mid to late spring.
- ✓ Stormwater engineering consulting services – Woolpert
 - Scope #5 – 319 Grant still moving forward
 - Scope #7 – Northern Lady's Island Drainage Study – We are in the final stages of getting the proposal reviewed.
 - Scope # 8 – St. Helena Drainage Study – We are looking to get that started very soon.
 - Other scopes on County radar:
 - Woolpert looked at the performance of the Battery Creek Pond and found that the trash rack was inhibiting the flow from the pond due to the possibility of it not being installed where it was specified on the plans. We are looking at replacing the trash rack with a traditional grate rack at a higher elevation to see if it improves flow.

F. Regional Coordination – Katie Herrera

Highlights:

- ✓ Mossy Oaks – Continue working with USCB to monitor the effects of construction has had on the water quality.
- ✓ Katie has met with City Officials and their consultant to partner on a drainage study of the downtown Beaufort area.

G. Municipal Reports – Katie Herrera

Reports attached in agenda

Highlights:

Reports information.

- ✓ Town of Bluffton (From Kim Jones, Watershed Management Division Director)
 - Reports Received – attached to the minutes
 - Bill Bower introduced himself as the new Watershed Management Division Manager replacing Kim in the near future once Town Council has approved it.
- ✓ Town of Hilton Head Island (From Jeff Netzing, Stormwater Manager)
 - Katie introduced Jacob Terry as the new NPDES Administrator.
- ✓ City of Beaufort (From Nate Farrow, Public Works Director)
 - No information available at this time
- ✓ Town of Port Royal (From Van Willis, Town Manager)
 - No information available at this time.

H. MS4 Update – Katie Herrera

Highlights:

- ✓ Plan Review – See the attached chart for Beaufort County Stormwater staff plan review workload for the past 12 months.
- ✓ Stormwater Permits – See the attached chart for Beaufort County Stormwater permits issued for the past 12 months.
- ✓ Monthly Inspection summary – We are doing over 600 inspections per month. Also continuing to work on our post construction Post Construction BMP program.
- ✓ Weather Station Data – Report unavailable
- ✓ Education Report – Ellen Sturup-Comeau, Clemson Extension
 - In January Ellen stated that they had Sediment and Erosion Control Social Media Campaign on the local Stormwater Partners Facebook page which reached over 600 people informing them on how to report things like broken silt fences and unmaintained construction site entrances, etc.
 - Consortium meeting is being held on February 22nd.
 - Healthy Pond Series Wildlife Management Webinar will be held on February 24th.
 - First Adopt-A-Stream Program of the year will be on February 28th.
- ✓ Katie was recently featured on WTOC regarding the project on Evergreen.
- ✓ Recently Shell and Circle K gas stations are featuring a 30 second Stormwater commercial at the pumps describing six things you can do to improve your watershed.

- ✓ Energov software – This would meet one of the recommendations JP from Woolpert mentioned earlier under the minimum control requirement. Once we are utilizing all parts of this software then can check this recommendation as being met.
- ✓ MS4 Statewide General permit – DHEC will be presenting at the next South Carolina Association of Stormwater Managers meeting on March 3rd. Katie hopes to get updates from the State regarding the progress of MS4 permits, Phase 1 permits and what some of the audits from the State may look like in our area.
- ✓ Staff Update
 - Julianna Corbin and Judah Wood obtained their Certified Stormwater Plan Reviewer certifications in December. This is the first time in Beaufort County Stormwater history that all Stormwater inspectors have been certified.
 - Katie is still interviewing for a Stormwater Administrative Assistant.
 - There are quite a few vacancies in the Infrastructure department and are continuing to advertise these openings.
 - Katie recognized our Utility Operations Coordinator, Evelyn Sutton. She is a reservist in the United States Navy and has been called to active duty and sent on deployment.

I. Maintenance Projects Report- Katie Herrera

Highlights:

- ✓ Major projects:
 - None
- ✓ Eight minor or routine projects:
Reports attached.

J. Liaison Report – Beaufort County Council – Alice Howard

Highlights

- ✓ Infrastructure Maintenance timeline – Katie stated that internal staff are looking at prioritizing projects so that we can be more proactive rather than reactive to problems that occur. Woolpert is helping with the prioritization so that we can be most effective with the staff we have available. Discussions about possibly trying to contract out the more emergent situations rather than handle routine, preventative, and emergency maintenance all in house. Working on funding for FY23 to implement it and improve our turnaround for routine maintenance.

6. Unfinished Business – None

7. New Business – Katie Herrera

- ✓ TY2022 Management Memo – Katie Herrera
 - Per the IGA, management fees for the management portion of the program are required to be presented to the municipalities. Katie showed a breakdown of what was billed for all municipalities in TY2020 and how much was collected. Cost sharing information was shared also.

- ✓ FY23 Budget – Carolyn Wallace
 - The budget is project focused. It had to be trimmed to be able to support the projects. We have approximately \$1M worth of maintenance projects under non-professional services and funding would come from the revenue that is anticipated to be collected in the next fiscal year along with \$195K out of the reserve. There is one request for a new FTE for a Lead Inspector for the Regulatory Department. Kate and Neil are finalizing that request. Due to the budget having to be trimmed down, we are only requesting the replacing the replacement of two pieces of equipment, the bush hog and a bobcat. Another request being made is to use our reserve to continue our CIP projects. Some of those projects have been removed from the budget as Julianna mentioned, Shanklin Road and Salt Creek in order to trim some more from the budget. Our projected total for CIP projects is \$1.25M.
 - Mr. Schneider asked Katie if the number of vacancies we currently have is having an impact on the performance of Stormwater Utility. Katie responded that if we were fully staffed we would definitely be able to complete work in a more timely fashion and to be able to work on more projects. With a limited crew we are mainly focused on more emergent situations and we are having to prioritize differently. Stormwater is advertising heavily to fill these vacancies.
 - Allyn Schneider requested a motion to approve the budget for FY23. A motion to approve was made by Steven Andrews. Patrick Mitchell seconded the motion, and it was unanimously adopted.

8. No Public Comment

9. Meeting Adjourned



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, April 20th, 2022 2:00 p.m.
County Council Chambers, Administration Building
Beaufort County Government Robert Smalls Complex
100 Ribaut Road, Beaufort, South Carolina
843.255.2805

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

1. CALL TO ORDER – 2:00p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes – February 9th, 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, June 15th, 2022 ([backup](#))
9. ADJOURNMENT

