



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, February 10, 2021
2:00 p.m.
Executive Conference Room, Administration Building
Beaufort County Government Robert Smalls Complex
100 Ribaut Road, Beaufort, South Carolina
843.255.2805

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

1. CALL TO ORDER – 2:00 p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes – December 9th, 2020 ([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 – Katie Herrera ([backup](#))
 - E. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
 - F. Regional Coordination – Katie Herrera ([backup](#))
 - G. Municipal Reports – Katie Herrera ([backup](#))
 - H. MS4 Update – Katie Herrera ([backup](#))
 - I. Maintenance Projects Report – Matt Rausch ([backup](#))
5. NEW BUSINESS
 - A. FY20 Annual Summary Report - Katie Herrera
 - B. FY22 Utility Management Fee and Rates Memo
 - C. Contract renewals - Katie Herrera
6. PUBLIC COMMENT
7. NEXT MEETING AGENDA
 - A. March 10, 2021 ([backup](#))
8. ADJOURNMENT





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

December 9th, 2020 at 2:00 p.m. via WebEx.

Board Members

Present

Allyn Schneider
James Clark
James Fargher
Marc Feinberg
Patrick Mitchell
William Bruggeman

Absent

Steven Andrews

Ex-Officio Members

Present

Kim Jones
Scott Liggett

Absent

Nate Farrow
Van Willis

Beaufort County Staff

Katie Herrera
Matthew Rausch
Carolyn Wallace

Visitors

Ellen Sturup Comeau, Clemson Extension
Jeff Netzinger, Town of Hilton Head
Alice Howard, County Council
Brian Durrance, Substitute for Mr. Farrow

1. Meeting called to order – William Bruggeman at 2:00 pm

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

2. Introductions – Completed.

3. Public Comment(s) – None.

4. Reports

Report attached in agenda

Highlights:

A. **Utility Update** – Katie Herrera

- ✓ Southern Lowcountry Regional Board (SoLoCo)
 - The current schedule for completion and finalization on the document and activities of Center for Watershed Protection (CWP) are completed.
 - Municipalities to work through individual implementation schedules

- ✓ If anyone has any suggestions for special presentation please let Katie know.

- ✓ 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. Update provided stating financial reports do not have to be final, audited numbers, as the question arose during the SWIC meeting on November 16th.
 - Beaufort County – Not received.
 - ***Town of Hilton Head Island – Received.***
 - ***Town of Bluffton – Received.***
 - Town of Port Royal – Not received.
 - City of Beaufort – Not received

B. Monitoring Update – Katie Herrera
Report attached in agenda. Nothing additional

C. Stormwater Related Projects – Katie Herrera
Report attached in agenda

Highlights:

- ✓ Staff is working on easement requests and meets monthly to review status. A few condemnations are still being pursued using outside legal counsel.
- ✓ Shell Point Community Meeting —Cranston Engineering has finalized the field drainage inventory work and are now working on creating a model for the region
- ✓ Graves Property / Pepper Hall Public / private partnership – Engineer has submitted conceptual Stormwater Permit plans for roads and infrastructure on the Graves Property. Staff received the Stormwater Master Plan from Davis and Floyd on August 18th. Staff met with Davis and Floyd team to discuss and provided a formal response on September 18th. County staff met with Davis and Floyd staff member about how to move forward with Master Plan mid October. A revised, comprehensive, Stormwater Master Plan was provided to staff to review on November 19th, 2020. Conditional approval for development was issued on December 8th, 2020. Staff continues to work with Davis and Floyd, other departments, and property owner.

D. Professional Contracts Report – Katie Herrera
Report attached in agenda

Highlights:

- ✓ Salt Creek and Shanklin Road – 90% design for both projects. Still waiting for property owner interest. Salt Creek - Permit applications have been submitted for Beaufort County and SCDOT. Shanklin – working on submissions for USACE, MS4, and SCDOT permits.
- ✓ Brewer Memorial – DOT, DHEC, OCRM permits obtained. Ward Edwards has submitted for final staff approval. Staff working with Clemson Extension regarding educational opportunities.
- ✓ RFQ for Stormwater engineering consulting services was awarded on September 28th, 2020. Staff met with Consultant on October 13th to discuss program goals. Consultant has put together two scopes of work, one includes organizing trainings for SoLoCo for both in

house staff as well as development community, the other a general contract for anything encompassing MS4 or programmatic compliance/improvements.

E. Regional Coordination – Katie Herrera

Report attached in agenda

Highlights:

- ✓ Town of Bluffton –
 - Kim stated the Town was working through its approval process to implement SoLoCo Design Manual and Ordinance. They are in line with the County’s implementation schedule, for a start date of 2/1/2021.

F. Municipal Reports – Katie Herrera

Report attached in agenda

Highlights:

Reports information.

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

G. MS4 Update – Katie Herrera

Report attached in agenda

Highlights:

- ✓ Permits and inspections has increased.
- ✓ Updated staff on Energov software rollout
- ✓ Statewide MS4, CGP, and SCDOT permit updates.
- ✓ Public Education
 - No additional information was provided outside of information included in packet.

H. Maintenance Projects Report – Matthew Rausch

Report attached in agenda

Highlights:

- ✓ One major project:
 - New Orleans Road – Hilton Head Island (SWUD 3) \$15,128.09.
- ✓ Three minor projects:

- Bluffton Vacuum Truck – Bluffton (SWUD 4) \$37,152.51.
- Lady’s Island Vacuum Truck – Lady’s Island (SWUD 7) \$13,698.25.
- Port Royal Island Vacuum Truck – Port Royal Island (SUD 6/7) \$8,476.21.

5. New Business -

Chairman Comments – William Bruggeman.

Highlights:

- ✓ After 12 years of service to the Beaufort County Stormwater Utility Board, Chairman Bruggeman submitted his resignation. Mr. Bruggeman provided a resignation speech. Upon Mr. Bruggeman’s resignation, there was a motion to appoint a new Chairman. A motion was put forth to appoint Mr. Marc Feinberg. The motion was seconded, then approved a third time. The motion passed and Mr. March Feinberg accepted the position of Chairman of the Stormwater Utility Board.

6. Public Comment(s) – *None*

7. Next Meeting Agenda –

- ✓ Agenda approved by vote.

8. Meeting Adjourned



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February 10th, 2021

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) Regional Stormwater Design Standard and Model Ordinance Project – See update above.
 - b) Regionalization of programs – With the finalization of the Regional Stormwater Design Standard and Model Ordinance it is hoped each participating jurisdiction will adopt these policy documents for implementation to provide consistent administration of Stormwater Management guidelines and policies in the region. Discussions of a Regional Stormwater Authority to administer the adopted guidelines and policies holistically within the region/jurisdictions can be fostered.
 - c) SoLoCo Manual and Ordinance adopted by County Council on January 11th, 2021. Implementation of new standards began on February 1st, 2021.
3. Special presentation suggestions –
 - Suggestions for Future Meetings
 - Street-scape presentation – Town of Bluffton – TBD
 - Wetlands as carbon sinks - TBD
 - DHEC Shellfish Program – TBD. Based on annual report, written in Spring. Local staff is willing to present on updates. Shellfish harvesting ground updates to be presented at November SWUB meeting.
4. Military installation and other State and Federal properties SWU fees – See “Delinquent Accounts” below. Staff continues to work with GIS to update impervious area layers for the military installations.
5. Delinquent accounts – Phase I Investigations with Gentry Locke Attorneys (looking at data, laws, ordinances, synopsis of case law) to provide recommendations and likely outcomes of either negotiations or litigation.
 - Gentry Locke continues to do research on delinquent fees.

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6. Reminder: Annual Financial report from the Municipalities are due – Per the Intergovernmental Agreements for the Utility, each year on September 30th, the City and Towns are required to submit a summary of revenue and expenditures for the previous fiscal year.
 - a) Beaufort County – Not 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. No update at time of report.

Stormwater Implementation Committee (SWIC) Report

1. The SWIC met on January 29th. Discussion was focused on cost shares for Clemson and USCB. Along with that, the required MOA updates to be made before new contracts can be entered into.

Stormwater Related Projects

1. Easements – Staff is working on easement requests and meets monthly to review status. A few condemnations are still being pursued using outside legal counsel.
2. Complaints – Staff continually works numerous drainage related complaints each month.
 - a) Flyover bridge preventative maintenance and deferred maintenance repairs – Last update: Consultant coordinating with OCRM to obtain last required permit. BC staff have asked the consultant to provide additional services, which include bid package information, cost estimate, and some construction oversight. Once all permits have been obtained, project may go out for bid.
 - b) Shell Point Community – Existing conditions report for review and comment to be provided by Mid-February. This will include model exhibits, identified choke points, and flooding areas. It will also include some identified proposed improvement areas and result exhibits of the improvements. Also coordinating with GIS department to discuss existing naming conventions to keep in alignment with County format.
3. Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision (Design Cost \$49,873, Tree Mitigation Cost \$18,200 & \$18,200, Construction Cost by the Developer) – Construction is nearing completion. Consultant is working on obtaining a close-out schedule from the developer, including final surveys.

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4. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) – Construction has been completed, with closeout inspection and as-built to be obtained in coordination with Developer. BC staff coordinating with Legal and property owner for the land acquisition.
5. Graves Property / Pepper Hall Public / private partnership – Staff continues to work with Davis and Floyd, other departments, and property owner.
6. Whitehall property purchase –No updates at this time.
7. Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No updates at this time.

Professional Contracts Report

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900) – All projects are in early design phase.
 - a) Salt Creek and Shanklin Road – 90% design for both projects. Still waiting for property owner interest. Salt Creek - Permit applications have been submitted for Beaufort County and SCDOT. NPDES Coverage obtained on January 27th. CZC obtained conditional consistency from OCRM on January 15th. Shanklin – working on submissions for USACE, MS4, and SCDOT permits.
 - b) Brewer Memorial – DOT, DHEC, OCRM permits obtained. Ward Edwards is waiting on revised landscape plan based on feedback at SRT. Package is ready for resubmittal once it has been obtained. WE staff is also preparing bid quantities and engineer’s estimate of probably construction costs to move forward with obtaining contractor once permits are obtained.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – All bids for work have been obtained. A bidder has been recommended for contract award based on being the lowest price and the most responsible. Staff are working through the approval process with Purchasing, scheduled to present at Public Facilities Committee on February 16th.
3. Stormwater engineering consulting services – Woolpert conducted a Developer training session for new Stormwater design standards on January 28th. Training session for in house staff scheduled for February 11th. Third scope of work being discussed now.

Regional Coordination

1. Town of Bluffton and Beaufort County Joint meetings on Sanitary Sewer in the May River

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watershed – No update at this time.

2. Mossy Oaks Task Force – County working with USCB and City of Beaufort staff to begin sampling efforts in two areas where drainage improvements are being made.
3. Charleston Area MS4 managers group – No update at this time.
4. May River Watershed Modeling – See municipal reports for more information.
5. Port Royal Sound Conservation Working Group – No additional update at this time.

Municipal Reports

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

MS4 Report

1. Plan Review – [See the attached chart](#) for Beaufort County Stormwater staff plan review workload for the past 12 months.
2. Stormwater Permits – [See the attached chart](#) for Beaufort County Stormwater permits issued for the past 12 months.
3. Monthly Inspection summary - [See the attached chart](#) for Beaufort County Stormwater staff inspection, complaint, IDDE, and violations summary for the past 12 months.
4. Weather Station Data. [See attached report.](#)
5. Public Education – [See attached report.](#)

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6. Energov permitting software – Staff to continue to test and provide feedback to Energov Implementation team.
7. MS4 Statewide General permit – No further update at this time.
8. Statewide General permit for Construction – Notice of permit being posted in March 2021.
9. SCDOT – No further update at this time.

February 2021 Municipal Report - Town of Hilton Head Island
Prepared for the Stormwater Utility Board
Reporting Period Ending on January 31, 2021

1. MS4 Update (EBER/SCHUMACHER)

<p>MCM1 Public Education & Outreach</p>	<ul style="list-style-type: none"> • Fats, Oils, and Grease campaign 12-08-20 • Re-Thinking the built environment 12-08-20 • Be Septic Safe Website 12-08-2020 • Carolina Clear Pet Owners Website 12-08-20
<p>MCM2 Public Involvement & Participation</p>	<ul style="list-style-type: none"> • Adopt a Salt-water Watershed Train the Trainer started certification process with DHEC. This will involve training volunteers who want to test surface water for water quality parameters.
<p>MCM3 Illicit Discharge Detection & Elimination</p>	<p>18 H₂O active quality monitoring sites 1 Complaint received 0 Investigated with Code Enforcement 0 Resolved</p>
<p>MCM4 Construction Site SW Runoff Control</p>	<p>5 Plan reviews w/ corrections required 29 Plan reviews approved 7 Utility Permits 33 Active permitted construction sites 118 Inspections completed; Failed-0, P.Pass-16 5 Pre-Clear Inspections by Eber 4 C of C Inspections by Eber 0 NOV issued</p>
<p>MCM5 Post-Construction SW Management</p>	<ul style="list-style-type: none"> • 18 PCBMP inspections; permit cycle to date • 0 PCBMP inspections this month. • 6 PCBMP scheduled for February • 27 PCBMP inspections goal by June 1 • <u>Employing Cartegraph for PCBMP inspections.</u>
<p>MCM6 Pollution Prevention/Good Housekeeping</p>	<ul style="list-style-type: none"> • Presentations to Town staff given via virtual Meetings, including a quiz. <ul style="list-style-type: none"> • Community Development completed 7/3 & 8/7 • Facilities Completed in September 2020

- **Water Quality Monitoring:** To supplement data collected routinely at each of the Town’s 18 established long-term water quality monitoring locations, the Town purchased a new YDI Water Quality meter. The meter will provide quick and reliable data water quality data in various locations on the Island. The meter will collect basic water quality indicator data to assist us with determining if further investigation is warranted or not. Training on the meter is planned in early February; staff will begin using the meter as early as mid-February, collecting data at several locations where water quality data is desirable.
- **NPDES Permit:** October MS4 Audit
 - The Town’s MS4 program was audited by DHEC on October 21.
 - Still waiting hear back from DHEC on their assessment of the Town’s program.
- **Pond Management:** Seven Town-owned ponds are being monitored and treated for algae growth. The water temperature and the lack of rainfall within the ponds are making it very challenging to remove all of the algae growth.

2. Service Requests (MARTIN)

A. January 2021 Service Request Activity:

- New requests: 1 48 (FY21 to date)
- Requests closed: 2 48 (FY21 to date)

B. Open Requests as of January 31, 2020:

- Open Qualifying: 299
 - Public (97)
 - Private* (202) ** Located in residential POAs with current maintenance agreements*
- Open Enforcement 7
 - IDDE (3)
 - Other (4)
- Open Referrals 38
 - County (16)
 - SCDOT (22)

C. Service Request Totals as of January 31, 2020:

- Open: 316 change in last 30 days: -1
- Closed: 1071 change in last 30 days: +2
- Total: 1387 change in last 30 days: +1

3. Major Capital Improvements Update (LADD)

A. Lawton (Sea Pines) SW Pump Station – Electrical System Rehabilitation

Reconstruction of the pump station facility is underway.

- Contract
 - Prime: BRW Construction (utilizing current on-call services contract)
 - Total construction cost: \$1.6 million.
 - NTP on October 9, 2020
 - Estimated completion date: May 28, 2021 (8 Months).
- Permitting
 - Sea Pines ARB approved (9/2/20)
 - Town Minor DRP approved (9/30/20)
 - Town Demolition Permit approved (12/1/20)
 - Town Building Permit approved (01/13/21)
- Construction Status Update
 - Erosion and sediment control measures installed (11/16/20)
 - Pre-Clear Inspection passed (11/19/20)
 - Palmetto Electric disconnected electrical service to station in preparation for demolition work (12/1/20)
 - Demolition completed (12/15/20)
 - Utility relocations completed (1/29/2021)
 - Building construction underway (1/29/21)

4. Pump Station and Routine Maintenance Projects (LADD)

Refer to attached Routine Maintenance Schedule, Revised 2/1/2020

5. CIP and Maintenance Projects (UYESUGI)

Refer to attached FY21 Projects Schedule, Revised 2/1/2021

6. Inventory & Modeling Program (NETZINGER)

A. Lower Jarvis Creek Study (FY19 Budgeted Watershed)

The Town is utilizing Woolpert to conduct a study of the Lower Jarvis Creek Watershed. The study involves collecting data for the existing stormwater system in the field, and identifying infrastructure deficiencies and flood hazards. The study area includes portions of William Hilton Parkway, Wild Horse Road, Gum Tree Road, Spanish Wells Road and Jonesville Road and within portions of the Indigo Run Community. The project is scheduled to be complete by September 2020. Woolpert submitted draft report in mid-December. The report included evaluation of 10 improvement alternatives. *Review meeting held on Jan 13. Woolpert is addressing comments. Final Report to be submitted in early February.*

B. South Forest Beach/Lawton Creek Study (FY20 Budgeted Watershed)

The Town will utilize an on-call consultant to study this watershed once we have the on-call contracts in place. *We anticipate work beginning on this project in March 2021.*

C. North Forest Beach/Shipyard/Wexford Study (FY21 Budgeted Watershed)

The Town will utilize an on-call consultant to study this watershed once we have the on-call contracts in place. Received draft scope from Woolpert on January 14. *Anticipate work beginning on this project in April 2021.*

TOWN OF HILTON HEAD ISLAND

STORMWATER UTILITY - FY21 PROJECTS SCHEDULE

Revised February 1, 2021

Project Assignments	
Reimbursement	1
Jeff Netzing	5
Kelli Uyesugi	46
Erik Ladd	12
	<u>64</u>

Service Totals		BUDGET	ACTUAL
Maintenance Agreements	83%	\$ 3,492,629	\$ 384,159
Public System	17%	\$ 694,277	\$ 12,915
Total		\$ 4,186,906	\$ 397,074

C	COMPLETE
U	UNDERWAY
P	PLANNED

EVAL	SR #	PA	DESCRIPTION	Prog	BUDGET	ACTUAL	NOTES	Q1	Q2	Q3	Q4
INVENTORY & MODELING											
n/a	n/a	J	SOUTH FOREST BEACH/SEA PINES (SP041)	FY21B	\$ 375,000		Thomas & Hutton			P	▶
n/a	n/a	J	SHIPYARD / WEXFORD / NORTH FOREST BEACH	FY21B	\$ 350,581		Woolpert			P	▶
TOTAL INVENTORY & MODELING					\$ 725,581	\$ -					
MAINTENANCE AGREEMENT CAPITAL PROJECTS											
SHIPYARD											
12	1523	K	GALLEON COURSE #8 TEE CULVERT REPLACEMENT (SH021)	FY21B	\$ 25,000		internal design			C	
SEA PINES											
18	1403	E	SEA PINES PUMP STATION (SPP01)		\$ 1,659,167					U	▶▶
11	852	K	38 CANVAS BACK PIPE REPLACEMENT (SP034)	FY21B	\$ 41,593	\$ 39,200				C	
10	1089	K	MIZZENMAST/LIGHTHOUSE PIPE REPLACEMENT (SP043)	FY21B	\$ 45,000		ON HOLD (PSD Water)			P	
WEXFORD											
12	1021	K	WEXFORD CLUB DRIVE FLOODING (WE007) CHANNEL MAINTENANCE	FY21B	\$ 13,000	\$ 35,859				C	
TOTAL PUD CAPITAL PROJECTS					\$ 1,783,760	\$ 75,059					
PUBLIC CAPITAL PROJECTS											
TOWN SYSTEM											
7	1152	K	104 CORDILLO PKWAY (HEDGES) DRAINAGE (XN082)	FY21B	\$ 45,000		internal design			P	
9	1352	K	400 William Hilton Parkway (The Oaks Pathway)	FY21B	\$ 60,000		internal design				P
12	1499	J	Arrow Rd Pathway Crossing at Crossings Park Outfall	FY21B	\$ 40,000		internal design				P
10	954	K	25 Moonshell Road (piping part of the Folly Field Ditch)	FY21C	\$ 50,000						P
TOTAL NON-PUD CAPITAL PROJECTS					\$ 195,000	\$ -					
MAINTENANCE AGREEMENT PROJECTS											
HILTON HEAD PLANTATION											
10	896	K	37 DEERFIELD RD DRAINAGE IMPROVEMENTS (HH039)	FY21B	\$ 60,000	\$ 59,531				C	
9	1227	R	Pine Island - Beach Renourishment	FY21B	\$ 100,000		reimbursement				
12	1068	E	245 Seabrook Drive Weir Gate	FY21B	\$ 15,000					P	
INDIGO RUN											
6	872	K	4 DRUMMOND LN CHANNEL CLEAN (IR013)	FY21B	\$ 23,940	\$ 15,183	◀ combined w/ SR 1238			C	
9	1238	K	29 PRIMROSE CHANNEL MAINT (IR019)	FY21B	\$ 8,000					C	
6	1124	K	53 ABERDEEN CT SINKHOLE/POINT REPAIR (IR020)	FY21B	\$ 4,000	\$ 2,000				C	
14	1295	K	46 Sussex Lane (Indigo Run) Pipe Cleaning & Sumps	FY21B	\$ 17,500					U	
LONG COVE											
6	1175	K	2 LONG BROW RD SINKHOLE / POINT REPAIR (LC007)	FY21B	\$ 5,000	\$ 1,500				C	

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Maintenance Agreements	83%	\$ 3,492,629	\$ 384,159
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Total		\$ 4,186,906	\$ 397,074

C	COMPLETE
U	UNDERWAY
P	PLANNED

EVAL	SR #	PA	DESCRIPTION	Prog	BUDGET	ACTUAL	NOTES	Q1	Q2	Q3	Q4
LEAMINGTON											
5	904	K	48 HEATH CT WEST POINT REPAIR / CLEAN (LM007)	FY21B	\$ 5,000						P
6	1495	K	9 Niblick Court (Palmetto Dunes George Fazio GC 4th Fairway) CCTV	FY21B	\$ 15,000						P
PALMETTO DUNES											
6	1242	K	FLOTILLA SINKHOLE REPAIR (PD027)	FY21B	\$ 11,000						P
6	1241	K	DINGHY LN SINKHOLE REPAIR (PD028)	FY21B	\$ 10,000						P
6	1244	K	1 LONG BOAT SINKHOLE REPAIR (PD029)	FY21B	\$ 10,000						P
6	1243	K	2 HIGH RIGGER SINKHOLE REPAIR (PD030)	FY21B	\$ 9,500						P
10	1313	K	29 Starboard Tack Pipe Replacement	FY21B	\$ 9,000	\$ 9,300		C			
PALMETTO HALL											
9	1231	K	25 LENOX TO 19 CLYDE LAGOON PIPE CLEANING (PH011)	FY21B	\$ 44,848	\$ 50,112			C		
7	1312	K	32 Madison Lane Inlet Replacement	FY21B	\$ 1,000						P
11	1519	J	Palmetto Hall System Outfall at Fish Haul Rd	FY21B	\$ 50,000		CONSULTANT DESIGN				P
PORT ROYAL											
6	1210	E	16 BARNACLE RD PIPE CLEAN / CHANNEL MAINT (PR029)	FY21B	\$ 3,000						P
6	1211	E	16 COQUINA RD PIPE CLEAN / CHANNEL MAINT (PR030)	FY21B	\$ 3,000						P
6	1212	E	16 DONAX RD PIPE CLEAN / CHANNEL MAINT (PR031)	FY21B	\$ 3,000						P
8	1395	K	12 Scarborough Head (Ditch & Pipe Cleaning)	FY21B	\$ 12,000						P
8	1482	K	3 Wimbledon Ct (Grasslawn/S. Port Royal median) Pipe Replacement	FY21B	\$ 15,000		complete before road paving				P
9	1496	K	61 S. Port Royal Drive Point Repair	FY21B	\$ 2,500	\$ 2,500		C			
9	1520	K	5 Resolute Place Channel Maintenance	FY21B	\$ 15,000	\$ 16,254		C			
SEA PINES											
11	1236	E	LAWTON PUMP STATION OUTFALL GATE REPAIR (SP038)	FY21B	\$ 3,000						P
7	1335	K	16 Wagon Road Point Repair	FY21B	\$ 10,000						P
7	1432	E	135 Lighthouse Road (Flap Gate)	FY21B	\$ 9,000		malphrus can seal gate				P
7	1492	K	3 Governors Road Point Repair	FY21B	\$ 5,000						P
8	1423	K	13 Genoa Court (upstream Mizzenmast Ct system) Pipe Replacement	FY21B	\$ 115,000						U
9	1040	E	30 Governors Road- Near Clubhouse Entrance near Hole #10 Gate Repair	FY21B	\$ 7,000		quote received				P
9	1289	K	226 Portside Drive (Lagoon Villas) Pipe Replacement/Ditch	FY21B	\$ 29,000		permit received				P
9	1398	E	20 Audubon Pond Drive Flap Gate Replacement	FY21B	\$ 11,000		quote needed				P
10	1399	E	1 Baynard Cove Road (Baynard Cove Outfall) Gate Cleaning & Repair	FY21B	\$ 24,000		quote received				P
10	1463	K	18 Surf Scoter Road (Beach Pathway 26) Pipe Replacement	FY21B	\$ 24,000						U
11	1336	K	33 Battery Road CCTV & Pipe Replacement	FY21B	\$ 28,000		power line bore				▶
12	1400	K	35 Lawton Drive Channel Maintenance	FY21B	\$ 7,000						P
14	1402	K	4 Snowy Egret Road (Beach Access Marker 25) Pipe Replacement	FY21B	\$ 48,000	\$ 42,407			C		

STORMWATER UTILITY - FY21 PROJECTS SCHEDULE

Revised February 1, 2021

Project Assignments	
Reimbursement	1
Jeff Netzinger	5
Kelli Uyesugi	46
Erik Ladd	12
	64

Service Totals		BUDGET	ACTUAL
Maintenance Agreements	83%	\$ 3,492,629	\$ 384,159
Public System	17%	\$ 694,277	\$ 12,915
Total		\$ 4,186,906	\$ 397,074

C	COMPLETE
U	UNDERWAY
P	PLANNED

EVAL	SR #	PA	DESCRIPTION	Prog	BUDGET	ACTUAL	NOTES	Q1	Q2	Q3	Q4
------	------	----	-------------	------	--------	--------	-------	----	----	----	----

SHIPYARD											
13	1408	K	63 Shipyard Drive (Shipmaster) Channel Excavation	FY20C	\$ 25,000	\$ 92,413			C		
9	1412	K	45 Shipyard Drive Point Repair	FY21B	\$ 5,000	\$ 2,900			C		
13	1485	K	Intersection of Barcelona Drive and Shipyard Drive Pipe Replacement	FY21B	\$ 5,000	\$ 9,000				C	
14	1424	K	200 Colonnade Rd (Galleon 6 F'way) Sonesta Outfall System	FY21B	\$ 21,000	\$ 6,000	add Shipyard Dr excavation			C	
11	1526	K	90 Gloucester Road (Harbourmaster) Pipe Cleaning & Channel Excavation	FY21C	\$ 15,000						P
11	1534	K	48 Kingston Road (Pipe Cleaning and Lagoon Excavation)	FY21C	\$ 12,000					C	

WEXFORD											
11	1525	K	PRIM CHL, RM WEXFORD POWERLINE RV PARK DITCH (WE008)	FY21B	\$ 15,000					U	▶

PUD MAINTENANCE CONTINGENCY (CP000) \$ 73,000

TOTAL PUD MAINTENANCE PROJECTS \$ 943,288 \$ 309,100

PUBLIC MAINTENANCE PROJECTS

TOWN SYSTEM											
LADD		NON-PUD MAINTENANCE (XN000)		FY21B	\$ 260,000		refer to RM program				
EBER		STREET SWEEPING (XN066)		FY21B	\$ 98,000		ongoing weekly schedule				
11	827	J	54 SHAMROCK / COBIA CT DRAINAGE IMPRVMTS (XN081)	FY21B	\$ 23,277		internal dgn/County to install				P
7	1305	E	50 Dillon Road (WHP- Planters Row GC) Pathway Flooding	FY21B	\$ 5,000		part of C11-2020-JO19			C	
7	1498	K	32 Office Park Road Inlet Repair	FY21B	\$ 2,000						P
7	1455	K	316 Squire Pope Road Pipe Cleaning	FY21B	\$ 2,000						P
9	1324	K	271 William Hilton Parkway (Island Tire) Workshelf/Channel Maintenance	FY21B	\$ 66,000		deferred ▶ FY22				
9	1428	K	89 Squire Pope Road Pathway Flooding	FY21B	\$ 15,000						P
10	1338	E	10 Bow Circle (Arrow Road Ditches) Channel Maintenance	FY21B	\$ 35,000		on hold, int dgn rqd				P
13	1522	K	59 Shelter Cove Lane (Veteran's Memorial Park) Dam Repair	FY21B	\$ 18,000	\$ 12,915				C	

CONTINGENCY \$ -

TOTAL NON-PUD MAINTENANCE PROJECTS \$ 524,277 \$ 12,915

PUMP STATION MAINTENANCE PROJECTS											
LADD		SHIPYARD PUMP STATION (SHP00)		FY21B	\$ 15,000		annual pump maint				P
LADD		WEXFORD PUMP STATION (WEP00)		FY21B	\$ 25,000		annual pump maint				P
LADD		JARVIS PUMP STATION (XNP00 & XNP01)		FY21B	\$ 15,000		annual pump maint				P

PUMP STATION CONTINGENCY (CGP00) \$ 10,000

TOTAL PUMP STATION MAINTENANCE PROJECTS \$ 65,000 \$ -

TOWN COUNCIL

STAFF REPORT

Engineering Department



MEETING DATE:	February 9, 2021
SUBJECT:	Engineering Department Monthly Report
PROJECT MANAGER:	Bryan McIlwee, Director of Engineering

CAPITAL IMPROVEMENTS PROGRAM (CIP) AND SPECIAL PROJECTS UPDATE

PATHWAYS

1. Goethe-Shults Sidewalks Phase 2

- Construction documents and easements are complete.
- Invitation for Bids were posted on 1/8/2021
- **Next Steps**
 - Obtain bids on 2/15/2021.
 - Submit contract for approval at the March Town Council meeting.

2. Buck Island-Simmons ville Neighborhood Sidewalks and Lighting

- Phase 5 Kitty Road to 301 Buck Island Road, construction is complete. Design of street lighting is underway.
- Phase 6A along Simmons ville Road from Grayco northward to Sugaree Drive is under design and permit review. Invitation to bid to be posted in February.
- Phase 6B along Simmons ville Road from Sugaree Drive northward to the existing New Mustang Road sidewalks is under design.
- **Next Steps**
 - Phase 5 from Kitty Road to lot 310 Buck Island Road inspection and permit closeout.
 - Submit Phase 5 street lighting for an SCDOT encroachment permit. Install street lighting in the second quarter of 2021.
 - Phase 6 design and construction of the remaining Simmons ville Road sidewalks, to be completed in FY 2021-2022.

3. Bridge Street Streetscape

- Construction documents and permitting are underway for Phase 1 streetscape, Burnt Church Road to Calhoun Street. 70% construction drawings are complete and Staff provided plan comments to Cranston Engineering.

- SCDHEC 319 grant application was awarded for \$179,700 for drainage and water quality improvements.
 - **Next Steps**
 - Complete engineering design in February 2021.
 - Execute contract with Cranston Engineering to complete design modifications and reporting related to the 319 Grant.
 - Prepare easement plats, appraisals, obtain easements and issue bid documents in FY 2021.
 - Construction to start in FY 2022.
- 4. Boundary Street Streetscape**
- Obtained contract approval for engineering services with Thomas and Hutton.
 - Project kick off meeting on 1/28/21
 - **Next Steps**
 - Begin Preliminary Engineering Design in February 2021.
- 5. New Riverside Linear Trail**
- **Next Steps**
 - Begin surveying and prepare a Conceptual Master Plan in FY 2022, pending budget approval.
 - Research grant opportunities to fund planning and construction of future trail improvements.

SEWER & WATER

- 1. Buck Island-Simmons ville Sewer (Phases 5A-5D)**
- Construction is underway on Phase 5A-D.
 - **Next Steps**
 - Complete construction on Phase 5A-D by 7/1/21 contingent upon no extensive weather delays or unforeseen utility conflicts.
 - Start house connections after the main line is approved by DHEC.
- 2. Historic District Sewer Extension Phase 1 - Pritchard Street**
- Construction has started.
 - **Next Steps**
 - Start house connections after the main line is approved by DHEC.
- 3. Historic District Sewer Extension Phase 2 - Bridge Street**
- Received SCDHEC permit to construct.
 - Continue negotiations with property owners for right of entry agreements.

- **Next Steps**
 - Obtain road ownership from SCDOT.
 - Advertise for bids.

- 4. **Historic District Sewer Extension Phase 3 – Colcock Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

- 5. **Historic District Sewer Extension Phase 4 – Lawrence Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

- 6. **Historic District Sewer Extension Phase 5 – Green Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

- 7. **Historic District Sewer Extension Phase 6 – Water Street**
 - Started surveying and design.
 - **Next Steps**
 - Review design drawings.

HISTORIC DISTRICT IMPROVEMENTS

1. **Boundary Street Lighting**
 - Phase 2 photometric plans complete.
 - Received encroachment permit from SCDOT.
 - Lighting agreements approved by Town Council in May 2020.
 - Agreement has been executed by both parties.
 - Dominion Energy is negotiating modifications to SCDOT encroachment permits.
 - SCDOT and Dominion indicated poles must be installed on Private Property due to conflicts with Sewer Force Main along Boundary Street
 - **Next Steps**
 - Obtain easements as needed for Phase 2 street lighting.
 - Begin installation of street lighting in March 2021.

2. **Historic District Enhancements**
 - Watershed Management Staff is evaluating preliminary plans to prepare drainage solutions at AME Church.
 - Traffic calming guidelines and plan are being negotiated with engineering consultant.

- **Next Steps**
 - ADA ramps and crosswalks are being mapped in Cartegraph by GIS/IT.
 - Continue planning of crosswalks and ADA improvements.
 - Complete Traffic Calming Assessment and Plan.

- 3. Calhoun Street Streetscape**
 - Conceptual Master Planning is complete and reviewed at the July Quarterly Workshop.
 - Obtained contract approval for Engineering services at the January 2021 Town Council meeting
 - Project Kick-off meeting on 1/28/2021.
 - **Next Steps**
 - Begin Engineering design in February 2021.

- 4. Squire Pope Carriage House Preservation**
 - Construction Documents are complete and submitted to SHPO for a courtesy review.
 - **Next Steps**
 - Finalize any modifications to the Construction Documents and prepare bid solicitation package.
 - Awaiting budget approval for future construction.
 - Coordinate design of “Coming Soon” sign.

PARK DEVELOPMENT

- 1. Oyster Factory Park**
 - Conceptual Master Plan has been updated and reviewed by Town Council at the January Quarterly Workshop.
 - **Next Steps**
 - Obtain ACOE and DHEC Permit for installation of salvaged dock components from Calhoun Street.
 - Begin final design of next phase of improvements per Town Council direction provided at the Workshop.

- 2. 68 Boundary Street Park Renovations**
 - Construction and maintenance contracts complete.
 - **Next Steps**
 - Fabricate Martin Family dedication sign prior to 4/8/2021 park dedication.

- 3. Calhoun Street Dock and Public Riverfront Access Improvements**
 - Dock construction is complete.
 - **Next Steps**
 - Complete installation of Dock signage.

4. Wright Family Park

- Bulkhead, boardwalk, restroom building, perimeter sidewalks, landscaping and parking area are complete.
- Site signage, and furniture are 99% complete.
- **Next Steps**
 - Coordinate Ribbon Cutting Ceremony as pandemic allows.
 - Additional benches are on reorder and will be installed in February 2021.
 - Prepare change order to add a sidewalk connection from park to the hammerhead/dock.

5. Oscar Frazier Park

- **Next Step**
 - Sidewalk construction complete.
 - Continue planning of future improvements in FY 2022.

6. New Riverside Barn/Park

- Submitted grant application to LWCF for \$500,000.00 funding of the initial phase of the project. Application is under review by NPS and Staff expects to hear response in the Spring of 2021.
- Archeological Report complete as needed for Grant eligibility.
- Obtained Town Council approval of the Conceptual Master Plan at the December 2020 Council meeting.
- Obtained Proposals from Thomas and Hutton for Phase 1 Engineering design.
- **Next Steps**
 - Hart Howerton to complete Design Development drawings for Phase 1 site development and schematic design of barn improvements.
 - Complete construction drawings, cost estimating and permitting of Phase 1 development by July 2021.
 - Phase 1 bidding and construction anticipated to begin in FY 2022.

TOWN FACILITIES AND MISCELLANEOUS PLANNING**1. Buckwalter Place Multi-County Commerce Park**

- Buckwalter Place Park and Veterans Memorial are complete. Additional work was approved to modify irrigation system conversion from irrigation pond to BJWSA system.
- Executed contracts for Buckwalter Park restroom design with Thomas and Hutton and Pearce Scott Architects.
- Site planning for future development parcel underway with Cranston Engineering.
- Prepared estimate of probable construction cost and appraisal for future development site.

- **Next Steps**
 - Complete irrigation conversion at Park by January 2021.
 - Review progress plans for restroom building and utility extensions at Buckwalter Park.
 - Continue site planning for future development parcel.
- 2. Town of Bluffton Housing Project**
- Surveying and geotechnical services complete for 1095 May River Road and 115 Bluffton Road sites.
 - **Next Steps**
 - Planning and design to begin in FY 2021 as directed by Joint Venture Agreement.
 - Assist with the preparation of a comprehensive cost estimate for planning, design and construction for the various housing projects.
- 3. Law Enforcement Center Facility Improvements**
- Parking and Service Yard Expansion construction began in December 2020 with CBG Siteworks Construction.
 - Interior paint of Substation complete.
 - **Next Steps**
 - Continue construction of LEC service yard and parking improvements. Construction anticipated to be complete by the July 2021.
 - Information Technology department coordinating upgrades to building security systems.
- 4. Ghost Roads**
- Surveying and easement exhibits are complete.
 - Pritchard Street Quit Claim Deed exhibits are 95% complete.
 - The Town Attorney is working with Bridge Street property owners to obtain Quit Claim Deeds and agreement to extend service to homes.
 - Staff is meeting with individual property owners to raise awareness of the acquisition efforts and communicate next steps.
 - **Next Steps**
 - Continue meeting with individual property owners and obtaining quit claim deeds.
- 5. Community Safety Cameras**
- Cameras have been installed at Bluffton Road Public Parking Lot, Veterans Park, Wright Family Park, Calhoun Street Dock .
 - 14 older cameras in the network have been replaced.
 - **Next Steps**
 - Continue with camera replacements and upgrades as necessary.

6. Public Works Facility Improvements

- Finalize the plans for expanding of Public Works yard.
- Install new plumbing/ electric for the washer and dryer.
- **Next Steps**
 - Begin permitting and bid for the expansion of the yard.
 - Bid the installation of the plumbing / electric.

7. Rotary Community Center Facility Improvements

- Replace the hardwood floor in the main area.
- **Next Steps**
 - Request bids for the replacement of the new floor.

8. Watershed Management Facility Improvements

- Remove the carpet and install new flooring in the rear office space.
- **Next Steps**
 - Request quotes on completing the new flooring in the office.

DIVISION/STAFF UPDATES**Project Management**

Thirty-five (35) CIP projects are currently in progress. Don Ryan Center, Veteran Memorial, Buckwalter Park and BIS Phase 5 sidewalks, Wright Family Park and the Calhoun Street Dock have recently been completed. CIP projects including BIS Phase 5E sewer, and Pritchard Street sewer are currently under construction and nearing completion. The LEC Parking Expansion, BIS Phase 5A-D Sewer started construction in December 2020, and the Boundary Street Lighting projects is expected to start construction in March 2021. The remaining CIP projects are in the design phase and several are planned for construction in FY 2022.

Watershed Management**1. Southern Lowcountry Regional Board (SoLoCo)****a. Regional Southern Lowcountry Post Construction Stormwater Ordinance and Design Manual**

- Via concurrence of the Mayor and direction by the Town Manager, staff has participated in the SoLoCo Technical Working Group to develop a regional stormwater model ordinance and design manual and investigate the viability of a regional stormwater authority.
- 8/27/20 Unanimous recommendation from May River Watershed Action Plan Advisory Committee for adoption.
- 10/28/20 Unanimous recommendation from Planning Commission for adoption.
- 12/8/20 Town Council – 1st reading with unanimous approval.
- **Next Steps**
 - 2/9/21 Town Council – Public Hearing and 2nd reading.
 - Anticipated implementation date of 3/1/21.

2. Sea Level Rise Task Force

- Following Beaufort County's presentation and request for regional participation at the 10/22/19 SoLoCo meeting, staff is attending the Sea Level Rise Task Force meetings to discuss a possible No Fill Ordinance and county-wide sea level rise adaptation strategies.
- Meetings continue to discuss projected impacts of sea level rise on the region with a focus on ways that local government can respond through policies, ordinances and projects to mitigate the potential impacts of sea level rise.
- Internal staff reviews of draft documents complete and feedback provided to Task Force.
- Task Force met 12/15/20 and 12/18/20 to prioritize recommendations for final document.
- **Next Steps**
 - Beaufort County to present and request a recommendation from SoLoCo for regional partners to adopt.

3. 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 to BJWSA's "call for projects" request that prioritizes May River Watershed sewer projects.
- **Next Steps**
 - Staff is drafted a letter to Beaufort County requesting a commitment to cost-sharing sewer projects.

4. 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

5. **May River Watershed Action Plan Implementation Summary - Attachment 2**
6. **Municipal Separate Storm Sewer System (MS4) Program Update**
 - Staff is currently updating 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.
7. **MS4 Minimum Control Measure (MCM) - #1 Public Education and Outreach, and MS4 MCM - #2 Public Participation and Involvement**
 - No Beaufort County Stormwater Utility Board meeting in January 2021.
 - The May River Watershed Action Plan Advisory Committee met 1/21/21. The Committee unanimously recommended that Town Council adopt the May River Watershed Action Plan Update. **Attachment 3**
 - Staff is working the Town Digital Communication Manager to promote a series of MS4 stormwater educational tips and reminders for the Bluffton community via the Town's Facebook page.
 - Staff has tentatively set the date for the 2021 May River Cleanup for 5/01/21. Over the next several months, staff will be working to secure partnerships and coordinate this event.
8. **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 will conduct sampling on 1/14/21. Staff will notify Council and Senior Staff of any pertinent findings from this sampling event via email.
 - Illicit Discharge Investigations – **Attachment 4e**
9. **MS4 MCM – #4 Construction Site Stormwater Runoff Control – Attachment 5**
10. **MS4 MCM – #5 Stormwater Plan Review and Related Activity – Attachment 6**
11. **MS4 MCM – #6 Good Housekeeping (Staff Training/Education)**
 - Staff participated in the US Coastal Research Program's Human & Ecosystem Health Workkkshop Series.
 - Staff participated in a Sontek IQ-flow monitoring equipment training on 1/14/21.
12. **Citizen Drainage, Maintenance, and Inspections Concerns Map – Attachment 7**

13. Citizen Request for Watershed Management Services & Activities – Attachment 8

Public Works

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

- Performed weekly street sweeping on Calhoun Street, Highway 46, Bruin Road, May River Road, Pin Oak Street, and curbs and medians on Simmonsville and Buck Island Roads.
- Performed ditch inspections
 - Arrow ditch (2,569 LF)
 - Red Cedar ditch (966 LF)
 - Buck Island roadside ditch (15,926 LF)
 - Simmonsville roadside ditch (13,792 LF)
- Ongoing roadside mowing, litter clean-up and maintenance of Masters' Way, McCracken Circle, Hampton Parkway, Buck Island and Simmonsville Roads, Goethe Road, Shults Road, Jason and Able Streets, Whispering Pine Road, May River Road and Eagles Field.
- Ongoing mowing of the New River side trail and field at New River barn.
- Beautification Program –Landscape Maintenance - ongoing routine.

2. Facilities

- Facilities and Parks Maintenance - ongoing routine.

3. Public Works Activities Report - Attachment 10

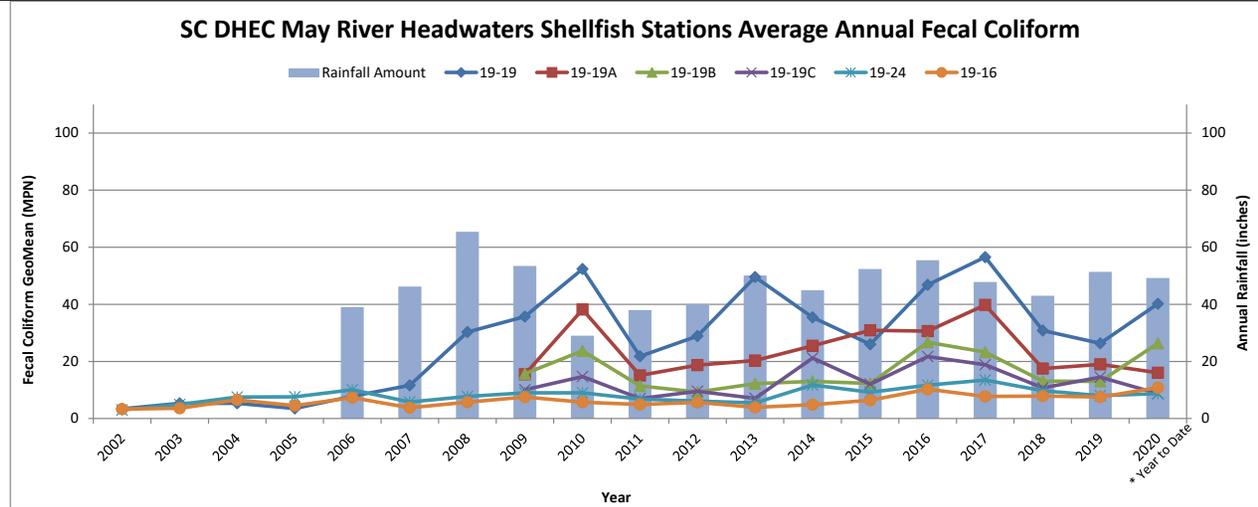
Attachments

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. Beautification Committee Agenda
10. Public Works Activities Report
11. CIP Project Schedules

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

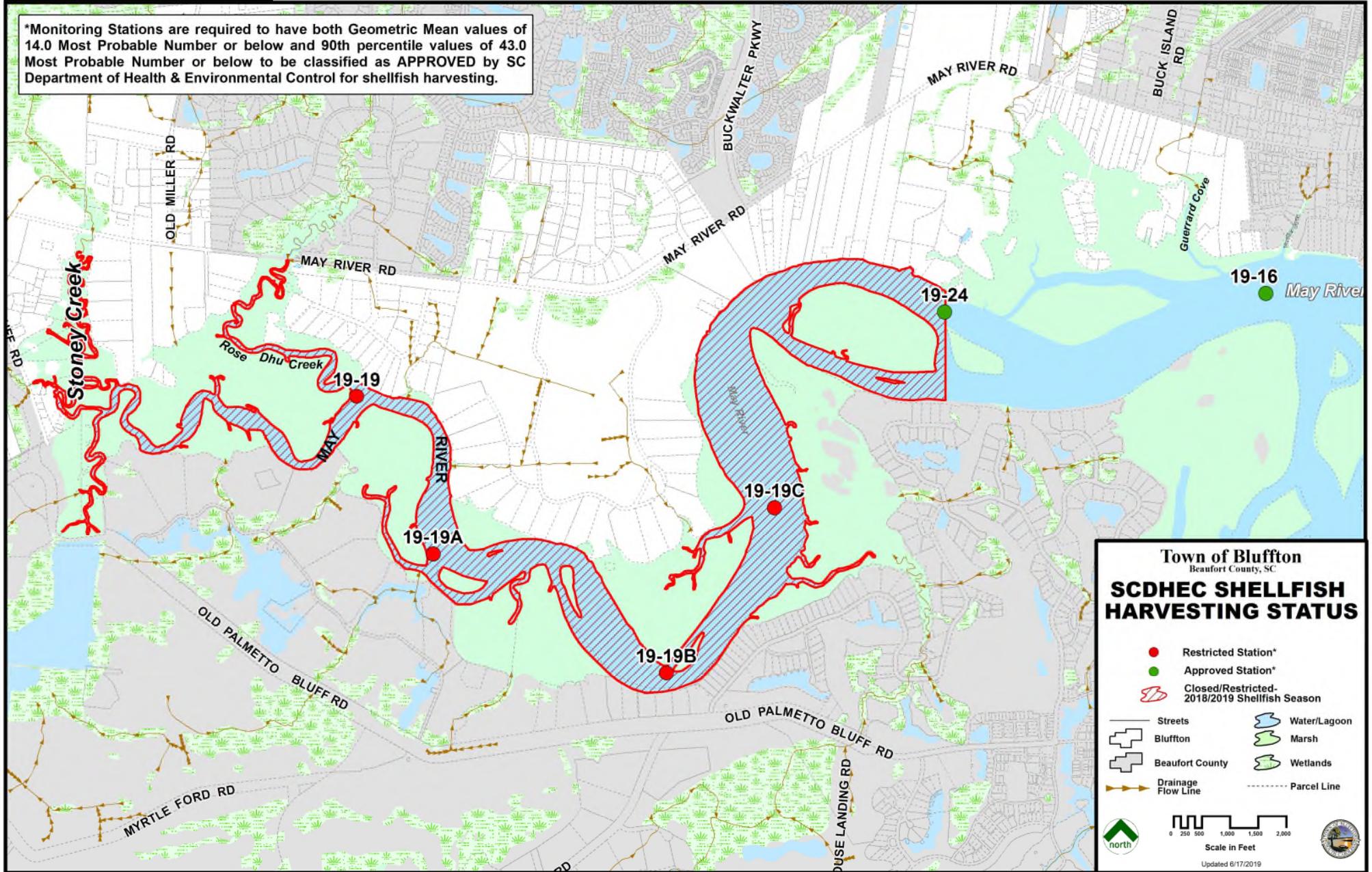
	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
	Fecal Coliform (MPN)																							
December	1600.0	79.0	170.0	17.0	920.0	49.0	33.0	22.0	540.0	33.0	140.0	17.0	240.0	46.0	33.0	4.5	220.0	23.0	13.0	4.0	49.0	21.0	110.0	11.0
November	49.0	49.0	17.0	70.0	33.0	13.0	6.8	31.0	7.8	23.0	7.8	17.0	31.0	17.0	11.0	13.0	2.0	17.0	4.5	13.0	2.0	7.8	2.0	4.5
October	22.0	79.0	7.8	49.0	49.0	23.0	4.5	79.0	33.0	7.8	2.0	31.0	23.0	7.8	4.5	21.0	6.8	7.8	1.8	33.0	2.0	2.0	2.0	79.0
September	17.0	49.0	79.0	110.0	7.8	23.0	33.0	49.0	11.0	13.0	6.8	49.0	4.5	17.0	17.0	33.0	2.0	17.0	4.5	33.0	1.8	17.0	1.8	33.0
August	79.0	70.0	70.0	49.0	70.0	23.0	49.0	49.0	21.0	13.0	33.0	23.0	33.0	4.5	22.0	23.0	33.0	7.8	7.8	17.0	33.0	17.0	17.0	22.0
July	350.0	23.0	4.5	33.0	110.0	33.0	13.0	13.0	130.0	11.0	7.8	23.0	49.0	7.8	17.0	7.8	49.0	13.0	22.0	7.8	22.0	4.5	13.0	17.0
June	23.0	11.0	33.0	NS	49.0	23.0	49.0	NS	13.0	23.0	49.0	NS	17.0	7.8	46.0	NS	7.8	4.5	13.0	NS	4.5	1.8	4.5	NS
May	17.0	17.0	7.8	70.0	23.0	33.0	9.2	49.0	7.8	17.0	7.8	23.0	2.0	13.0	2.0	22.0	23.0	23.0	6.8	6.8	4.5	13.0	4.5	4.5
April	7.8	33.0	23.0	33.0	23.0	13.0	13.0	33.0	4.5	17.0	7.8	13.0	7.8	17.0	6.8	6.8	13.0	49.0	23.0	13.0	4.5	17.0	6.8	13.0
March	350.0	22.0	23.0	170.0	11.0	21.0	23.0	49.0	33.0	4.5	6.8	130.0	13.0	11.0	13.0	49.0	13.0	7.8	7.8	70.0	33.0	9.3	4.5	33.0
February	13.0	17.0	64.0	17.0	7.8	7.8	33.0	7.8	13.0	17.0	23.0	21.0	9.3	17.0	31.0	4.5	4.5	2.0	6.8	4.5	1.8	7.8	13.0	6.8
January	95.0	13.0	23.0	95.0	79.0	2.0	23.0	33.0	31.0	4.5	13.0	33.0	49.0	2.0	33.0	17.0	27.0	1.8	7.8	17.0	33.0	4.5	23.0	17.0
Additional Samples																								
Average Annual GeoMean	56.5	30.8	26.4	51.4	39.8	17.5	19.0	31.9	23.3	13.1	13.0	27.3	18.8	10.7	14.5	14.0	13.5	9.8	8.0	13.8	7.7	7.9	7.5	15.3
** Truncated GeoMetric Mean	44.0	42.0	35.0	34.0	36.0	29.0	23.0	21.0	20.0	20.0	16.0	16.0	16.0	15.0	14.0	12.0	10.0	10.0	10.0	10.0	7.0	8.0	7.0	9.0
** Truncated 90th Percentile	203.0	176.0	168.0	106.0	133.0	115.0	89.0	59.0	83.0	71.0	63.0	50.0	57.0	56.0	52.0	37.0	37.0	44.0	38.0	31.0	29.0	30.0	32.0	35.0

NS = No Sample
 AS = Additional Samples
 ** Town staff calculations utilizing DHEC statistics



May River Headwaters

*Monitoring Stations are required to have both Geometric Mean values of 14.0 Most Probable Number or below and 90th percentile values of 43.0 Most Probable Number or below to be classified as APPROVED by SC Department of Health & Environmental Control for shellfish harvesting.



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/Simmons Road (BIS) Phases I, II, III, IV; Toy Fields; and Jason/Able. 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. Contract signed on 12/4/20 and kick-off meeting held on 12/16/20.
Stoney Creek Wetlands Restoration: Preliminary Design Phase	Project on hold following Council direction on 5/31/17.
May River Watershed Water Quality Model	Contract awarded to McCormick Taylor with final deliverables received 11/20. <i>Final Report as the May River Watershed Action Plan Update reviewed during Town Council Workshop on 1/19/21, WAPAC recommendation to adopt on 1/21/21, and Town Council adoption anticipated 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</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>
Water Quality Monitoring Program (MS4 Minimum Control Measure #3)	<ol style="list-style-type: none"> 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>

ACTIVITY - PROGRAMS continued	STATUS continued
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>



**TOWN OF BLUFFTON
MAY RIVER WATERSHED ACTION PLAN ADVISORY COMMITTEE MEETING
ELECTRONIC MEETING**

Thursday, January 21, 2021 | 9 AM

AGENDA

This meeting can be viewed on the Town of Bluffton's Facebook page
(<https://www.facebook.com/TownBlufftonSC/>)

- I. CALL TO ORDER**
- II. NOTICE REGARDING POSTING OF MEETING PER SOUTH CAROLINA FREEDOM OF INFORMATION (FOIA) REQUIREMENTS**
- III. ROLL CALL AND CONFIRMATION OF QUORUM**
- IV. ADOPTION OF AGENDA**
- V. ADOPTION OF MINUTES – December 3, 2020**
- VI. PUBLIC COMMENTS**

Public Comments may be submitted electronically via the Town's website at (<https://www.townofbluffton.sc.gov/FormCenter/Town-15/Public-Comment-60>) or by emailing your comments to the Stormwater Coordinator at ldelhomme@townofbluffton.com. Comments will be accepted up to close of business (5:30 PM) the day prior to the scheduled meeting start time. All comments will be read aloud for the record.

- VII. NEW BUSINESS**
 - 1. Welcome New Town of Bluffton Stormwater Coordinator/Field Assistant**
 - 2. May River Watershed Action Plan Update**

- VIII. OLD BUSINESS**

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

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

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

1. Water Quality Monitoring Program (standing item)
 - A. Monthly Sampling Update
 - B. Microbial Source Tracking (MST) Update
 - C. SCDHEC Shellfish Data Update

IX. DISCUSSION

X. ADJOURNMENT

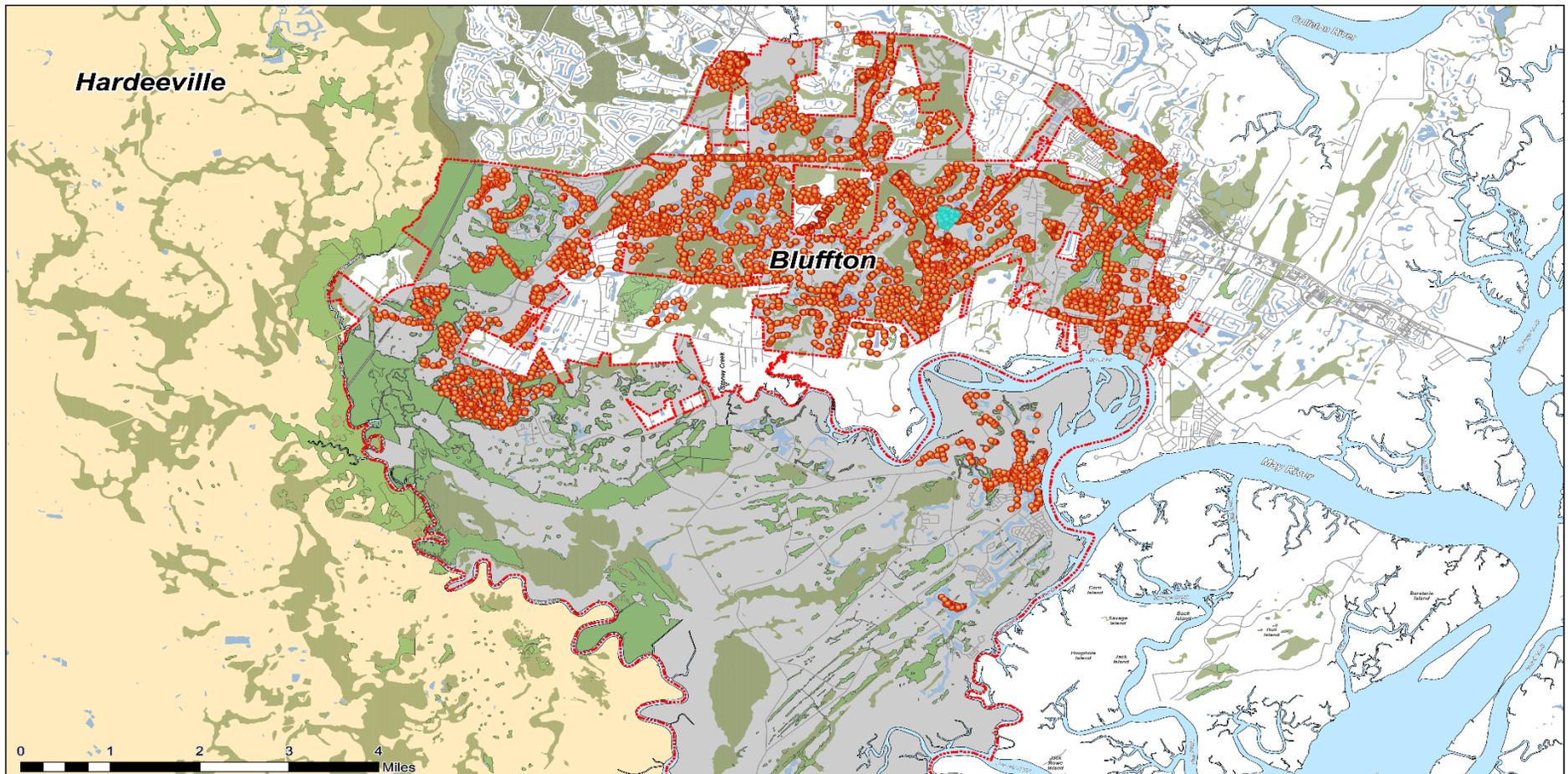
NEXT MEETING DATE: Proposed 9:00 AM, Thursday, February 25, 2021

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

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

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

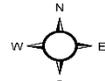


- SW STRUCTURE
- SW PIPE
- TOWN OF BLUFFTON
- BEAUFORT COUNTY
- JASPER COUNTY
- WETLAND
- WATER
- ROADS

Town of Bluffton
Beaufort County, SC

STORMWATER INFRASTRUCTURE

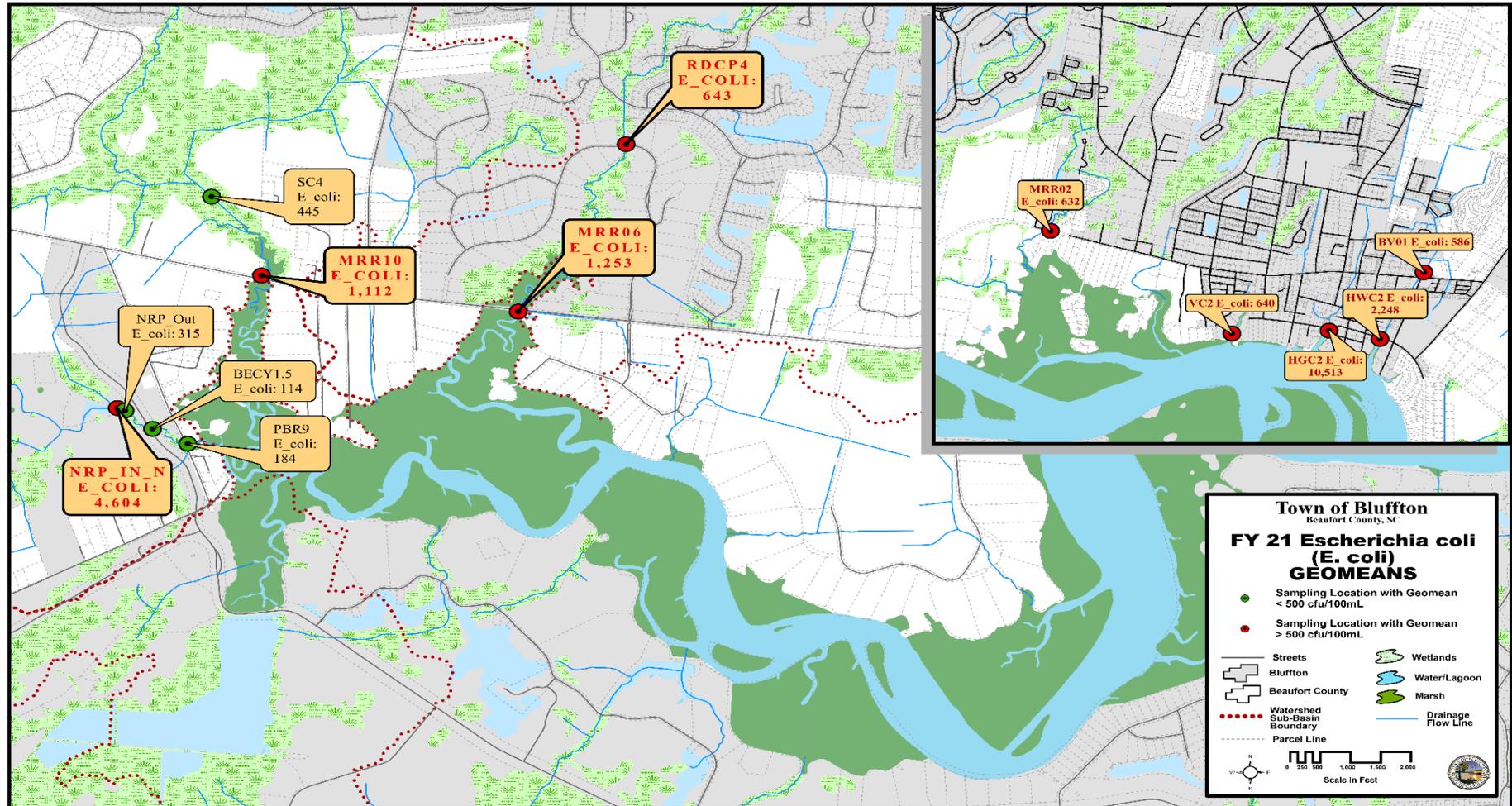
This map was prepared by the Town of Bluffton, Beaufort County, South Carolina, for the purpose of providing information to the public. It is not intended to be used for any other purpose. The Town of Bluffton, Beaufort County, South Carolina, is not responsible for any errors or omissions in this map.

Updated Date: 1/19/2021

Stormwater Infrastructure Inventory Collection Status	
FY 2021 YTD Collection Totals	869
FY 2020 Collection Totals	4,878
FY 2019 Collection Totals	2,925
FY 2018 Collection Totals	3,777

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



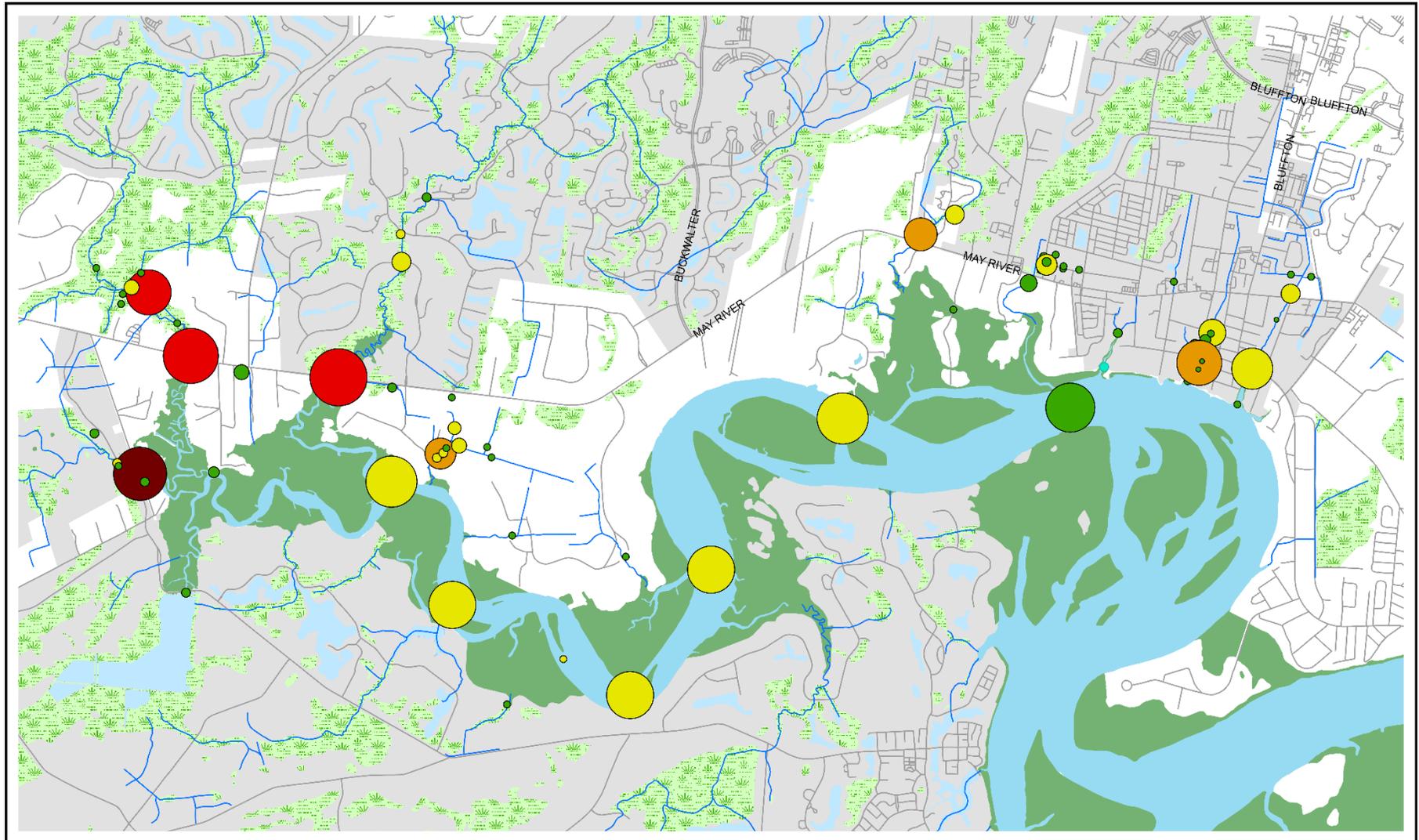
E coliform geomeans updated as of: 1/19/2021

	USCB Water Quality Samples	Microbial Source Tracking Samples	MS4 Quarterly Samples Collected
FY 2021 YTD Totals	211	53	54
FY 2020 Totals	223	115	123
FY 2019 Totals	280	193	264
FY 2018 Totals	216	217	224

1/20/2021

- MST program began November 2016; MS4 Quarterly Sampling initiated 2/2017
- Totals include only samples submitted for laboratory analysis, and not *in situ* parameters.

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



 Town Jurisdiction
 Beaufort County
 Drainage Flow Lines

Positive Hits

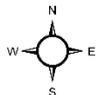
 0
  1-3
  3-6
  6-9
  >10

Times Sampled

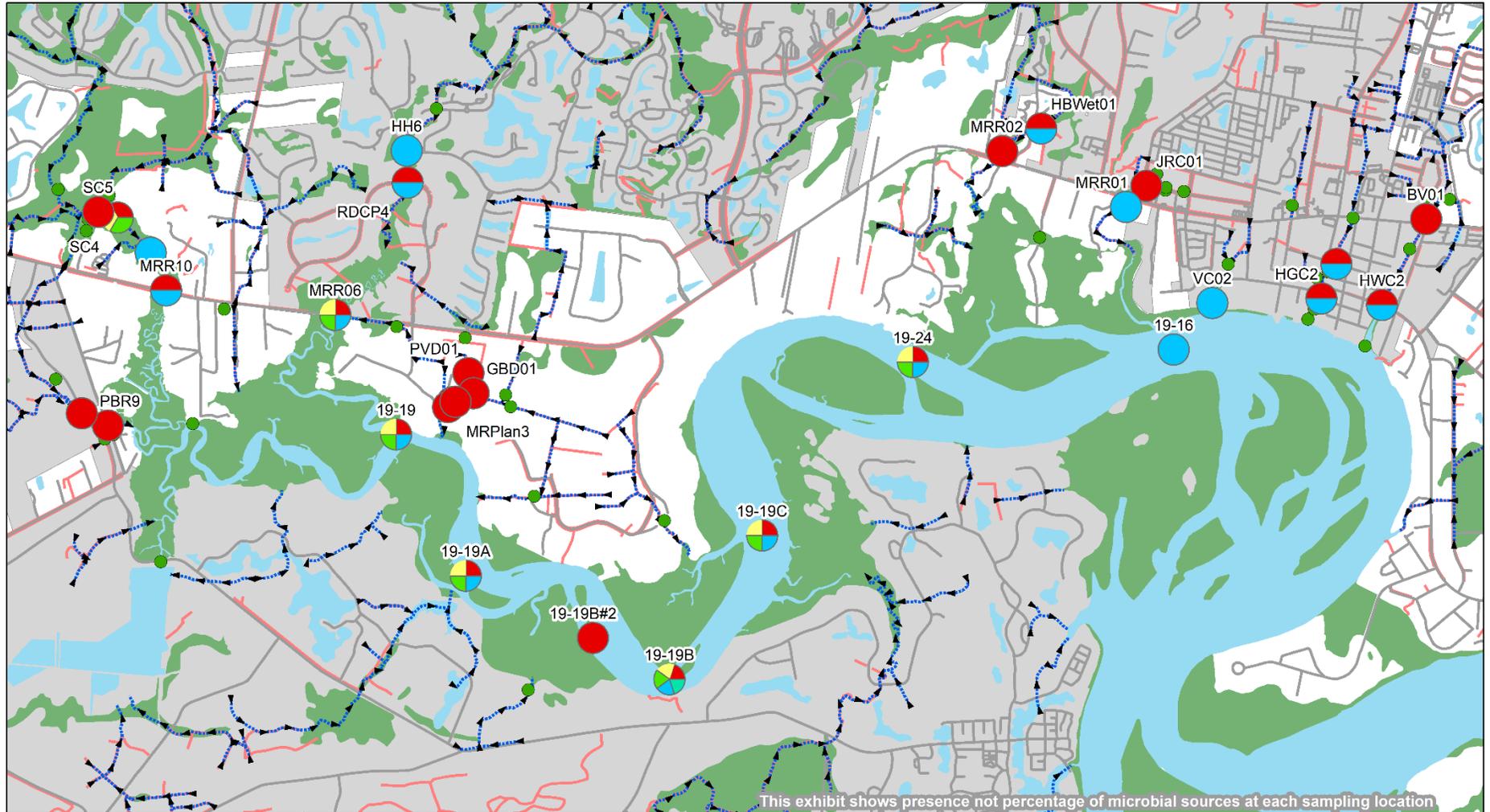
 1 - 3
  4 - 6
  7 - 10
  >10

Size of dot correlates to # of times the site has been sampled.

Updated Date: 1/19/2021



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



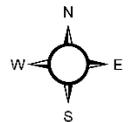
-  Microbial Sources
-  Human
-  Bird
-  Deer
-  Dog
-  Horse
-  MST Sampling Location Without Detection
-  Flowline
-  Drainage Ditch
-  Street
-  Town Jurisdiction

Microbial Sources Detected Within the May River 2017 - 2021

Town of Bluffton
Beaufort County, SC

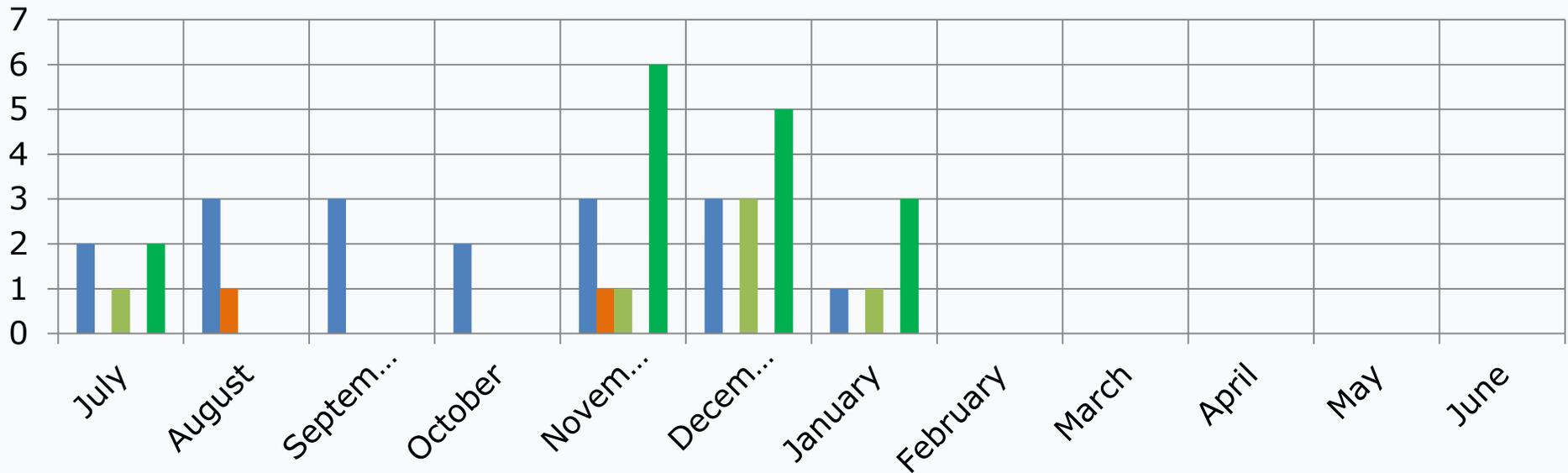
Date: 11/17/2020

DISCLAIMER:
This map was created for the Stormwater Management Department of the Town of Bluffton, SC. It is intended to be used as a general informational tool for the Town of Bluffton. The data was collected from the Town of Bluffton's Stormwater Management Department. The data is not intended to be used for any other purpose. The Town of Bluffton makes no warranty, expressed or implied, as to the accuracy, completeness, or timeliness of the information contained herein. The Town of Bluffton is not responsible for any errors or omissions in this map. The Town of Bluffton is not responsible for any damages, including consequential damages, arising from the use of this map. The Town of Bluffton is not responsible for any damages, including consequential damages, arising from the use of this map.



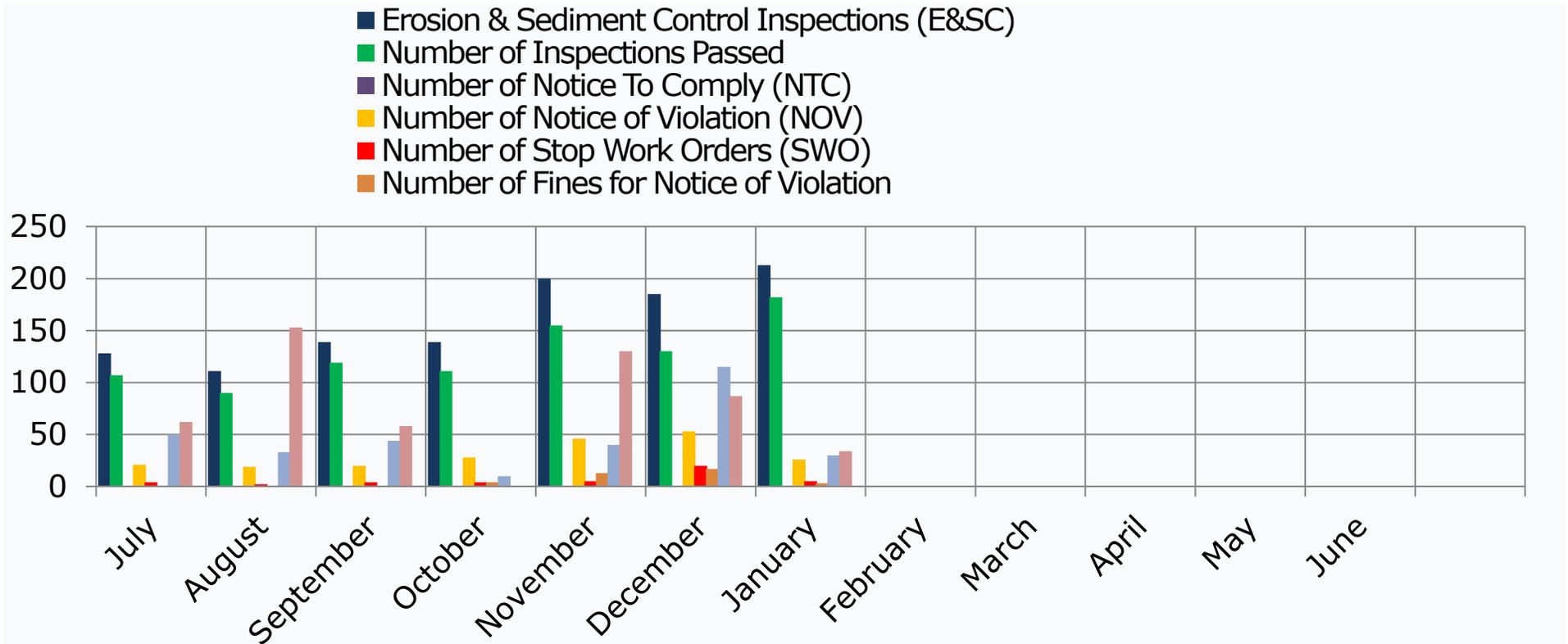
MS4 Minimum Control Measure #3 – IDDE: Illicit Discharge Investigations

- Number of Illicit Discharge Investigations
- Number of Notice To Comply
- Number of Notice of Violation
- Number of NOV Enforcement Actions
- Number of Meetings



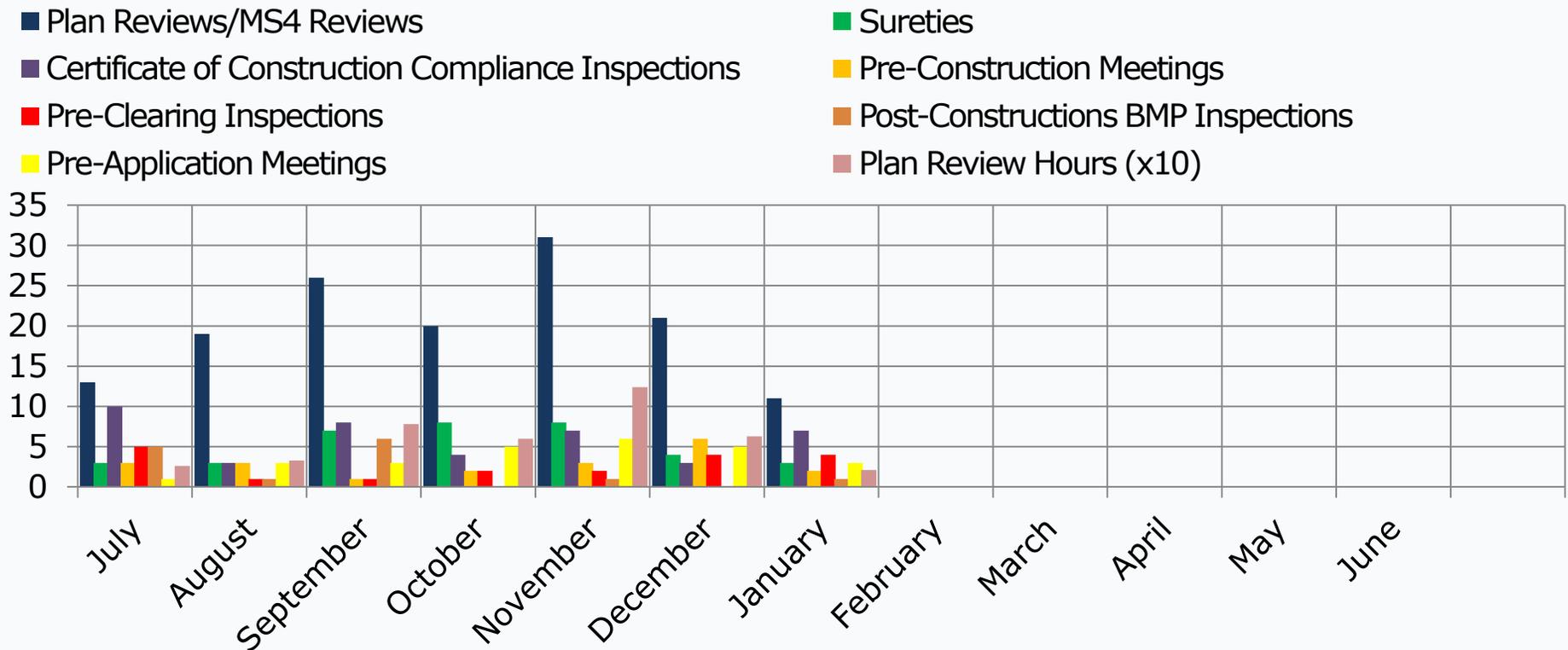
	Number of Illicit Discharge Investigations	Number of Notices To Comply Issued	Number of Notices of Violation Issued	Number of NOV Enforcement Actions	Number of Meetings
FY 2021 YTD Totals	17	8	2	0	16
FY 2020 Totals	45	10	8	6	49
FY 2019 Totals	38	20	3	1	61
FY 2018 Totals	48	20	4	2	60

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



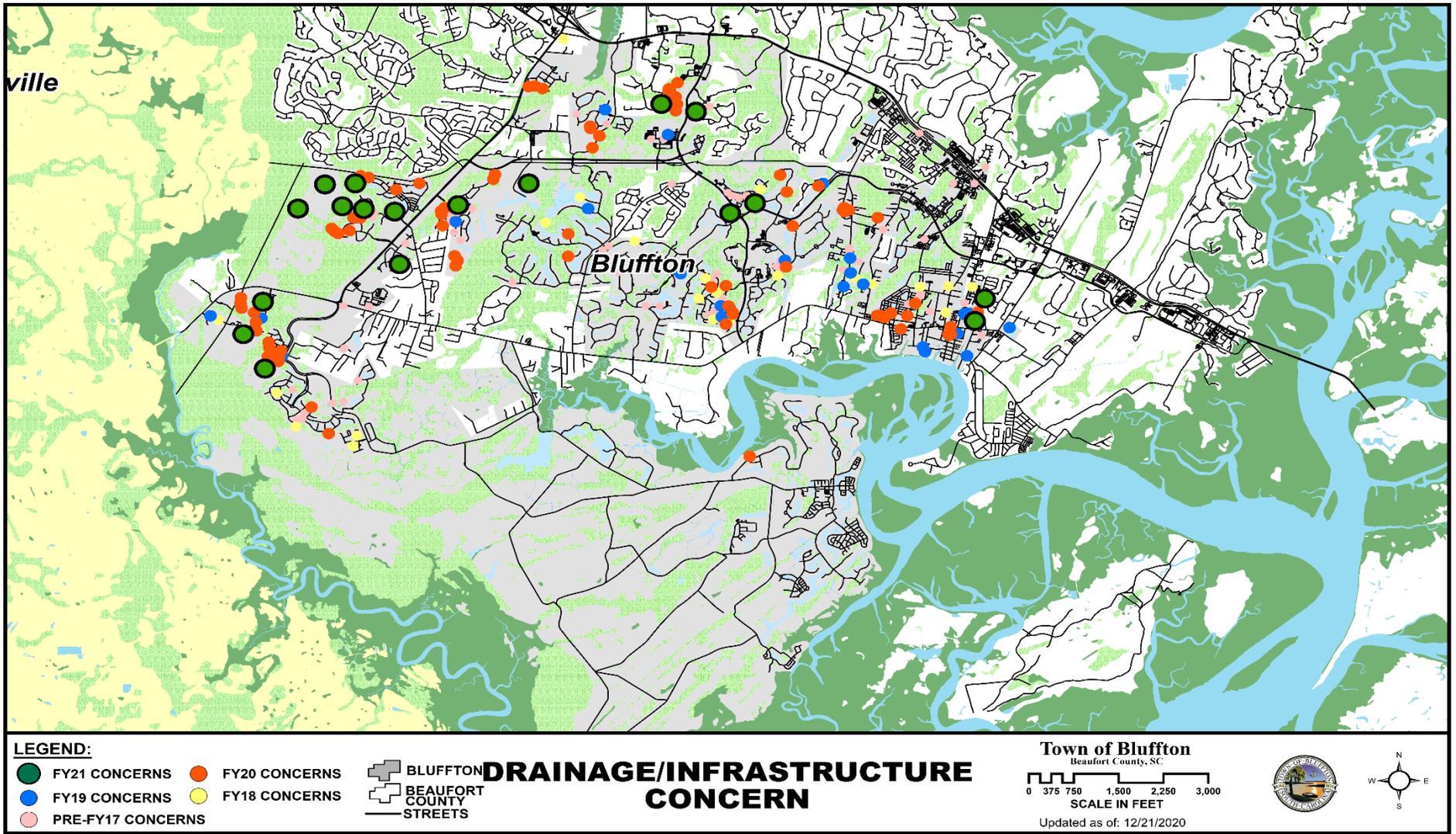
	Number of Sediment & Erosion Control Inspections	Number of Inspections Passed	Number of NTC Issued	Number of NOVs Issued	Number of SWO Issued	Number of NOV Enforcement Actions	Number of E&SC Meetings
FY 2021 YTD Totals	1098	912	N/A	179	25	20	248
FY 2020 Totals	1,517	1187	128	185	16	9	496
FY 2019 Totals	1,688	1,384	254	72	N/A	7	403

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



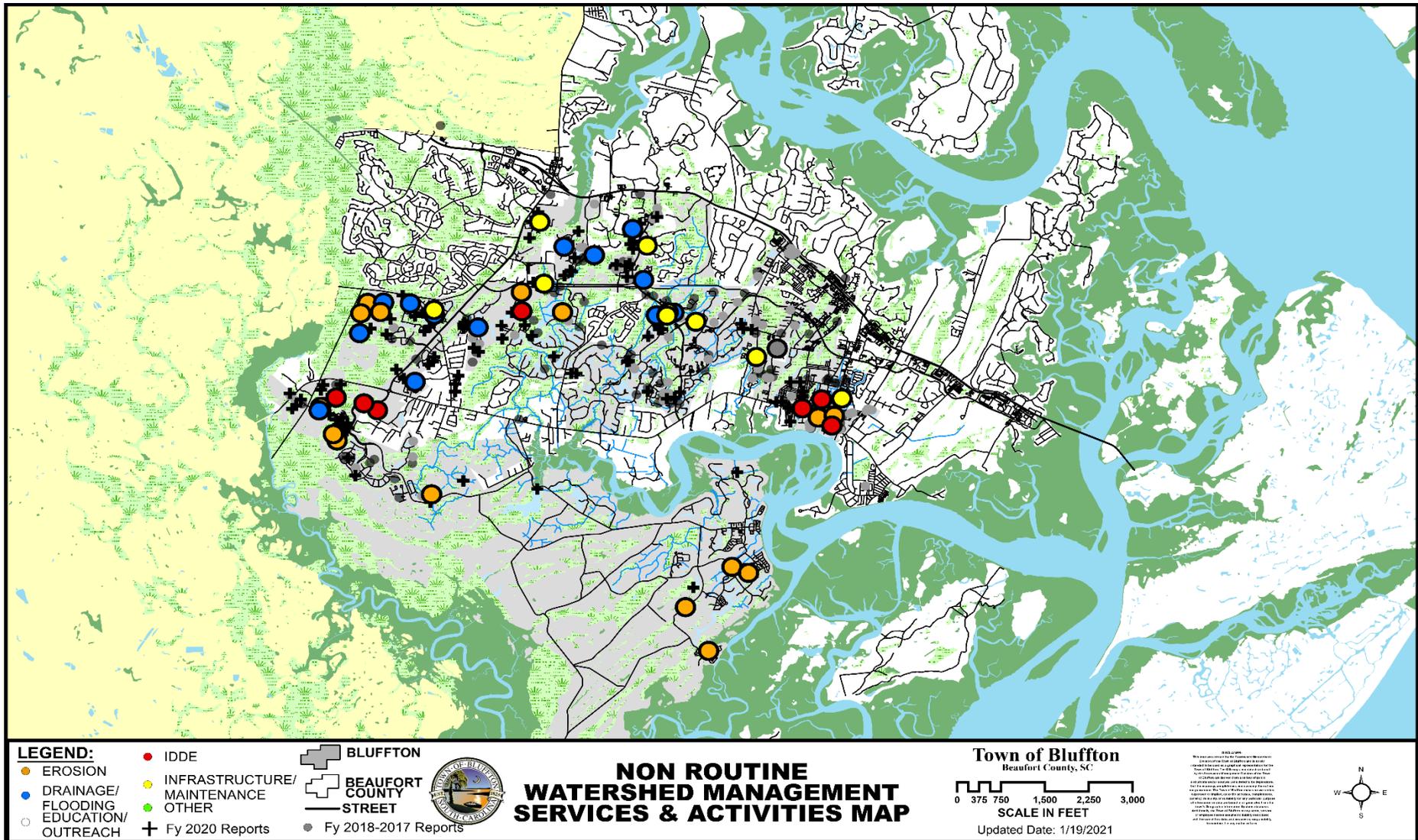
	Plan Reviews MS4 Reviews	Sureties	Certificate of Construction Compliance Inspections	Pre-Construction Meetings	Pre-Clearing Inspections	Post Construction BMP Inspections	Pre-Application Meetings	Total Plan Review Hours
FY 2021 YTD Totals	120	32	39	13	15	14	21	342 Hrs.
FY 2020 Totals	176	53	46	36	17	8	36	789 Hrs.
FY 2019 Totals	208	52	53	47	37	27	63	1,040 Hrs.

Citizen Drainage, Maintenance and Inspections Concerns Map



	Number of Drainage Concerns Investigated	Number of Meetings
FY 2021 YTD Totals	18	25
FY 2020 Totals	68	76
FY 2019 Totals	54	59

Citizen Request for Watershed Mngt. Services & Activities Map



	Number of Citizen Requests Investigated	Number of Meetings
FY 2021 YTD Totals	27	29
FY 2020 Totals	99	102
FY 2019 Totals	75	79



PUBLIC NOTICE

The Beautification Committee (BC)
Meeting scheduled for

Thursday, January 21, 2021,
at 10:00 a.m.

Has been CANCELED
due to lack of agenda items

The next meeting is scheduled for
Thursday, February 18, 2021

If you have questions, please contact
Engineering at: 843-706-4599

Public Works Activities Report

Week	# of Activities	Labor Cost	Equipment Cost	Other Cost	Total
FY21WK1	61	\$4,397.00	\$3,188.00		\$7,584.00
FY21WK2	56	\$5,474.00	\$3,574.00	\$121.00	\$9,168.00
FY21WK3	48	\$4,880.00	\$3,502.00		\$8,382.00
FY21WK4	62	\$5,828.00	\$3,970.00		\$9,799.00
FY21WK5	45	\$4,706.00	\$3,575.00		\$8,281.00
FY21WK6	54	\$5,645.00	\$3,114.00		\$9,126.00
FY21WK7	60	\$4,855.00	\$4,232.00		\$9,087.00
FY21WK8	67	\$5,118.00	\$4,221.00		\$9,339.00
FY21WK9	50	\$5,784.00	\$3,923.00		\$9,707.00
FY21WK10	54	\$6,131.00	\$4,248.00	\$21.00	\$10,400.00
FY21WK11	41	\$4,677.00	\$2,740.00		\$7,417.00
FY21WK12	70	\$5,580.00	\$2,587.00	\$326.00	\$8,494.00
FY21WK13	94	\$5,864.00	\$5,084.00		\$10,949.00
FY21WK14	49	\$6,171.00	\$4,261.00		\$10,431.00
FY21WK15	53	\$5,870.00	\$4,059.00		\$9,929.00
FY21WK16	62	\$5,239.00	\$3,531.00		\$8,771.00
FY21WK17	77	\$4,660.00	\$3,769.00	\$364.00	\$8,792.00
FY21WK18	45	\$4,679.00	\$3,417.00		\$8,096.00
FY21WK19	62	\$6,186.00	\$7,048.00		\$13,234.00
FY21WK20	41	\$4,135.00	\$2,633.00		\$6,768.00
FY21WK21	51	\$5,446.00	\$3,073.00		\$8,519.00
FY21WK22	39	\$3,229.00	\$3,599.00		\$6,828.00
FY21WK23	51	\$5,072.00	\$3,014.00		\$8,085.00
FY21WK24	76	\$6,073.00	\$5,257.00		\$11,329.00
FY21WK25	56	\$4,245.00	\$2,976.00		\$7,221.00
FY21WK26	38	\$1,890.00	\$1,936.00		\$3,826.00
FY21WK27	50	\$4,417.00	\$4,060.00		\$8,477.00
FY21WK28	69	\$5,753.00	\$4,185.00		\$9,938.00
FY21WK29	36	\$4,703.00	\$6,365.00		\$11,069.00
FY21WK30					
FY21WK31					
FY21WK32					
FY21WK33					
FY21WK34					
FY21WK35					
FY21WK36					
FY21WK37					
FY21WK38					
FY21WK39					
FY21WK40					
FY21WK41					
FY21WK42					
FY21WK43					
FY21WK44					
FY21WK45					
FY21WK46					
FY21WK47					
FY21WK48					
FY21WK49					
FY21WK50					
FY21WK51					
FY21WK52					
Total	1617	\$146,707.00	\$111,141.00	\$832.00	\$259,046.00

BUCKWALTER PLACE PARK RESTROOMS
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Sep	Oct	Nov	Dec	2021 Jan	Feb	Mar	Apr	May	Jun	Jul
1	Buckwalter Place Park Restrooms	210 days	Wed 9/23/20	Tue 7/13/21											
2	Planning and Conceptual Design	59 days	Wed 9/23/20	Mon 12/14/20											
7	Final Design and Construction Documents	45 days	Tue 12/15/20	Mon 2/15/21											
10	Permitting	15 days	Tue 2/16/21	Mon 3/8/21											
13	Bidding and Contracts	91 days	Tue 3/9/21	Tue 7/13/21											

Project: 00040	Milestone	◆	Project Duration	◆	Permitting		Construction	
Date: Wed 1/27/21	Critical Task	★	Planing and Conceptual Design		Easements and Land Acquisitions			
	Task		Final Design and Construction Documents		Bidding and Contracts			

BUCKWALTER MULTI-COUNTY COMMERCE PARK
PHASE II DEVELOPMENT PARCEL - PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Half 2, 2020												Half 1, 2021					Half 2, 2021					Half 1, 2022					Half 2, 2022		
					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					
1	PHASE II DEVELOPMENT PARCEL	481 days	Mon 8/3/20	Mon 6/6/22	◆																													
2	Planning and Conceptual Design	120 days	Mon 8/3/20	Fri 1/15/21	◆																													
9	Final Design and Construction Documents	75 days	Mon 1/18/21	Fri 4/30/21													◆																	
16	Permitting	30 days	Tue 4/6/21	Mon 5/17/21																		◆												
21	Bidding and Contracts	115 days	Mon 5/10/21	Fri 10/15/21																		◆												
32	Construction	166 days	Mon 10/18/21	Mon 6/6/22																							◆							

Project: 00040 Date: Tue 1/5/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

CALHOUN STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	May	June	July	August	Septem	October	Novem	Decem	January	Februa	March	April	May	June	July	August	Septem	October	Novem	Decem	January	Februa	March	April	May	June	July	Au				
					E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B
1	CALHOUN STREET STREETScape	561 days	Mon 5/18/20	Mon 7/11/22	◆																															
2	Planning and Conceptual Design	80 days	Mon 5/18/20	Fri 9/4/20	◆																															
7	Final Planning and Construction Documents	270 days	Mon 9/7/20	Fri 9/17/21	◆																															
27	Permitting Phase	65 days	Mon 6/7/21	Fri 9/3/21	◆																															
32	Easements and Land Acquisition	276 days	Mon 6/21/21	Mon 7/11/22	◆																															

Project: 00042
Date: Wed 1/27/21

Milestone ◆
Critical Task ★

Task ◆
Project Duration ◆

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

Permitting ◆
Easements and Land Acquisitions ◆
Construction ◆

HISTORIC DISTRICT STREETScape AND DRAINAGE IMPROVEMENTS PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2021
					Nov Dec Jan Feb Mar Apr May Jun Jul Aug
1	Traffic Calming Study and AME Church Rain Garden	194 days	Mon 11/16/20	Thu 8/12/21	
2	Planning and Conceptual Design	163 days	Mon 11/16/20	Wed 6/30/21	
7	Final Design and Construction Documents	56 days	Mon 12/28/20	Mon 3/15/21	
10	Permitting	30 days	Mon 12/28/20	Fri 2/5/21	
14	Easements and Land Acquisition	10 days	Mon 1/18/21	Fri 1/29/21	
17	Bidding and Contracts	48 days	Tue 3/16/21	Thu 5/20/21	
22	Construction	60 days	Fri 5/21/21	Thu 8/12/21	

Project: 00050 Date: Tue 1/5/21	Milestone	◆	Project Duration	◆————◆	Permitting		Construction	
	Critical Task	★	Planing and Conceptual Design		Easements and Land Acquisitions			
	Task		Final Design and Construction Documents		Bidding and Contracts			

**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			
					Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep		
1	GOETHE/SHULTS NEIGHBORHOOD IMPROVEMENTS PHASE 2	878 days	Mon 4/30/18	Wed 9/8/21																								
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	71 days	Tue 12/1/20	Tue 3/9/21																								
37	CONSTRUCTION	151 days	Wed 3/10/21	Wed 10/6/21																								

Project: 00055
Date: Tue 1/5/21

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

OYSTER FACTORY PARK
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020 2021 2022																																			
					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		
1	Oyster Factory Park	686 days	Mon 10/14/19	Mon 5/30/22	◆																																			
2	Planning and Conceptual Design	394 days	Mon 10/14/19	Thu 4/15/21	◆																																			
11	Easement and Land Acquisition	35 days	Tue 5/11/21	Mon 6/28/21	◆																																			
13	Construction	250 days	Tue 6/15/21	Mon 5/30/22	◆																																			

Project: 00059 Date: Tue 1/5/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

BOUNDARY STREET LIGHTING
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020												2021									
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
1	BOUNDARY STREET LIGHTING PHASE 2	451 days	Mon 7/8/19	Mon 3/29/21	◆—————◆																					
2	Planning and Conceptual Design	425 days	Mon 7/8/19	Fri 2/19/21	◆—————◆																					
13	Permitting	90 days	Mon 1/20/20	Fri 5/22/20	◆—————◆																					
15	Easements and Land Acquisition	210 days	Fri 5/1/20	Thu 2/18/21	◆—————◆																					
18	Construction	206 days	Mon 6/15/20	Mon 3/29/21	◆—————◆																					

Project: 00069 Date: Tue 1/5/21	Milestone ◆ Critical Task ★ Task 	Project Duration ◆—————◆ Planning and Conceptual Design ◆—————◆ Final Design and Construction Documents ◆—————◆	Permitting ◆—————◆ Easements and Land Acquisition ◆—————◆ Bidding and Contract ◆—————◆	Construction ◆—————◆ ◆—————◆ ◆—————◆
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HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 1
PROPOSED SCHEDULE

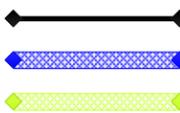
ID	Task Name	Duration	Start	Finish	Half 2, 2018		Half 1, 2019					Half 2, 2019					Half 1, 2020					Half 2, 2020					Half 1, 2021							
					J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
1	PHASE 1	713 days	Tue 7/3/18	Thu 3/25/21	◆																													
2	Planning and Conceptual Design	239 days	Tue 7/3/18	Fri 5/31/19	◆																													
9	Final Design and Construction Documents	65 days	Mon 6/3/19	Fri 8/30/19	◆																													
11	Permitting	140 days	Mon 9/2/19	Fri 3/13/20	◆																													
14	Easements and Land Acquisition	105 days	Mon 3/16/20	Fri 8/7/20	◆																													
17	Bidding and Contracts	62 days	Mon 3/16/20	Tue 6/9/20	◆																													
22	Construction	192 days	Wed 6/10/20	Thu 3/4/21	◆																													

Project: 00070
Date: Wed 1/27/21

Milestone
Critical Task
Task



Project Duration
Planing and Conceptual Design
Final Design and Construction Documents



Permitting
Easements and Land Acquisitions
Bidding and Contracts



Construction



HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 2
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Half 2, 2018												Half 1, 2019					Half 2, 2019					Half 1, 2020					Half 2, 2020					Half 1, 2021					Half 2, 2021										
					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								
1	PHASE 2	829 days	Mon 7/2/18	Thu 9/2/21	◆																																															
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	420 days	Mon 7/1/19	Fri 2/5/21	◆																																															
17	Bidding and Contracts	72 days	Mon 2/8/21	Tue 5/18/21	◆																																															
22	Construction	77 days	Wed 5/19/21	Thu 9/2/21	◆																																															

Project: 00071 Date: Tue 1/5/21	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

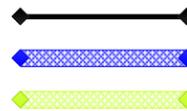
ID	Task Name	Duration	Start	Finish	Oct	Nov	Dec	2021 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	PHASE 3	294 days	Mon 11/2/20	Thu 12/16/21															
2	Planning and Conceptual Design	81 days	Mon 11/2/20	Mon 2/22/21															
9	Final Design and Construction Documents	30 days	Tue 2/23/21	Mon 4/5/21															
11	Permitting	40 days	Tue 4/6/21	Mon 5/31/21															
14	Easements and Land Acquisition	105 days	Tue 2/16/21	Mon 7/12/21															
17	Bidding and Contracts	51 days	Tue 6/1/21	Tue 8/10/21															
22	Construction	92 days	Wed 8/11/21	Thu 12/16/21															

Project: 00072
Date: Tue 1/5/21

Milestone
Critical Task
Task



Project Duration
Planing and Conceptual Design
Final Design and Construction Documents



Permitting
Easements and Land Acquisitions
Bidding and Contracts



Construction



HISTORIC DISTRICT SANITARY SEWER EXTENSION PHASE 4
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	Oct	Nov	Dec	2021 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	PHASE 4	294 days	Mon 11/2/20	Thu 12/16/21															
2	Planning and Conceptual Design	81 days	Mon 11/2/20	Mon 2/22/21															
9	Final Design and Construction Documents	30 days	Tue 2/23/21	Mon 4/5/21															
11	Permitting	40 days	Tue 4/6/21	Mon 5/31/21															
14	Easements and Land Acquisition	105 days	Tue 2/16/21	Mon 7/12/21															
17	Bidding and Contracts	51 days	Tue 6/1/21	Tue 8/10/21															
22	Construction	92 days	Wed 8/11/21	Thu 12/16/21															

Project: 00073 Date: Tue 1/5/21	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 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
1	PHASE 5	294 days	Mon 11/2/20	Thu 12/16/21	◆																
2	Planning and Conceptual Design	81 days	Mon 11/2/20	Mon 2/22/21	◆																
9	Final Design and Construction Documents	30 days	Tue 2/23/21	Mon 4/5/21	◆																
11	Permitting	40 days	Tue 4/6/21	Mon 5/31/21	◆																
14	Easements and Land Acquisition	105 days	Tue 2/16/21	Mon 7/12/21	◆																
17	Bidding and Contracts	51 days	Tue 6/1/21	Tue 8/10/21	◆																
22	Construction	92 days	Wed 8/11/21	Thu 12/16/21	◆																

Project: 00074 Date: Tue 1/5/21	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
1	PHASE 6	294 days	Mon 11/2/20	Thu 12/16/21	◆																
2	Planning and Conceptual Design	81 days	Mon 11/2/20	Mon 2/22/21	◆																
9	Final Design and Construction Documents	30 days	Tue 2/23/21	Mon 4/5/21	◆																
11	Permitting	40 days	Tue 4/6/21	Mon 5/31/21	◆																
14	Easements and Land Acquisition	105 days	Tue 2/16/21	Mon 7/12/21	◆																
17	Bidding and Contracts	51 days	Tue 6/1/21	Tue 8/10/21	◆																
22	Construction	92 days	Wed 8/11/21	Thu 12/16/21	◆																

Project: 00075
Date: Tue 1/5/21

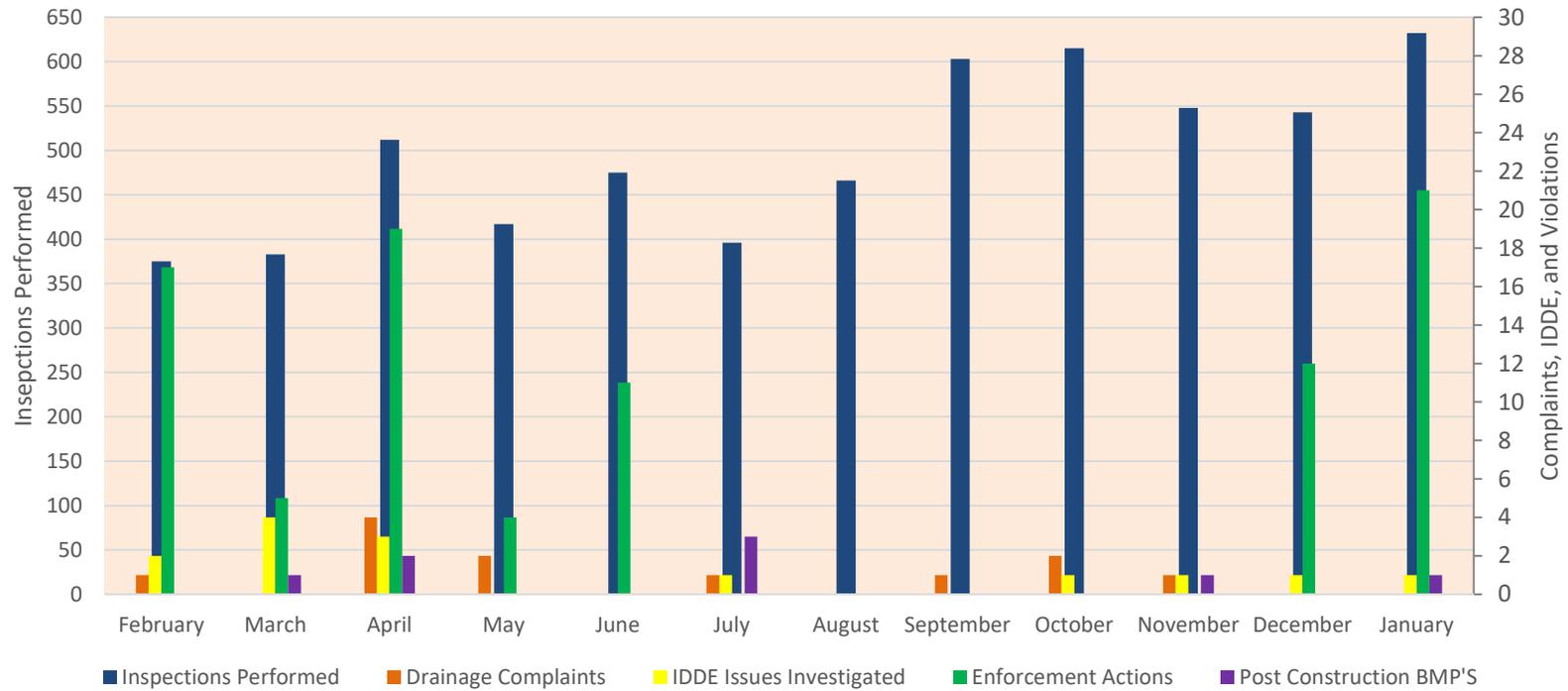
Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
Critical Task	★	Planing and Conceptual Design	◆	Easements and Land Acquisitions	◆		
Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

BRIDGE STREET STREETScape
PROPOSED SCHEDULE

ID	Task Name	Duration	Start	Finish	2020												2021												2022											
					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
1	BRIDGE STREET STREETScape	776 days	Sun 9/1/19	Fri 8/19/22	◆																																			
2	Planning and Conceptual Design	232 days	Sun 9/1/19	Tue 7/21/20	◆																																			
17	Final Design and Construction Documents	128 days	Wed 7/22/20	Fri 1/15/21	◆																																			
22	Permitting	100 days	Mon 12/28/20	Fri 5/14/21	◆																																			
27	Easements and Land Acquisition	211 days?	Mon 1/11/21	Mon 11/1/21	◆																																			
37	Construction																																							

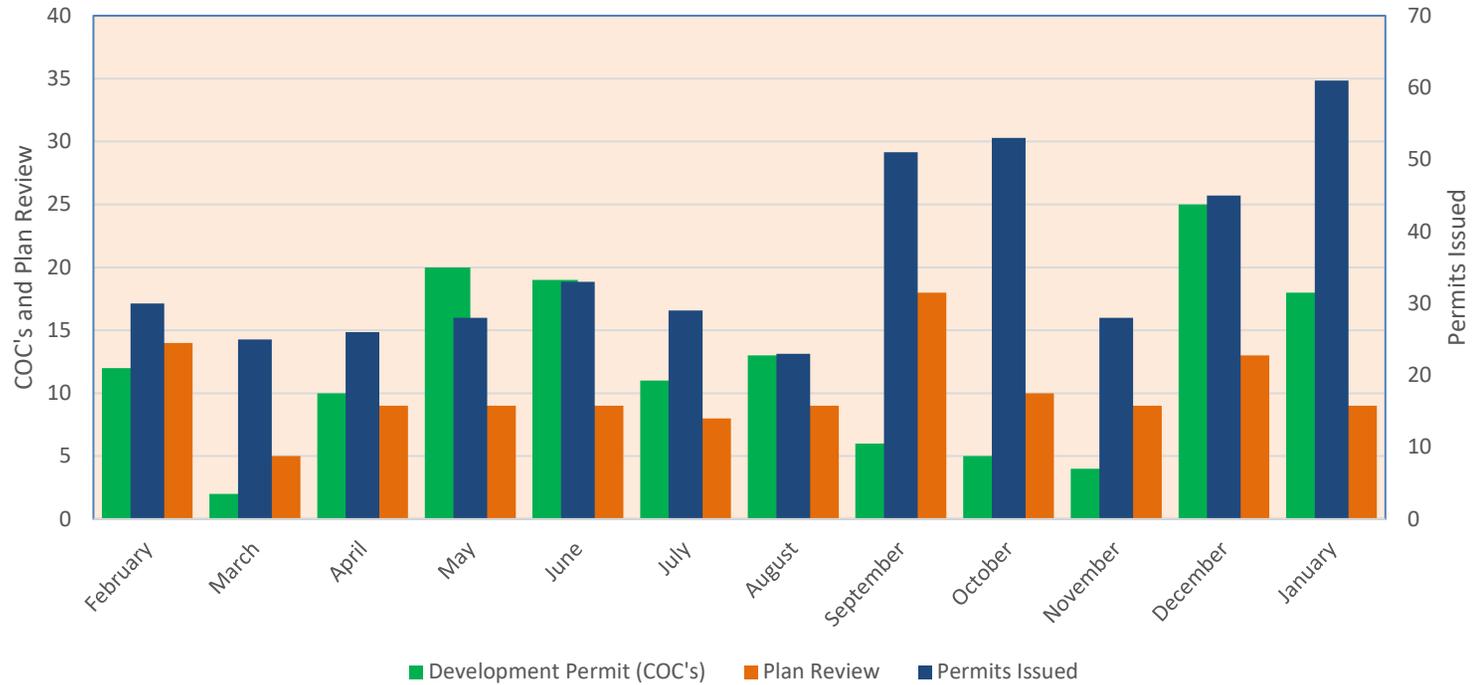
Project: 00082 Date: Tue 1/5/21	Milestone	◆	Project Duration	◆	Permitting	◆	Construction	◆
	Critical Task	★	Planning and Conceptual Design	◆	Easements and Land Acquisition	◆		
	Task	■	Final Design and Construction Documents	◆	Bidding and Contracts	◆		

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



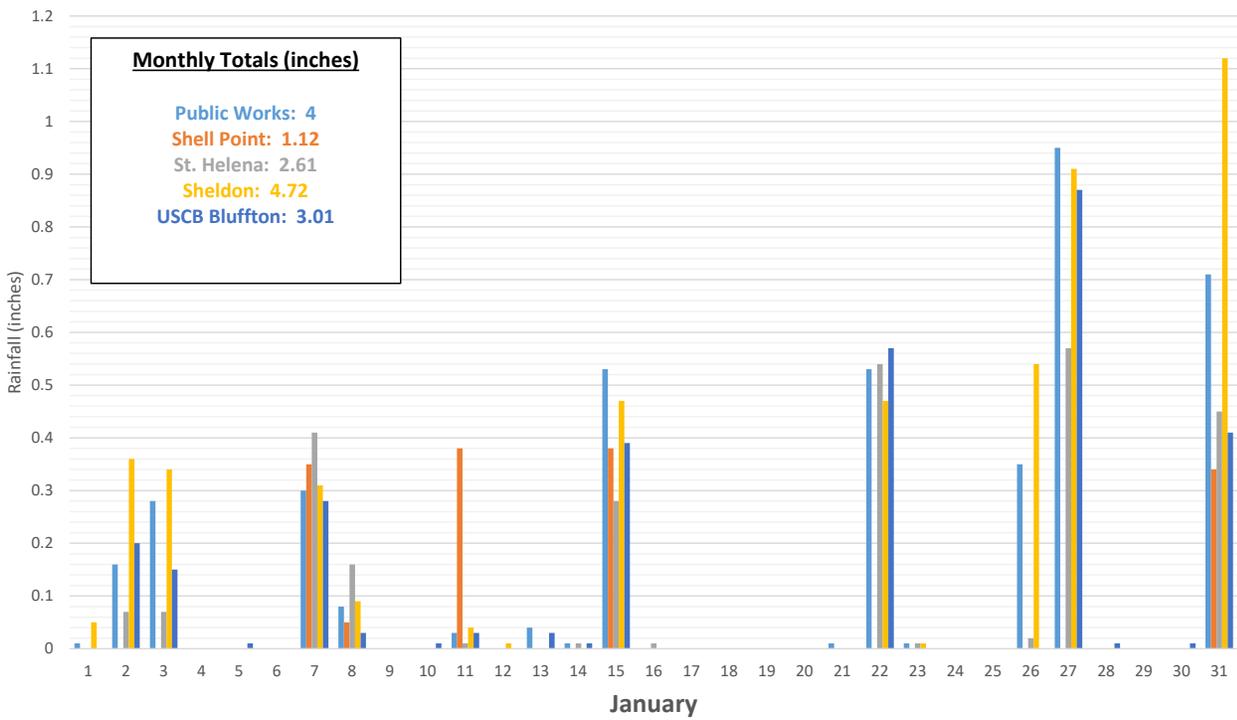
TYPE	February	March	April	May	June	July	August	September	October	November	December	January	Last 12 Months
Inspections Performed	375	383	512	417	475	396	466	603	615	548	543	632	5965
Drainage Complaints	1	0	4	2	0	1	0	1	2	1	0	0	12
IDDE Issues Investigated	2	4	3	0	0	1	0	0	1	1	1	1	9
Enforcement Actions	17	5	19	4	11	0	0	0	0	0	12	21	89
Post Construction BMP'S	-	1	2	-	-	3	-	-	-	1	0	1	9

MS4 Minimum Control Measure #5 Stormwater Plan Review



TYPE	February	March	April	May	June	July	August	September	October	November	December	January	Last 12 Months
Development Permit (COC's)	12	2	10	20	19	11	13	6	5	4	25	18	145
Plan Review	14	5	9	9	9	8	9	18	10	9	13	9	122
Permits Issued	30	25	26	28	33	29	23	51	53	28	45	61	432

Beaufort County Weather Stations Daily Rainfall Amounts - January 2021



Lowcountry Stormwater Partners (LSP) Monthly Report
1/6/21 – 2/1/21

Completed Stormwater Outreach/Involvement Activities:

- LSP Changing Tides Newsletter
 - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
 - 1/14/20, online, 138, [Find a copy here](#)

Ongoing Stormwater Outreach/Involvement Activities:

- LSP Website Overhaul
 - The website is nearly done. All content has been delivered and reviewed.
- Mossy Oaks Rain Garden Workshop
 - The school district has approved the plans and I am coordinating to see how installation could be done in the spring.
- Septic System Resources
 - The septic system website written content has finished the review process and the website is under construction. It should be complete by the end of the month.
- Creation of an HOA Direct Mailing List
 - I began creating a list of mailing addresses for existing HOAs/PUDs to send pond training announcements and an invitation to join the Big News for Small Ponds listserv.
- That's MY Truck Coloring Contest Planning
- Coastal Flooding and Regulations Workshop
 - The planning committee is finalized, a planning meeting was held, and the next meeting will be held on 2/17.
- Being a Neighbor for Clean Water Webinar Series
 - Final Planning Meeting is scheduled for 2/11.
- Rain Barrel Sale
 - Found the appropriate contact information and reached out
- Direct Contacts
 - During this time frame, I helped two (4) individuals who directly contacted me. Three clients needed help pond help. Another needed help with a volunteer event.
 - 4, phone call and email
- LSP Facebook page
 - The LSP Facebook page serves to engage and involve citizens in water-quantity and water-quality information. I also use the Facebook page to announce local, regional, and state-wide events.
 - 303 Likes, 559 People Reached with 19 posts made between 1/6/21 and 2/1/21

Planned Stormwater Outreach/Involvement Activities:

- LSP Changing Tides Newsletter
 - The Changing Tides is an informative publication for the general public. It includes a small article on a stormwater-related topic and information on past, current, and future events.
 - 2/14/20, online
- Big News for Small Ponds
 - The "Big News for Small Ponds" mailing list is intended for both pond managers and owners in Beaufort, Jasper, Colleton, and Hampton Counties. By signing up for the mailing list, participants will receive emails or direct mailers about local, pond-related trainings, events, and certification opportunities.
 - 2/14/20, online
- Rain Garden webinar for the Lady's Island Garden Club
 - 2/4/21, online
- Protecting Beaufort County Waterways webinar for the Women's Group on Hilton Head Plantation
 - 2/9/21, online
- LSP Consortium Meeting
 - 2/16/21, online
- Presenting to WAPAC
 - 2/25/21, online
- Healthy Pond Series: Aquatic Plant Management
 - 3/04/21, online

Other Activities for Strategic Plan Compliance:

- Pet Waste Station Map
- Small grants program
- Septic system factsheet
- Septic system brochure
- Septic system "Welcome to the Neighborhood Packet"
- Septic media campaign
- Septic workshop
- 2021 Beaufort Area Stormwater Pond Conference
- Soil sample post cards and placards for retailers
- Soil sample drive
- Soil sample bag distribution
- Pond Workshop
- Buffer workshop
- Promotional seed packet
- Native plant distributor list
- Native plant signage
- Construction Site Social Media Campaign
- Contractor trainings
- LID trainings
- LID Lunch-and-Learns
- BMP workshop for homeowners
- Rain barrel sale
- BMP survey

Completed Strategic Plan Items:

- Pond training listserv and direct mailer list
- Pet waste mass media campaign
- 2019 Beaufort Area Stormwater Pond Conference
- Master Pond Manager
- Pond mass media campaign
- Pond management website
- Soil sample trainings (satisfied by Cultivating a Carolina Yards workshops)
- Soil sample bags at festivals, nurseries, farmer's markets, and Master Gardener events
- Construction site trainings for contractors (satisfied by CEPSCI courses)
- LID factsheets
- LID training for design professionals (will be satisfied when DNR's Coastal Training Program reschedules to LID Manual Training)
- LID signs
- BMP workshops for homeowners (satisfied by Cultivating a Carolina Yards workshops, rain garden presentations, and Being a Neighbor for Clean Water Webinar Series)
- Master Rain Gardener
- Step-stake sign for rain gardens
- Rain Garden Rack Card
- Pond Rack Card
- Buffer Packets



MEMORANDUM

Date: February 10, 2021

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

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

Major Project:

- **Spanish Wells Road - Pink Sands Lane – Bluffton (SWUD 4):** This project improved 1,426 feet of drainage system. The scope of work included dropping trees along ditch area, cutting stump low, removing trees and debris along ditch line, bush hogging 860 feet of channel, cleaning out 406 feet of channel, installing and removing 1 access pipe, jetting 1 crossline pipe, 160 feet of channel pipe and planting trees. The total cost was **\$37,310.83**.
- **Burlington Circle – Port Royal Island (SWUD 6):** This project improved 320 feet of drainage system. The scope of work included installing 320 feet of channel pipe, 1 bleeder pipe, sod for erosion control and jetting 320 feet of channel pipe. The total cost was **\$26,407.18**.
- **View Point Circle – St. Helena Island (SWUD 8):** This project improved 574 feet of drainage system. The scope of work included cleaning out 550 feet of roadside ditch, jetting 13 driveways, 2 crossline pipes, 24 feet of channel pipe, replacing 2 driveway pipes, installing 1 driveway pipe and rip rap for erosion control. The total cost was **\$21,782.55**.
- **Ephraim Road Channel #1 – St. Helena Island (SWUD 8):** The scope of work included replacing 1 flap gate and installing rip rap for erosion control. The total cost was **\$19,747.93**.

Minor or Routine Projects:

- **Bluffton Vacuum Truck – Bluffton (SWUD 4):** This project improved 1,047 feet of drainage system. The scope of work included cleaning out 30 catch basins, jetting 13 crossline pipes, 46 driveway pipes, 216 feet of channel pipe and 831 feet of roadside pipe. The total cost was **\$27,014.85**.
- **Mourning Dove Lane – Bluffton (SWUD 4):** This project improved 462 feet of drainage system. The scope of work included cleaning out 462 feet of roadside ditch and replacing 1 driveway pipe. The total cost was **\$6,329.33**.
- **Reeds Road – Lady's Island (SWUD 7):** The scope of work included replacing one crossline pipe. The total cost was **\$4,640.32**.



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Spanish Wells Road - Pink Sand Lane

Activity: Drainage Improvement

Duration: 07/08/19-08/19/20

Narrative Description of Project:

Project improved 1,426 L.F. of drainage system. Dropped trees along ditch area and cut stumps low. Removed trees and debris along the ditch line. Bush hogged 860 L.F. of channel. Cleaned out 406 L.F. of channel. Installed and removed (1) access pipe. Jetted (1) crossline pipe and 160 L.F. of channel pipe. Planted trees.

2021-502 / Spanish Wells Road - Pink Sands

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
APINS / Access pipe - installed	32.00	\$646.80	\$108.38	\$517.65	\$0.00	\$301.20	\$1,574.03
APREIN / Access pipe - reinstalled	32.00	\$646.80	\$108.38	\$92.67	\$0.00	\$301.20	\$1,149.05
AUDIT / Audit Project	2.00	\$43.58	\$0.00	\$0.00	\$0.00	\$0.00	\$43.58
CBH / Channel- bushhogged	48.00	\$1,069.56	\$522.04	\$72.52	\$0.00	\$688.32	\$2,352.44
CCO / Channel - cleaned out	156.00	\$4,024.22	\$600.12	\$262.71	\$0.00	\$1,245.06	\$6,132.11
CLPJT / Crossline Pipe - Jetted	12.00	\$274.56	\$229.92	\$43.62	\$0.00	\$178.20	\$726.30
DEBREM / Debris Removal - Jobsite	164.00	\$3,420.28	\$694.36	\$260.15	\$0.00	\$1,228.20	\$5,602.99
HAUL / Hauling	150.00	\$3,305.34	\$2,124.00	\$2,033.51	\$0.00	\$696.12	\$8,158.97
LM / Loading Materials	24.00	\$495.84	\$126.65	\$34.72	\$0.00	\$309.36	\$966.57
NONPRO / Non-Professional Services	0.00	\$0.00	\$0.00	\$0.00	\$5,075.00	\$0.00	\$5,075.00
PT / Plant trees	21.00	\$442.98	\$140.70	\$609.01	\$0.00	\$125.73	\$1,318.42
SC / Sediment Control	64.00	\$1,386.12	\$149.15	\$69.91	\$0.00	\$556.56	\$2,161.74
STAGING / Staging Materials/Equipment	15	\$304.95	\$19.45	\$18.84	\$0.00	\$127.20	\$470.44
STBY / Stand By	16	\$321.12	\$226.56	\$66.78	\$0.00	\$0.00	\$614.46
UTLOC / Utility locates	0.5	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
WSDR / Workshelf - Dressed	29	\$616.98	\$134.79	\$79.02	\$0.00	\$114.99	\$945.78
2021-502 / Spanish Wells Road - Pink Sands Project Sub Total	765.5	\$17,011.48	\$5,184.50	\$4,161.10	\$5,075.00	\$5,878.75	\$37,310.83
Grand Total	765.5	\$17,011.48	\$5,184.50	\$4,161.10	\$5,075.00	\$5,878.75	\$37,310.83

Before



During



Ending





Cleaned out 406 L.F. of channel. Installed and removed (1) access pipe. Jetted (1) crossline pipe and 160 L.F. of channel pipe. Planted trees.

Dropped trees along ditch area and cut stumps low. Removed trees and debris along ditch line. Bush hogged 860 L.F. of channel.

Project: Spanish Wells Road- Pink Sand Lane

Activity: Drainage Improvement

Project #: 2021-502

Township/SW Dist: Bluffton/4

Completed: August 2020

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

0 65 130 260 390 520 Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/29/20

File: C:\project summaries map\Bluffton Vac Truck- Spanish Wells Road- Pink Sand Lane_2021-502



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Burlington Circle

Activity: Drainage Improvement

Duration: 03/12/20-09/01/20

Narrative Description of Project:

Project improved 320 L.F. of drainage system. Installed 320 L.F. of channel pipe, (1) bleeder pipe and sod for erosion control. Jetted 320 L.F. of channel pipe.

2020-036 / Burlington Circle

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	2.0	\$43.58	\$0.00	\$0.00	\$0.00	\$0.00	\$43.58
BPINST / Bleeder pipe - Installed	53.0	\$1,285.42	\$197.17	\$35.98	\$0.00	\$305.28	\$1,823.85
CHPEX / Channel Pipe - Extended	96.0	\$2,294.72	\$399.15	\$1,201.49	\$0.00	\$467.28	\$4,362.64
CLJS / Cleaned up jobsite	23.0	\$484.08	\$115.62	\$19.91	\$0.00	\$66.15	\$685.76
CPI / Channel Pipe - Installation	156.0	\$3,259.12	\$597.82	\$2,945.20	\$0.00	\$1,005.48	\$7,807.62
CPJ / Channel Pipe - Jetted	4.0	\$88.38	\$76.64	\$37.54	\$0.00	\$32.94	\$235.50
HAND / HANDSEDED	42.0	\$889.58	\$111.06	\$35.75	\$0.00	\$142.47	\$1,178.86
HAUL / Hauling	88.0	\$1,965.31	\$1,151.87	\$1,071.38	\$0.00	\$678.39	\$4,866.95
SI / Sod - Installation	100.0	\$2,084.75	\$202.98	\$59.93	\$0.00	\$773.40	\$3,121.06
UTLOC / Utility locates	1.0	\$24.70	\$0.00	\$0.00	\$0.00	\$13.23	\$37.93
WSDR / Workshelf - Dressed	60.0	\$1,258.90	\$318.68	\$14.55	\$0.00	\$651.30	\$2,243.43
2020-036 / Burlington Circle Project Sub Total	625.0	\$13,678.54	\$3,170.99	\$5,421.73	\$0.00	\$4,135.92	\$26,407.18
Grand Total	625.0	\$13,678.54	\$3,170.99	\$5,421.73	\$0.00	\$4,135.92	\$26,407.18

Before



During



Ending





Project: Burlington Circle

Activity: Drainage Improvement

Project #: 2020-036

Township/SW Dist: Port Royal Island/6

Completed: September 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

Installed 160 L.F. of channel pipe, (1) bleeder pipe and sod for erosion control. Jetted 160 L.F. of channel pipe.

Installed 160 L.F. of channel pipe. Jetted 160 L.F. of channel pipe.



1 inch = 210 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/23/20

File: C:\project summaries map\Burlington Circle_2020-036



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: View Point Circle

Activity: Routine/Preventive Maintenance

Duration: 10/08/2020-11/20/2020

Narrative Description of Project:

Project improved 574 L.F. of drainage system. Cleaned out 550 L.F. of roadside ditch. Jetted (13) driveway pipes, (2) crossline pipes, and 24 L.F. of channel pipe. Replaced (2) driveway pipes. Installed (1) driveway pipe and rip rap for erosion control.

2021-509 / View Point Circle

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
ASI / Asphalt Installation	20.0	\$418.85	\$135.88	\$56.39	\$0.00	\$193.35	\$804.47
AUDIT / Audit Project	1.5	\$32.69	\$0.00	\$0.00	\$0.00	\$0.00	\$32.69
CLPJT / Crossline Pipe - Jetted	16.0	\$368.97	\$306.56	\$56.60	\$0.00	\$97.68	\$829.81
DPINS / Driveway Pipe - Installed	92.0	\$1904.52	\$302.82	\$2331.01	\$0.00	\$614.64	\$5,152.99
DPJT / Driveway Pipe - Jetted	14.0	\$309.33	\$268.24	\$62.20	\$0.00	\$115.29	\$755.06
HAUL / Hauling	56.0	\$1,244.64	\$1,008.56	\$5,328.49	\$0.00	\$259.56	\$7,841.25
PP / Project Preparation	76.0	\$1,568.00	\$254.82	\$118.96	\$0.00	\$565.80	\$2,507.58
RRI / Rip Rap - Installed	16.0	\$328.20	\$77.74	\$103.60	\$0.00	\$154.68	\$664.22
RSDCL / Roadside Ditch - Cleanout	96.0	\$1,956.20	\$284.94	\$214.00	\$0.00	\$663.48	\$3,118.62
UTLOC / Utility locates	2.0	\$49.40	\$0.00	\$0.00	\$0.00	\$26.46	\$75.86
2021-509 / View Point Circle Project Sub Total	389.5	\$8,180.79	\$2,639.56	\$8,271.26	\$0.00	\$2,690.94	\$21,782.55
Grand Total	389.5	\$8,180.79	\$2,639.56	\$8,271.26	\$0.00	\$2,690.94	\$21,782.55

(Before)

(No Picture Available)

(During)



(Ending)

(No Picture Available)



Project: View Point Circle

Activity: Routine/ Preventive Maintenance

Project #: 2021-509

Township/SW Dist: St. Helena Island/8

Completed: November 2020

Legend

Drainage Type

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

0 40 80 160 240 320 Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/18/20

File: C:\project summaries map\View Point Circle_2021-509



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Ephraim Road Channel #1

Activity: Routine/Preventive Maintenance

Duration: 11/03/20-11/16/20

Narrative Description of Project:

Replaced (1) flap gate. Installed rip rap for erosion control.

2021-511 / Ephraim Road Channel #1

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.5	\$32.69	\$0.00	\$0.00	\$0.00	\$0.00	\$32.69
FLAPGATR / Flap Gate - Replaced	48.0	\$986.64	\$428.24	\$11018.52	\$0.00	\$309.36	\$12,742.76
HAUL / Hauling	48.0	\$1,089.36	\$914.88	\$1683.15	\$0.00	\$230.72	\$3,918.11
STAGING / Staging Materials/Equipment	32.0	\$681.12	\$439.12	\$55.56	\$0.00	\$203.52	\$1,379.32
WSDR / Workshelf - Dressed	48.0	\$986.64	\$308.06	\$71.00	\$0.00	\$309.36	\$1,675.06
2021-511 / Ephraim Road Channel #1 Project Sub Total	177.5	\$3,776.45	\$2,090.30	\$12,828.23	\$0.00	\$1,052.96	\$19,747.93
Grand Total	177.5	\$3,776.45	\$2090.30	\$12828.23	\$0.00	\$1052.96	\$19,747.93

(Before)

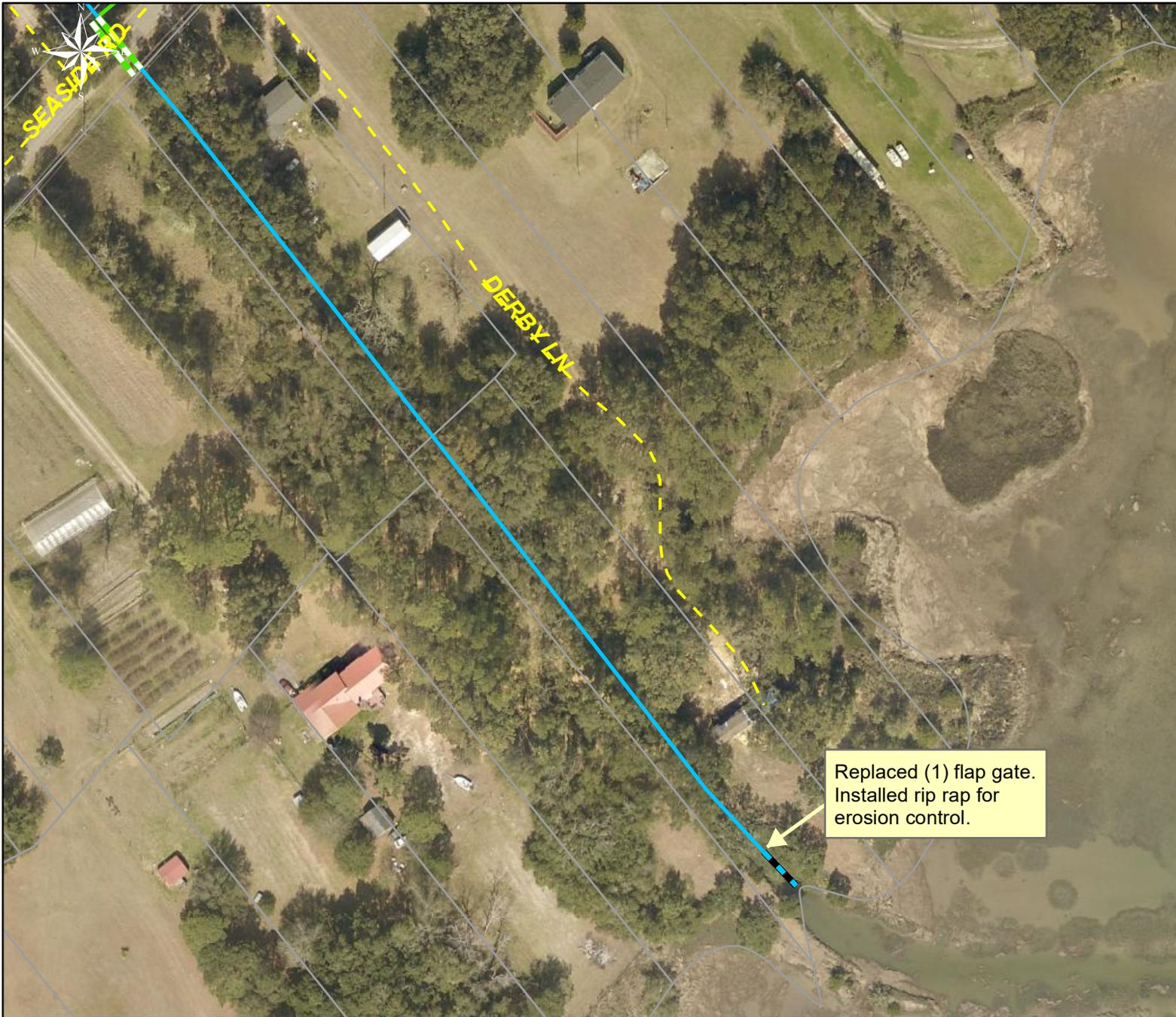
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(During)



(Ending)





Project: Ephraim Road Channel #1

Activity: Routine/ Preventive Maintenance

Project #: 2021-511

Township/SW Dist: St. Helena Island/8

Completed: November 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: 11/25/20

File: C:\project summaries map\Ephraim Road Channel #1_2021-511



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Bluffton Vacuum Truck -

Activity: Routine/Preventive Maintenance

Lilac Lane, E Morningside Drive, W Morningside Drive, Buckwalter Parkway, Fairfax Street, Brunson Street, Bluffton Parkway, Martha Lane, Allendale Street, Otter Creek Drive, Garnett Street, Mourning Dove Lane, Foreman Hill Road, Trout Street, Sailors Choice, Thomas Lawton Drive, Luray Street, Mullet Street

Duration: 07/01/20-10/26/20

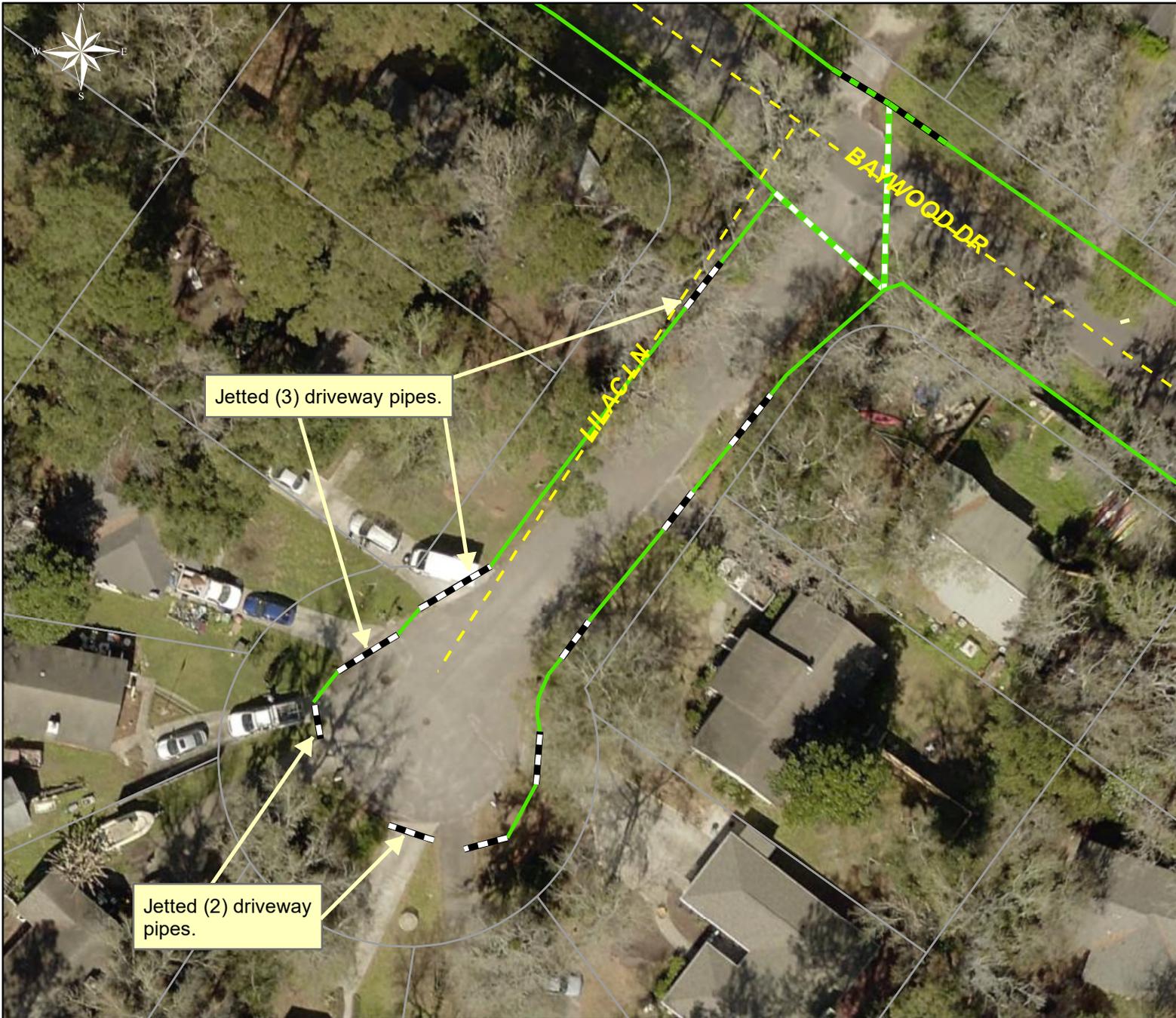
Narrative Description of Project:

Project improved 1,047 L.F. of drainage system. Cleaned out (30) catch basins. Jetted (13) crossline pipes, (46) driveway pipes, 216 L.F. of channel pipe and 831 L.F. of roadside pipe.

2021-310 / Bluffton Vacuum Truck

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	2.0	\$43.58	\$0.00	\$0.00	\$0.00	\$0.00	\$43.58
CBCO / Catch basin - clean out	120.0	\$2,675.14	\$2,239.72	\$394.39	\$0.00	\$723.54	\$6,032.79
CLPJT / Crossline Pipe - Jetted	118.0	\$2,616.67	\$1,960.28	\$404.84	\$0.00	\$1,051.23	\$6,033.02
CPJ / Channel Pipe - Jetted	18.0	\$384.30	\$255.66	\$58.81	\$0.00	\$172.08	\$870.85
DPJT / Driveway Pipe - Jetted	233.0	\$5,284.37	\$3,442.76	\$720.48	\$0.00	\$1,704.90	\$11,152.51
HAUL / Hauling	16.0	\$353.52	\$306.56	\$80.00	\$0.00	\$131.76	\$871.84
LP / Locate Pipe	12.0	\$262.44	\$170.44	\$38.67	\$0.00	\$48.84	\$520.39
RSPJ / Roadside Pipe - Jetted	24.0	\$566.56	\$104.24	\$56.47	\$0.00	\$229.44	\$956.71
SPSWI / Special Project - SWI	12.0	\$262.44	\$168.84	\$53.04	\$0.00	\$48.84	\$533.16
2021-310 / Bluffton Vacuum Truck Project Sub Total	555.0	\$12,449.03	\$8,648.50	\$1,806.70	\$0.00	\$4,110.63	\$27,014.85
Grand Total	555.0	\$12,449.03	\$8,648.50	\$1,806.70	\$0.00	\$4,110.63	\$27,014.85

(No Picture Available)



Project: Bluffton
Vacuum Truck -
Lilac Lane
Map #1

Activity: Routine/
Preventive
Maintenance

Project #:
2021-310

Township/SW Dist:
Bluffton/4

Completed:
October 2020

Legend

Drainage Type

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

0 5 10 20 30 40
Feet

1 inch = 42 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/17/20

File: C:\project summaries map\Bluffton Vac Truck- Lilac Lane Map #1_2021-310



Project: Bluffton Vacuum Truck - E. Morningside Drive Map #2

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 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

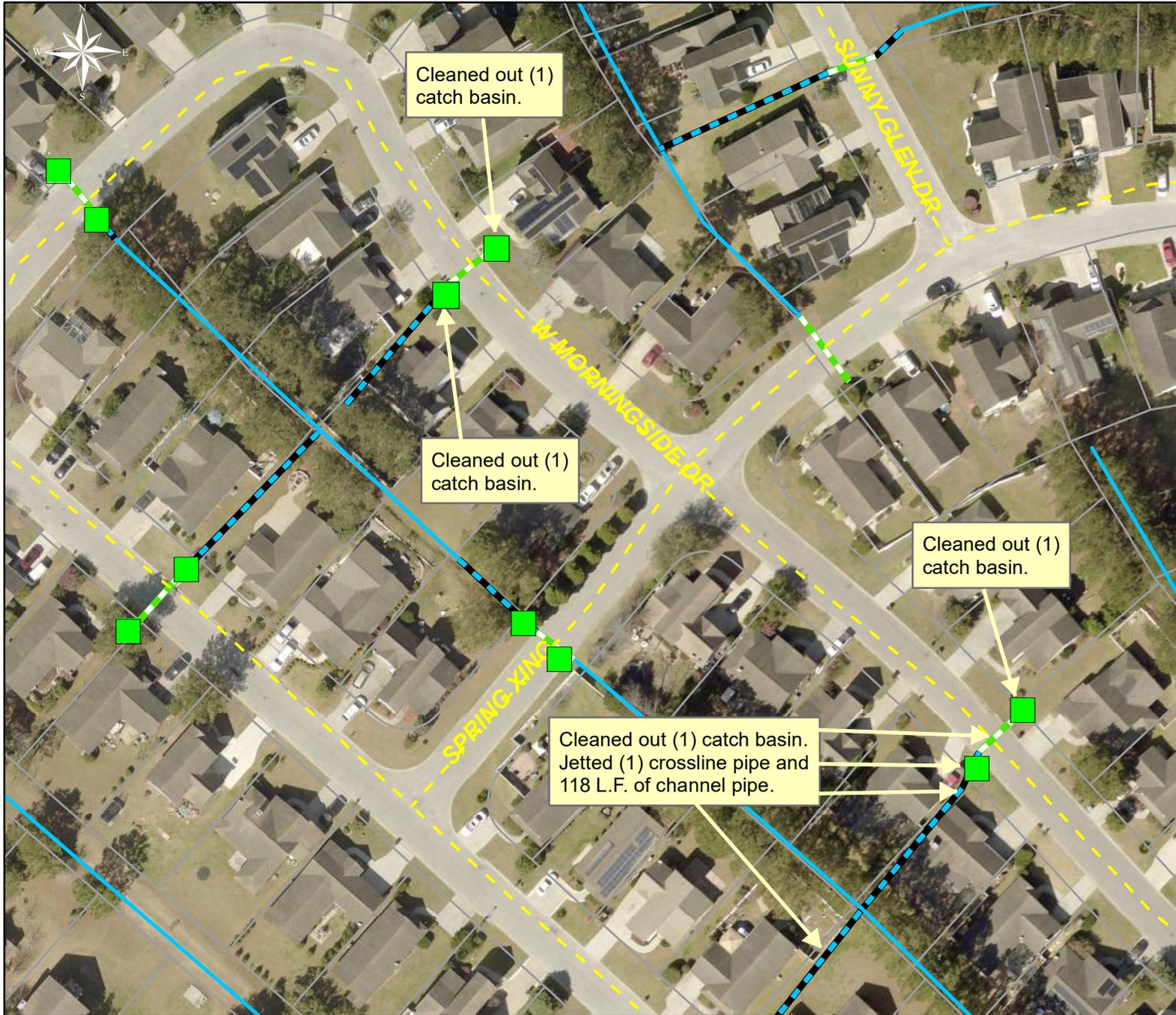


1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/10/20

File: C:\project summaries map\Bluffton Vac Truck- E. Morningside Drive Map #2_2021-310



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

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 2020

Legend

Drainage Type

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



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/10/20

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



Project: Bluffton Vacuum Truck - Fairfax Street Map #4

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 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: 12/10/20

File: C:\project summaries map\Bluffton Vac Truck- Fairfax Street Map #4_2021-310



Project: Bluffton Vacuum Truck - Martha Lane Map #5

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 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

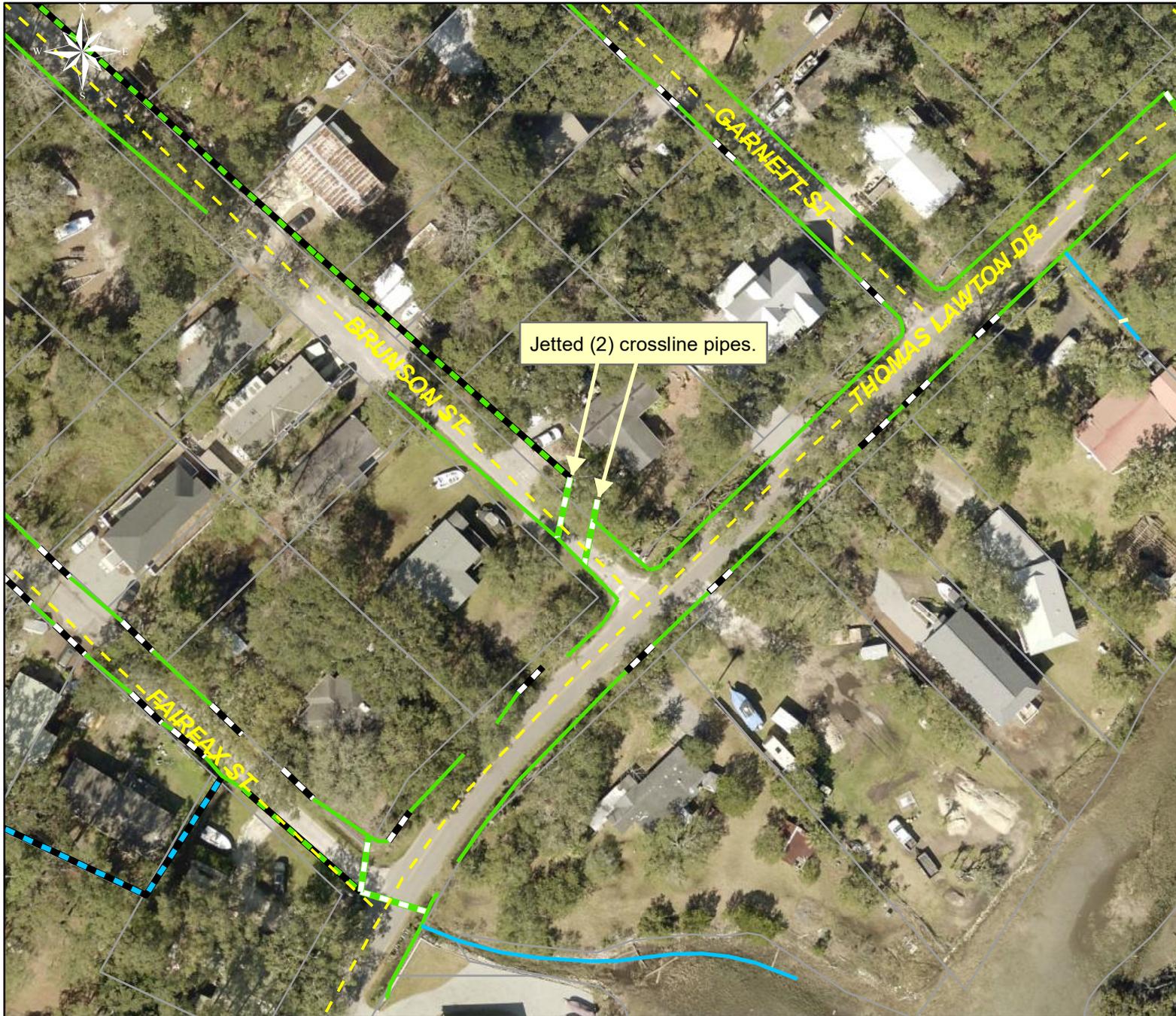


1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/10/20

File: C:\project summaries map\Bluffton Vac Truck- Martha Lane Map #5_2021-310



Project: Bluffton Vacuum Truck - Brunson Street Map #6

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 2020

Legend

Drainage Type

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

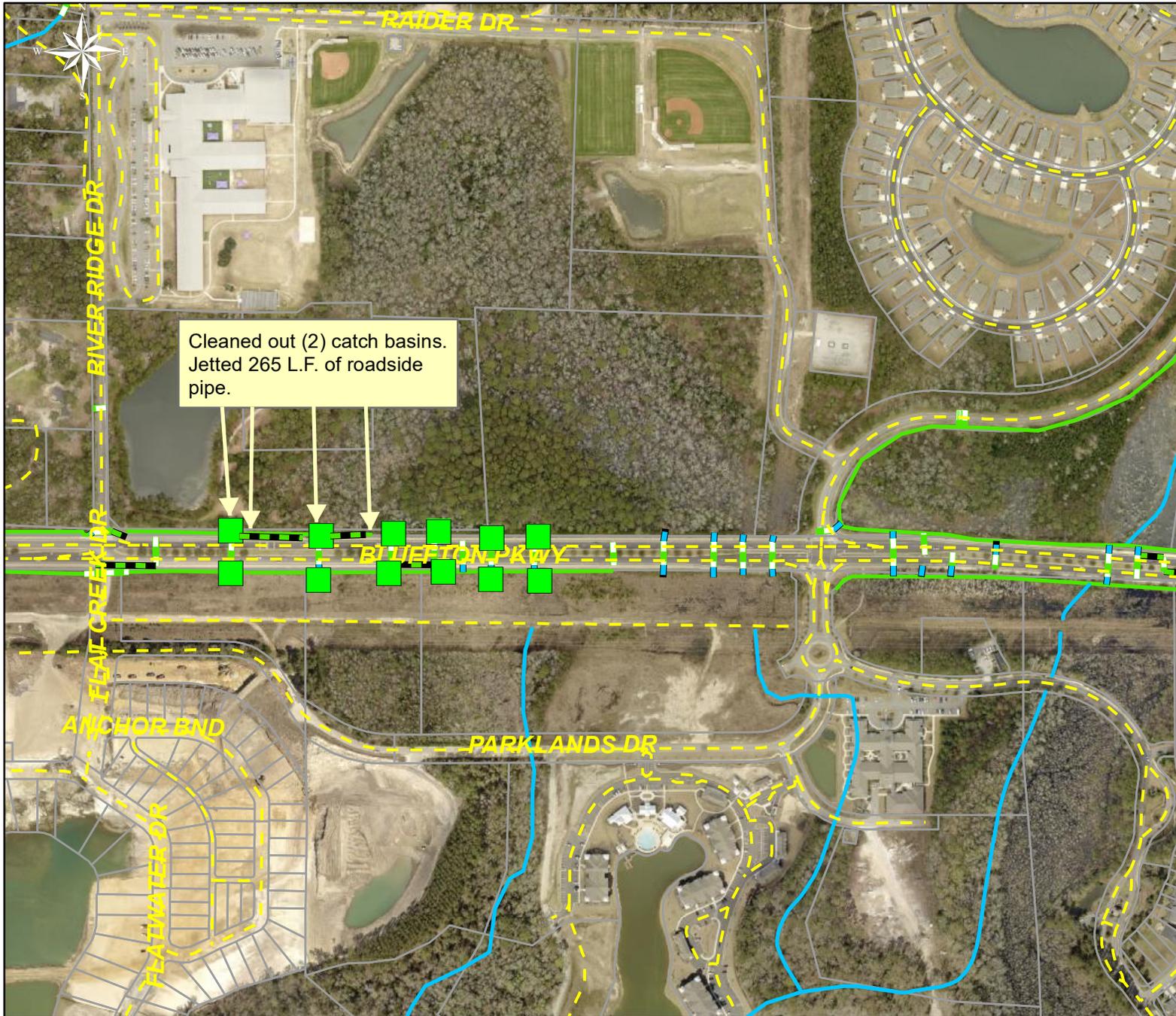
0 10 20 40 60 80 Feet

1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/10/20

File: C:\project summaries map\Bluffton Vac Truck- Brunson Street Map #6_2021-310



Cleaned out (2) catch basins.
Jetted 265 L.F. of roadside pipe.

Project: Bluffton Vacuum Truck - Bluffton Parkway Map #7

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 2020

Legend

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

0 85170 340 510 680 Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/10/20

File: C:\project summaries map\Bluffton Vac Truck- Bluffton Parkway Map #7_2021-310



Cleaned out (1) catch basin.
Jetted (1) driveway pipe, 8 L.F. of channel pipe and 88 L.F. of roadside pipe.

Jetted (2) driveway pipes and 8 L.F. of channel pipe.

Cleaned out (2) catch basins.

Cleaned out (1) catch basin. Jetted 80 L.F. of roadside pipe.

Project: Bluffton Vacuum Truck - Allendale Street Map #8

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 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: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Allendale Street Map #8_2021-310



Project: Bluffton Vacuum Truck - Otter Creek Drive Map #9

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 2020

Legend

Drainage Type

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



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Otter Creek Drive Map #9_2021-310



Project: Bluffton
Vacuum Truck -
Garnett Street
Map #10

Activity: Routine/
Preventive
Maintenance

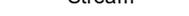
Project #:
2021-310

Township/SW Dist:
Bluffton/4

Completed:
October 2020

Legend

Drainage Type

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

0 25 50 75 100
Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Garnett Street Map #10_2021-310



Project: Bluffton
Vacuum Truck -
Mourning Dove
Lane Map #11

Activity: Routine/
Preventive
Maintenance

Project #:
2021-310

Township/SW Dist:
Bluffton/4

Completed:
October 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

02040 80 120 160
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Mourning Dove Lane Map #11_2021-310



Project: Bluffton Vacuum Truck - Foreman Hill Road Map #12

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 2020

Legend

Drainage Type

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

0 20 40 80 120 160 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Foreman Hill Road Map #12_2021-310



Project: Bluffton Vacuum Truck - Buckwalter Parkway Map #13

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 2020

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

0 1530 60 90 120 Feet

1 inch = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Buckwalter Parkway Map #13_2021-310



Project: Bluffton Vacuum Truck - Sailors Choice, Trout Street and Mullet Street Map #14

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 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 = 87 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Sailors Choice, Trout St. and Mullet St. Map #14_2021-310



Project: Bluffton Vacuum Truck - Thomas Lawton Drive Map #15

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 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: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Thomas Lawton Drive Map #15_2021-310



Project: Bluffton Vacuum Truck - Luray Street Map #16

Activity: Routine/ Preventive Maintenance

Project #: 2021-310

Township/SW Dist: Bluffton/4

Completed: October 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 = 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 12/16/20

File: C:\project summaries map\Bluffton Vac Truck- Luray Street Map #16_2021-310



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Mourning Dove Lane

Activity: Routine/Preventive Maintenance

Duration: 09/24/20-11/04/20

Narrative Description of Project:

Project improved 462 L.F. of drainage system. Cleaned out 462 L.F. of roadside ditch. Replaced (1) driveway pipe.

2021-508 / Mourning Dove Lane

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.5	\$32.69	\$0.00	\$0.00	\$0.00	\$0.00	\$32.69
DPRPL / Driveway Pipe - Replaced	20.0	\$409.08	\$56.27	\$716.08	\$0.00	\$101.76	\$1,283.19
HAUL / Hauling	25.0	\$547.79	\$476.50	\$85.30	\$0.00	\$72.10	\$1,181.69
RSDCL / Roadside Ditch - Cleanout	80.0	\$1,718.88	\$334.20	\$104.60	\$0.00	\$708.24	\$2,865.92
SG / Shoot Grade	32.0	\$681.44	\$34.80	\$0.00	\$0.00	\$211.68	\$927.92
UTLOC / Utility locates	1.0	\$24.70	\$0.00	\$0.00	\$0.00	\$13.23	\$37.93
2021-508 / Mourning Dove Lane Project Sub Total	159.5	\$3,414.58	\$901.77	\$905.98	\$0.00	\$1,107.01	\$6,329.33
Grand Total	159.5	\$3,414.58	\$901.77	\$905.98	\$0.00	\$1,107.01	\$6,329.33

(Before)

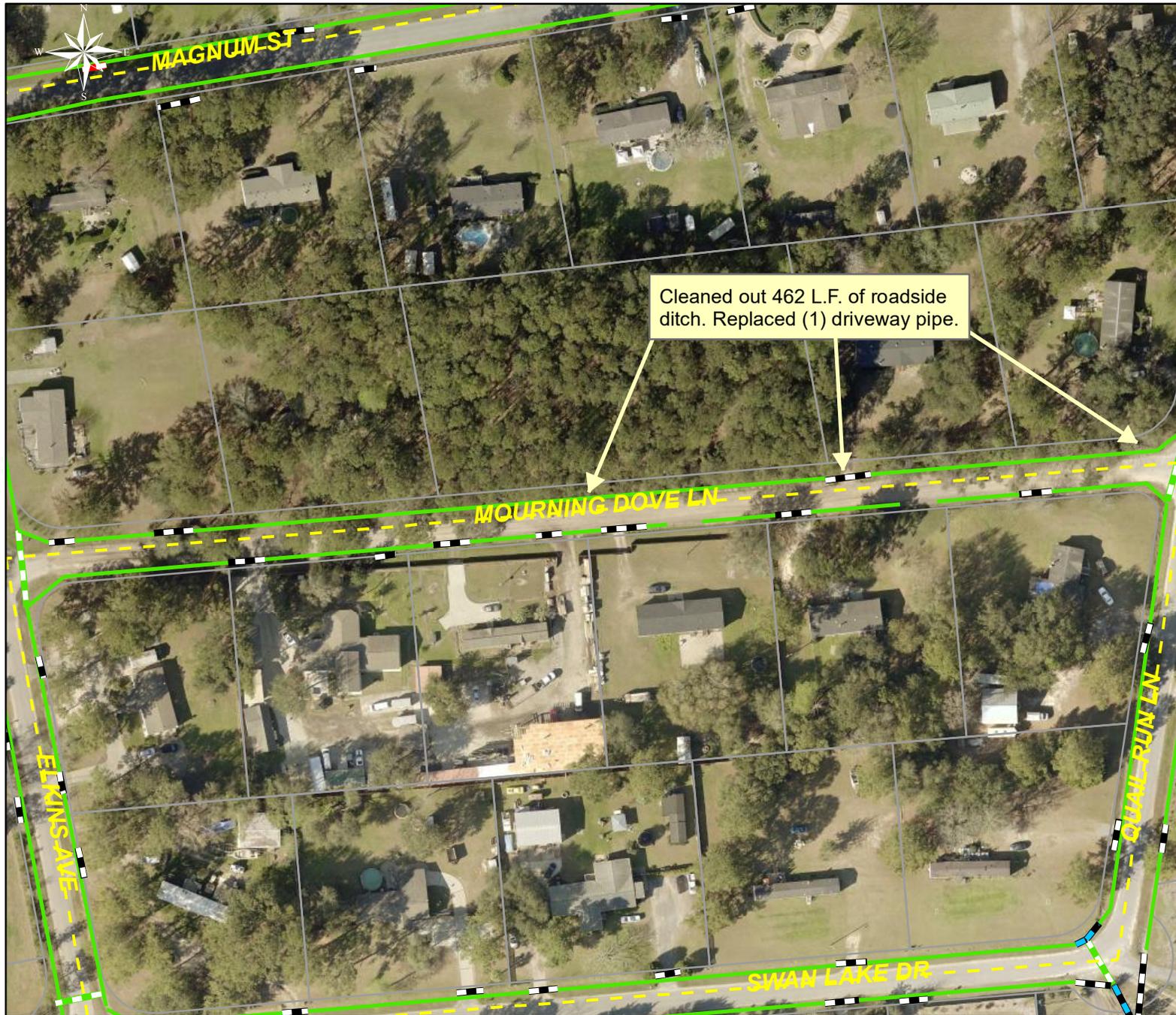


(During)



(After)

(No Picture Available)



Project: Mourning Dove Lane

Activity: Routine/ Preventive Maintenance

Project #: 2021-508

Township/SW Dist: Bluffton/4

Completed: November 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: 11/19/20

File: C:\project summaries map\Mourning Dove Lane_2021-508



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Reeds Road

Activity: Routine/Preventive Maintenance

Duration: 11/16/20 - 11/30/2020

Narrative Description of Project:

Replaced (1) crossline pipe.

2020-049 / Reeds Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$21.79	\$0.00	\$0.00	\$0.00	\$0.00	\$21.79
CPRPL / Crossline Pipe - Replaced	48.0	\$979.12	\$255.03	\$1388.89	\$0.00	\$512.88	\$3,135.92
HAUL / Hauling	24.0	\$536.40	\$457.44	\$354.45	\$0.00	\$115.36	\$1,463.65
UTLOC / Utility locates	0.5	\$12.35	\$0.00	\$0.00	\$0.00	\$6.62	\$18.97
2020-049 / Reeds Road Project Sub Total	73.5	\$1,549.66	\$712.47	\$1,743.34	\$0.00	\$634.86	\$4,640.32
Grand Total	73.5	\$1,549.66	\$712.47	\$1,743.34	\$0.00	\$634.86	\$4,640.32

(Before)

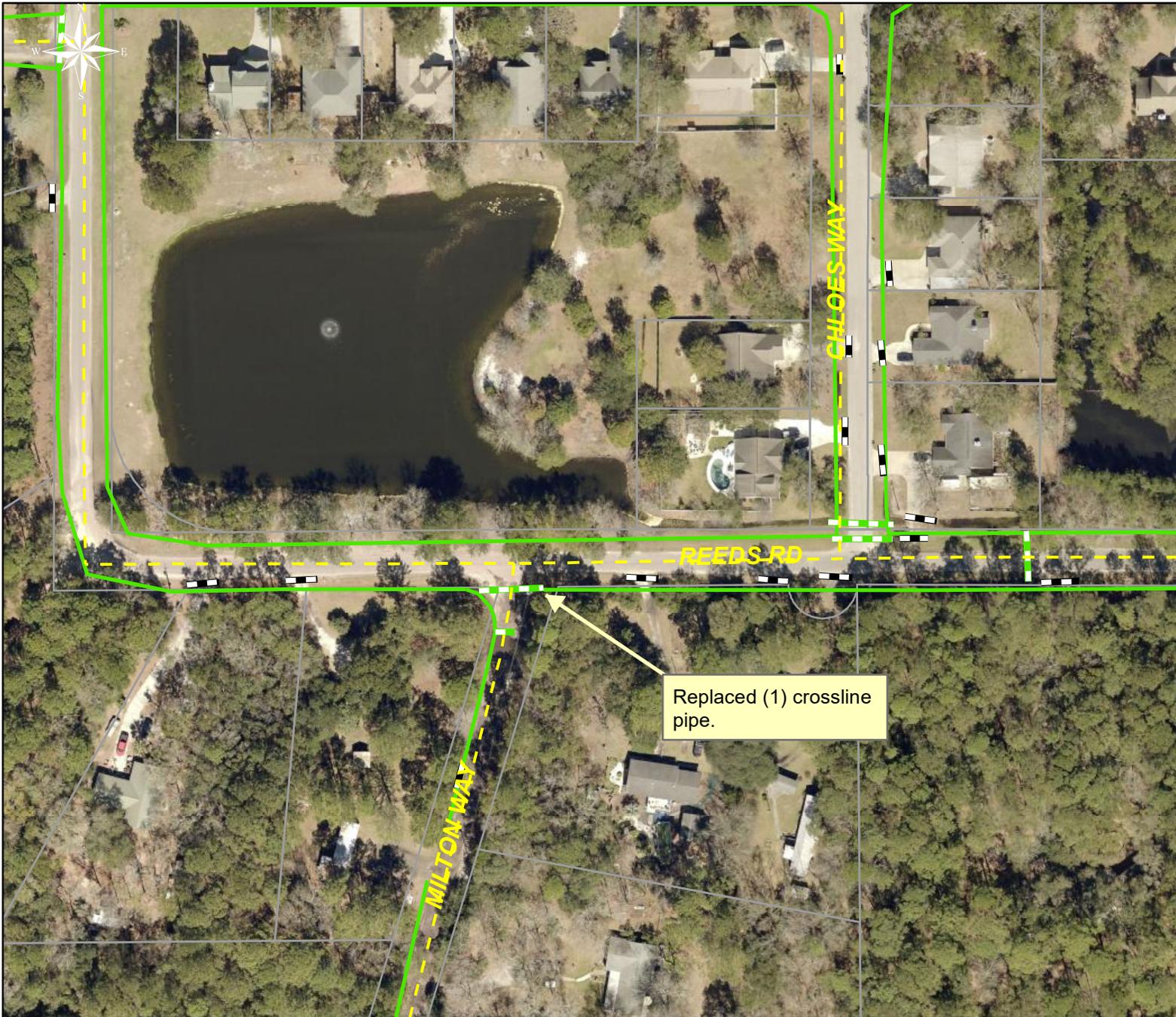


(During)



(Ending)

(No Picture Available)



Project: Reeds Road

Activity: Routine/ Preventive Maintenance

Project #: 2020-049

Township/SW Dist: Lady's Island/7

Completed: November 2020

Legend

Drainage Type

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

0 30 60 120 180 240 Feet

1 inch = 130 feet

Prepared By: BC Stormwater Management Utility
 Date Print: 01/05/20
 File: C:\project summaries map\Reeds Road_2020-049



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, March 10th, 2021
2:00 p.m.
Executive Conference Room, Administration Building
Beaufort County Government Robert Smalls Complex
100 Ribaut Road, Beaufort, South Carolina
843.255.2805

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

1. CALL TO ORDER – 2:00 p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes – February 10th, 2021 ([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 – Katie Herrera ([backup](#))
 - E. Upcoming Professional Contracts Report – Katie Herrera ([backup](#))
 - F. Regional Coordination – Katie Herrera ([backup](#))
 - G. Municipal Reports – Katie Herrera ([backup](#))
 - H. MS4 Update – Katie Herrera ([backup](#))
 - I. Maintenance Projects Report – Matthew Rausch ([backup](#))
5. UNFINISHED BUSINESS
6. NEW BUSINESS
 - A. FY22 Proposed Budget – Katie Herrera ([backup](#))
7. PUBLIC COMMENT
8. ADJOURNMENT