



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, May 18th, 2022 2:00 p.m.
County Council Chambers
100 Ribaut Rd., Beaufort, South Carolina
843.255.2805

1. CALL TO ORDER – 2:00p.m.

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

- A. Approval of Agenda
- B. Approval of Minutes – April 20th, 2022 ([backup](#))

2. INTRODUCTIONS

3. PUBLIC COMMENT

4. REPORTS

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

5. UNFINISHED BUSINESS

6. NEW BUSINESS

7. PUBLIC COMMENT

8. NEXT MEETING AGENDA

- A. Wednesday, June 15th 2022 ([backup](#))

9. ADJOURNMENT





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

April 20th, 2022 at 2:00 p.m.

Cypress Wetlands Pavilion, 1700 Paris Ave, Port Royal, South Carolina 29935 and via Webex

Board Members

Present

James Clark
Allyn Schneider
Steven Andrews
Patrick Mitchell
Marc Feinberg

Absent

Ex-Officio Members

Present

Nate Farrow
Van Willis

Absent

Jeff Netzing
Bill Baugher

Beaufort County Staff

Katie Herrera
Neil Desai
Carolyn Wallace
Julianna Corbin

Visitors

Alice Howard, County Council
Denise Parsick, Beaufort S&W Cons. DisT.

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

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

2. Introductions – Completed.

3. Public Comment(s) – None.

4. Special Presentations

A. Cypress Wetlands Presentation – Van Willis, Travis Folk and Dean Harris

- Dean Harris and Travis Folk presented the historic and environmental impact that the Cypress Wetlands project contributes to the larger Beaufort County ecosystem, namely the natural habitat to the Colonial Nesting Waiting Birds; which include the Great Egrets, Snow Egrets and Anhingas. Cypress Wetlands is comprised of five acres of natural wetlands that flows from natural basins in the Beaufort County area. The project contains multiple islands within the wetland boundaries which provide protection for endangered bird species from natural predators.

5. Reports

Highlights:

A. Utility Update – Katie Herrera

Highlights:

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

B. Monitoring Update – Katie Herrera

Highlights:

- ✓ Quarter 1-2022 - No issues; we received normal water quality samples and special projects continue.

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

Highlights:

- ✓ We are still missing budget concurrence letters that were provided in early-February.

D. Stormwater Related Projects – Julianna Corbin

Highlights:

- ✓ Shell Point Community – The Hazard Mitigation Grant Program application was completed and we are waiting to hear back for final requirements; if necessary? Additionally, we submitted proposals for an engineer to design, permit, and engineer any projects associated with the larger project; which closed April 8, 2022.
- ✓ Factory Creek and Academy Park – The closing documents have been prepared and once the owner pays the property taxes, we will begin moving forward. **Note:** County cannot pay property taxes for private property. The ownership of property cannot be transferred until the current owner of the property pays property taxes. Until then, we cannot move forward with the Academy Park Pond.
- ✓ Factory Creek, Phase 2: Legal is currently routing the necessary documents.
- ✓ Graves Property and Whitehall property – Construction continues.
- ✓ Tuxedo Park Pond Dredging – We've had two bids; both were over budget, and due to the broad scope, the criteria could not be sufficiently met. We will resubmit a new proposal with more specified requirements that fall within our allotted perimeters.
- ✓ Huspah Court North – Will be complete within the following days and preparing to align with the drainage conveyance.

E. Professional Contracts Report – Julianna Corbin

Highlights:

- ✓ CIP – Salt Creek and Shanklin projects have been removed.
- ✓ Mossy Road – It was determined to move this project off the CIP list.
- ✓ Brewer Memorial – Construction continues. Note: The contract for that contractor ends June 10th.
 - They are waiting on supplies and materials to move along with the project.
- ✓ Evergreen Regional Pond 319 – The project has moved forward. There was a preconstruction meeting on April 8th to discuss new plans, in which the Utilities Engineer, The County, and the Contractor were all present on-site.
- ✓ Stormwater engineering consulting services – Woolpert
 - Scope #5 – Ordered a Trash Truck to address the trash issues occurring with the Battery Creek Pond near the Walmart shopping center.
 - Scope # 8 – St. Helena Drainage Study – We are looking at different modeling methods and we are currently developing proposals to establish direction for this study.
 - Scope #9 – Arthur Horn Park 319 Grant application has been submitted, and we met on April 5th at the location with NRCS to discuss the project. Note: Application deadline was March 31st and we completed six days ahead of schedule. As a result, NRCS is advancing our funding to the second stage with the possibility of assigning a representative to engineer and design the project.
 - Scope #10 – Lady Island study is nearly monitored daily by Woolpert and surveys are being modeled.

F. Regional Coordination – Katie Herrera

Highlights:

- ✓ Mossy Oaks – Continue working with USCB to monitor the effects of construction has had on the water quality.
- ✓ Due to retrofitting of Arthur Horn Park, Katie and Danielle have weighed the extension of special water quality monitoring with intent of capturing prior, during and after construction phases.

G. Municipal Reports – Katie Herrera

Reports attached in agenda

Highlights:

Reports information.

- ✓ Town of Bluffton (Allyn Schneider, Board Vice Chairman-Bluffton)
 - No updates.
- ✓ Town of Hilton Head Island (Jacob Terry, NPDES Administrator)
 - Town Manager, Mark Orlando, signed the Annual Report.
- ✓ City of Beaufort (From Nate Farrow, Public Works Director)
 - Getting assistance from Golden Harvest regarding the flap-gates on the Spanish Moss Trail. We discovered a bushing issue that prevents proper operation.
 - Doing work on the Duck Pond on 1st Blvd and drainage maintenance on South Side Park.
 - Beginning Pond maintenance in Battery Shores.
 - Roadside-clean up throughout the City of Beaufort.
 - Cojoining with DDOT and the Downtown District to execute backdrop work.
- ✓ Town of Port Royal (From Van Willis, Town Manager)
 - Obtaining a \$3M General Obligation Bond for resurfacing some sidewalks and adding stormwater in the neighborhoods.
 - April 30th will be Birthday for the Birds at 9 a.m., Cypress Wetlands.

H. MS4 Update – Katie Herrera

Highlights:

- ✓ Plan Review – See the attached chart for Beaufort County Stormwater staff plan review workload for the past 12 months.
- ✓ Stormwater Permits – See the attached chart for Beaufort County Stormwater permits issued for the past 12 months. Note: ‘Permit Issuance’ is being handled electronically.
 - General Permit – No update.
 - Met with Army Corps of Engineers in Charleston, South Carolina at the Office of Costal Resource Management Representatives on April 8th and discussed practical steps to facilitate the permit application process.
 - We have to pay for mitigation.
 - Senator Sandersin was present and concurred with the states jurisdictions and is closely observing the impact of Federal entities.
 - We have submitted a FOIA request to obtain the USACE comments pertaining to the County’s response and how they will address our concerns

which was presented in 2020.

- ✓ Monthly Inspection summary – We are over 860 inspections. Currently, Inspections are being handled electronically, however, the applications are being handled physically and in-person.
- ✓ Hiring for an additional inspector to join the team and serve in a more senior role and organize the overall program.
- ✓ Weather Station Data – Report unavailable
- ✓ Education Report – See attached report. Ellen led an Earth Day-event on Parris Island as part of the Clemson Extension and Low Country Stormwater Partner’s team.
- ✓ Staff Update
 - Jon Spencer is the new Stormwater Administrative Assistant for Katie Herrera.
 - There are quite a few vacancies in the Infrastructure department and are continuing to advertise these openings.

I. Maintenance Projects Report- Katie Herrera

Highlights:

- ✓ Major projects:
 - None
- ✓ Six minor or routine projects:
Reports attached. – Digging, Bushhogging, and improvements to the Southern Magnolia subdivision’s roadside ditches, jettings, and a few driveway pipe replacements.

J. Liaison Report – Beaufort County Council – Alice Howard

Highlights

- ✓ On April 7th, held a meeting with Jim Hart and roughly 40 residents of the Shell Point community to provide an update on stormwater projects, traffic and safety issues; the meeting went well.

6. Unfinished Business – None

7. New Business – Allyn Schneider

- ✓ FY23 Budget – Carolyn Wallace
 - We are adjusting our fiscal year 2023 budget to accommodate the new 5% Cost-Of-Living allowance. We had budgeted for 3% but the County is granting a 5% increase so that NET value was an increase of \$134,000 more to the revenue budget.
- ✓ Shell Point Project – Katie Herrera
 - Katie has called for a special meeting to occur on May 18th to review proposals for three potential contractors and decide which would be the best partner moving forward with the project.
 - Mr. Schneider requested a motion to approve the meeting made by Mrs. Herrera; motion passed.
- ✓ Vacant Utilities Board Seat – Allyn Schneider
 - Mr. Brian Watkins has resigned and moved out of the state. Recommendation to fill this vacancy will be submitted to the Boards and Commissions, SWIC, and council

members that are involved.

8. No Public Comment

9. Meeting Adjourned

DRAFT



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



April 2022

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Utility Update

1. Southern Lowcountry Regional Board (SoLoCo)
 - a) The current schedule for completion and finalization on the document and activities of Center for Watershed Protection (CWP) is as follows:
2. Regionalization
 - a) Staff continues to support coordination on permitting standards. Scheduling a meeting with the technical subcommittee should be early May.
 - b) Staff continues to support other municipalities in their efforts to move forward with adoption.
 - c) Amendments to manual and ordinance were approved and are effective as of February 1st, 2022.
 - d) County staff presented the success of the SoLoCo efforts at the IECA Region 4 conference in Asheville, NC on May 3rd.
3. Special presentation suggestions –
 - Suggestions for Future Meetings
 - Research performed by Dr. Montie – Summer 2022
4. Military installation and other State and Federal properties SWU fees – See “Delinquent Accounts” below.
5. Delinquent accounts – Phase I Investigations with Gentry Locke Attorneys (looking at data, laws, ordinances, synopsis of case law) to provide recommendations and likely outcomes of either negotiations or litigation.
 - IGA amendments for the City of Beaufort and Town of Port Royal were approved at County Council. Documents have been sent to the municipalities for signature.

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

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

Monitoring Update

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

Stormwater Implementation Committee (SWIC) Report

1. Staff still waiting for concurrence letters from some municipal partners. MOA's for education are on County Council agenda for April 11th.

Stormwater Related Projects

1. Easements – Staff is working on easement requests and meets monthly to review status of each as well as any new easements coming in. Edits to the Extent of Service and Level of Service documents pending Council guidance prior to finalization.
2. Complaints – Staff continually works numerous drainage related complaints each month.
 - a) Shell Point Community – At the time of the report, not all County staff members had reported back their ranked selections from the group of proposals. Proposed organization will be presented at the meeting. County staff had a meeting with residents who have drainage systems the County needs to obtain easements on on May 5th. Two residents provided easements on the spot, Kenny and Jenny Armstrong, and Michael Herd. Staff are very appreciative of their participation in this project.
3. Factory Creek Watershed Regional Detention Basin “Phase I” & Academy Park Subdivision (Design Cost \$49,873, Tree Mitigation Cost \$18,200 & \$18,200,

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

Construction Cost by the Developer) – All closing documents have been prepared, waiting for final signatures.

4. Factory Creek Watershed Regional Detention Basin “Phase II” (Design Cost = \$63,390, Tree Mitigation Cost is pending, Construction Cost by the Developer) – County staff working with property owner to continue discussions of easement obtainment. Staff met with the property owner on May 6th.
5. Graves Property / Pepper Hall Public / private partnership – Construction on going.
6. Whitehall property purchase – Construction continues on City property.
7. Lady’s Island Plan, Sea Level Rise, and “no-fill” ordinance – No update at this time.
8. Tuxedo Park Pond Dredging- New bid documents being prepared.
9. Huspah Court North- Design work to align the drainage conveyance with the property line completed. Item is currently being reviewed by internal staff.

Professional Contracts Report

1. CIP FY 18 Grouping Stormwater Projects – (Design - Ward Edwards \$202,000, Andrews Engineering \$560,490, Const. est. \$5,512,900)
 - a) Salt Creek – Project has been removed from CIP plan.
 - b) Shanklin – Project has been removed from CIP plan.
 - a) Brewer Memorial – Construction on site continues.
2. Evergreen Regional Pond 319 grant project – (Design=\$89,286, Construction=\$590,000. Grant=\$229,124) – Utility conflict at the catch basin continues to pause progress. SCDOT has approved amended plan set. Pre-construction meeting held 4/8 on site with all utility contractors, engineer, contractor, and staff.
3. Stormwater engineering consulting services – Woolpert
 - a) Scope #1 – General Services – Anything relating to Stormwater as a catch all

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

- scope. Allocated Funds – \$15,000.00.
- b) Scope #2 – Southern Lowcountry Design Manual Training – This was completed prior to June of this year. Training set up for in house staff as well as developers in the County. Allocated funds - \$30,000.00.
 - c) Scope #3 – Comprehensive program audit. Reviewing all components of the MS4 program, CIP list, Utility, asset management, etc. Allocated funds - \$105,000.00. Audit has been completed. Staff wrapping up project with Woolpert.
 - d) Scope #4 – Tax Run and Utility assistance. In the event the County needed assistance with assessing SW Fees, we have them available on call. We will also look to have them QA/QC data from previous years. Allocated funds - \$29,900.00.
 - e) Scope #5 – Battery Creek Pond - Woolpert analyzed the Battery Creek Burton Hill M2 pond for potential deficiencies that are causing excess trash to end up in the overflow ditch that leads to the marshes of Battery Creek, bypassing the trash rack. The trash rack will be replaced with a standard grate rack installed to the elevations originally specified on the plans for the pond. Major upgrades will be considered if this does not help the issue.
 - f) Scope #6 – Turtle Lane drainage study. Continuously flooded property, Stormwater staff wanted to determine if it would be useful to purchase and put BMP in place. Determination was no BMP yet but could fit into larger study of Northern Ladys Island. Allocated funds - \$10,000.00. Project Completed.
 - g) Scope #7 – NPDES SMS4 general permit assistant
 - a) Scope #8 – St. Helena Drainage Study. Staff have seen initial modeling information. Request for more information needed to model future conditions.
 - b) Scope #9 – Arthur Horne Park 319 Grant Funding – Grant applied for. Staff met on site with NRCS staff on April 5th to discuss project. Project was selected to go to the second phase of application.
 - c) Scope #10 – Ladys Island Drainage Study Phase I – All field work has been completed.

Regional Coordination

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

Municipal Reports

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

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

3. City of Beaufort (From Nate Farrow, Public Works Director)
 - i. No information was available at the time of this report.
4. Town of Port Royal (From Van Willis, Town Manager and Tony Maglione, consultant)
 - i. No information was available at the time of this report.

MS4 Report

1. Plan Review – [See the attached chart](#) for Beaufort County Stormwater staff plan review workload for the past 12 months.
2. Stormwater Permits – [See the attached chart](#) for Beaufort County Stormwater permits issued for the past 12 months.
3. Monthly Inspection summary - [See the attached chart](#) for Beaufort County Stormwater staff inspection, complaint, IDDE, and violations summary for the past 12 months.
4. Weather Station Data – Report unavailable.
5. Public Education.
6. Energov permitting software – Staff continues to work with IT and Energov staff on any issues that arise.
7. MS4 Statewide General permit – DHEC spoke at IECA Region 4 Conference. No progress for new permits have been made on the Phase II MS4 permits.

Staff Update

1. The Department continues to conduct interviews for all vacant positions in Stormwater Infrastructure - ((1) Foreman, (2) Equipment Operator I, and (5) Maintenance Workers).

USCB Water Quality Lab Update

Beaufort County

Contract Renewal: Contract has been drafted and waiting on signatures from Beaufort County to continue services. Current contract is set to expire on 6/30/22.

Monitoring for 2022 includes monitoring for the following categories:

Category 1: TMDL monitoring

Category 2: IDDE screening and monitoring

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

Category 4: MOA points

Category 5: Special project monitoring

Status: First quarter of 2022 is finished with all sites scheduled collected. Second quarter has begun.

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

Mossy Oaks Drainage Study: Mossy Oaks drainage area plan consists of a bi-monthly collection of four sampling sites; two outfall basins and two upstream basins.

Status: Bi-monthly sampling has begun in June 2021. A full year's worth of data will be complete at the end of May 2022.

Pepper Hall Drainage Study: Pepper Hall property monitoring plan consists of a bi-monthly collection of six sampling sites; 3 inlets and 3 outlets to determine baseline data prior to construction. Sampling will continue during and after construction to measure the effectiveness of BMP's required on-site.

Status: Bi-monthly sampling began in January 2021. Sample collection has ceased due to lack of access to site locations.

Port Royal Redevelopment: The Town of Port Royal continues with WQ monitoring for the four sites in the proposed redevelopment area. The sampling schedule is quarterly wet events and is included in Beaufort County's Monitoring Plan.

Status: First quarter of 2022 is finished with all sites scheduled collected. Second quarter has begun.

Town of Bluffton

Monitoring for 2022 includes monitoring for the following categories: MS4, TMDL, Monthly, MST, CIP, MRWAP and shared locations. Also, sample collection began for Bridge Street sites for wet weather.

Status: Monitoring for 2022 will begin with additional sampling sites and increased frequency of 2X a month including help of WQL staff collecting samples.

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

USCB Water Quality Laboratory

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

Status: One wet and one dry event along with additional parameters requested have been collected.

2022 Proficiency testing for the Water Pollution and Water Supply study: Annual PT testing required for all certified laboratory parameters to uphold certification. This study consists of 10 different analyses requiring the analysis of an unknown sample, which is then reported to the PT provider and the State. The passing of all analyses in the study is a requirement to keep laboratory state certification.

Status: PT studies for all parameters have passed.

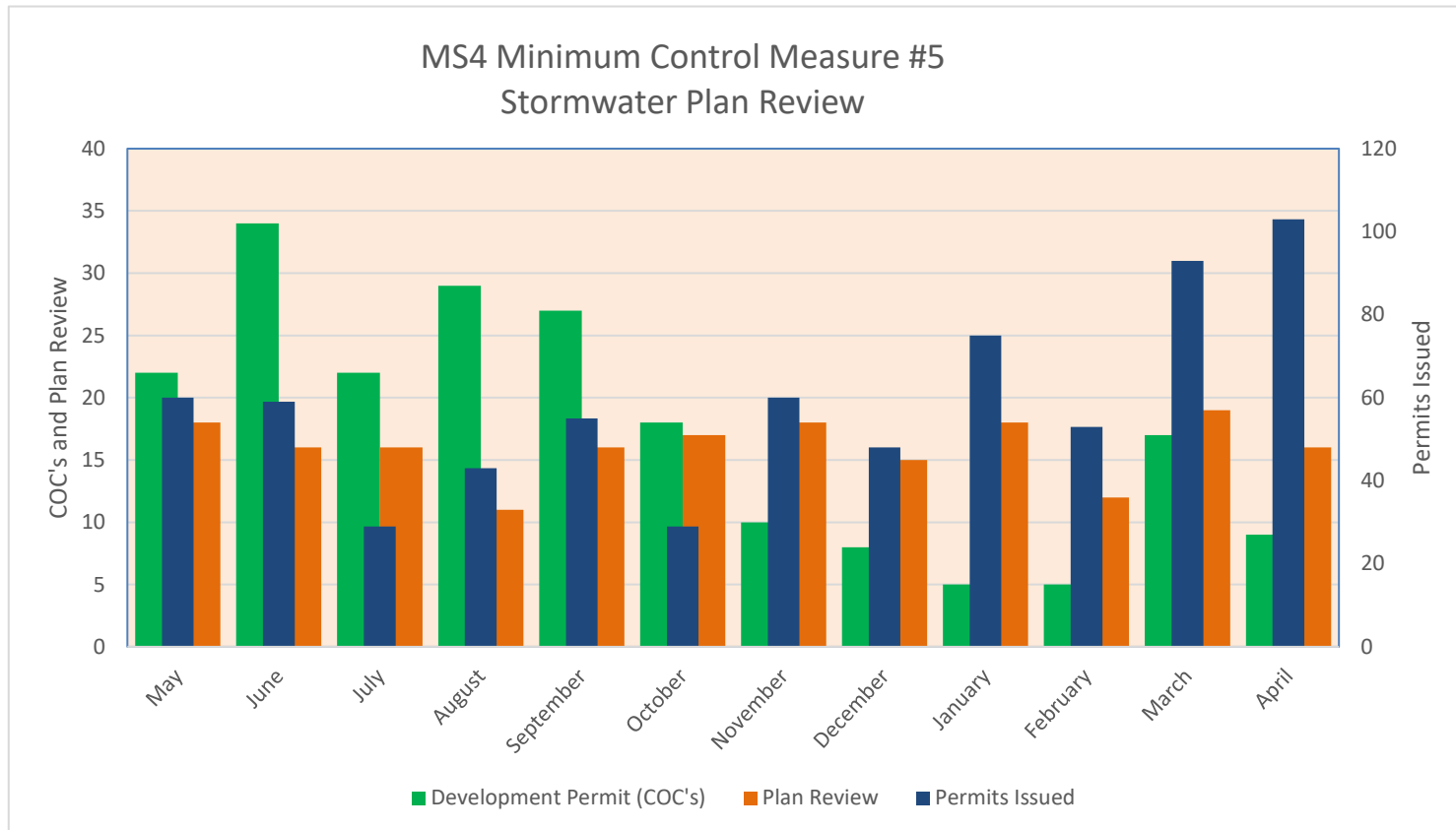
Standard Operating Procedures and Quality Assurance Manual: Annual update of these documents in its entirety are required to uphold State laboratory certification.

Status: In process of updating documents

SC State Method Update Rules: SC State pushed laboratory method updates requirements for laboratory methods. These updates must be implemented and abided by in the laboratory for those affected methods. This includes standard operating procedures and associated analytical records.

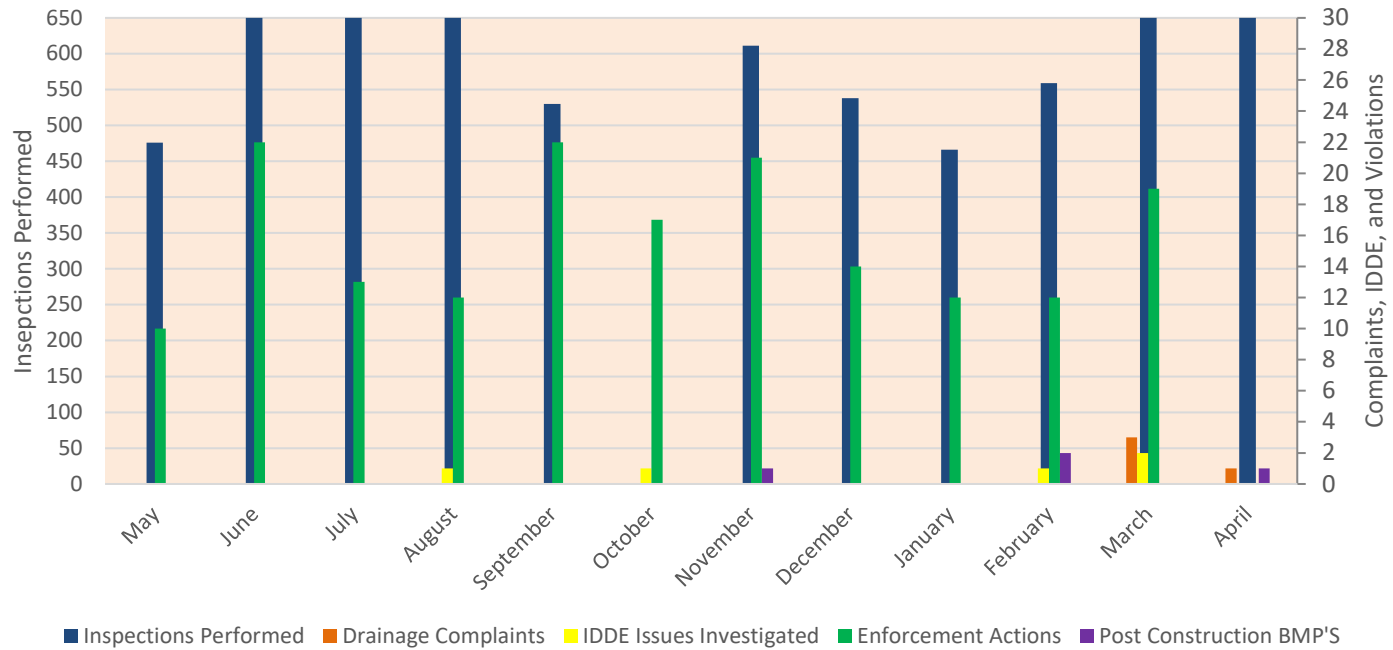
Status: Partial standard operating procedure updates and analytical logbooks and forms updated.

Purchases: New in-situ instrumentation purchased due to old instrumentation being obsolete and repair costs outweigh worth.



TYPE	May	June	July	August	September	October	November	December	January	February	March	April	Last 12 Months
Development Permit (COC's)	22	34	22	29	27	18	10	8	5	5	17	9	206
Plan Review	18	16	16	11	16	17	18	15	18	12	19	16	192
Permits Issued	60	59	29	43	55	29	60	48	75	53	93	103	275

MS4 Minimum Control Measure #4 Erosion Sediment Control Inspections



TYPE	May	June	July	August	September	October	November	December	January	February	March	April	Last 12 Months
Inspections Performed	476	743	662	654	530	323*	611	538	466	559	864	770	3065
Drainage Complaints	0	0	0	0	0	0	0	0	0	0	3	1	4
IDDE Issues Investigated	0	0	0	1	0	1	0	0	0	1	2	0	5
Enforcement Actions	10	22	13	12	22	17	21	14	12	12	19		174
Post Construction BMP'S	0	0	0	0	0	0	1	0	0	2	0	1	9

Project (Year 2022)	Project Type	POC	Direct/Indirect	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Nov	Dec	KEY
Small Grants Program	Programs	Bacteria, Freshwater	Direct				Drafting								Not Started
Pet Waste Station Map	Programs	Bacteria	Indirect												In Progress
Septic Workshop	Programs	Bacteria	Direct				Planning meeting set								Completed
Healthy Pond Series: Wildlife (Feb)	Programs	Nutrients	Direct												
Healthy Pond Series: CCY (May)	Programs	Nutrients	Direct						Jun-22						
Healthy Pond Series: Shorelines (Sept)	Programs	Nutrients	Direct				Planning meetings set								
Healthy Pond Series: Aeration (Dec)	Programs	Nutrients	Direct				Planning meetings set								
Being a Neighbor for Clean Water (April)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct				Planning meetings set								
Soil Sample Drive	Programs	Nutrients	Direct												
Buffer Workshop	Programs	Nutrients	Direct						Jul-22						
LID Lunch-and-Learn	Programs	Freshwater	Direct												
Flooding 411 Ask and Expert: Insurance (March)	Programs	Freshwater	Direct												
Flooding 411 Ask and Expert: Meet your Floodplain Manager (Sept)	Programs	Freshwater	Direct												
Flooding 411 Ask and Expert: Dams (Dec)	Programs	Freshwater	Direct												
Flooding 411 (June)	Programs	Freshwater	Direct				6/8, 6/14, 6/22, 6/28								
Adopt-A-Stream (Spring)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
Adopt-A-Stream (Fall)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
4-H2O (July)	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct				7/12/22, 7/13/22, 7/14/22								
Kids in Kayaks	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct				5/2 and 5/4 cancelled								
BMP Park Field Day	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												
LSP consortium meeting (Feb)	Programs	Consortium Management	Direct												
LSP consortium meeting (May)	Programs	Consortium Management	Direct						17-May						
LSP consortium meeting (Sept)	Programs	Consortium Management	Direct												
LSP consortium meeting (Dec)	Programs	Consortium Management	Direct												
MS4 meetings (Jan)	Programs	Consortium Management	Direct												
MS4 meetings (June)	Programs	Consortium Management	Direct				Date set for 6/9/22								
MS4 meetings (Nov)	Programs	Consortium Management	Direct				Date set for 11/10/22								
Water Festival	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect				Application submitted								
May River Sweep	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect					30							
Keep Broad Creek Clean Festival	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Beach/River Sweep	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Soft Shell Crab Festival	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect					300							
Shrimp Fest	Programs	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
LID Map Updates	Programs	Freshwater	Indirect												
Construction Site Social Media Campaign	Programs	Freshwater	Indirect												
Septic Factsheet	Publication	Bacteria	Indirect				Submitted to HGIC								
Bilingual Septic Rack Cards	Publication	Bacteria	Indirect				Drafting								
Septic "Welcome to the Neighborhood" Packets	Publication	Bacteria	Indirect				Drafting								
Boater informational Packet	Publication	Bacteria	Indirect												
Boater online resources	Publication	Bacteria	Indirect												
Construction Site Rack card/Door Hanger	Publication	Freshwater	Indirect				Draft in review								
BMP info packet	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Changing Tides (monthly)	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
News Article 1	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
News Article 2	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
News Article 3	Publication	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Septic Step-Stake sign	Media	Bacteria	Indirect												
Boater Waste Signage	Media	Bacteria	Indirect												
Soil sample placards at retailers	Media	Nutrients	Indirect												
Native Plant Signage	Media	Nutrients	Indirect												
Buffer Mailers	Media	Nutrients	Indirect												
Septic Mass Media Campaign	Media	Bacteria	Indirect												
FB posts (one a week)	Media	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect				5 posts, 429 reached								
SWUB Report (monthly)	Reporting	Consortium Management	Indirect				5/5/2022								
LSP Annual Report	Reporting	Consortium Management	Indirect												
Boater Waste Buckets/Bags	Purchases	Bacteria	Indirect												
Native Seed Promo Packet	Purchases	Nutrients	Indirect				Ordered								
LSP Tent	Purchases	Consortium Management	Indirect				Searching for Vendor								
LSP Tablecloth	Purchases	Consortium Management	Indirect				Ordered								
LSP Stand-up Sign	Purchases	Consortium Management	Indirect				Ordered								
Boater signs	Purchases	Bacteria	Indirect												
Rack Cards	Purchases	General Stormwater, Bacteria, Nutrients, Freshwater	Indirect												
Soil Sample Displays (signs and holders)	Purchases	Nutrients	Indirect												
Pet waste signs	Purchases	Bacteria	Indirect				Ordered								
Mailers	Purchases	Bacteria, Nutrients	Indirect				Drafting								
Pet Waste Display materials	Purchases	Bacteria	Indirect				Ordered								
Septic Magnets	Purchases	Bacteria	Indirect				Ordered								
LSP Promo Materials	Purchases	Consortium Management	Indirect												
Pet Waste Displays at Local Orgs	Other	Bacteria	Indirect				Ordered								
Install Pet Waste Pledge Signage	Other	Bacteria	Indirect												
Soil Sample Bags at Local Retailers	Other	Nutrients	Indirect												
Direct Contacts	Other	General Stormwater, Bacteria, Nutrients, Freshwater	Direct												



MEMORANDUM

Date: May 3, 2022

To: Stormwater Management Utility Board

From: Matthew Rausch, Stormwater Infrastructure Superintendent

Re: **Maintenance Project Report**

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

Major Projects:

- **Cee Cee Road – St. Helena Island (8):** This project improved 5,064 linear feet of drainage system. The scope of work included cleaning out 5,064 linear feet of roadside ditch and jetting (5) driveway pipes. The total cost was **\$16,664.70.**
- **Mink Point S/D – Huron Dive and Ermine Drive – Port Royal Island (6):** This project improved 3,262 linear feet of drainage system. The scope of work included cleaning out 2,837 linear feet of roadside ditch and (1) catch basin, jetting (2) crossline pipes, (36) driveway pipes, (1) access pipe and 425 linear feet of channel pipe. Hydroseeded for erosion control. The total cost was **\$26,709.45.**

Minor or Routine Projects:

- **Alumni Road Channel – Lady's Island (7):** This project improved 1,915 linear feet of drainage system. The scope of work included cleaning out 1,915 linear feet of channel. The total cost was **\$4,656.19.**
- **Black Skimmer Drive W– Lady's Island (7):** This project improved 50 linear feet of drainage system. The scope of work included cleaning out 50 linear feet of roadside ditch. Installed rip rap for erosion control. The total cost was **\$2,543.64**
- **Cape Jasmine Street and Abelia Lane – Bluffton (4):** This project improved 3,872 linear feet of drainage system. The scope of work included cleaning out 3,872 linear feet of roadside ditch, jetting (1) driveway pipe and (1) crossline pipe. The total cost was **\$10,913.21.**
- **Christine Drive – Lady's Island (7):** This project improved 90 linear feet of drainage system. The scope of work included cleaning out 90 linear feet of channel. The total cost was **\$1,360.67.**
- **First Coleman Road – St. Helena Island (8):** This project improved 1,300 linear feet of drainage system. The scope of work included cleaning out 1,300 linear feet of roadside ditch, jetting (1) crossline pipe and (12) driveway pipes. The total cost was **\$6,597.73.**

- **Gumwood Drive – Lady’s Island (7):** This project improved 40 linear feet of drainage system. The scope of work included installing (1) access pipe. The total cost was **\$3,130.07.**
- **Tucker Ave – Lady’s Island (7):** This project improved 275 linear feet of drainage system. The scope of work included cleaning out 275 linear feet of roadside ditch. The total cost was **\$1,787.89.**
- **Port Royal Bush Hog – Port Royal Island (6):** This project improved 65,355 linear feet of drainage system. The scope of work included bush hogging 65,355 linear feet of channel. The total cost was **\$41,639.49.**
- **St. Helena Island Bush Hog – St. Helena Island (8):** This project improved 103,381 linear feet of drainage system. The scope of work included bush hogging 87,412 linear feet of channel and 15,969 linear feet of roadside ditch. The total cost was **\$72,629.96.**



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Cee Cee Road

Activity: Routine/Preventive Maintenance

Duration: 10/13/2021 - 10/22/2021

Narrative Description of Project:

Project improved 5,064 L.F. of drainage system. Cleaned out 5,064 L.F. of roadside ditch. Jetted (5) driveway pipes.

2022-517 / Cee Cee Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	0.00	\$15.59	\$0.00	\$0.00	\$9.62	\$25.21
DPJT / Driveway Pipe - Jetted	8.00	0.00	\$261.27	\$153.28	\$49.92	\$161.28	\$625.75
HAUL / Hauling	100.00	0.00	\$2,973.45	\$1,448.56	\$433.59	\$1,491.44	\$6,347.04
RSDCL / Roadside Ditch - Cleanout	180.00	0.00	\$5,829.87	\$905.10	\$391.76	\$2,539.96	\$9,666.69
Grand Total	288.50	0.00	\$9,080.19	\$2,506.94	\$875.27	\$4,202.30	\$16,664.70

Before

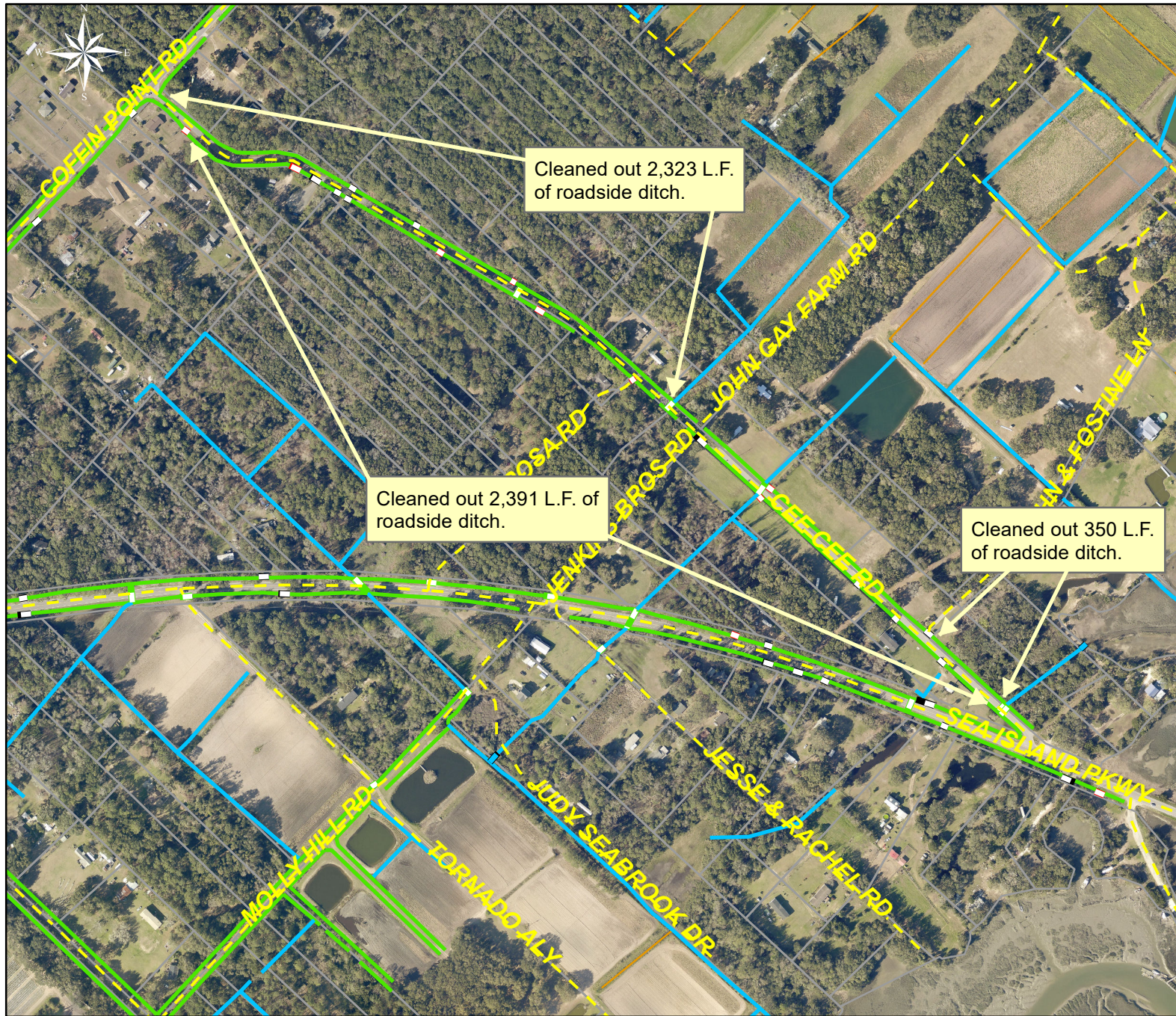


During



After





Project: Cee Cee Road
 Map #1
 Activity: Routine/
 Preventive
 Maintenance

Project #:
 2022-517

Township/SW Dist:
 St. Helena Island/8

Completed:
 October 2021

Legend

Drainage Type

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

0 115230 460 690 920
 Feet

1 inch = 500 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/06/22

File: C:\project summaries map\Warsaw Island Road_2022-529



Project: CeeCee
Road Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-517

Township/SW Dist:
St. Helena Island-8

Completed:
October 2021

Legend

Drainage Type

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

0 55110 220 330 440
Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility

Date Print: 02/02/22

File: C:\project summaries map\CeeCee Rd Map_2022-517



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Mink Point S/D-Huron Drive and Ermine Drive

Activity: Routine/Preventive Maintenance

Duration: 08/05/2021 - 09/15/2021

Narrative Description of Project:

Project improved 3,262 L.F. of drainage system. Cleaned out 2,837 L.F. of roadside ditch and (1) catch basin. Jetted (2) crossline pipes, (36) driveway pipes, (1) access pipe and 425 L.F. of channel pipe. Hydroseeded for erosion control.

2022-502 / Mink Point Subdivison	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	2.00	0.00	\$62.34	\$0.00	\$0.00	\$38.48	\$100.82
CBIN / Catch basin - inspected	12.00	0.00	\$279.79	\$115.55	\$71.16	\$0.00	\$466.50
CPJ / Channel Pipe - Jetted	16.00	0.00	\$522.55	\$306.56	\$86.92	\$322.56	\$1,238.59
DPJT / Driveway Pipe - Jetted	64.00	0.00	\$2,090.19	\$1,226.24	\$239.12	\$1,290.24	\$4,845.79
HAUL / Hauling	108.00	0.00	\$3,399.73	\$2,058.48	\$410.39	\$2,098.48	\$7,967.08
HYDR / Hydroseeding	40.00	0.00	\$994.72	\$168.64	\$1,160.98	\$79.24	\$2,403.58
PA / Project Assit	32.00	0.00	\$907.54	\$184.93	\$53.50	\$166.56	\$1,312.52
RDBH / Roadside ditch - bushhogged	24.00	0.00	\$542.35	\$142.15	\$29.54	\$213.76	\$927.80
RSDCL / Roadside Ditch - Cleanout	148.00	0.00	\$4,255.21	\$779.20	\$264.34	\$1,844.36	\$7,143.11
UTLOC / Utility locates	6.00	0.00	\$161.40	\$17.28	\$14.76	\$110.22	\$303.66
Grand Total	452.00	0.00	\$13,215.82	\$4,999.03	\$2,330.71	\$6,163.90	\$26,709.45

Before



During



After





Project: Mink Point
S/D- Huron Drive
and Ermine Drive
Map # 1

Activity: Routine/
Preventive
Maintenance

Project #:
2022-502

Township/SW Dist:
Port Royal Island/6

Completed:
September 2021

Legend

Drainage Type

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

0 55 110 220 330 440
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/22/22

File: C:\project summaries map\Mink Point S/D-Huron Dr. and Ermine Dr Map # 1_2021-502



Project: Mink Point
S/D- Huron Drive
and Ermine Drive
Map # 2

Activity: Routine/
Preventive
Maintenance

Project #:
2022-502

Township/SW Dist:
Port Royal Island/6

Completed:
September 2021

Legend

Drainage Type

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

0 55 110 220 330 440
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/22/22

File: C:\project summaries map\Mink Point S/D-Huron Dr. and Ermine Dr Map # 1_2021-502



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Alumni Road Channel

Activity: Routine/Preventive Maintenance

Duration: 11/16/2021 - 11/17/2021

Narrative Description of Project:

Project improved 1,915 L.F. of drainage system. Cleaned out 1,915 LF of channel.

2022-523 / Alumni Road Channel	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	0.00	\$15.59	\$0.00	\$0.00	\$9.62	\$25.21
CCO / Channel - cleaned out	48.00	0.00	\$1,319.37	\$343.29	\$118.90	\$566.56	\$2,348.12
HAUL / Hauling	32.00	0.00	\$953.76	\$609.92	\$245.10	\$474.08	\$2,282.86
Grand Total	80.50	0.00	\$2,288.72	\$953.21	\$364.00	\$1,050.26	\$4,656.19

(No Pictures Available)



Project: Alumni
Road Channel

Activity: Routine/
Preventive
Maintenance

Project #:
2022-523

Township/SW Dist:
Lady's Island/7

Completed:
November 2021

Legend

Drainage Type

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

0 87.5175 350 525 700
Feet

1 inch = 420 feet

Prepared By: BC Stormwater Management Utility
Date Print: 01/06/22
File: C:\project summaries map\Alumni Road_2022-523



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Black Skimmer Drive W

Activity: Routine/Preventive Maintenance

Duration: 01/03/2022 - 01/25/2022

Narrative Description of Project:

Project improved 50 L.F. of drainage system. Cleaned out 50 LF of roadside ditch. Installed rip rap for erosion control.

2022-533 / Black Skimmer Drive W

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	0.00	\$15.59	\$0.00	\$0.00	\$9.62	\$25.21
HAUL / Hauling	14.00	0.00	\$336.78	\$266.84	\$422.06	\$35.96	\$1,061.64
PP / Project Preparation	28.00	0.00	\$643.28	\$34.80	\$60.27	\$195.24	\$933.59
RRI / Rip Rap - Installed	4.00	0.00	\$81.74	\$8.70	\$15.78	\$0.00	\$106.22
RSDCL / Roadside Ditch - Cleanout	12.00	0.00	\$280.00	\$17.40	\$28.70	\$71.92	\$398.02
UTLOC / Utility locates	0.50	0.00	\$12.35	\$0.00	\$0.00	\$6.62	\$18.97
Grand Total	59.00	0.00	\$1,369.74	\$327.74	\$526.81	\$319.36	\$2,543.64

Before



During



After





Project: Black Skimmer
Drive W

Activity: Routine/
Preventive
Maintenance

Project #:
2022-533

Township/SW Dist:
Ladys Island/7

Completed:
January 2022

Legend

Drainage Type

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

0 50 100 200 300 400
Feet

1 inch = 220 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/22/22

File: C:\project summaries map\Black Skimmer Drive W_2022-533



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Cape Jasmine Street and Abelia Lane

Activity: Routine/Preventive Maintenance

Duration: 07/23/2021 - 09/01/2021

Narrative Description of Project:

Project improved 3,872 L.F. of drainage system. Cleaned out 3,872 L.F. of roadside ditch. Jetted (1) driveway pipe and (1) crossline pipe.

2022-501 / Cape Jasmine Street and Abelia Lane

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	0.00	\$15.59	\$0.00	\$0.00	\$9.62	\$25.21
CLPJT / Crossline Pipe - Jetted	8.00	0.00	\$261.27	\$153.28	\$40.05	\$161.28	\$615.88
HAUL / Hauling	64.00	0.00	\$1,965.47	\$1,067.36	\$270.39	\$1,098.56	\$4,401.78
PRRECON / Project Reconnaissance	4.00	0.00	\$126.24	\$76.24	\$37.05	\$77.92	\$317.45
RSDCL / Roadside Ditch - Cleanout	88.00	0.00	\$2,565.67	\$694.06	\$243.66	\$1,185.20	\$4,688.59
TRAIN / Training	16.00	0.00	\$438.14	\$152.48	\$41.99	\$155.84	\$788.45
UTLOC / Utility locates	2.00	0.00	\$49.40	\$0.00	\$0.00	\$26.46	\$75.86
Grand Total	182.50	0.00	\$5,421.77	\$2,143.42	\$633.14	\$2,714.88	\$10,913.21

Before



During



After





Project: Cape
Jasmine Street and
Abelia Lane

Street Map # 1

Activity: Routine/
Preventive
Maintenance

Project #:

2022-501

Township/SW Dist:
Bluffton/4

Completed:
September 2021

Legend

Drainage Type

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

0 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/06/22

File: C:\project summaries map\Cape Jasmine Street Map # 1_2022-501



Project: Cape
Jasmine Street and
Abelia Lane

Street Map # 2

Activity: Routine/
Preventive
Maintenance

Project #:

2022-501

Township/SW Dist:
Bluffton/4

Completed:
September 2021

Legend

Drainage Type

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

0 40 80 160 240 320
Feet

1 inch = 250 feet

Prepared By: BC Stormwater Management Utility

Date Print: 01/06/22

File: C:\project summaries map\Cape Jasmine Street Map # 2_2022-501



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Christine Drive

Activity: Routine/Preventive Maintenance

Duration: 08/05/2021 - 09/24/2021

Narrative Description of Project:

Project improved 90 L.F. of drainage system. Cleaned out 90 L.F. of channel.

2022-503 / Christine Drive

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	5.50	0.00	\$168.20	\$0.00	\$0.00	\$102.82	\$271.02
CCO / Channel - cleaned out	8.00	0.00	\$260.30	\$60.34	\$56.12	\$79.24	\$456.00
HAUL / Hauling	8.00	0.00	\$219.09	\$76.24	\$49.02	\$77.92	\$422.27
UC / Utility Coordination	4.00	0.00	\$106.74	\$8.58	\$12.30	\$83.76	\$211.38
Grand Total	25.50	0.00	\$754.33	\$145.16	\$117.44	\$343.74	\$1,360.67

Before



During



After





Project: Christine Drive

Activity: Routine/
Preventive
Maintenance














Project #:
2021-503

Township/SW Dist:
Lady's Island/7

Completed:
September 2021

Legend

Drainage Type

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

0 50 100 200 300 400
Feet

1 inch = 160 feet

Prepared By: BC Stormwater Management Utility
Date Print: 10/25/21
File: C:\project summaries map\Christine Drive_2021-503



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: First Coleman Road

Activity: Routine/Preventive Maintenance

Duration: 11/08/2021 - 11/16/2021

Narrative Description of Project:

Project improved 1,300 L.F. of drainage system. Cleaned out 1,300 LF of roadside ditch. Jetted (1) crossline pipe and (12) driveway pipes.

2022-519 / First Coleman Road

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	0.00	\$15.59	\$0.00	\$0.00	\$9.62	\$25.21
DPJT / Driveway Pipe - Jetted	10.00	0.00	\$326.59	\$191.60	\$43.35	\$201.60	\$763.14
HAUL / Hauling	60.00	0.00	\$1,520.72	\$991.12	\$311.92	\$365.60	\$3,189.36
RSDCL / Roadside Ditch - Cleanout	60.00	0.00	\$1,363.29	\$563.98	\$235.47	\$457.28	\$2,620.03
Grand Total	130.50	0.00	\$3,226.19	\$1,746.70	\$590.74	\$1,034.10	\$6,597.73

Before

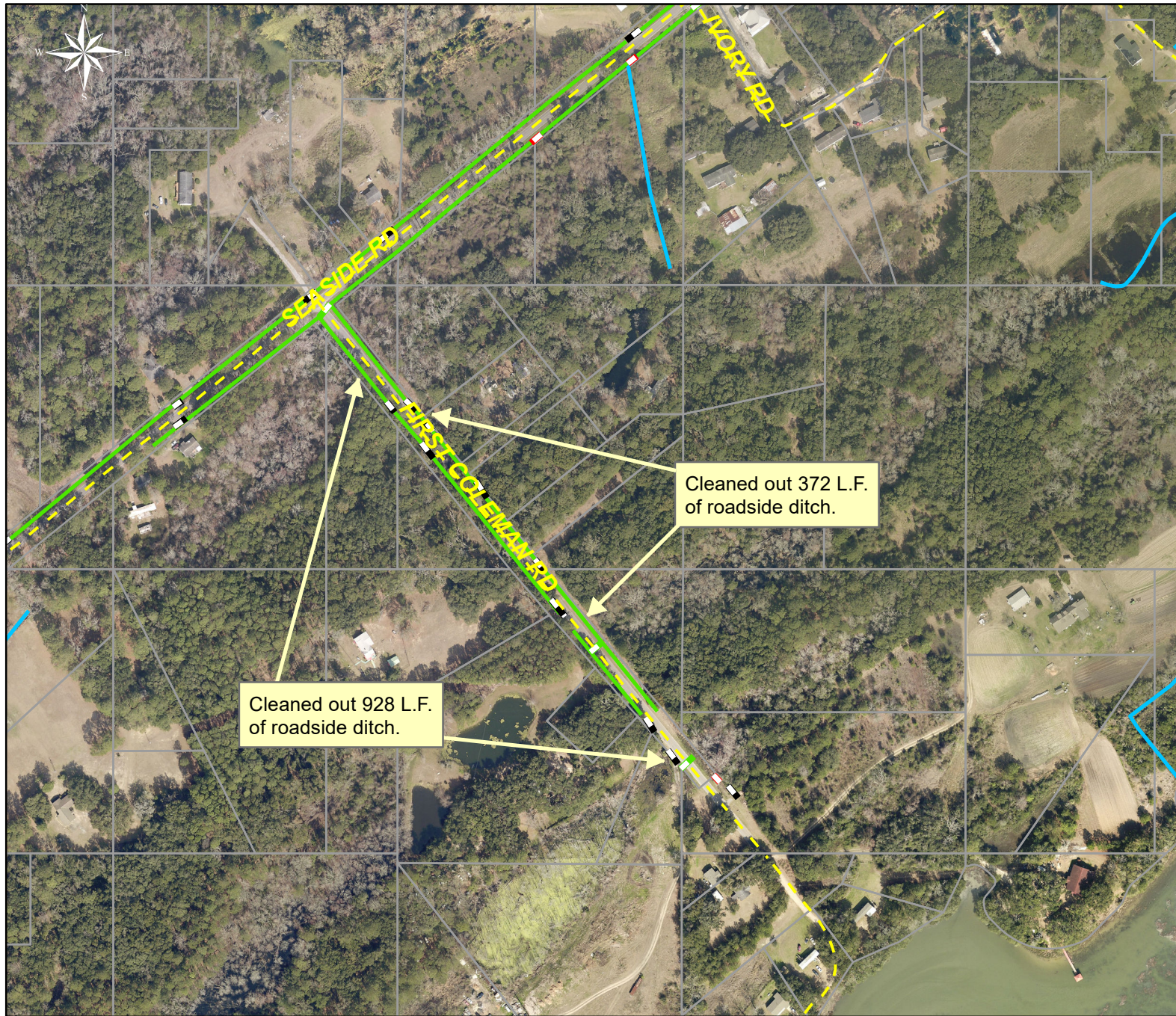


During



After





Project: First
Coleman Road
Map #1
Activity: Routine/
Preventive
Maintenance

Project #:
2021-519

Township/SW Dist:
St. Helena Island/8

Completed:
November 2021

Legend

Drainage Type

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

0 75 150 300 450 600
Feet

1 inch = 330 feet

Prepared By: BC Stormwater Management Utility
Date Print: 01/05/22
File: C:\project summaries map\First Coleman Road_2021-519



Project: First
Coleman Road
Map #2

Activity: Routine/
Preventive
Maintenance

Project #:
2202-519

Township/SW Dist:
St. Helena Island-8

Completed:
November 2021

Legend

Drainage Type

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

0 35 70 140 210 280
Feet

1 inch = 210 feet

Prepared By: BC Stormwater Management Utility
Date Print: 05/03/22
File: C:\project summaries map\First Coleman_2022-519



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Gumwood Drive

Activity: Routine/Preventive Maintenance

Duration: 09/29/2021

Narrative Description of Project:

Project improved 40 L.F. of drainage system. Installed (1) acces pipe.

2022-513 / Gumwood Drive

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
APINS / Access pipe - installed	24.00	0.00	\$790.43	\$104.59	\$516.19	\$325.04	\$1,736.25
AUDIT / Audit Project	0.50	0.00	\$15.59	\$0.00	\$0.00	\$9.62	\$25.21
HAUL / Hauling	24.00	0.00	\$701.27	\$304.96	\$44.15	\$318.24	\$1,368.62
Grand Total	48.50	0.00	\$1,507.28	\$409.55	\$560.34	\$652.90	\$3,130.07

Before



During



After





Project: Gumwood Drive

Activity: Routine/
Preventive
Maintenance

Project #:
2022-513

Township/SW Dist:
Lady's Island/7

Completed:
September 2021

Legend

Drainage Type

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

0 37.575 150 225 300
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility
Date Print: 10/25/21
File: C:\project summaries map\Gumwood Drive_2021-513



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Tucker Avenue

Activity: Routine/Preventive Maintenance

Duration: 08/05/2021 - 08/23/2021

Narrative Description of Project:

Project improved 275 L.F. of drainage system. Cleaned out 275 L.F. of roadside ditch.

2022-504 / Tucker Avenue

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.50	0.00	\$15.59	\$0.00	\$0.00	\$9.62	\$25.21
HAUL / Hauling	10.00	0.00	\$322.24	\$190.60	\$49.40	\$198.90	\$761.14
RSDCL / Roadside Ditch - Cleanout	24.00	0.00	\$542.35	\$77.74	\$69.16	\$105.84	\$795.09
UTLOC / Utility locates	4.00	0.00	\$106.74	\$8.58	\$7.38	\$83.76	\$206.46
Grand Total	38.50	0.00	\$986.91	\$276.92	\$125.94	\$398.12	\$1,787.89

Before

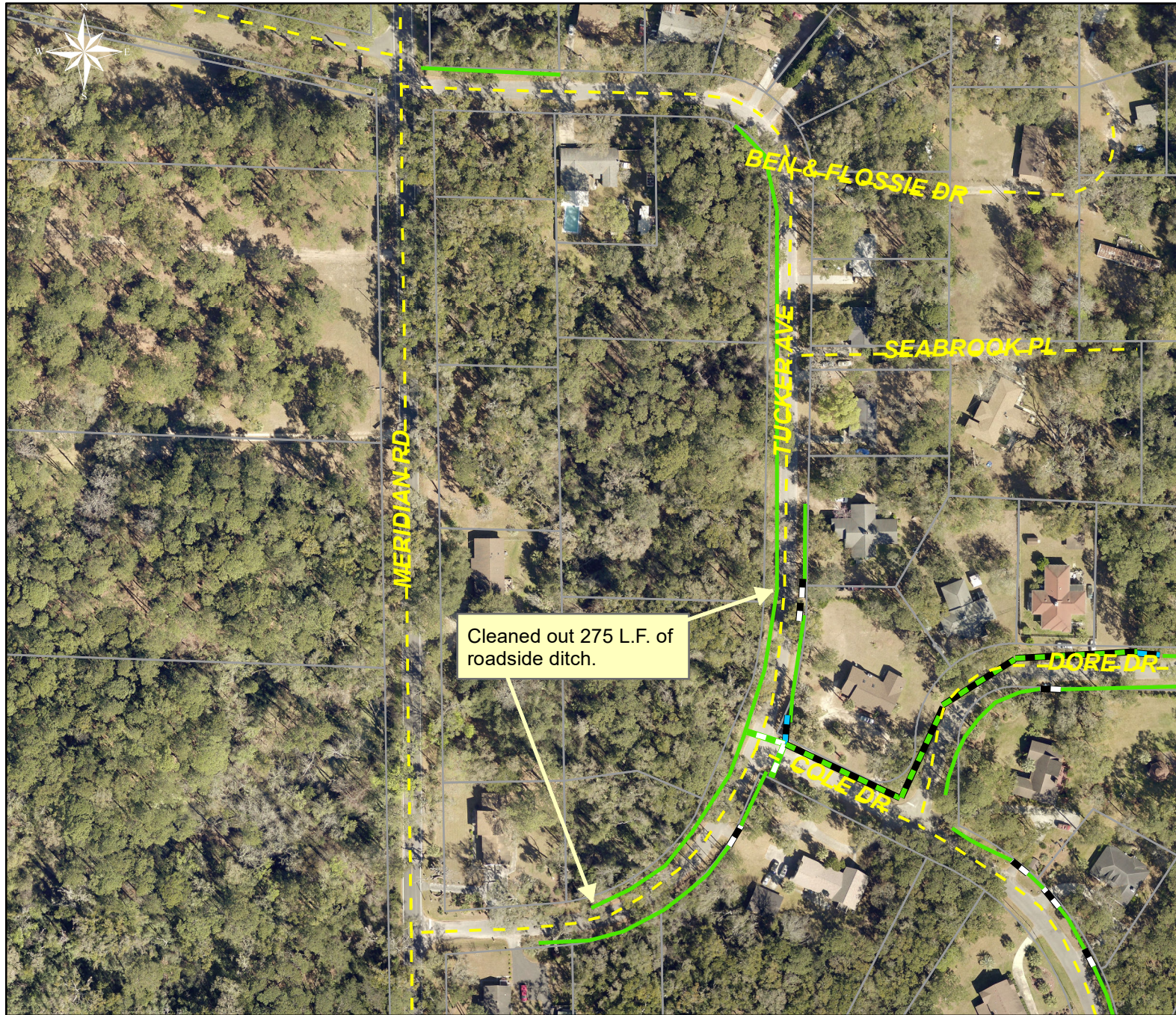


During



After





Project: Tucker Avenue

Activity: Routine/
Preventive
Maintenance

Project #:
2021-504

Township/SW Dist:
Lady's Island/7

Completed:
August 2021

Legend

Drainage Type

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

0 37.575 150 225 300
Feet

1 inch = 170 feet

Prepared By: BC Stormwater Management Utility
Date Print: 01/06/22
File: C:\project summaries map\Tucker Avenue_2022-504



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Port Royal Island Bush Hog

Activity: Routine/Preventive Maintenance

Duration: 01/05/2021 - 07/02/2021

Narrative Description of Project:

Second Rotation: 01/05/2021 - 07/02/2021 Project improved 65,355 L.F. of drainage system. Bush hogged 65,355 L.F. of channel. This project consisted of the following areas: Marina Blvd (1,826 L.F.), Shell Point Recreational Park (1,420 L.F.), Hamrick Drive (1,256 L.F.), LH Nelson Drive (3,530 L.F.), Hale Drive (7,062 L.F.), Cleveland Drive (6,055 L.F.), St Pauls Church Road (8,933 L.F.), Shanklin Road (2,383 L.F.), Quarter Horse Road (2,102 L.F.), Forest Field Road (4,535 L.F.), East Coast Marina (676 L.F.), Huron Drive (920 L.F.), Providence Road (3,694 L.F.), Josphine Road (434 L.F.), Salem Drive East (505 L.F.), Harding Road (230 L.F.), Fair Grounds Road (800 L.F.), Oakmont Drive (181 L.F.), Chesterfield Drive (183 L.F.), Walker Circle (850 L.F.), Broad River Blvd (1,265 L.F.), Leo Green Road (1,388 L.F.), County Shed Road (997 L.F.), Possum Hill Road (1,488 L.F.), and Burton Wells Road (12,642 L.F.).

2021-301A / Port Royal Island Bush Hog

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	4.00	0.00	\$124.68	\$0.00	\$0.00	\$76.96	\$201.64
BUSH / Bush Hogged	16.00	0.00	\$356.56	\$269.40	\$54.06	\$285.92	\$965.94
CBH / Channel- bushhogged	936.00	0.00	\$20,109.00	\$8,575.57	\$1,918.03	\$8,978.68	\$39,581.28
DEBREM / Debris Removal - Jobsite	14.00	0.00	\$299.64	\$30.17	\$5.22	\$98.70	\$433.73
HAUL / Hauling	6.00	0.00	\$136.50	\$176.68	\$25.20	\$118.52	\$456.90
Grand Total	976.00	0.00	\$21,026.38	\$9,051.82	\$2,002.51	\$9,558.78	\$41,639.49

Before

(No Pictures Available)

During

(No Pictures Available)

After





Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: St. Helena Island Bush Hog

Activity: Routine/Preventive Maintenance

Duration: 07/08/2020 - 04/07/2021

Narrative Description of Project:

First Rotation: 07/08/2020-04/07/21 Project improved 103,381 L.F. of drainage system. Bush hogged 87,412 L.F. of channel and 15,969 of roadside ditch. This project consisted of the following areas: Scott Hill Road (3,576 L.F.), Peaches Hill Circle (12,333 L.F.), No Man Land (1,705 L.F.), Wiggfall Road (410 L.F.), Adam Church (278 L.F.), Toomer Road (3,437 L.F.), Tombee Road (1,400 L.F.), Archer Fields Lane (1,829 L7030.F.), Halifax Drive (7,610 L.F.), Kelis Lane (3,291 L.F.), Ann Fripp (2,577 L.F.), White Sands Circle (4,895 L.F.), Shiney Road (630 L.F.), Luther Warren Drive (532 L.F.), Ladson Road (900 L.F.), Seaside Road (1,906 L.F.), Folly Road (407 L.F.), Simmons Road (2,874 L.F.), John Fripp Circle (812 L.F.), Nathan Pope Road (4,113 L.F.), Langford Road (670 L.F.), Cee Cee Road (1,678 L.F.), Warsaw Island Road (2,277 L.F.), Shed Road (1,641), Patchwork Lane (1,421 L.F.), JB Lane (1,975 L.F.), Dulamo Road (260 L.F.), James Grant Road (950 L.F.), Bible Camp Road (4,359 L.F.), St. Helena Drop Off Center (2,200 L.F.), Sea Island Parkway (1,260 L.F.), Polowana Road (2,756 L.F.), Eddings Point Road (1,040 L.F.), Packing Shed (1,052 L.F.), Sycamore Hill Drive (3,164 L.F.), Oaks Plantation Road (1,024 L.F.), Eustis Landing (325 L.F.), Faith Memorial Church (1,481 L.F.), Thompson Estate Circle (800 L.F.), Orange Grove Road (2,797 L.F.), James Washington Road (410 L.F.), Jack Johnson Road (1,410 L.F.), Bridgewood Road (1,550 L.F.), Storyteller Road (720 L.F.), David Green Road (1,380 L.F.), Capers Island Road (544 L.F.), Candy Johnson Road (8,202 L.F.), and Freda Lane (500 L.F.).

2021-300 / St. Helena Island Bush Hog	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
Regular	OT	Cost	Cost	Cost	Cost	Total Cost	
AUDIT / Audit Project	3.50	0.00	\$109.10	\$0.00	\$0.00	\$67.34	\$176.44
CBH / Channel- bushhogged	1,106.00	0.00	\$24,685.20	\$14,891.03	\$2,085.15	\$19,847.68	\$61,509.06
HAUL / Hauling	32.00	0.00	\$718.68	\$311.92	\$42.18	\$604.16	\$1,676.94
HEQ / Haul equipment	8.00	0.00	\$183.92	\$277.12	\$37.75	\$155.84	\$654.63
RDBH / Roadside ditch - bushhogged	144.00	0.00	\$3,208.68	\$1,869.74	\$268.29	\$2,573.28	\$7,919.99
TRCT / Tree cutting	16.00	0.00	\$356.52	\$34.80	\$15.66	\$285.92	\$692.90
Grand Total	#####	0.00	\$29,262.10	\$17,384.61	\$2,449.03	\$23,534.22	\$72,629.96

Before

(No Pictures Available)

During

(No Pictures Available)

After





BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD AGENDA
Wednesday, June 15th, 2022 2:00 p.m.
County Council Chambers
100 Ribaut Rd., Beaufort, South Carolina
843.255.2805

1. CALL TO ORDER – 2:00p.m.

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

- A. Approval of Agenda
 - B. Approval of Minutes – May 18th, 2022
([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
- A. Utility Update – Katie Herrera ([backup](#))
 - B. Monitoring Update – Katie Herrera ([backup](#))
 - C. Stormwater Implementation Committee Report – Katie Herrera([backup](#))
 - D. Stormwater Related Projects – Julianna Corbin ([backup](#))
 - E. Upcoming Professional Contracts Report – Julianna Corbin ([backup](#))
 - F. Regional Coordination – Katie Herrera ([backup](#))
 - G. Municipal Reports – Katie Herrera ([backup](#))
 - H. MS4 Update – Katie Herrera([backup](#))
 - I. Staff Update – Katie Herrera ([backup](#))
 - J. Maintenance Projects Report – Matthew Rausch ([backup](#))
 - K. Liaison Report - Ms. Alice Howard
5. UNFINISHED BUSINESS
6. NEW BUSINESS
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
- A. Wednesday, August 17th 2022 ([backup](#))
9. ADJOURNMENT

