



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD
AGENDA

Wednesday, May 20, 2015
2:00 p.m.

Beaufort Industrial Village, Building 3 Conference Room
104 Industrial Village Road, Beaufort
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 – April 29, 2015 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
 - A. Utility Update – Eric Larson, P.E. ([backup](#))
 - B. MS4 Update - Eric Larson, P.E. ([backup](#))
 - C. Monitoring Update – Eric Larson, P.E. ([backup](#))
 - D. Stormwater Implementation Committee Report – Eric Larson, P.E. ([backup](#))
 - E. Stormwater Related Projects – Eric Larson, P.E. ([backup](#))
 - F. Upcoming Professional Contracts Report – Eric Larson, P.E. ([backup](#))
 - G. Regional Coordination – Eric Larson, P.E. ([backup](#))
 - H. Financial Report ([backup](#))
 - I. Maintenance Projects Report – Eddie Bellamy ([backup](#))
5. UNFINISHED BUSINESS –
6. NEW BUSINESS
 - A. Preliminary Rate Study Results – ATM and Eric Larson
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
 - A. July 15 or July 22, 2015 ([backup](#))
9. ADJOURNMENT



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

April 29, 2015 at 2:00 p.m. in Beaufort Industrial Village Building #3 Conference Room
Draft May 13, 2015

Board Members

Present	Absent
Allyn Schneider	Don Smith
William Bruggeman	Patrick Mitchell
Marc Feinberg	
Larry Meisner	
James Fargher	

Ex-Officio Members

Present	Absent
Andy Kinghorn	Scott Liggett
Jeremy Ritchie	Van Willis

Beaufort County Staff

Eric Larson
Carolyn Wallace
Danny Polk
Kevin Pitts
Eddie Bellamy
Patricia Wilson

Visitors

Bates Rambow, Town of Hilton Head Island
Reed Armstrong, Coastal Conservation League
Lamar Taylor, City of Beaufort
Anthony Maglione, ATM
Paul Moore, Ward Edwards
Kim Jones, Town of Bluffton

1. Meeting called to order – Allyn Schneider

- A. Agenda – The board members consented to move the maintenance report (4J) first during the reports. The agenda was approved with this change.
- B. March 18, 2015 Minutes - Approved.

2. Introductions – Completed.

3. Public Comment(s) – None.

4. Reports – (Mr. Eric Larson and Mr. Eddie Bellamy provided a written report and Mr. Alan Eisenman provided a copy of the March financials and they were attached to the agenda and can be accessed at <http://www.bcgov.net/departments/Administrative/beaufort-county-council/boards-and-commissions/council-appointed/board-list/stormwater-management-utility-board/agendas/2015/042915.pdf>)

J. Maintenance Projects Report – Eddie Bellamy

Mr. Bellamy provided a written project report summary in advance. He said even with all the recent rainfall, the county has not received a report of any impassable roads. The rain brings out hidden problems which keep the utility staff busy.

- A. **Special Presentation – Preliminary Rate Study Results** – Anthony Maglione and Eric Larson
Mr. Maglione provided a presentation on the scope and status of the rate study ([please see attachment](#)). The rate study model would take different model structures and yield multiple results based on a desired rate fee. When questioned by Mr. Larry Meisner about geographical or large tract components for credit, Mr. Maglione and Mr. Larson replied by stating that residential accounts have a three tier system and pay a Standard Family Unit (SFU) Fee based on square footage and no credits are issued to these accounts. Non-residential accounts have a potential to earn up to 50% credit on Stormwater Utility Fees. Individuals receive one bill which the county collects and disperses to the municipalities. Mr. Maglione stated that rate studies should be

accomplished every 5 years. Mr. Larson explained the need for a special Task Order (\$79,291) which the County Council took action on. This task order was necessary to update impervious area calculations on approximately 5,000 non-residential properties. This was a non-agenda item for the County Council and the project is funded by the management fee (\$2.80/SFU) which is benefitting the entire county.

B. Utility Update – Eric Larson

The papers he presented on the Center for Watershed Protection (CWP) Webinar have been accepted for both the ICEA and SESWA conferences. Also the (CWP) is developing an excel spreadsheet customized for Beaufort County which is compatible with local codes. This is part of the Coastal Low Impact Development Manual the Center created (funded by NERRS, Sea Grant, NOAA, and DNR).

C. MS4 Update – Eric Larson

MS4 Permit Application – The municipalities and the county applications will be reviewed at the same time even though they were submitted at different times.

MS4 Program development – Staff is considering proposed task orders from ATM to begin ordinance updates for development which probably will not affect this fiscal year.

D. Monitoring Update – Eric Larson

USCB Lab- Mr. Larson reported that Dr. Warren's submittals for microbiological and in-situ parameters are lacking a site visit from DHEC for the lab to get final certification. The lab is continuing to work on other certifications which they should have by the end of the year. Mr. Larson added that the county is disengaging services with GEL Engineering effective July 31, 2015. DHEC has confirmed that the USCB Lab will be able to handle MS4 monitoring needs. When questioned how much the lab should save the county, Mr. Larson stated that the county has a MOU which pays \$90,000 per year (\$45,000 twice a year). At the year end the account will be reconciled and the credit will roll over into the following year like a prepaid account. The lab functions as a non-profit commercial lab which should lower costs for the county.

E. Stormwater Implementation Committee (SWIC) Report – Eric Larson

Public Education – Continue to discuss education.

Rate Study – Committee is continuing to discuss the rate study.

Management Plan – Discussed how SWIC will implement the update to the management plan.

F. Stormwater Related Projects – Eric Larson

US 278 Retrofit Ponds – Ponds are under construction with one site cleared and crews are working on clearing the second site. All permits have been obtained and entrances and erosion control on the remainder of the four sites are in place. Contractors are clearing the sites and the utility crew will perform the majority of the work.

Okatie West / SC 170 – The closing of the New Leaf LLC Trust is still pending. The development agreement was defaulted on resulting in a lien on the property. The county is applying for a Clean Water Act Section 319 Grant. The application is due on Monday and grant funding would provide the opportunity to build for 40% of the cost.

Other Comments – Mr. Larry Meisner questioned enforcement of erosion control issues. Mr. Larson replied that currently no utility fees go towards enforcement of erosion control issues, but that will change when the MS4 permit is implemented.

G. Professional Contracts Report – Eric Larson

Utility Rate Study – Presented earlier by Mr. Maglione.

Management Plan (Master Plan) Update – SWIC is in the process of developing a scope for the management plan update which once agreed upon by SWIC will be used to provide a RFQ for advertising. The SWIC panel will be the selection committee. Ideally it will be a cost share with the county and the municipalities. The need of the RFQ was questioned and Mr. Larson said that the scope, size, and cost of the project were issues. Also, not all municipalities were represented in the selection process of the consultant firm the county currently employs.

H. Regional Coordination - Eric Larson

Battery Creek Pond Funded by an EPA 319 Grant – The easement is signed but a court recorded copy is still needed to make the permit application official.

Old Woodland Plantation - The project is a good example of the Town of Hilton Head Island and the county working together. The project is almost complete.

May River Watershed Action Plan – Jeremy Ritchie reported that Pine Ridge has an executed contract which should be starting. Stony Creek is ongoing. The Town of Bluffton is also pursuing a 319 Grant to partner with Hampton Lake. The Center for Watershed Protection is also developing an excel spreadsheet customized for the Town of Bluffton, as part of the Coastal Low Impact Development Manual (mentioned in 4B), which is really good recognition for the region. Mr. Ritchie mentioned a few measures with respect to the May River Action Plan. The Town of Bluffton has adopted a Sewer connection ordinance requiring connection to an existing sewer if the owner is within 300 feet of a connection. Also, home improvements which increase property value by 25% will trigger sewer connections if that availability is present. The Town of Bluffton has been working with Beaufort Jasper Water Sewer Authority on a May River Watershed Sewer Master Plan to bring before the SWIC for further discussion/feedback and eventually bring before the utility board for consideration.

- I. **Financial Report** – Alan Eisenman - Copies of the March Stormwater Financials were provided in advance.

5. Unfinished Business – None

6. New Business – Carolyn Wallace

- A. *Fiscal Year 2016 Proposed Budget* – Mrs. Wallace provided her report in advance. She provided a presentation on the proposed budget. The report does not include any new revenues generated by the projected rate study. At the SWIC meeting in February, she presented a proposed budget of \$357,000 for Stormwater Management (SWM). For the municipalities and county to support this budget, the cost-share per Single Family Unit (SFU) was requested to be raised from \$2.80 per SFU to \$3.18 per SFU. The current proposed budget for SWM has increased to over \$360,000 and the county will absorb the \$3,000 shortfall.

The municipalities were asked to continue to cost share Public Education/Public Outreach at an estimated cost of \$60,000. The City of Beaufort and the Town of Port Royal were asked to continue their participation in the Water Quality Monitoring Program North of the Broad River. The municipalities are being asked to share in the master plan update with an estimated cost of \$475,000. To balance the budget, the utility is budgeting \$1.9 million from utility reserves. Mr. Larson said the rate study should fund the \$1.9 million and if not amendments would be made so cash reserves are not depleted. Annexation from the municipalities is redirecting the revenues from the county. Ms. Kim Jones questioned why a decrease in revenues would not result in a decrease of county services. Mr. Larson said the county is still responsible for maintenance of infrastructure. When asked, Mrs. Wallace said the City of Hardeeville and the Town of Yemassee do not have an agreement with the county and but the county has lost thousands of dollars in SWU fees when they annex property within the county.

In this budget the utility will be creating the Regulation Section. Danny Polk will be the Superintendent. A new position (the MS4 Coordinator) will be funded in this section, but will report to Mr. Larson. The MS4 Coordinator will help with the day to day management of the MS4 program. Also, a new position (the Infrastructure Inspection Technician) will be hired in the Stormwater Infrastructure Section.

Mrs. Wallace discussed the proposed budget for capital improvement projects. The budget for the Okatie West/SC 170 Retrofit project will decrease if the county receives the 319 grant. Also, if the general fund portion of the cost-share for the Buckingham Plantation project does not get approval its estimated budget will be diverted to other capital projects.

There are scheduled replacements of some capital assets in the budget. There is also the purchase of two new vehicles for the two new MS4 positions. Mr. Feinberg suggested the county establish a fixed capital fund to help replace major equipment.

The board approved the following motions:

1. Recommend approval of the Stormwater Utility's proposed Fiscal Year 2016 budget presented at the April 29, 2015 SWMU Board Meeting to the County Council's Natural Resources Committee.
2. Recommend the municipalities approve the Stormwater Management's proposed Fiscal Year 2016 budget and the \$3.18 per Single Family Unit rate management fee to fund the budget.
3. Recommend to the four municipalities to participate in the cost-share of the public education and outreach efforts for Fiscal Year 2016, not to exceed \$60,000.
4. Recommend to the City of Beaufort and Town of Port Royal to participate in the Water Quality Monitoring efforts north of the Broad River for Fiscal Year 2016, not to exceed \$93,000.
5. Recommend to the four municipalities to participate in the cost-share of the update to the Stormwater Management Plan in Fiscal Year 2016, the cost to be determined through the procurement process.

7. Public Comment(s) – None.

8. Next Meeting Agenda – April 29, 2015 Agenda approved.

9. Meeting Adjourned.

Financial Planning Tasks

- NPDES MS4 Permit NOI for Beaufort County
- Rate Study
 - Beaufort County & municipalities
 - Incorporate current revenue requirements, future MS4 related expenses, and capital needs
 - Accommodate current and alternate rate structures, as well as other funding methods
- Impervious area source data update
 - Approximately 5,000 targeted non-residential properties across all 5 jurisdictions
- Deliverables
 - Financial planning and rate model that can be used by each jurisdiction to review options
 - Capital spending PAYGO vs. debt
 - Rate modeling
 - Report with rate structure options and final recommendation

Program Planning

- Current budgeted items
- Capital projects
- MS4 related cost projections
- Changes to service delivery
 - Taking over BMPs (HHI)
 - SCDOT roads
- Consideration of shared services
 - Outreach & Education
 - Monitoring
 - Maintenance (IDDE, SWPPP)
 - Site Reviews
 - Shared Inspections & Enforcement

CATEGORY	ACCOUNT DESCRIPTION	FY	FY	FY
		2014-2015	2015-2016	2016-2017
		FY 2015 Budgeted		
ADMINISTRATION	STORMWATER UTILITY FEE	(3,080,341)		
ADMINISTRATION	PROJECT INCOME - PORT ROYAL	(6,511)	(6,511)	(6,511)
ADMINISTRATION	PROJECT INCOME - BEAUFORT	(15,489)	(15,489)	(15,489)
ADMINISTRATION	PROJECT INCOME - HILTON HEAD	(14,674)	(14,674)	(14,674)
ADMINISTRATION	PROJECT INCOME - BLUFFTON	(5,015)	(5,015)	(5,015)
ADMINISTRATION	INTEREST ON INVESTMENTS	\$ (2,771)	(2,771)	(2,771)
ADMINISTRATION	MISCELLANEOUS REVENUES	\$ (1,198)	(1,198)	(1,198)
PERSONNEL ANNUAL MAINTENANCE	SALARIES AND WAGES	1,130,682	1,208,292	1,418,250
PERSONNEL ANNUAL MAINTENANCE	OVERTIME	2,000	2,000	2,000
PERSONNEL ANNUAL MAINTENANCE	PERS'NL COSTS REIMB	0	0	0
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER FICA	67,965	69,324	70,710
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER MEDICARE	15,972	16,291	16,610
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER SC RETIREMENT	122,896	125,354	127,860
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER GROUP INSURANCE	348,755	355,730	362,840
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER WORK COMP INS	136,598	139,330	142,110
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER TORT LIAB INS	13,801	14,077	14,350
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER UNEMPLOYMENT INS	4,814	4,910	5,000
PERSONNEL ANNUAL MAINTENANCE	EMPLOYER UNCLASSIFIED	132,676	132,676	132,676
ADMINIS ANNUAL MAINTENANCE	ADVERTISING	800	800	800
ADMINIS ANNUAL MAINTENANCE	PRINTING	125	125	125
ADMINIS ANNUAL MAINTENANCE	POSTAGE/OTHER CARRIERS	50	50	50
ADMINIS ANNUAL MAINTENANCE	TELEPHONE	6,106	6,374	6,374

Rate Structure and Rates

- A. Current rate structure with updated source data (debt or no debt)
- B. Alternate rate structure (debt or no debt)
 - Similar residential rate equivalents
 - Simplified non-residential rates
 - Gross area cost component
 - Fixed cost per account (for administrative costs)
- C. Current rate structure with updated source data and some tax funding (debt or no debt)
- D. Alternate rate structure and some tax funding (debt or no debt)

Model

Choose nonres rate structure: IA/GA			GA Blocks (max)			
	IA Unit:	4,906 square feet				1 <2 acres
	Flat Charge:	\$ - per parcel				2 2 to <10 acres
	Minimum Charge:	\$ - per parcel				3 10 to <100 acres
						4 100+ acres
			FY 2014-2015	FY 2015-2016	FY 2016-2017	FY 2017-2018
%	County	IA	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
%	County	GA		\$ -	\$ -	\$ -
%	Beaufort	IA	\$ 105.00	\$ 105.00	\$ 105.00	\$ 105.00
%	Beaufort	GA		\$ -	\$ -	\$ -
%	Port Royal	IA	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
%	Port Royal	GA		\$ -	\$ -	\$ -
%	Bluffton	IA	\$ 98.00	\$ 98.00	\$ 98.00	\$ 98.00
%	Bluffton	GA		\$ -	\$ -	\$ -
%	HHI	IA	\$ 108.70	\$ 108.70	\$ 108.70	\$ 108.70
%	HHI	GA		\$ -	\$ -	\$ -

Rate Base

- County-wide update of source impervious area data for fee calculation
 - Approximately 5,000 non-residential properties
 - Based on newest available aerial imagery
- Intense, short-duration effort so updated data is available for billing in coming bill cycle



Next Steps

- Continue with impervious area update and program planning
- Present rate structure alternatives in May
- Recommend rate structure/rates in June
 - Budget adoption anticipates revenue increase
- Complete impervious area update in time to update billing



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May 20, 2015

Stormwater Manager's Report for the Stormwater Utility Board Meeting

Utility Update

1. Larson has reviewed 10 projects for County Staff Review Team.
2. Larson has reviewed 3 projects for stormwater design for the City of Beaufort as part of an informal agreement. Note that a MOU is being drafted to formalize this arrangement.
3. On May 15, Larson met with HHI Airport staff and Town of Hilton Head Island staff to discuss stormwater fee credit potential as a result of the recently completed stormwater master plan for the site.

MS4 Update

1. MS4 Permit Application – There is no update from last month's report.
2. MS4 Program Development – There is no update from last month's report.
3. MS4 Staffing – The County is currently advertising for a new position, MS4 Coordinator. This position will have daily responsibilities to manage the permit program, allowing the Stormwater Manager to focus on Operations, Utility Management, Capital Projects, Monitoring Program, etc.
4. Beaufort County Pond Conference – Planning is ongoing.

Monitoring Update

1. USCB Lab – There is no update from last month's report.
2. Shell Point area – Staff has implemented a new monitoring plan for BECY 18 and 19 to source track Fecal Coliform being found at Station 15-25 in Battery Creek.

Stormwater Implementation Committee (SWIC) Report

1. The SWIC met on May 13th. Topics of discussion included the rate study, Management Plan update, and current education efforts. [Minutes from the May meeting](#) are attached to this report for your information.

Stormwater Related Projects

1. US 278 Retrofit Ponds (\$356,000 budget) – Construction is underway. The Stormwater Infrastructure crews continue to construct the site entrances for two of the four sites. Our contractor has completed clearing on the Pickney Colony Park site and started clearing of the spoil site. An interesting twist has come up with the Buckwalter Spoil Site. A non-

profit group from New England area is interested in some of the Live Oak timber for restoration of the Mayflower II. Staff is working with our contractor and this group to see if the wood can be reclaimed prior to clearing and disposal. More information will be provided at a later date.

2. Turtle Lane Paving on Lady's Island (stormwater add-on) (\$8,940 budget) – No update to report. Design plan still pending.
3. Okatie West / SC 170 widening retrofit land purchase (land acquisition = \$160,415 budget, design and construction = \$915,000 budget) – Closing of the property still pending. Staff has submitted the CWA Section 319 grant application for construction of the Okatie West stormwater pond. The updated Okatie Watershed Management Plan has been posted to the website.
4. Middleton Place subdivision on Hilton Head Island – Work on the easement by the ToHHI is ongoing. The County's portion of maintenance work has not begun.
5. Staff is working with Mike Zara, a landowner in the Sheldon area, and OCRM to resolve a ditch instability problem. No action since last month.
6. Staff is working with representatives of the Shell Point neighborhood association and SCDOT to deal with drainage issues. These issues came to our attention due to the recent activity by the Town of Port Royal to annex a portion of the neighborhood. No reportable action since last month.

Professional Contracts Report

1. Utility Rate Study – Work on the study is ongoing. The Town of Bluffton has signed the MOA and is now incorporated into the rate study. During today's meeting, ATM will update the Board on the progress of the rate study. The proposed six alternative rate structures will be presented and discussed. Following this presentation, the ATM team will be working on completion of the impervious area re-measurements and inputting budget needs into the 6 models. We anticipate a final draft ready for the July meeting. The schedule for presentation and approval will be discussed and the Board will be asked to consider a special meeting date. Final action on the rate study, budget adjustments (if needed), and an updated SWU ordinance will occur through July and August, just in time for the annual "tax run".
2. Stormwater Management Plan (Master Plan) Update – An RFQ will be advertised this week. The selection committee will include the SWIC members participating in the cost share for the project. The Selection process will continue into August with a recommendation for approval coming to the Board during the August meeting.

Regional Coordination

1. Battery Creek Pond Funded by an EPA 319 Grant (\$132,609 budget – county portion) – On going. DHEC and USACE permits are pending. (Lamar Taylor may also report)
2. May River Watershed Action Plan – The Pine Grove volume reduction project using CWA Section 319 grant dollars is on-going. The Stoney Creek Watershed Plan is on-going. The Town also applied for another EPA 319 grant as Phase III of their May River efforts. (Jeremy Ritchie may also report).
3. Salinity Study (\$25,000 budget – county portion) - On going. No further update is available.

4. Sea Level Rise and Future Planning – The SLR report is in final draft form. Planning staff will be presenting the report to Administration for consideration soon.
5. Buckingham Plantation Drive Innovation District conceptual design study (\$25,000 budget – SWU portion) – Project is on hold pending funding to match the SWU portion.
6. Old Woodland Plantation stormsewer system repairs – (\$65,997) County’s work is complete. The Town of Hilton Head Island is doing some additional work in the area.
7. On May 19th, Larson attended the quarterly Together for Beaufort Water Quality Committee meeting.

DRAFT minutes

May 13, 2015, 1:30pm at the BJWSA Community Room, 6 Snake Road, Okatie, SC

Attendees:	Eric Larson, Bryan McIlwhee, Jeremy Ritchie, Lamar Taylor, Van Willis, Shelby Berry, Denise Parsick, Patty Wilson
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1. Approval of April 8th, 2015 meeting minutes - not discussed.
2. Public Education
 - a. Report by BCSWCD - [See attached report](#).
 - i. Drain Marker project with BSA - The BSA student is presenting to the City Council for CoB on May 26th. Project in downtown CoB scheduled for May 30th.
 - ii. Pond Conference - We are still looking at USCB campus for event. Eric needs to see if County can convince USCB to waive fees. (also see report.) Patty and Shelby to make a site visit to check logistics. They will also work on details for transportation for the field trip.
 - iii. Flyers and Brochures - SWIC agreed that advertising needed to be with the NCW logo only; no need for five separate logos.
 - iv. Kiosks - ToB still working with the Bluffton Library to coordinate delivery of the ToB unit. All other kiosk locations have been set up for re-location.
 - v. Rain Garden workshop(s) - See report.
 - b. NCW website update - Not discussed.
 - c. Pet Waste Brochure redo - See report.
 - d. MOA for FY 2016 - Larson distributed a draft of the agreement. Patty Wilson to add reference to the Carolina Clear credit from FY 14 to reflect the lower costs for FY 16. She will distribute WORD files for printing and signing.
 - e. Weston Newton's Water Quality Art and Essay contest - Mr. Newton desires to have a student contest for art and essays to be displayed at the October Arts and Seafood Festival in Bluffton. Entries will be judged and prizes awarded. SWIC agreed to participate in this project using the BCSWCD contract. Larson said he would put Shelby Berry and Denise Parsick in touch with Monica Spells to get the project started.
3. Budget for FY 2016
 - a. SWUB actions
 - i. Cost share recommendations - Not discussed.
 - ii. SWM admin. Fee recommendations - Not discussed.
 1. Revisit SWU Mgt. Admin fee response (for ToPR only) - Not discussed.
 - b. Cost Share invoicing SOP - The group discussed the frequency of billing from the County for the various cost shares. There is concern that they are too infrequent and that they may not follow fiscal years. Larson agreed to do, at a minimum, quarterly billing and that the end of the year bill would be done ASAP after the end of the contract. In addition, support documentation from the vendor would be included to support the invoice amount.
4. Rate Study progress report
 - a. Alternatives presented - Larson explained the draft ATM report on the six alternates. Questions were raised about the County O&M cost applied to municipal areas and how that was determined. Larson explained that County staff mapped with GIS the location of all known County maintained pipes and ditches and segregated them by ROW location and

Municipal Boundary, created a percentage of the whole, and applied those percentages to the actual O&M budget for next year to determine the component of the rate. The group asked to see the map and asked if the County would consider "devolving" the infrastructure to the Towns/City to avoid the "surcharge". Larson stated the County would be willing to have those discussions.

Larson was asked if the County will provide O&M services in the municipal jurisdictions if they get this new revenue source. Larson stated that is the intent; the County O&M component to the rate is the solution to provide extra funding needed to meet the current EOS and LOS plan adopted by County Council.

Larson also explained a rate component called "re-allocation of funds from one jurisdiction to another" and how this component of the rate structure could be used to partner between two or more of the jurisdictions similar to the current cost share relationships done now. Everyone seemed open to this concept.

- b. Final report schedule - Larson discussed the revised schedule based on production delays and the approval process needed. The next step is to present the 6 options to the SWUB next week. The rate study will be presented to the SEUB on July 15th. (subject to Board approval of the schedule change).
 - c. Ordinance revisions by jurisdiction - Larson noted each jurisdiction will have to amend their ordinance if they adopt a new fee schedule. It was reported that the county deadline for requesting a rate change according to the IGA is August 15. They will need to do this by the end of August to affect the CY 2015 tax run.
5. Management Plan Update scope of services, Budget, Schedule
 - a. Non-Disclosure agreements - confidential matters discussed in closed meeting.
 - b. Scope of Services / RFQ - SWIC reviewed and approved the scope. A few minor changes were requested for the RFQ.
 - c. Cost Share /budget numbers - SWIC confirmed that all bodies have budgeted for the project for FY 16 at the recommended level presented by the County.
 - d. Schedule for RFQ - SWIC revised the draft schedule to reflect personal leave times and the approval processes needed by each jurisdictional body. SWIC members agreed to go forward with advertising May 15th. (Larson noted that the schedule changes would allow delaying the advertisement to May 22nd).
 - e. MOA(s) - Larson provided each body with a draft MOA that will be completed once the consultant is selected and the contract is ready to be signed.
 6. MOA for Monitoring North Beaufort County (for ToPR and CoB only) - Larson provided a draft version to CoB. Larson will email ToPR.
 7. MS4 status update (if needed) - Not discussed.
 8. Town of Bluffton / BJWSA May River Watershed Sewer Study (Jeremy) - Not discussed. Larson suggested a meeting with ToB to discuss this if needed.
 9. Other business - None.
 10. Next Meeting - June 10, 2015 was canceled. The SWIC will meet July 15th in the AM prior to a joint SWIC/SWUB meeting on July 15th to review the final draft of the Rate Study. Other SWIC meetings in June, July, and August will be scheduled to review the RFQ responses to the Management Plan update.
 11. Adjourned at 3:30pm.

Stormwater Education Report - Beaufort Conservation District

May 12, 2015

1. Storm Drain Marker Project

- Markers received 4/10, inventoried
- Received old metal markers – available for possible gated communities to use
- Assembled 4 drain marking kits (gloves, safety vests, tools, etc.)
- May 2, Troop 1712 had drain marker workshop in prep for May 30th COB event

2. Pond Conference

- Met with Blaik Keppler, ACE Basin NERR, & Eric to discuss avoiding overlap in content with Charleston Conference Spring 2016
- At present time USCB still seems to be best location especially if fee can be waved

3. Rain Barrel Decorating Contest & Port Royal & Bluffton Earth Day Presentations:

- Presented booth with focus on NPS pollution with Enviroscape at both events
- Gave out pet waste dog bones & demonstrated use
- Displayed rain barrels with visitors voting for their favorite barrels Certificates were given to each class participating and ribbons given for favorite Elem, Middle, & High
- Port Royal went smoothly, but Bluffton had rain and event shut down around noon, but we had to wait on rain barrel participants to come back for their barrels to prevent theft.

4. Festivals

- Researched prices on banner ((\$150 – 200) & name tags with NCW logo (\$12.00 each)
- Would suggest magnetic NCW logo tag as most of us have our own name tags with our respective municipalities and agencies and let presenters use their choice of light or royal blue polo shirt.

5. Rain Gardens

- Stormwater staff would like to have a workshop for professionals to learn how to install & maintain Rain Gardens
- BSWCD Staff will be attending a workshop later in May on this topic in the Charleston area

6. Flyer updates:

- Need approval for general logo arrangement on flyers. Example the Pet Waste Flyer. Would like to use this on all flyers with approval from SWIC.
- Would like to update Floor wax wastewater residue disposal flyer and have printed.

7. Outreach/ Promotion:

- At the Together for Beaufort Human Services Alliance meeting, Ms. Parsick explained the Neighbors for Clean Water county wide stormwater initiative and asked group to go to the website to learn more. She also reported on the Storm Drain Marker project and this opportunity for volunteer groups to help mark storm drains throughout the county.

Bluffton/ Hilton Head Island Earth Day April 24th, 2015
Blue Ribbon Barrels



Bluffton High
Munroe's
Painting 2-
10-12th grades
(Both Sides)



McCracken Middle
Morris's 8th grade Art



M. C. Riley Elem K-1
Wipper's Inquiry Room

Port Royal Earth Day April 18, 2015
Blue Ribbon Barrels



Lady's Island Elem—Diorio's 4th/5th
Gifted & talented Class



Battery Creek High
Stowe's 9-12 Art

Storm Drain Marker Workshop May 2, 2015
Boy Scout Troop 1712





COUNTY COUNCIL OF BEAUFORT COUNTY
FINANCE DEPARTMENT
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Beaufort, South Carolina 29901-1228

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May 13, 2015

April 2015 Stormwater Financials Narrative and Analysis

Since April is the 10th month of the fiscal year, one might expect expenses to be at 83% of budget based on consistent and recurring expenses and Stormwater is currently below this budget level at 71%.

The main source of revenues is from Stormwater Utility fees in property tax bills and this is about \$62,000 higher than in April 2014. It appears that more tax payments are being paid on time before the March 17th deadline as compared to this time last year.

With the recent addition of the Capital Improvement Fund, some Stormwater Utility Funds have been transferred for larger retrofit projects that might take several years to fund and to finish. Therefore, the Stormwater cash balance is now comprised of two cash balances. The Stormwater cash balance has decreased by about \$233,000 compared to last year, along with a decrease in fund balance by about \$211,000. The new Capital Improvement Fund was just getting started in Spring 2014.

Respectively submitted,

Alan R. Eisenman, CPA

102 Industrial Village Road, Building 2, Beaufort, SC 29906

"Professionally we serve; Personally we care!"

UNAUDITED AND PRELIMINARY
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF NET ASSETS
Stormwater Utility and Capital Improvement Funds
April 30, 2015 & April 30, 2014

	Stormwater Utility Fund April 30, 2015	Capital Improvements Fund April 30, 2015	Stormwater Utility Fund April 30, 2014	Capital Improvements Fund April 30, 2014
ASSETS				
Current Assets				
Cash and Investments with Trustee	\$ 2,539,456	\$ 452,857	\$ 2,416,355	\$ 809,813
Receivables, Net	53,870	-	118,383	-
Inventories	113,850	-	92,511	-
Prepayments	22,259	-	20,673	-
Total Current Assets	<u>2,729,435</u>	<u>452,857</u>	<u>2,647,922</u>	<u>809,813</u>
Capital Assets	3,140,834	-	2,855,317	-
Accumulated Depreciation	<u>(2,200,940)</u>	<u>-</u>	<u>(2,042,544)</u>	<u>-</u>
	939,894	-	812,773	-
Total Assets	<u>\$ 3,669,329</u>	<u>\$ 452,857</u>	<u>\$ 3,460,695</u>	<u>\$ 809,813</u>
LIABILITIES				
Liabilities				
Account Payable	157,548	-	239,757	-
Accrued Payroll	74,456	-	83,612	-
Accrued Compensated Absences	7,823	-	6,247	-
Total Current Liabilities	<u>239,827</u>	<u>-</u>	<u>329,616</u>	<u>-</u>
Long Term Liabilities				
Accrued Compensated Absences	65,978	-	55,379	-
Net Other Postemployment Benefits Obligation	<u>973,622</u>	<u>-</u>	<u>831,027</u>	<u>-</u>
Total Long Term Liabilities	<u>1,039,600</u>	<u>-</u>	<u>886,406</u>	<u>-</u>
Total Liabilities	<u>1,279,427</u>	<u>-</u>	<u>1,216,022</u>	<u>-</u>
NET ASSETS				
Invested in Capital Assets, Net of Related Debt	939,894	-	812,773	-
Reserved for Encumbrances	294,565	194,558	144,637	-
Reserved for Capital Improvements	-	258,299	-	809,813
Unrestricted	<u>1,155,443</u>	<u>-</u>	<u>1,287,263</u>	<u>-</u>
Total Net Assets	<u>\$ 2,389,902</u>	<u>\$ 452,857</u>	<u>\$ 2,244,673</u>	<u>\$ 809,813</u>

Unaudited and Preliminary
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
Stormwater Utility Fund
For the Period Ended April 30, 2015

	Budget FY 2015	April 30, 2015	Budget to Actual	Percent of Budget
Operating Revenues				
Stormwater Utility Fees	\$ 3,132,205	\$ 2,990,384	(141,821)	95%
Stormwater Utility Project Billings	44,189	53,561	9,372	121%
Total Operating Revenues	<u>3,176,394</u>	<u>3,043,945</u>	<u>(132,449)</u>	<u>96%</u>
Operating Expenses				
Personnel	2,261,074	1,742,306	(518,768)	77%
Purchased Services	684,864	403,240	(281,624)	59%
Supplies	362,409	197,257	(165,152)	54%
Depreciation	182,523	152,110	(30,413)	83%
Total Operating Expenses	<u>3,490,870</u>	<u>2,494,913</u>	<u>(995,957)</u>	<u>71%</u>
Operating Income (Loss)	(314,476)	549,032	863,508	-175%
Non-Operating Revenues (Expenses)				
Interest Earned	2,955	-	(2,955)	0%
Total Non-Operating Revenues (Expenses)	<u>2,955</u>	<u>-</u>	<u>(2,955)</u>	<u>0%</u>
Transfers Out To Capital Improvement Fund	-	12,365	12,365	100%
Change in Net Assets	(311,521)	536,667	848,188	-172%
Net Assets, Beginning	<u>1,853,235</u>	<u>1,853,235</u>		
Net Assets, Ending	<u>\$ 1,541,714</u>	<u>\$ 2,389,902</u>	848,188	155%

Unaudited and Preliminary
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
Stormwater Capital Improvements Fund
For the Period Ended April 30, 2015

	Budget FY 2015	April 30, 2015	Budget to Actual	Percent of Budget
Transfers In from Stormwater Utility Fund				
Administration Complex Parking Lot Retrofit	\$ -	\$ -	-	0%
Okatie East Retrofit	-	-	-	0%
Highway 278 Retrofit	-	-	-	0%
Okatie West Retrofit	-	-	-	0%
Buckingham Plantation Retrofit	-	12,365	12,365	100%
Upper Battery Creek Retrofit	-	-	-	0%
Total Transfers In	<u>-</u>	<u>12,365</u>	<u>12,365</u>	<u>0%</u>
Capital Improvement Expenses				
Administration Complex Parking Lot Retrofit	-	302,250	302,250	100%
Okatie East Retrofit	-	5,337	5,337	100%
Highway 278 Retrofit	-	23,082	23,082	100%
Okatie West Retrofit	-	20,000	20,000	100%
Buckingham Plantation Retrofit	-	9,865	9,865	100%
Upper Battery Creek Retrofit	-	7,367	7,367	100%
Total Operating Expenses	<u>-</u>	<u>367,901</u>	<u>367,901</u>	<u>100%</u>
Change in Net Assets by Project				
Administration Complex Parking Lot Retrofit		(302,250)	(302,250)	
Okatie East Retrofit		(5,337)	(5,337)	
Highway 278 Retrofit		(23,082)	(23,082)	
Okatie West Retrofit		(20,000)	(20,000)	
Buckingham Plantation Retrofit		2,500	2,500	
Upper Battery Creek Retrofit		(7,367)	(7,367)	
Total Change in Net Assets by Project		<u>(355,536)</u>	<u>(355,536)</u>	
Net Assets, Beginning				
Administration Complex Parking Lot Retrofit		327,169		
Okatie East Retrofit		40,892		
Highway 278 Retrofit		207,722		
Okatie West Retrofit		100,000		
Buckingham Plantation Retrofit		-		
Upper Battery Creek Retrofit		132,610		
Total Net Assets, Beginning		<u>808,393</u>		
Net Assets, Ending				
Administration Complex Parking Lot Retrofit		24,919		
Okatie East Retrofit		35,555		
Highway 278 Retrofit		184,640		
Okatie West Retrofit		80,000		
Buckingham Plantation Retrofit		2,500		
Upper Battery Creek Retrofit		125,243		
Total Net Assets, Ending	<u>\$ -</u>	<u>\$ 452,857</u>		

Unaudited and Preliminary
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
Stormwater Utility Fund
For the Period Ended April 30, 2014

	Budget FY 2014	April 30, 2014	Budget to Actual	Percent of Budget
Operating Revenues				
Stormwater Utility Fees	\$ 3,475,000	\$ 2,928,436	(546,564)	84%
Stormwater Utility Project Billings	60,023	110,272	50,249	184%
Total Operating Revenues	<u>3,535,023</u>	<u>3,038,708</u>	<u>(496,315)</u>	<u>86%</u>
Operating Expenses				
Personnel	2,160,475	1,580,048	(580,427)	73%
Purchased Services	961,864	479,205	(482,659)	50%
Supplies	381,446	273,919	(107,527)	72%
Depreciation	242,119	208,192	(33,927)	86%
Total Operating Expenses	<u>3,745,904</u>	<u>2,541,364</u>	<u>(1,204,540)</u>	<u>68%</u>
Operating Income (Loss)	(210,881)	497,344	708,225	-236%
Non-Operating Revenues (Expenses)				
Gain (Loss) on Sale of Capital Assets	-	(35,627)	(35,627)	-100%
Interest Earned	6,922	-	(6,922)	0%
Total Non-Operating Revenues (Expenses)	<u>6,922</u>	<u>(35,627)</u>	<u>(42,549)</u>	<u>0%</u>
Transfers Out To Capital Improvement Fund	-	859,705	859,705	0%
Change in Net Assets	(203,959)	(397,988)	(194,029)	195%
Net Assets, Beginning	<u>2,642,661</u>	<u>2,642,661</u>		
Net Assets, Ending	<u>\$ 2,438,702</u>	<u>\$ 2,244,673</u>	(194,029)	92%

Unaudited and Preliminary
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
Stormwater Capital Improvements Fund
For the Period Ended April 30, 2014

	Budget FY 2014	April 30, 2014	Budget to Actual	Percent of Budget
Transfers In from Stormwater Utility Fund				
Administration Complex Parking Lot Retrofit	\$ -	\$ 329,650	329,650	100%
Okatie East Retrofit	-	60,237	60,237	100%
Highway 278 Retrofit	-	222,600	222,600	100%
Okatie West Retrofit	-	100,000	100,000	100%
Buckingham Plantation Retrofit	-	-	-	0%
Upper Battery Creek Retrofit	-	147,218	147,218	100%
Total Transfers In	<u>-</u>	<u>859,705</u>	<u>859,705</u>	<u>0%</u>
Capital Improvement Expenses				
Administration Complex Parking Lot Retrofit	-	2,481	2,481	100%
Okatie East Retrofit	-	17,925	17,925	100%
Highway 278 Retrofit	-	14,878	14,878	100%
Okatie West Retrofit	-	-	-	0%
Buckingham Plantation Retrofit	-	-	-	0%
Upper Battery Creek Retrofit	-	14,608	14,608	100%
Total Operating Expenses	<u>-</u>	<u>49,892</u>	<u>49,892</u>	<u>100%</u>
Change in Net Assets by Project				
Administration Complex Parking Lot Retrofit		327,169	327,169	
Okatie East Retrofit		42,312	42,312	
Highway 278 Retrofit		207,722	207,722	
Okatie West Retrofit		100,000	100,000	
Buckingham Plantation Retrofit		-	-	
Upper Battery Creek Retrofit		132,610	132,610	
Total Change in Net Assets by Project		<u>809,813</u>	<u>809,813</u>	
Net Assets, Beginning				
Administration Complex Parking Lot Retrofit		-		
Okatie East Retrofit		-		
Highway 278 Retrofit		-		
Okatie West Retrofit		-		
Buckingham Plantation Retrofit		-		
Upper Battery Creek Retrofit		-		
Total Net Assets, Beginning		<u>-</u>		
Net Assets, Ending				
Administration Complex Parking Lot Retrofit		327,169		
Okatie East Retrofit		42,312		
Highway 278 Retrofit		207,722		
Okatie West Retrofit		100,000		
Buckingham Plantation Retrofit		-		
Upper Battery Creek Retrofit		132,610		
Total Net Assets, Ending	<u>\$ -</u>	<u>\$ 809,813</u>		



MEMORANDUM

Date: May 20, 2015

To: Stormwater Management Utility Board

From: Eddie Bellamy, Public Works Director

Re: **Maintenance Project Report for May 2015**

1. This report will cover three major and 11 minor or routine projects. The Project Summary Reports are attached.
2. Major Projects:
 - A. **Bluffton Middle School Phase II** (Reimbursement), completed in April in the Town of Bluffton, District 7; we improved 680 feet of drainage system. The job involved grubbing and clearing 50 feet of channel, bush hogging 510 feet of channel, cleaning out 560 feet by machine and another 120 feet by hand, removing four check dams, and installing rip-rap and seeding for erosion control. Total cost of the project was **\$16,445**.
 - B. **Irongate Subdivision**, completed in April in the Burton area of District 6; we cleaned out 4,655 feet of roadside ditch and 500 feet of channel, replaced one driveway pipe, jetted four crossline pipes, 15 driveway pipes, and 380 feet of channel pipe. Hydroseeded for erosion control. Total cost of the project was **\$43,254**.
 - C. **Powell Drive**, completed in April in the Burton area of District 6; we cleaned out 2,431 feet of roadside ditch and 310 feet of channel, jetted 11 driveway pipes, and hydroseeded for erosion control. Total Cost of the project was **\$17,757**.
3. Minor or Routine Projects:
 - A. **Prescott Road**, completed in March in the Sheldon area of District 5; we constructed a weir for runoff.
 - B. **County Administrative Building Campus - Pond**, completed in March in the City of Beaufort, District 1; we hydroseeded the perimeter of the pond.
 - C. **Beaufort Industrial Village, Building 1**, completed in March in the City of Beaufort, District 1; we cleaned out a catch basin that was contaminated by illegal dumping.
 - D. **River Oaks Road**, completed in March in the Lobeco area of District 5, we cleaned out 530 feet of roadside ditch and jetted two driveway pipes.
 - E. **Wimbee Landing Road Channel #1**, completed in March in the Dale area of District 5; we cleaned out 1,281 feet of channel and jetted two driveway pipes.

- F. **Joe Frazier Road, Channel #1**, completed in March in District 6; we removed blockage from the flowline by hand.
- G. **County Shed Road Channel #1**, completed in March in District 6; we cleaned out 190 feet of roadside ditch, 1,420 feet of channel and hydroseeded for erosion control.
- H. **Stroman Lane**, completed in March in District 6; we cleaned out 406 feet of roadside ditch and jetted two driveway pipes.
- I. **Witsell Road**, completed in April in District 5; we replaced one crossline pipe.
- J. **Sheriff's Camp Channel #1**, completed in April in District 7; we cleaned out 158 feet of channel by hand.
- K. **Lightsey Road**, completed in April in District 5; we cleaned out 130 feet of roadside ditch and replaced one crossline pipe.



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Bluffton Middle School Phase II (Reimbursement)

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 680 L.F. of drainage system. Bush hogged 510 L.F. of channel. Grubbed and cleared 50 L.F. of channel. Cleaned out 560 L.F. of channel and 120 L.F. by hand. Removed (4) check dams. Installed rip rap and hydroseeded for erosion control.

Completion: Apr-15

2015-016A / Bluffton Middle School Ph II	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$20.46	\$0.00	\$0.00	\$0.00	\$13.23	\$33.69
CBH / Channel- bushhogged	29.0	\$596.67	\$440.52	\$83.86	\$0.00	\$418.18	\$1,539.23
CCO / Channel - cleaned out	70.0	\$1,610.80	\$433.68	\$253.70	\$0.00	\$1,086.60	\$3,384.78
CGRB / Channel - grubbed	4.0	\$154.36	\$65.52	\$24.32	\$0.00	\$87.16	\$331.36
DLO / Ditch Layout	18.0	\$397.92	\$21.24	\$12.90	\$0.00	\$264.96	\$697.02
HAUL / Hauling	63.5	\$1,333.56	\$581.98	\$1,361.53	\$0.00	\$868.24	\$4,145.30
HYDR / Hydroseeding	30.0	\$660.66	\$60.28	\$143.37	\$0.00	\$439.50	\$1,303.80
ONJV / Onsite Job Visit	43.0	\$1,343.88	\$137.24	\$80.10	\$0.00	\$965.95	\$2,527.17
PL / Project Layout	13.0	\$575.51	\$52.26	\$17.80	\$0.00	\$441.48	\$1,087.05
PRRECON / Project Reconnaissance	3.0	\$115.77	\$12.36	\$5.34	\$0.00	\$65.37	\$198.84
SG / Shoot Grade	12.0	\$245.52	\$21.24	\$15.05	\$0.00	\$158.76	\$440.57
TC / Traffic Control - Jobsite	9.0	\$202.47	\$188.34	\$60.13	\$0.00	\$136.05	\$586.99
WEED / Weedeating	4.0	\$89.36	\$7.08	\$12.46	\$0.00	\$59.82	\$168.72
2015-016A / Bluffton Middle School Ph II Sub Total	299.5	\$7,346.93	\$2,021.74	\$2,070.56	\$0.00	\$5,005.30	\$16,444.52
Grand Total	299.5	\$7,346.93	\$2,021.74	\$2,070.56	\$0.00	\$5,005.30	\$16,444.52

Before



During



After



Project: Bluffton Middle School Phase II (Reimbursement)

Activity: Routine/Preventive Maintenance









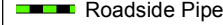





Project #: 2015-016A

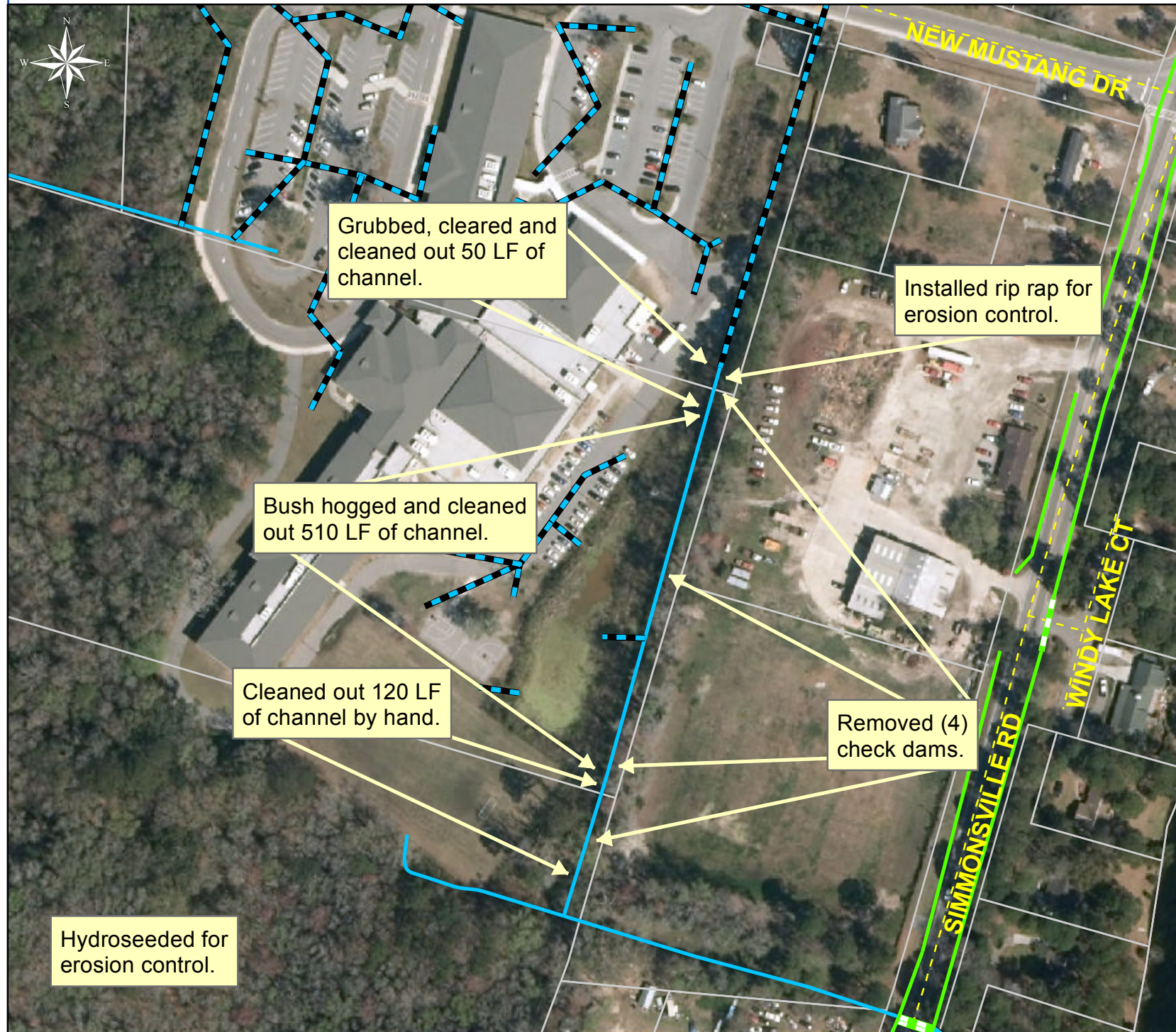
Township: Town of Bluffton

Completed: April 2015

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 158 feet



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Irongate Subdivision

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 5,535 L.F. of drainage system. Cleaned out 4,655 L.F. of roadside ditch and 500 L.F. of channel by hand. Replaced (1) driveway pipe. Jetted (4) crossline pipes, (15) driveway pipes and 380 L.F. of channel pipe. Hydroseeded for erosion control.

Completion: Apr-15

2015-528 / Irongate Subdivision	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	1.0	\$22.79	\$0.00	\$0.00	\$0.00	\$13.23	\$36.02
CCO / Channel - cleaned out	105.0	\$2,184.36	\$177.31	\$30.27	\$0.00	\$1,469.88	\$3,861.82
CPJ / Channel Pipe - Jetted	10.0	\$223.40	\$104.60	\$34.30	\$0.00	\$149.55	\$511.85
DPJT / Driveway Pipe - Jetted	42.0	\$938.28	\$439.32	\$70.85	\$0.00	\$628.11	\$2,076.56
DPRPL / Driveway Pipe - Replaced	50.0	\$1,022.80	\$151.81	\$206.24	\$0.00	\$693.90	\$2,074.75
ESTP / Estimating Project	2.0	\$88.54	\$7.24	\$3.56	\$0.00	\$67.92	\$167.26
HAUL / Hauling	115.0	\$2,463.95	\$1,062.48	\$1,654.59	\$0.00	\$1,658.30	\$6,839.32
HYDR / Hydroseeding	6.0	\$119.22	\$23.06	\$116.40	\$0.00	\$76.32	\$335.00
ONJV / Onsite Job Visit	95.0	\$3,099.54	\$371.84	\$162.49	\$0.00	\$2,206.99	\$5,840.86
PL / Project Layout	43.0	\$962.81	\$43.84	\$14.24	\$0.00	\$663.48	\$1,684.37
PP / Project Preparation	42.0	\$884.56	\$159.85	\$30.74	\$0.00	\$610.54	\$1,685.69
PRRECON / Project Reconnaissance	8.0	\$252.08	\$14.16	\$3.56	\$0.00	\$170.80	\$440.60
RB / Remove blockage from flowline	66.0	\$1,408.33	\$138.88	\$23.74	\$0.00	\$939.73	\$2,510.68
RSDCL / Roadside Ditch - Cleanout	372.5	\$7,677.99	\$1,270.33	\$234.61	\$0.00	\$5,277.59	\$14,460.53
SG / Shoot Grade	20.0	\$409.10	\$18.10	\$4.27	\$0.00	\$280.80	\$712.27
UTLOC / Utility locates	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
2015-528 / Irongate Subdivision Sub Total	978.0	\$21,767.98	\$3,982.82	\$2,589.86	\$0.00	\$14,913.76	\$43,254.42
Grand Total	978.0	\$21,767.98	\$3,982.82	\$2,589.86	\$0.00	\$14,913.76	\$43,254.42

Before



During



After



**Project: Iron Gate
Subdivision Map 1**

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2015-528**

**Township: Port
Royal Island**

**Completed:
April 2015**



Legend

TYPE

- River
- Creek/Stream
- River/Creek/Marsh BANK
- Channel (fka Outfall)
- Channel Pipe
- Lateral
- Lateral Pipe
- Roadside
- Roadside Pipe
- Road Pipe
- Crossline Pipe
- Driveway Pipe
- Access Pipe
- Bleeder Pipe

Cleaned out 736 LF
of roadside ditch.

Cleaned out 796 LF
of roadside ditch.

Cleaned out 1,015 LF
of roadside ditch.

Cleaned out 373 LF
of roadside ditch.

Replaced (1)
driveway pipe.

Cleaned out 193 LF
of roadside ditch.

Cleaned out 194 LF
of roadside ditch.



1 inch = 233 feet

**Project: Iron Gate
Subdivision Map 2**

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2015-528**

**Township: Port
Royal Island**

**Completed:
April 2015**

Legend

TYPE

- River
- Creek/Stream
- River/Creek/Marsh BANK
- Channel (fka Outfall)
- Channel Pipe
- Lateral
- Lateral Pipe
- Roadside
- Roadside Pipe
- Road Pipe
- Crossline Pipe
- Driveway Pipe
- Access Pipe
- Bleeder Pipe



Cleaned out 500 LF of channel by hand.

Cleaned out 1,280 LF of roadside ditch.

Cleaned out 68 LF of roadside ditch.

Hydroseeded for erosion control.



1 inch = 151 feet

**Project: Iron Gate
Subdivision Map 3**

**Activity: Vacuum
Truck**

**Project #:
2015-528**















**Township: Port
Royal Island**

**Completed:
April 2015**



Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 233 feet

Prepared By: BC Stormwater Management Utility

Date Print: 5/5/15

File: C:\sethdata\projects\projectmaps\Vac\Iron Gate 2015-528 Map3

**Project: Iron Gate
Subdivision Map 4**

**Activity: Vacuum
Truck**















**Project #:
2015-528**

**Township: Port
Royal Island**

**Completed:
April 2015**

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 122 feet

Prepared By: BC Stormwater Management Utility

Date Print: 5/5/15

File: C:\sethdata\projects\projectmaps\Vac\Iron Gate 2015-528 Map4



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Powell Drive

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 2,741 L.F. of drainage system. Cleaned out 310 L.F. of channel and 2,431 L.F. of roadside ditch. Jetted (11) driveway pipes. Hydroseeded for erosion control.

Completion: Apr-15

2015-585 / Powell Drive	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.40	\$0.00	\$0.00	\$0.00	\$6.62	\$18.01
CCO / Channel - cleaned out	80.0	\$1,730.51	\$253.26	\$76.02	\$0.00	\$1,143.60	\$3,203.39
DPJT / Driveway Pipe - Jetted	22.0	\$491.48	\$230.12	\$24.57	\$0.00	\$329.01	\$1,075.18
HAUL / Hauling	83.0	\$1,797.90	\$660.60	\$680.23	\$0.00	\$1,199.12	\$4,337.85
HYDR / Hydroseeding	30.0	\$659.51	\$185.57	\$270.84	\$0.00	\$438.30	\$1,554.22
IUL / Infrastructure Utility Locating	3.0	\$57.84	\$0.00	\$0.00	\$0.00	\$36.63	\$94.47
ONJV / Onsite Job Visit	30.0	\$997.65	\$106.02	\$48.06	\$0.00	\$701.90	\$1,853.63
PP / Project Preparation	8.0	\$178.28	\$7.24	\$4.30	\$0.00	\$113.16	\$302.98
RSDCL / Roadside Ditch - Cleanout	116.0	\$2,395.24	\$612.55	\$88.07	\$0.00	\$1,641.54	\$4,737.40
STAGING / Staging Materials	16.0	\$332.00	\$14.16	\$5.34	\$0.00	\$228.72	\$580.22
2015-585 / Powell Drive Sub Total	388.5	\$8,651.81	\$2,069.52	\$1,197.42	\$0.00	\$5,838.60	\$17,757.34
Grand Total	388.5	\$8,651.81	\$2,069.52	\$1,197.42	\$0.00	\$5,838.60	\$17,757.34

Before



During



After



Project: Powell Drive Map 1

Activity: Routine/ Preventive Maintenance















Project #: 2015-585

Township: Port Royal Island

Completed: April 2015

Legend

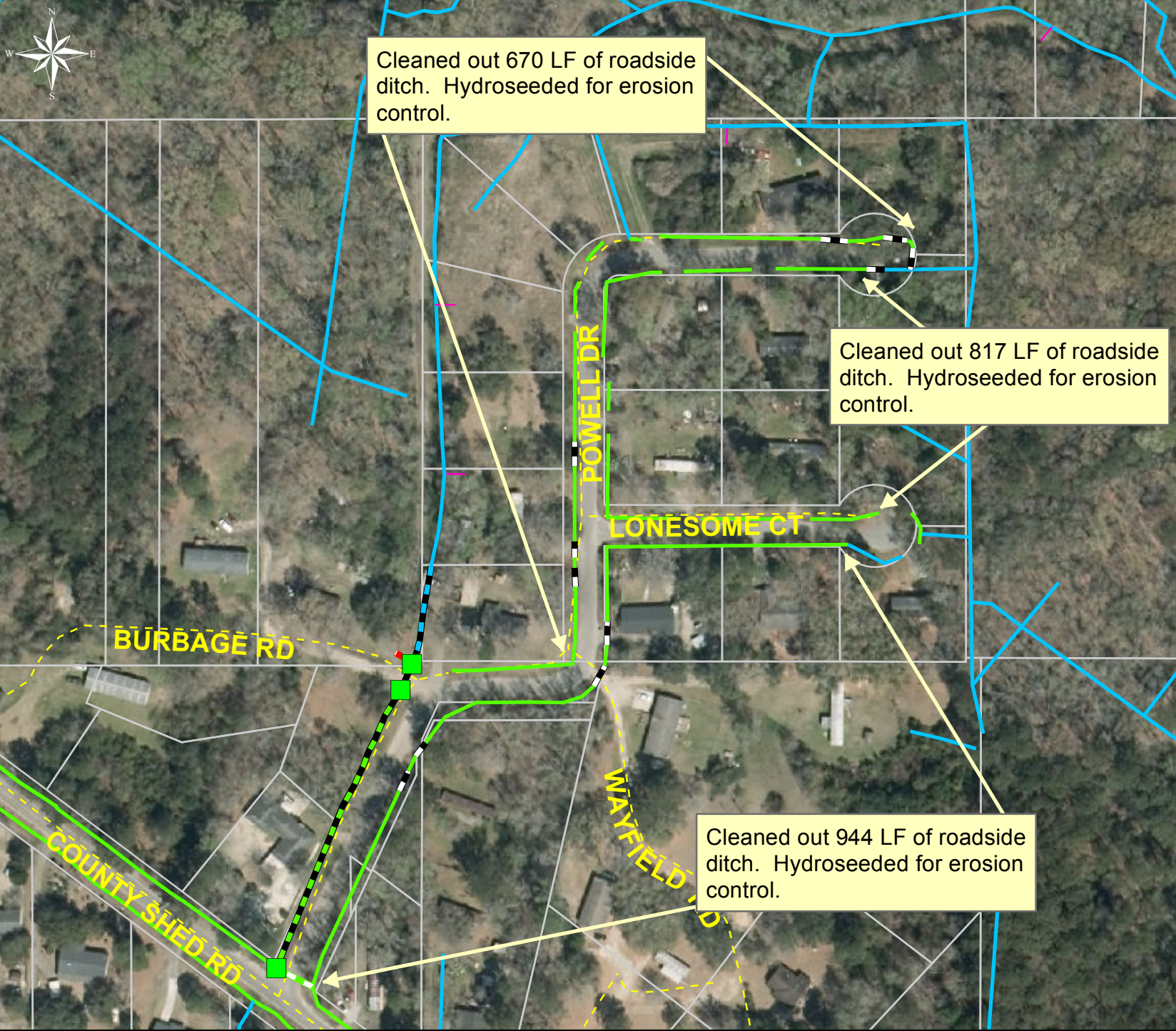
TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe

Cleaned out 670 LF of roadside ditch. Hydroseeded for erosion control.

Cleaned out 817 LF of roadside ditch. Hydroseeded for erosion control.

Cleaned out 944 LF of roadside ditch. Hydroseeded for erosion control.



1 inch = 167 feet



Project: Powell Drive Map 2

Activity: Routine/ Preventive Maintenance

Project #: 2015-585

Township: Port Royal Island

Completed: April 2015

Cleaned out 100 LF of channel.

Cleaned out 110 LF of channel.

Cleaned out 100 LF of channel.



Legend	
TYPE	
	River
	Creek/Stream
	River/Creek/Marsh BANK
	Channel (fka Outfall)
	Channel Pipe
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline Pipe
	Driveway Pipe
	Access Pipe
	Bleeder Pipe



1 inch = 167 feet



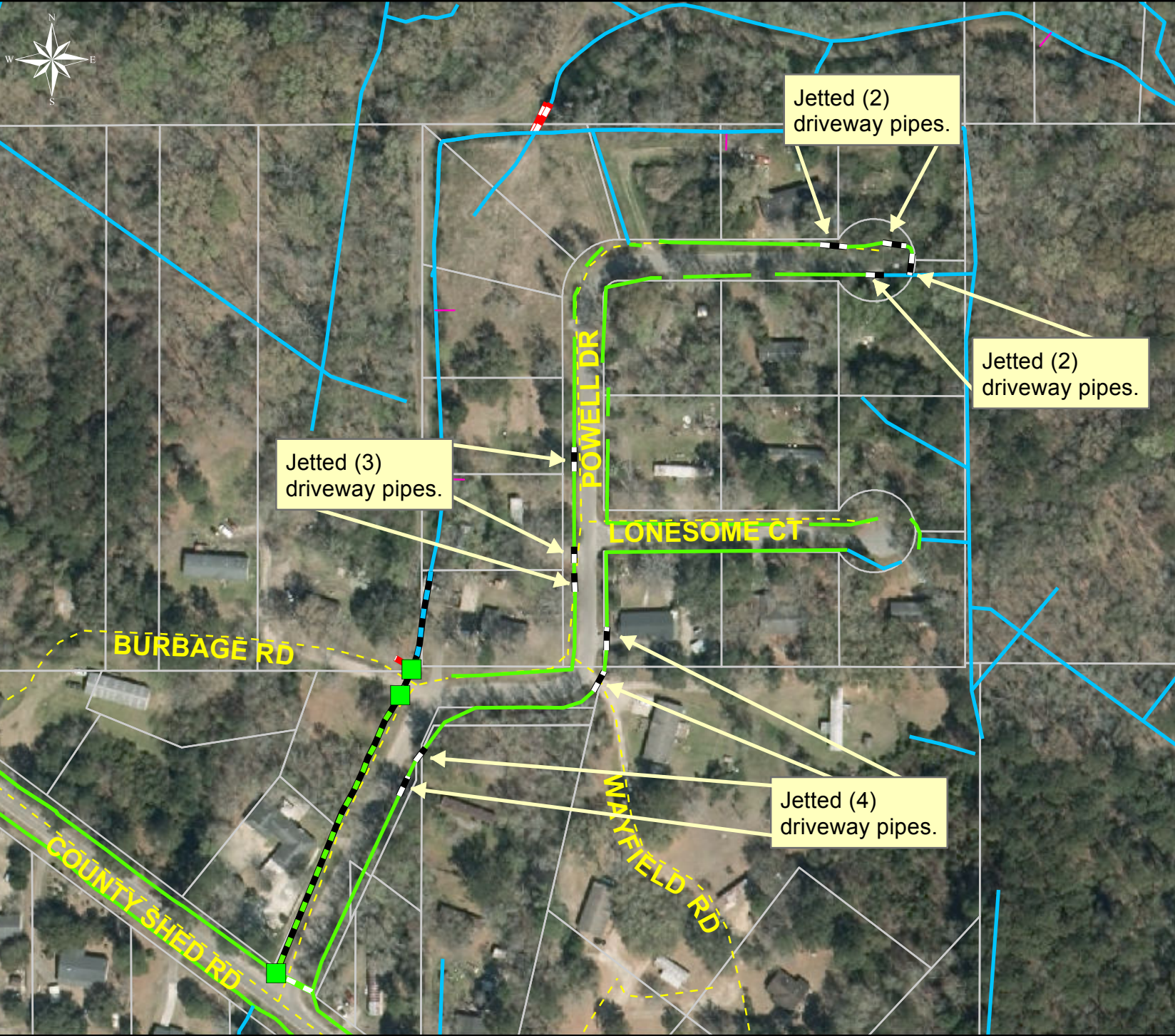
Project: Powell Drive Map 3

Activity: Vacuum Truck

Project #: 2015-585

Township: Port Royal Island

Completed: April 2015



Legend	
TYPE	
	River
	Creek/Stream
	River/Creek/Marsh BANK
	Channel (fka Outfall)
	Channel Pipe
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline Pipe
	Driveway Pipe
	Access Pipe
	Bleeder Pipe



1 inch = 167 feet



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Prescott Road

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Constructed weir for runoff.

Completion: Mar-15

2013-627 / Prescott Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.40	\$0.00	\$0.00	\$0.00	\$6.62	\$18.01
CBIL / Catch Basin - Inlet Lowered	16.0	\$357.52	\$14.16	\$13.18	\$0.00	\$227.16	\$612.02
ONJV / Onsite Job Visit	6.0	\$160.32	\$22.20	\$8.54	\$0.00	\$109.38	\$300.44
PRRECON / Project Reconnaissance	2.0	\$59.68	\$7.08	\$1.78	\$0.00	\$36.46	\$105.00
STBY / Stand By	3.0	\$64.89	\$23.97	\$10.75	\$0.00	\$43.26	\$142.87
2013-627 / Prescott Road Sub Total	27.5	\$653.81	\$67.41	\$34.25	\$0.00	\$422.88	\$1,178.34
Grand Total	27.5	\$653.81	\$67.41	\$34.25	\$0.00	\$422.88	\$1,178.34

Before



During



After



Project: Prescott Road

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2013-627**

**Township:
Sheldon**

**Completed:
March 2015**

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe

Constructed weir for runoff.



1 inch = 183 feet



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Beaufort County Administration Building - Pond

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Hydroseeded perimeter of pond.

Completion: Mar-15

2015-322 / Beaufort Co. Admin. Bldg - Pond	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
HYDR / Hydroseeding	40.0	\$830.00	\$85.16	\$389.64	\$0.00	\$571.80	\$1,876.60
ONJV / Onsite Job Visit	6.0	\$199.08	\$21.72	\$7.12	\$0.00	\$146.82	\$374.74
2015-322 / Beaufort Co. Admin. Bldg - Pond	46.5	\$1,039.31	\$106.88	\$396.76	\$0.00	\$725.24	\$2,268.19
Sub Total							
Grand Total	46.5	\$1,039.31	\$106.88	\$396.76	\$0.00	\$725.24	\$2,268.19

Before



During



After





Project: Beaufort County Admin-Pond

Activity: Pond Maintenance

Project #: 2015-322

Township: City Of Beaufort

Completed: March 2015

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: 03/11/2015

File: C:\project summaries map\Beaufort County Admin Bldg-Pond Maintenance_2015-322



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Beaufort Industrial Village Bldg #1

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Cleaned out (1) storm drain due to illicit drainage.

Completion: Mar-15

2015-323 / Beaufort Industrial Village Bldg #1

	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.40	\$0.00	\$0.00	\$0.00	\$6.62	\$18.01
CBCO / Catch basin - clean out	15.0	\$331.60	\$17.70	\$8.60	\$0.00	\$220.80	\$578.70
2015-323 / Beaufort Industrial Village Bldg #1 Sub Total	15.5	\$343.00	\$17.70	\$8.60	\$0.00	\$227.41	\$596.71
Grand Total	15.5	\$343.00	\$17.70	\$8.60	\$0.00	\$227.41	\$596.71

Before



During



After



Project: Beaufort Industrial Village Building #1

Activity: Routine/ Preventive Maintenance

Project #: 2015-323

Township: Port Royal Island

Completed: March 2015

Legend

TYPE

- River
- Creek/Stream
- River/Creek/Marsh BANK
- Channel (fka Outfall)
- Channel Pipe
- Lateral
- Lateral Pipe
- Roadside
- Roadside Pipe
- Road Pipe
- Crossline Pipe
- Driveway Pipe
- Access Pipe
- Bleeder Pipe



Cleaned out (1) storm drain due to illicit drainage.



1 inch = 67 feet



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: River Oaks Road

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 530 L.F. of drainage system. Cleaned out 530 L.F. of roadside ditch. Jetted (2) driveway pipes.

Completion: Mar-15

2015-592 / River Oaks Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.40	\$0.00	\$0.00	\$0.00	\$6.62	\$18.01
DPJT / Driveway Pipe - Jetted	4.0	\$92.64	\$62.76	\$9.45	\$0.00	\$62.85	\$227.70
HAUL / Hauling	10.0	\$192.80	\$79.90	\$43.00	\$0.00	\$144.20	\$459.90
ONJV / Onsite Job Visit	6.0	\$179.04	\$21.24	\$5.34	\$0.00	\$109.38	\$315.00
RSDCL / Roadside Ditch - Cleanout	45.0	\$994.86	\$101.92	\$26.50	\$0.00	\$633.00	\$1,756.28
2015-592 / River Oaks Road Sub Total	65.5	\$1,470.74	\$265.82	\$84.29	\$0.00	\$956.05	\$2,776.89
Grand Total	65.5	\$1,470.74	\$265.82	\$84.29	\$0.00	\$956.05	\$2,776.89

Before



During



After



Project: River Oaks Road Map 1

Activity: Routine/ Preventive Maintenance

Project #: 2015-592

Township: Sheldon

Completed: March 2015



Legend

TYPE

- River
- Creek/Stream
- River/Creek/Marsh BANK
- Channel (fka Outfall)
- Channel Pipe
- Lateral
- Lateral Pipe
- Roadside
- Roadside Pipe
- Road Pipe
- Crossline Pipe
- Driveway Pipe
- Access Pipe
- Bleeder Pipe



1 inch = 115 feet



Project: River Oaks Road Map 2

Activity: Vacuum Truck

Project #: 2015-592

Township: Sheldon

Completed: March 2015



Jetted (2) driveway pipes.

Legend	
TYPE	
	River
	Creek/Stream
	River/Creek/Marsh BANK
	Channel (fka Outfall)
	Channel Pipe
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline Pipe
	Driveway Pipe
	Access Pipe
	Bleeder Pipe



1 inch = 120 feet



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Wimbee Landing Road Channel #1

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 1,281 L.F. of drainage system. Cleaned out 1,281 L.F. of channel. Jetted (2) driveway pipes.

Completion: Mar-15

2015-587 / Wimbee Landing Rd Ch #1	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.40	\$0.00	\$0.00	\$0.00	\$6.62	\$18.01
DPJT / Driveway Pipe - Jetted	6.0	\$134.03	\$62.76	\$13.90	\$0.00	\$89.73	\$300.41
HAUL / Hauling	15.0	\$324.45	\$133.40	\$49.45	\$0.00	\$216.30	\$723.60
ONJV / Onsite Job Visit	24.0	\$736.20	\$85.76	\$26.70	\$0.00	\$474.96	\$1,323.62
PRRECON / Project Reconnaissance	4.0	\$126.04	\$7.08	\$1.78	\$0.00	\$85.40	\$220.30
RB / Remove blockage from flowline	12.0	\$249.00	\$10.62	\$14.24	\$0.00	\$168.48	\$442.34
RSDCL / Roadside Ditch - Cleanout	61.0	\$1,258.40	\$183.32	\$46.31	\$0.00	\$861.57	\$2,349.59
2015-587 / Wimbee Landing Rd Ch #1 Sub Total	122.5	\$2,839.51	\$482.94	\$152.37	\$0.00	\$1,903.05	\$5,377.88
Grand Total	122.5	\$2,839.51	\$482.94	\$152.37	\$0.00	\$1,903.05	\$5,377.88

Before



During



After



**Project: Wimbee
Landing Road
Channel #1 Map 1**

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2015-587**

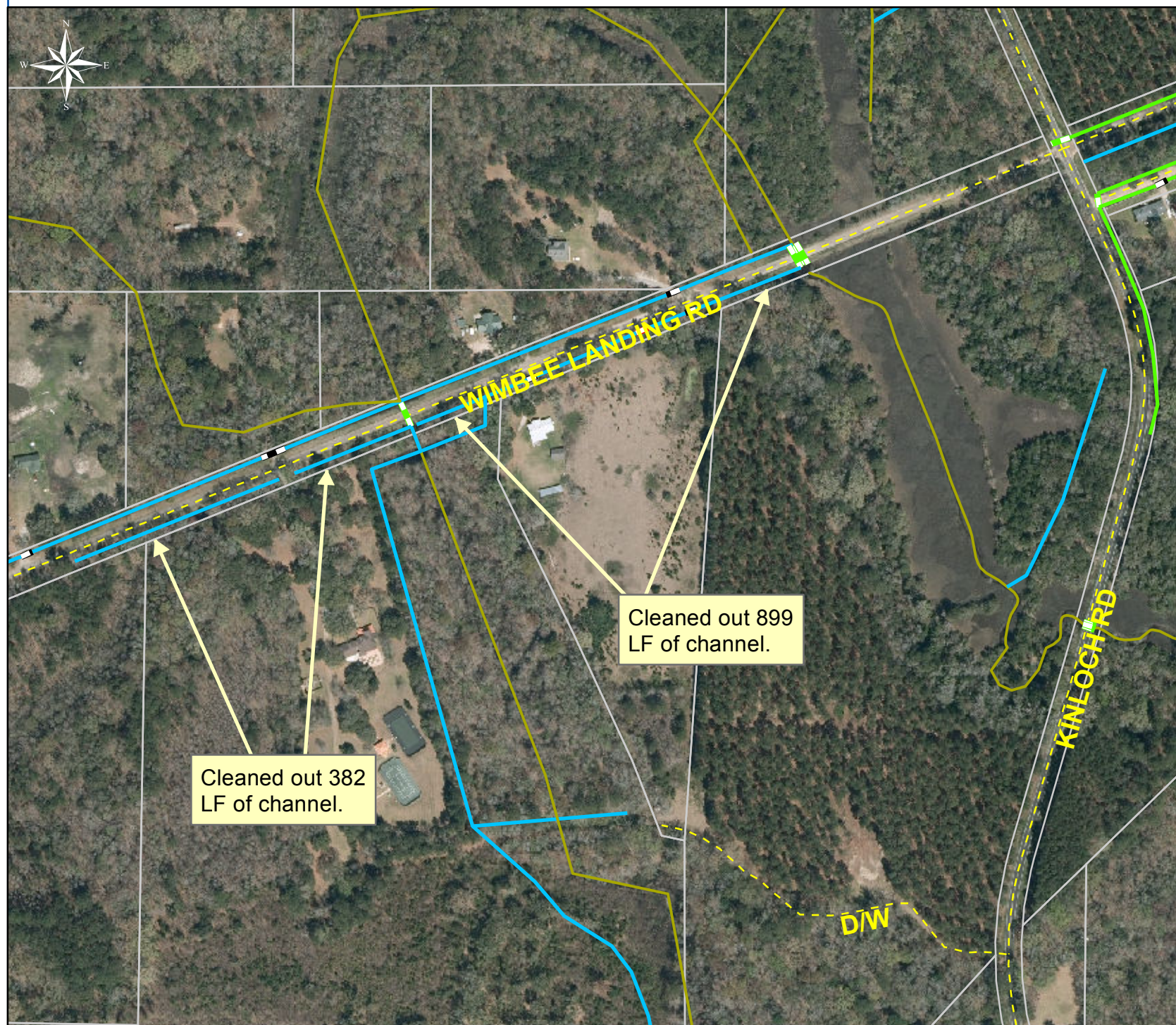
**Township:
Sheldon**

**Completed:
March 2015**

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 344 feet

Prepared By: BC Stormwater Management Utility
Date Print: 5/4/15

File: C:/sethdata/projects/projectmaps/Wimbee Landing Rd 2015-587 Map1

**Project: Wimbee
Landing Road
Channel #1 Map 2**

**Activity: Vacuum
Truck**















**Project #:
2015-587**

**Township:
Sheldon**

**Completed:
March 2015**

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe

WIMBEE LANDING RD

Jetted (2)
driveway pipes.



1 inch = 145 feet



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Joe Fraizer Road Channel #1

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Removed blockage from flowline by hand.

Completion: Mar-15

2015-595 / Joe Fraizer Road Channel #1	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.40	\$0.00	\$0.00	\$0.00	\$6.62	\$18.01
RB / Remove blockage from flowline	6.0	\$132.64	\$7.08	\$4.30	\$0.00	\$88.32	\$232.34
2015-595 / Joe Fraizer Road Channel #1 Sub Total	6.5	\$144.04	\$7.08	\$4.30	\$0.00	\$94.94	\$250.35
Grand Total	6.5	\$144.04	\$7.08	\$4.30	\$0.00	\$94.94	\$250.35

(Pictures Not Available)

Project: Joe Frazier Road

Activity: Routine/
Preventive
Maintenance















Project #:
2015-595

Township: Port
Royal Island

Completed:
March 2015

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe

Removed blockage from
flowline by hand.

DENNIS LN

JOE FRAZIER RD



1 inch = 167 feet

Prepared By: BC Stormwater Management Utility

Date Print: 5/4/15

File: C:/sethdata/projects/projectmaps/Joe Fraizer Rd 2015-595



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: County Shed Road Channel #1

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 1,610 L.F. of drainage system. Cleaned out 190 L.F. of roadside ditch and 1,420 L.F. of channel.

Completion: Mar-15

2015-604 / County Shed Road Ch #1	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
CCO / Channel - cleaned out	37.0	\$807.46	\$194.44	\$25.86	\$0.00	\$535.17	\$1,562.93
HAUL / Hauling	20.0	\$432.60	\$159.80	\$43.00	\$0.00	\$288.40	\$923.80
ONJV / Onsite Job Visit	6.0	\$194.86	\$14.48	\$7.12	\$0.00	\$142.80	\$359.26
2015-604 / County Shed Road Ch #1	63.5	\$1,445.15	\$368.72	\$75.98	\$0.00	\$972.99	\$2,862.83
Sub Total							
Grand Total	63.5	\$1,445.15	\$368.72	\$75.98	\$0.00	\$972.99	\$2,862.83

Before



During



After



**Project: County
Shed Road
Channel #1**

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2015-604**

**Township: Port
Royal Island**

**Completed:
March 2015**

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 208 feet



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Stroman Lane

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 406 L.F. of drainage system. Cleaned out 406 L.F. of roadside ditch. Jetted (2) driveway pipes. Hydroseeded for erosion control.

Completion: Mar-15

2015-605 / Stroman Lane	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
DPJT / Driveway Pipe - Jetted	4.0	\$89.36	\$41.84	\$9.45	\$0.00	\$59.82	\$200.47
HAUL / Hauling	10.0	\$192.80	\$79.90	\$21.50	\$0.00	\$144.20	\$438.40
ONJV / Onsite Job Visit	1.0	\$44.27	\$0.00	\$1.78	\$0.00	\$33.96	\$80.01
RSDCL / Roadside Ditch - Cleanout	40.0	\$893.80	\$114.36	\$63.87	\$0.00	\$567.90	\$1,639.93
2015-605 / Stroman Lane Sub Total	55.5	\$1,230.46	\$236.10	\$96.60	\$0.00	\$812.50	\$2,375.66
Grand Total	55.5	\$1,230.46	\$236.10	\$96.60	\$0.00	\$812.50	\$2,375.66

Before



During



After



Project: Stroman Lane Map 1

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2015-605**

**Township: Port
Royal Island**

**Completed:
March 2015**

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe

Cleaned out 221 LF of roadside ditch. Hydroseeded for erosion control.

Cleaned out 185 LF of roadside ditch. Hydroseeded for erosion control.



1 inch = 83 feet

Project: Stroman Lane Map 2

Activity: Vacuum Truck

Project #: 2015-605















Township: Port Royal Island

Completed: March 2015



Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 83 feet

Prepared By: BC Stormwater Management Utility

Date Print: 5/4/15

File: C:/sethdata/projects/projectmaps/Vac/Stroman Ln 2015-605 Map2



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Witsell Road

Activity: Routine/Preventive Maintenance

Narrative Description of Project:
 Replaced (1) crossline pipe.

Completion: Apr-15

2015-583 / Witsell Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$11.40	\$0.00	\$0.00	\$0.00	\$6.62	\$18.01
CPRPL / Crossline Pipe - Replaced	60.0	\$1,286.20	\$217.55	\$348.25	\$0.00	\$848.30	\$2,700.30
HAUL / Hauling	10.0	\$216.30	\$79.90	\$652.25	\$0.00	\$144.20	\$1,092.65
ONJV / Onsite Job Visit	2.0	\$66.36	\$7.08	\$9.08	\$0.00	\$48.94	\$131.46
UTLOC / Utility locates	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
2015-583 / Witsell Road Sub Total	73.0	\$1,590.49	\$304.53	\$1,009.57	\$0.00	\$1,054.67	\$3,959.26
Grand Total	73.0	\$1,590.49	\$304.53	\$1,009.57	\$0.00	\$1,054.67	\$3,959.26

During



After



Project: Witsell Road

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2015-583**







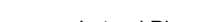


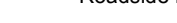
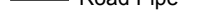



**Township:
Sheldon**

**Completed:
April 2015**

Replaced (1)
crossline pipe.

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 105 feet



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Sheriff's Camp Channel #1

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Apr-15

Project improved 158 L.F. of drainage system. Cleaned out 158 L.F. of channel by hand.

2015-589 / Sheriffs Camp Channel #1	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
CCO / Channel - cleaned out	14.0	\$311.05	\$24.78	\$8.90	\$0.00	\$207.90	\$552.63
HAUL / Hauling	5.0	\$119.90	\$17.70	\$8.90	\$0.00	\$82.35	\$228.85
ONJV / Onsite Job Visit	1.0	\$33.18	\$3.62	\$5.34	\$0.00	\$24.47	\$66.61
2015-589 / Sheriffs Camp Channel #1 Sub Total	20.5	\$474.36	\$46.10	\$23.14	\$0.00	\$321.34	\$864.94
Grand Total	20.5	\$474.36	\$46.10	\$23.14	\$0.00	\$321.34	\$864.94

(Pictures Not Available)



CHOWAN CREEK BLF

Cleaned out 158 LF of channel by hand.

Project: Sheriff's Camp Channel #1

Activity: Routine/ Preventive Maintenance











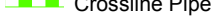

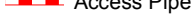

Project #: 2015-589

Township: Lady's Island

Completed: April 2015

Legend

TYPE

-  River
-  Creek/Stream
-  River/Creek/Marsh BANK
-  Channel (fka Outfall)
-  Channel Pipe
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline Pipe
-  Driveway Pipe
-  Access Pipe
-  Bleeder Pipe



1 inch = 101 feet



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Lightsey Road

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Project improved 130 L.F. of drainage system. Cleaned out 130 L.F. of roadside ditch. Replaced (1) crossline pipe.

Completion: Apr-15

2015-598 / Lightsey Road	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AUDIT / Audit Project	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
CPRPL / Crossline Pipe - Replaced	50.0	\$1,107.60	\$192.44	\$268.67	\$0.00	\$738.60	\$2,307.31
HAUL / Hauling	14.0	\$302.82	\$67.36	\$92.16	\$0.00	\$201.88	\$664.22
ONJV / Onsite Job Visit	11.0	\$354.96	\$39.58	\$21.36	\$0.00	\$250.45	\$666.35
PRRECON / Project Reconnaissance	4.0	\$89.36	\$26.62	\$4.30	\$0.00	\$59.82	\$180.10
RSDCL / Roadside Ditch - Cleanout	24.0	\$490.96	\$89.14	\$37.76	\$0.00	\$330.48	\$948.34
2015-598 / Lightsey Road	103.5	\$2,355.93	\$415.14	\$424.25	\$0.00	\$1,587.85	\$4,783.16
Sub Total							
Grand Total	103.5	\$2,355.93	\$415.14	\$424.25	\$0.00	\$1,587.85	\$4,783.16

Before



During



After





Project: Lightsey Road

Activity: Routine/
Preventive
Maintenance














Project #:
2015-598

Township:
Sheldon

Completed:
April 2015

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: 03/11/2015
File: C:\project summaries map\Lightsey Road_2015-598



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD
AGENDA

July 15, 2015 or July 22, 2015
2:00 p.m.

Beaufort Industrial Village, Building 3 Conference Room
104 Industrial Village Road, Beaufort
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 – May 20, 2015 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
 - A. Utility Update – Eric Larson, P.E. ([backup](#))
 - B. MS4 Update - Eric Larson, P.E. ([backup](#))
 - C. Monitoring Update – Eric Larson, P.E. ([backup](#))
 - D. Stormwater Implementation Committee Report – Eric Larson, P.E. ([backup](#))
 - E. Stormwater Related Projects – Eric Larson, P.E. ([backup](#))
 - F. Upcoming Professional Contracts Report – Eric Larson, P.E. ([backup](#))
 - G. Regional Coordination – Eric Larson, P.E. ([backup](#))
 - H. Financial Report ([backup](#))
 - I. Maintenance Projects Report – Eddie Bellamy ([backup](#))
5. UNFINISHED BUSINESS – ([backup](#))
6. NEW BUSINESS
 - A. Rate Study Final Report – ATM and Eric Larson, P.E. ([backup](#))
 - B. Stormwater Management Utility Budget – ATM and Eric Larson, P.E. ([backup](#))
 - C. Revised Ordinance Presentations - ATM and Eric Larson, P.E. ([backup](#))
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
 - A. August 26, 2015 ([backup](#))
9. ADJOURNMENT

