



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD

Wednesday, December 4, 2013

2:00 p.m.

Beaufort Industrial Village, Building 2 Conference Room
102 Industrial Village Road, Beaufort
843.255.2801

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 – November 6, 2013 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
 - A. Monitoring Update – Danny Polk
 - B. Utility Update – Robert McFee, P.E.
 - C. Upcoming Professional Contracts Report – Robert McFee, P.E.
 - D. Financial Report ([backup](#))
 - E. University of South Carolina, Beaufort WQ Lab – Dr. Alan Warren
 - F. Utility's 2014 Goals – Carolyn Wallace/Eric Larson P.E. ([backup](#))
 - G. Maintenance Project Report – Eddie Bellamy ([backup](#))
5. UNFINISHED BUSINESS
 - A. Regional Coordination – Robert McFee, P.E.
6. NEW BUSINESS
 - A. Election of Chairman and Vice-Chairman – SWMU Board Members
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
 - A. January 8, 2013 ([backup](#))
9. ADJOURNMENT



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

November 6, 2013 at 2:00 p.m. in Beaufort Industrial Village Building #2 Conference Room
Draft November 22, 2013

Board Members

Present	Absent
Don Smith	
William Bruggeman	
Patrick Mitchell	
Allyn Schneider	
James Fargher	

Ex-Officio Members

Present	Absent
Andy Kinghorn	Van Willis
Scott Liggett	
Kimberly Jones	

Beaufort County Staff

Gary Kubic
Bryan Hill
Robert McFee
Eddie Bellamy
Carolyn Wallace
Alan Eisenman

Visitors

Paul Moore, Ward Edwards
Reed Armstrong, Coastal Conservation League
Denise Parsick, Together For Beaufort WQ Coalition
William Baugher, Town of Bluffton
Beth Lewis, Town of Bluffton
Bob Gross, Beaufort County Resident
Jimmy McIntire, Beaufort County Resident

1. Meeting called to order – Don Smith

- A. Agenda – approved.
- B. October 2, 2013 Minutes – approved.

2. Introductions – Completed.

3. Public Comment(s) – Ms. Kimberly Jones introduced two new staff members to the Town of Bluffton’s Stormwater Division. Ms. Beth Lewis came from the county, was formerly with Wadell Mariculture Center where she ran their Water Quality (WQ) Testing Laboratory and her background is Marine Biology. Mr. William Baugher came from NC and he brings experience in GIS and Phase I MS4 reporting.

4. Reports –

A. General Update – Mr. Gary Kubic, the County Administrator announced that the county has selected a candidate to add to the Engineering Department. This would then allow the department to have three engineers and the new engineer would be assigned to Stormwater. The candidate has not yet accepted. Relocation from Kentucky would be involved and they are working with the candidate. The candidate is a PE and he is a certified planner through American Institute of Certified Planners (AICP) and is certified in Floodplain Management (CFM). He has already instituted a couple of MS4 compliance permits in the state of Kentucky and has a vast association with the University of Kentucky.

The leadership of this candidate is commensurate with Mr. Kubic’s vision for the SWU and his focus is on two aspects of stormwater; the physical and the science. For the physical component the

county has identified several projects. He would like the vetting, design, and construction of these projects to be accelerated. He would like to contract with local contractors to add jobs to the county. For the science aspect, he would like the county to collaborate with the University of South Carolina, Beaufort (USCB) on water quality (WQ) efforts. The county and USCB have expanded the WQ lab and he sees the county's investment in to this program as part of the economic development piece but also as a piece for future curriculum development for students so they may become the "CSI" of WQ. He feels everything in the county is WQ based, and everything is pertinent and connected with the environment. This would be the type of software design and science that he would like the county and USCB to promote.

Therefore the county will reissue the Request For Proposal (RFP) for stormwater services to hopefully hire a firm (that would be managed by the PE) that can accelerate the construction of those identified projects and can pursue the type of WQ initiatives that he envisions. He has invited Chancellor Upshaw from USCB to have the university participate on the SW advisory board. This would provide reports from the county's PE, the consultant team, and also the university along with Dr. Alan Warren could advise the board on the WQ lab. He is also interested in the WQ lab capturing the revenue flow of private testing that is being sent out of state, from such entities as the Federal Government through their military bases. The lab could offer the Federal Government the opportunity for testing right here at home at the University.

One of the county's greatest assets is the environment. We should use the assets we have for economic development.

- E. Financial Reports** – Mr. Alan Eisenman – Mr. Eisenman presented the unaudited September interim financial statements for the Stormwater Utility. Following are the highlights from his presentation:
- Actual FY14 revenues are 30% less (\$16K) than Actual FY13 revenues, but it is still very early in this revenue cycle.
 - Actual September FY14 expenses are at 15% of budget for FY14.
 - Unrestricted Fund Balance from Balance Sheet Increased by \$112,000 or 12% since last FY at this time.
 - a. Cash from Balance Sheet Increased by \$350,000 or 19% since last FY at this time.
- B. Monitoring Update** – No report provided (staff presenter not in attendance).
- C. Utility Updates** – Mr. Robert McFee – *MS4 General Permit* – The county received an e-mail from SCDHEC. The county will be designated as a MS4 and probably receive our letter by mid next year. He said the county is in good shape in preparedness for the designation.
- D. Upcoming Professional Contracts Report** – Mr. Robert McFee – *Administration Parking Lot* – The RFP for the retrofit project of the courthouse parking lot is being revised to include pervious pavers only and one long bay of pervious pavers closest to Battery Creek. This simplifies the materials and increase productivity for the contractors, and it makes traffic control easier for those who have to access the complex for business purposes.
- E. Together For Beaufort Water Quality Coalition** – Ms. Denise Parsick – Together For Beaufort was formed almost seven years ago and they established several goals and 16 objectives. One of the objectives is to accomplish 10 milestones to Improve Water Quality in Beaufort County. Ms. Parsick provided a copy and discussed their progress report of this initiative. She also expressed the coalition's desire to participate in the county's public education and outreach efforts.
- F. Maintenance Projects Report** – Mr. Eddie Bellamy – Mr. Bellamy reported on (2) major projects: Ihly Farm Road and Cherry Point Road North. He also presented (14) minor and/or routine maintenance projects in a shortened format.

5. Unfinished Business – Robert McFee

A. Regional Coordination

Battery Creek – Retrofit project is in the preliminary engineering stage.

Stoney Creek – The Town of Bluffton’s staff is continuing to make progress with the property owner. They have been on site and are developing the scope of service to put out bid for surveying.

Highway 278 Ponds – The ponds are fully permitted. He is working with Mr. Bellamy to determine if the county should bid the entire package or are there any ponds that should be constructed by Public Works.

319 Grant for the Okatie – The grant was obtained by the Lowcountry Council of Government (LCOG). They have completed 40 septic tank retrofits in Phase I and now they are in the process of Phase II which will focus more on the properties near the headwaters.

Vacant Board Members’ Seat – Mr. Allyn Schneider asked for an update on filling the vacant seats. Mr. McFee said Council has been advised that we are looking for replacements but he does not know if any candidates were identified at the Natural Resources Committee. He would have Mrs. Wallace check on this and let the members know.

6. New Business

January 2014 Regularly Scheduled Board Meeting – Mr. Don Smith – The Board adopted the proposed 2014 schedule with the provision that the January Board meeting be on January 8th or 9th depending on the availability of the conference room and broadcasting.

7. Public Comment – Mr. Bob Gross – Suggest that once the county receive the permit from SCDHEC that they review it closely to ensure they are not making the county do something that is not our issue.

8. Next Meeting Agenda – Mr. Kubic mentioned that representatives from USCB may attend the December Board meeting. If so, they will be placed on the agenda.

9. Meeting Adjourned.

UNAUDITED AND PRELIMINARY
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF NET ASSETS
Stormwater Utility
October 31, 2013 & October 31, 2012

	October 31, 2013	October 31, 2012
<u>ASSETS</u>		
Current Assets		
Cash and Investments with Trustee	\$ 1,975,573	\$ 1,751,879
Receivables, Net	-	5,590.00
Inventories	92,511	102,941
Total Current Assets	2,068,084	1,860,410
Capital Assets		
Accumulated Depreciation	2,904,079	2,798,912
	(2,093,748)	(1,889,114)
	810,331	909,798
Total Assets	\$ 2,878,415	\$ 2,770,208
<u>LIABILITIES</u>		
Liabilities		
Account Payable	83,429	26,971
Accrued Payroll	77,839	43,020
Accrued Compensated Absences	6,247	4,470
Total Current Liabilities	167,515	74,461
Long Term Liabilities		
Accrued Compensated Absences	55,379	64,937
Net Other Postemployment Benefits Obligation	777,849	637,369
Total Long Term Liabilities	833,228	702,306
Total Liabilities	1,000,743	776,767
<u>NET ASSETS</u>		
Invested in Capital Assets, Net of Related Debt	810,331	909,798
Reserved for Encumbrances	230,574	315,699
Unrestricted	836,767	767,944
Total Net Assets	\$ 1,877,672	\$ 1,993,441

Unaudited and Preliminary
 BEAUFORT COUNTY, SOUTH CAROLINA
 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
 Stormwater Utility
 For the Period Ended October 31, 2013

	Budget FY 2014	October 31, 2013	Budget to Actual	Percent of Budget
Operating Revenues				
Stormwater Utility Fees	\$ 3,475,000	\$ 211,396	(3,263,604)	6%
Stormwater Utility Project Billings	60,023	1,197	(58,826)	2%
Total Operating Revenues	<u>3,535,023</u>	<u>212,593</u>	<u>(3,322,430)</u>	<u>6%</u>
Operating Expenses				
Personnel	2,160,475	612,392	(1,548,083)	28%
Purchased Services	961,864	176,256	(785,608)	18%
Supplies	381,446	110,995	(270,451)	29%
Depreciation	242,119	80,708	(161,411)	33%
Total Operating Expenses	<u>4,201,895</u>	<u>980,351</u>	<u>(3,221,544)</u>	<u>23%</u>
Operating Income (Loss)	(666,872)	(767,758)	(100,886)	115%
Non-Operating Revenues (Expenses)				
Interest Earned	6,922	-	(6,922)	0%
Total Non-Operating Revenues (Expenses)	<u>6,922</u>	<u>-</u>	<u>(6,922)</u>	<u>0%</u>
Change in Net Assets	(659,950)	(767,758)	(107,808)	116%
Net Assets, Beginning	<u>2,645,430</u>	<u>2,645,430</u>		
Net Assets, Ending	<u>\$ 1,985,480</u>	<u>\$ 1,877,672</u>	(107,808)	95%

Unaudited and Preliminary
 BEAUFORT COUNTY, SOUTH CAROLINA
 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
 Stormwater Utility
 For the Period Ended October 31, 2012

	Budget FY 2013	October 31, 2012	Budget to Actual	Percent of Budget
Operating Revenues				
Stormwater Utility Fees	\$ 3,469,180	\$ 205,508	(3,263,672)	6%
Stormwater Utility Project Billings	370,664	-	(370,664)	0%
Total Operating Revenues	<u>3,839,844</u>	<u>205,508</u>	<u>(3,634,336)</u>	<u>5%</u>
Operating Expenses				
Personnel	2,014,323	624,732	(1,389,591)	31%
Purchased Services	1,297,125	137,420	(1,159,705)	11%
Supplies	425,660	92,377	(333,283)	22%
Depreciation	273,545	91,184	(182,361)	33%
Total Operating Expenses	<u>4,010,653</u>	<u>945,713</u>	<u>(3,064,940)</u>	<u>24%</u>
Operating Income (Loss)	(170,809)	(740,205)	(569,396)	433%
Non-Operating Revenues (Expenses)				
Interest Earned	11,389	-	(11,389)	0%
Total Non-Operating Revenues (Expenses)	<u>11,389</u>	<u>-</u>	<u>(11,389)</u>	<u>100%</u>
Change in Net Assets	(159,420)	(740,205)	(580,785)	-100%
Net Assets, Beginning	<u>2,733,646</u>	<u>2,733,646</u>		
Net Assets, Ending	<u>\$ 2,574,226</u>	<u>\$ 1,993,441</u>	(580,785)	77%

Stormwater Utility Priorities for 2014

Draft November 27, 2013

Overall Priority – Implementing the Utility Vision of an Efficient Utility Addressing the Stormwater Needs of the County, while Protecting its Water Resources

Staff's Top Three Internal Management Goals

1. Implement ditch Maintenance schedules with Pubworks
2. Complete mapping of Water Collection Points ie Catch Basins, storm drains, etc.
3. Develop a decision process to help move projects forward in a timely manner.

Staff's Top Ten External Goals Nominees

1. Start preparations for NPDES MS4 permit
 - a. Develop application
 - b. Establish program reporting elements
 - c. Revise IGAs to reflect new MS4 rules and activities
 - d. Determine utility outfalls under permit
2. Initiate agreements to start development of update to SW Management Plan
3. Develop inspection procedures/checklist for BMPs and to identify hot spots including SC DOT
4. Develop Plan and costs to address SC DOT outfalls and BCSD drainage issues
5. The construction of the Battery Creek retrofit project.
6. The construction of the 278 ponds.
7. Promote use of new USCB lab by towns and city in county. Expand monitoring effort to address MS4 requirements for all agencies in county.
8. Expand role of SW manager to be more involved in storm water capital project development and implementation.
9. Continue to develop Utility capability to do water quality retrofit projects
10. Implement a Utility Locate System
11. Develop Water Collection (Catch Basin) identification and inspection schedule
12. Complete LIDAR and update drainage layer with 2013 DEM

13. Make purchase of property needed for Okatie West retrofit in time to utilize current wetlands delineation
14. Develop Pond Maintenance System
15. Restoration Agreement with Town of Bluffton on May/Okatie Rivers
16. Complete Drainage Characterization for Unincorporated County and Develop comprehensive graphical SW Needs picture with what we are and not doing
17. Fully transition water quality monitoring contract from GEL to USCB and reach out to other entities in the County that may need laboratory services.
18. Prepare for ms4 permit by establishing program reporting elements and revising the IGAs to reflect new MS4 rules and activities.
19. Redefine the role of the SWIC and how it relates to the SWU board.
20. Continue support for two R&D efforts – Water Budget and Salinity Study
21. Pollution Prevention Plans for SW Utility
22. (1)Look for ways to stress economic value of SW protecting water quality
23. Follow-up on public education slots for County Channel
24. Actively participate in the Okatie 319 grant
25. Interactive Website graphics on SW
26. Explore with Public Works adopting CHS SWU use of GPS touch devices

Guiding principles for Utility determinations were

1. Actions needed for NPDES Permit
2. Addressing WQ Issues
3. Improve efficiency in Utility operation



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Spann Circle Phase II

Activity: Drainage Improvement

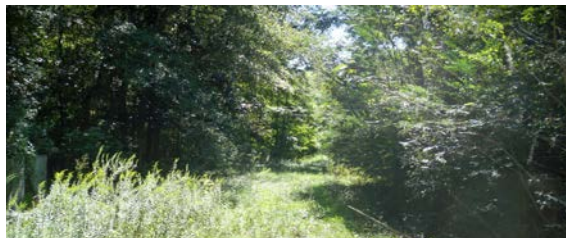
Narrative Description of Project:

Completion: Nov-13

Project improved 1,746 L.F. of drainage system. Shinn cut 1,746 L.F. of creek/stream and channel. Constructed 520 L.F. of channel and workshelf. Reconstructed 1,226 L.F. of creek/stream and constructed 1,226 L.F. of workshelf. Installed (2) access pipes, (2) access gates and rip rap for erosion control. Hydroseeded for erosion control.

2013-630A / Spann Circle Phase II	Labor Hours	Labor Cost	Equipment Cost	Material Cost	Contractor Cost	Indirect Labor	Total Cost
AGI / Access Gate - Installed	9.0	\$198.96	\$10.86	\$266.56	\$0.00	\$136.68	\$613.06
AGP / Access Gate - Painted	13.5	\$298.44	\$16.29	\$10.29	\$0.00	\$205.02	\$530.04
APINS / Access pipe - installed	39.0	\$949.52	\$272.88	\$675.31	\$0.00	\$440.46	\$2,338.17
AUDIT / Audit Project	2.0	\$40.92	\$0.00	\$0.00	\$0.00	\$26.46	\$67.38
BPINST / Bleeder pipe - Installed	30.0	\$707.66	\$75.96	\$289.66	\$0.00	\$266.70	\$1,339.98
DWASPH / Driveway - Asphalt	40.0	\$914.75	\$54.30	\$63.06	\$0.00	\$521.75	\$1,553.86
HAUL / Hauling	290.0	\$5,910.94	\$3,113.70	\$3,385.05	\$0.00	\$2,617.05	\$15,026.74
HYDR / Hydroseeding	18.0	\$372.95	\$94.78	\$699.26	\$0.00	\$238.14	\$1,405.13
ODCO / Outfall ditch - cleaned out	149.0	\$3,586.41	\$1,356.94	\$437.35	\$0.00	\$1,729.03	\$7,109.73
ODSHN / Outfall ditch - Shinn cut	20.0	\$458.60	\$412.34	\$10.29	\$0.00	\$321.20	\$1,202.43
ONJV / Onsite Job Visit	117.0	\$3,954.24	\$423.54	\$252.75	\$0.00	\$2,660.97	\$7,291.50
PL / Project Layout	7.0	\$134.96	\$25.34	\$10.29	\$0.00	\$93.80	\$264.39
PP / Project Preparation	1.0	\$44.27	\$3.62	\$2.97	\$0.00	\$33.96	\$84.82
PROFS / Professional Services	0.0	\$0.00	\$0.00	\$0.00	\$1,850.00	\$0.00	\$1,850.00
SC / Sediment Control	20.0	\$458.60	\$72.40	\$50.77	\$0.00	\$321.20	\$902.97
SG / Shoot Grade	7.0	\$134.96	\$0.00	\$0.00	\$0.00	\$0.00	\$134.96
UTLOC / Utility locates	1.0	\$20.46	\$0.00	\$0.00	\$0.00	\$13.23	\$33.69
WSDR / Workshelf - Dressed	3.0	\$70.77	\$43.38	\$7.89	\$0.00	\$26.67	\$148.70
WSGRB / Workshelf - Grubbed	40.0	\$918.65	\$579.42	\$126.22	\$0.00	\$560.35	\$2,184.64
WSL / Workshelf - Level	32.0	\$722.86	\$292.40	\$294.79	\$0.00	\$486.44	\$1,796.49
WSSHN / Workshelf - Shinn cut	148.0	\$3,396.14	\$2,784.09	\$1,382.29	\$0.00	\$2,186.04	\$9,748.56
2013-630A / Spann Circle Phase II Sub Total	986.5	\$23,295.05	\$9,632.24	\$7,964.80	\$1,850.00	\$12,885.15	\$55,627.24
Grand Total	986.5	\$23,295.05	\$9,632.24	\$7,964.80	\$1,850.00	\$12,885.15	\$55,627.24

Before



During



After



**Project: Spann
Circle Phase II**

**Activity: Drainage
Improvement**















**Project #:
2013-630A**

**Township:
Sheldon**

**Completed:
November 2013**

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 = 309 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/20/13

File:C:/sethdata/projects/projectmaps/Spann Cir PhII 2013-630A



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Ardmore Avenue

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Oct-13

Project improved 200 L.F. of drainage system. Repaired sinkhole. Cleaned out (1) catch basin. Jetted (1) crossline pipe, (1) driveway pipe and 200 L.F. of roadside pipe.

2013-642 / Ardmore Avenue	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
DPREM / Driveway Pipe - Removed	24.0	\$539.88	\$45.59	\$36.70	\$0.00	\$361.44	\$983.62
HAUL / Hauling	13.5	\$289.91	\$144.45	\$54.10	\$0.00	\$194.67	\$683.13
ONJV / Onsite Job Visit	2.0	\$66.36	\$7.24	\$8.91	\$0.00	\$48.94	\$131.45
PRRECON / Project Reconnaissance	5.0	\$137.61	\$19.30	\$32.67	\$0.00	\$98.35	\$287.93
RSPJ / Roadside Pipe - Jetted	10.0	\$239.76	\$110.80	\$78.46	\$0.00	\$164.70	\$593.72
SR / Sinkhole repair	20.0	\$445.56	\$18.10	\$20.58	\$0.00	\$298.00	\$782.24
2013-642 / Ardmore Avenue Sub Total	75.0	\$1,729.31	\$345.48	\$231.42	\$0.00	\$1,172.71	\$3,478.92
Grand Total	75.0	\$1,729.31	\$345.48	\$231.42	\$0.00	\$1,172.71	\$3,478.92

Before



During



After



Project: Ardmore Avenue
















**Activity: Routine/
Preventive
Maintenance**

**Project #:
2013-642**

**Township: Lady's
Island**

**Completed:
October 2013**

Legend

-  Catch Basin
- 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



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

Removed 8 LF of driveway pipe. Repaired sinkhole. Installed sod for erosion control.

Jetted 200 LF of roadside pipe and (1) driveway pipe.



1 inch = 83 feet



Beaufort County
Public Works
Stormwater Infrastructure
Project Summary

Project Summary: St. Helena Island Valley Drains

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Oct-13

Project improved 6,534 L.F. of drainage system. Cleaned out 6,534 L.F. of valley drains. This project consisted of following areas: Hunters Grove Road (1,000 L.F.), Luther Warren Road (3,064 L.F.), Levant Byas Road (1,460 L.F.) and Vineyard Point Road (1,010 L.F.)

2014-311 / St. Helena Island Valley Drains	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
COVD / Cleaned Out Valley Drains	50.0	\$1,046.35	\$163.80	\$136.86	\$0.00	\$661.50	\$2,008.51
2014-311 / St. Helena Island Valley Drains	50.5	\$1,056.58	\$163.80	\$136.86	\$0.00	\$668.12	\$2,025.35
Sub Total							
Grand Total	50.5	\$1,056.58	\$163.80	\$136.86	\$0.00	\$668.12	\$2,025.35

Before



During



After



Project: Hunters Grove Road

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2014-311**

**Township: St.
Helena Island**

**Completed:
October 2013**



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

0 35 70 140 210 280
Feet

1 inch = 136 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/22/13

File: C:/sethdata/projects/projectmaps/Hunters Grove Rd 2014-311

Project: Luther Warren Drive

Activity: Routine/ Preventive Maintenance

Project #: 2014-311

Township: St. Helena Island

Completed: October 2013



1 inch = 267 feet

Project: Levant Byas Road

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2014-311**















**Township: St.
Helena Island**

**Completed:
October 2013**



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 = 210 feet

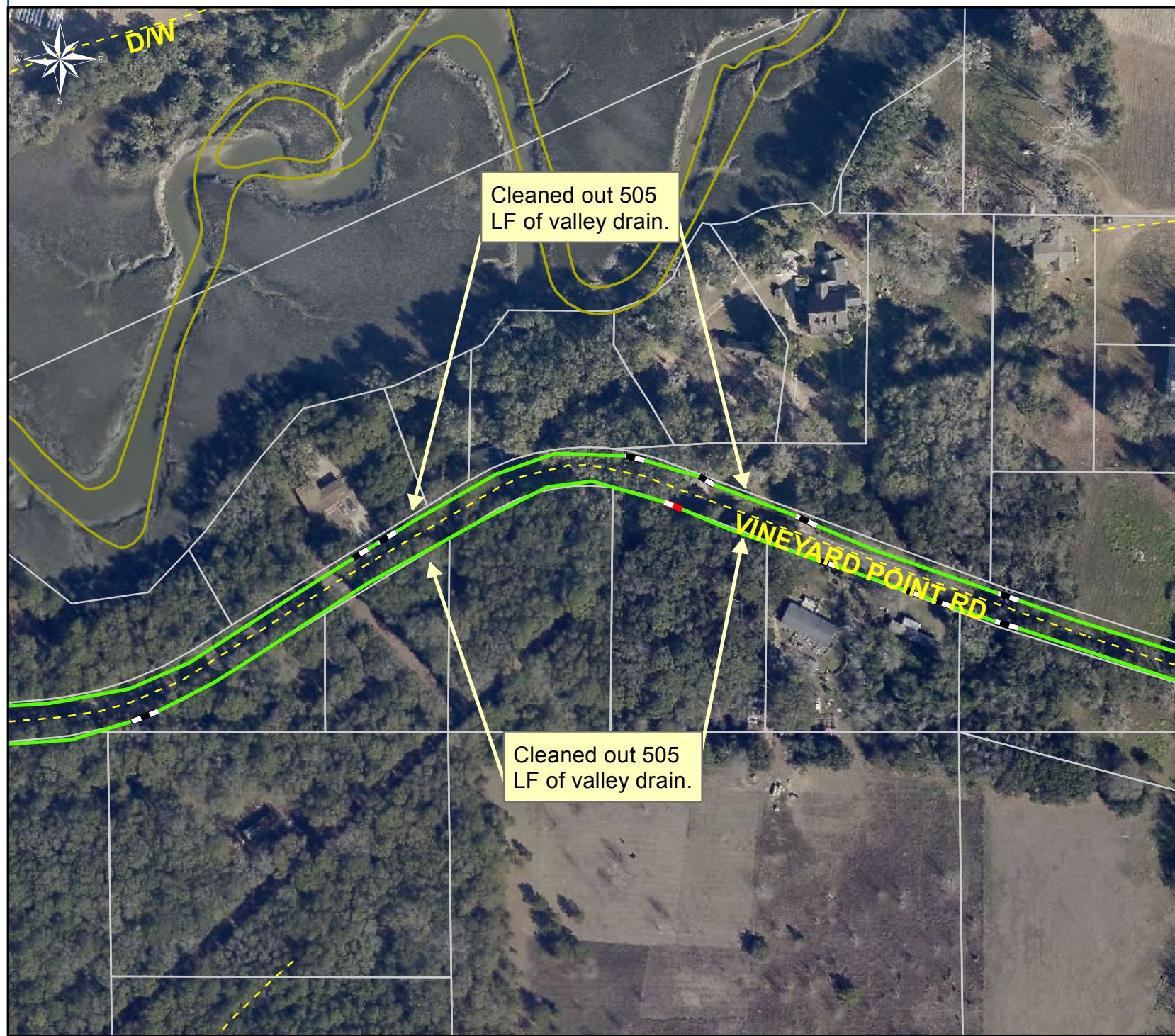
Project: Vineyard Point Road

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2014-311**















**Township: St.
Helena Island**

**Completed:
October 2013**



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 = 176 feet



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Lady's Island Valley Drains

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Oct-13

Project improved 19,362 L.F. of drainage system. Cleaned out 19,362 L.F. of valley drains. This project consisted of following areas: Rue Du Bois (3,720 L.F.), Honeysuckle Lane (582 L.F.), Old Distant Island Road (1,448 L.F.), Paul Heyward Drive (888 L.F.), Deveaux Road (1,066 L.F.), Blythewood Road (3,070 L.F.), Ethel Grant Lane (582 L.F.), Fairfield Road (2,806 L.F.), Wiggins Road (2,990 L.F.) and Bent Oak Road (2,210 L.F.)

2014-312 / Ladys Island Valley Drains	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
COVD / Cleaned Out Valley Drains	82.0	\$1,725.59	\$349.50	\$227.75	\$0.00	\$1,084.86	\$3,387.70
HAUL / Hauling	35.0	\$752.85	\$374.50	\$109.76	\$0.00	\$504.70	\$1,741.81
PRRECON / Project Reconnaissance	5.0	\$131.25	\$18.10	\$38.40	\$0.00	\$88.63	\$276.38
2014-312 / Ladys Island Valley Drains	122.5	\$2,619.92	\$742.10	\$375.91	\$0.00	\$1,684.80	\$5,422.74
Grand Total	122.5	\$2,619.92	\$742.10	\$375.91	\$0.00	\$1,684.80	\$5,422.74

Before



During



After



Project: Rue Du Bois

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2014-312**

**Township: Lady's
Island**

**Completed:
October 2013**

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 = 212 feet

Project:
Honeysuckle
Lane

Activity: Routine/
Preventive
Maintenance















Project #:
2014-312

Township: Lady's
Island

Completed:
October 2013

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 = 108 feet

Project: Old Distant Island Road

Activity: Routine/ Preventive Maintenance

Project #: 2014-312

Township: Lady's Island

Completed: October 2013

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 724 LF of valley drain.

Cleaned out 724 LF of valley drain.



1 inch = 229 feet

Project: Paul Heyward Drive

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2014-312**

**Township: Lady's
Island**

**Completed:
October 2013**

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 444
LF of valley drain.

Cleaned out 444
LF of valley drain.



1 inch = 119 feet

Project: Deveaux Road

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2014-312**

**Township: Lady's
Island**

**Completed:
October 2013**



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 = 102 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/26/13

File: C:/sethdata/projects/projectmaps/Deveaux Rd 2014-312

Project:
Blythewood Road
Road

Activity: Routine/
Preventive
Maintenance

Project #:
2014-312

Township: Lady's
Island

Completed:
October 2013

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 1,535
LF of valley drain.

Cleaned out 1,535
LF of valley drain.



1 inch = 207 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/26/13

File: C:/sethdata/projects/projectmaps/Blythewood Rd 2014-312

Project: Ethel Grant Road

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2014-312**

**Township: Lady's
Island**

**Completed:
October 2013**

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 = 50 feet

Project: Fairfield Road

**Activity: Routine/
Preventive
Maintenance**

**Project #:
2014-312**

**Township: Lady's
Island**

**Completed:
October 2013**

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 = 340 feet

Project: Wiggins Road

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2014-312**

**Township: Lady's
Island**

**Completed:
October 2013**

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 = 207 feet

Project: Bent Oak Road

**Activity: Routine/
Preventive
Maintenance**















**Project #:
2014-312**

**Township: Lady's
Island**

**Completed:
October 2013**

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 1,105
LF of valley drain.

Cleaned out 1,105
LF of valley drain.



1 inch = 207 feet



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Benton Field Road

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Completion: Oct-13

Project improved 1,154 L.F. of drainage system. Cleaned out 1,154 L.F. of roadside ditch. Jetted (2) crossline pipes and (4) driveway pipes.

2014-514 / Benton Field 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
HAUL / Hauling	30.0	\$648.90	\$321.00	\$144.06	\$0.00	\$432.60	\$1,546.56
ONJV / Onsite Job Visit	6.0	\$199.08	\$21.72	\$29.70	\$0.00	\$146.82	\$397.32
RSDCL / Roadside Ditch - Cleanout	60.0	\$1,349.71	\$188.81	\$104.65	\$0.00	\$903.60	\$2,546.77
STBY / Stand By	10.0	\$214.20	\$107.00	\$68.60	\$0.00	\$144.20	\$534.00
2014-514 / Benton Field Road Sub Total	106.5	\$2,422.12	\$638.53	\$347.01	\$0.00	\$1,633.84	\$5,041.50
Grand Total	106.5	\$2,422.12	\$638.53	\$347.01	\$0.00	\$1,633.84	\$5,041.50

Before



During



After



Project: Benton Field Road

Activity: Routine/ Preventive Maintenance















Project #: 2014-514

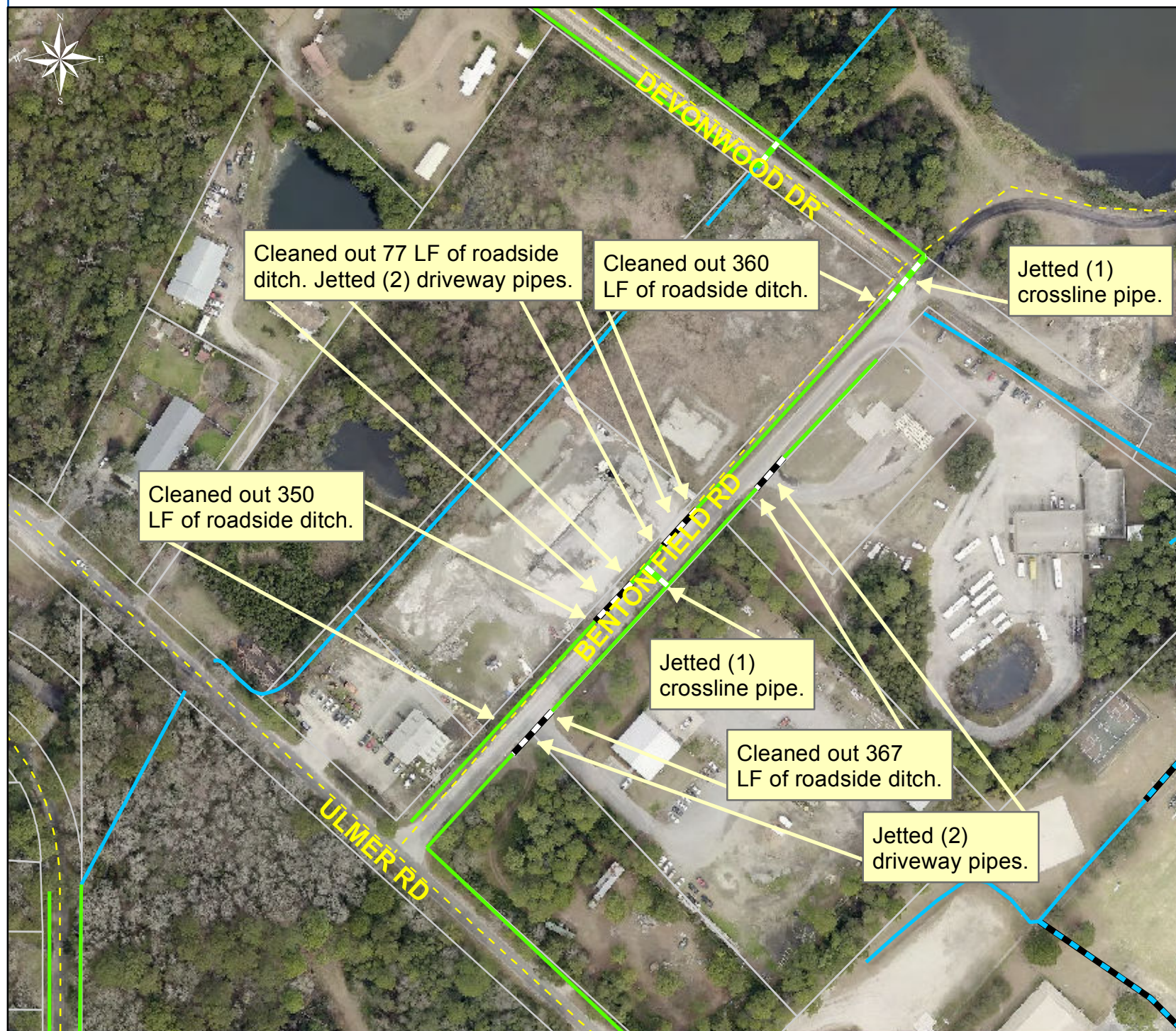
Township: Bluffton

Completed: October 2013

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 = 175 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/21/13

File: C:\sethdata\projects\projectmaps\Benton Field Rd 2014-514



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: George Williams Lane

Activity: Routine/Preventive Maintenance

Narrative Description of Project:

Replaced (1) driveway pipe.

Completion: Nov-13

2014-537 / George Williams 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
DPRPL / Driveway Pipe - Replaced	12.0	\$283.06	\$94.00	\$238.36	\$0.00	\$106.68	\$722.11
HAUL / Hauling	4.0	\$84.84	\$42.80	\$179.78	\$0.00	\$57.68	\$365.10
ONJV / Onsite Job Visit	5.0	\$149.20	\$18.10	\$14.85	\$0.00	\$91.15	\$273.30
PRRECON / Project Reconnaissance	2.0	\$66.36	\$7.24	\$8.91	\$0.00	\$48.94	\$131.45
UTLOC / Utility locates	0.5	\$10.23	\$0.00	\$0.00	\$0.00	\$6.62	\$16.85
2014-537 / George Williams Lane Sub Total	24.0	\$603.92	\$162.14	\$441.90	\$0.00	\$317.68	\$1,525.64
Grand Total	24.0	\$603.92	\$162.14	\$441.90	\$0.00	\$317.68	\$1,525.64

Before



During



After



Project: George Williams Lane

Activity: Routine/ Preventive Maintenance






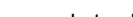






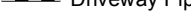

Project #: 2014-537

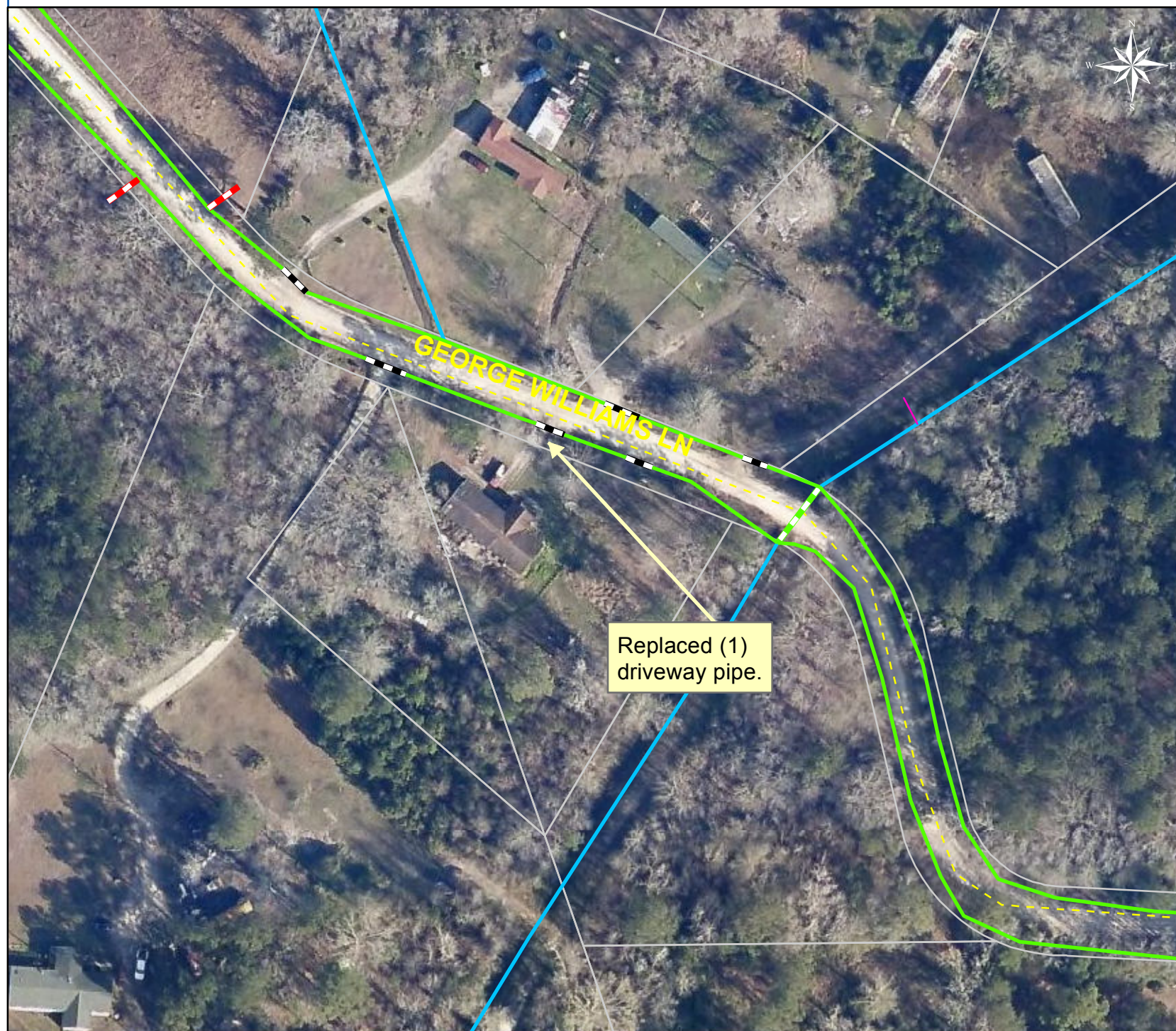
Township: Sheldon

Completed: October 2013

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



Replaced (1) driveway pipe.



1 inch = 99 feet



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD

Wednesday, January 8, 2014

2:00 p.m.

Beaufort Industrial Village, Building 2 Conference Room
102 Industrial Village Road, Beaufort
843.255.2801

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

1. CALL TO ORDER – 2:00 p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes – December 4, 2013 ([backup](#))
2. INTRODUCTIONS
3. PUBLIC COMMENT
4. REPORTS
 - A. Monitoring Update – Danny Polk
 - B. Utility Update – Eric Larson, P.E.
 - C. Upcoming Professional Contracts Report – Eric Larson, P.E.
 - D. Financial Report – Alan Eisenman ([backup](#))
 - E. Status of Utility's 2013 Goals - Carolyn Wallace ([backup](#))
 - F. Fiscal Year 2013 Actuals – Carolyn Wallace ([backup](#))
 - G. Utility's 2014 Goals – Carolyn Wallace/Eric Larson, P.E. ([backup](#))
 - H. Maintenance Project Report – Eddie Bellamy ([backup](#))
5. UNFINISHED BUSINESS
 - A. Regional Coordination – Eric Larson, P.E.
6. NEW BUSINESS
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA
 - A. February 5, 2013 ([backup](#))
9. ADJOURNMENT

