

# Project Summaries

December 2011



## Beaufort County Public Works *Stormwater Infrastructure* Project Summary

Project: Twickenham Plantation Road -  
Phase II

Completed: Nov-10

Project #: 2007-98A

Project Total: \$54,544.20

### Narrative Description of Project:

Installed (1) access pipe, (1) crossline pipe and (2) bleeder pipes. Extended (1) access pipe. Installed rip rap and hydroseeded for erosion control.

### Site Photographs

Before



During



After



**Project: Twickenham  
Plantation Road  
Phase II**

**Activity: Drainage  
Maintenance**

**Project #:  
2007-98A**

**Township:  
Sheldon**

**Completed:  
November 2010**

**Installed rip rap on  
pipe installations.**














**Installed (1) crossline pipe.  
Hydroseeded for erosion  
control.**

**Extended (1) access pipe.**

**Installed (1) access pipe  
and (2) bleeder pipes.  
Hydroseeded for erosion  
control.**

**Legend**

**Drainage Type**

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels

0 260 520 1,040 1,560 2,080  
Feet

1 inch = 717 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 11/30/11

File: C:/sethdata/projects/projectmaps/Twickenham Ph I



## Beaufort County Public Works *Stormwater Infrastructure* Project Summary

Project: Burton Wells Complex

Completed: Mar-11

Project #: 2011-594

Project Total: \$47,327.28

### Narrative Description of Project:

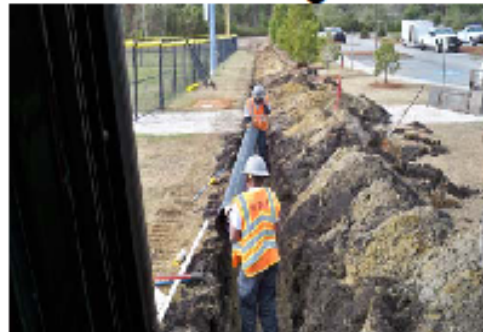
Project improved 2,588 L.F. of drainage system. Removed blockage from flowline. Cleaned out 1,780 L.F. of roadside ditch. Constructed 374 L.F. of swale. Installed 240 L.F. of outfall pipe. Repaired curb inlets, catch basins, sinkhole and washouts. Cleaned out (5) catch basins. Jetted (1) crossline pipe and 194 L.F. of roadside pipe. Installed straw mat, sod and rip rap for erosion control. Handseeded and hydroseeded for erosion control.

### Site Photographs

Before

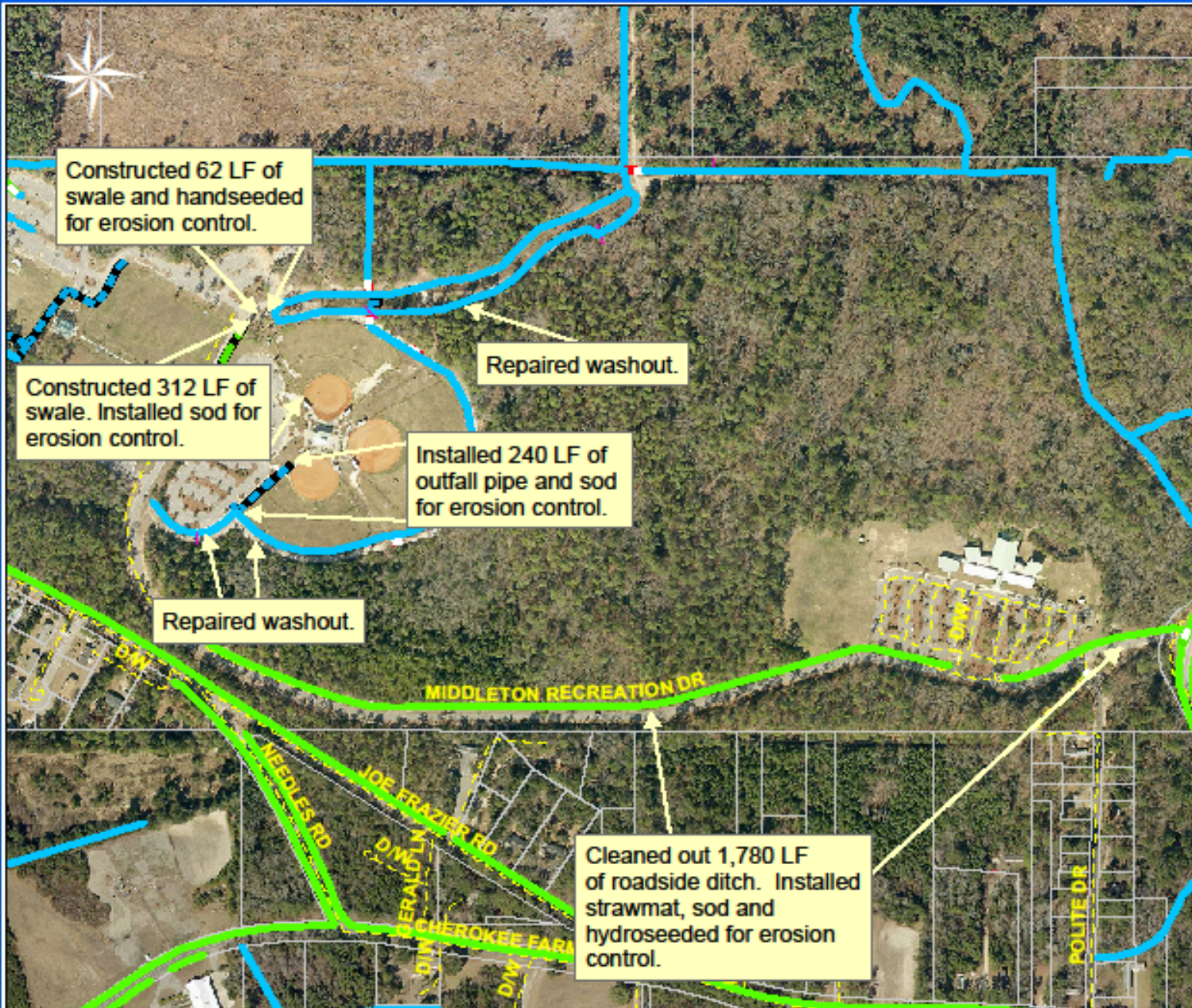


During

















After





**Legend**

**Drainage Type**

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels



1 inch = 464 feet

Project: Burton Wells Complex  
Map 2

Activity: Vacuum Truck

Project #:  
2011-594

Township: Port Royal Island

Completed:  
March 2011



Jetted (1)  
crossline pipe.

Jetted 194 LF of roadside pipe. Cleaned out (5) catch basins.

Legend	
Drainage Type	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	D/W
	Access
	Piped
	Bleeder
	Parcels

0 30 60 120 180 240  
Feet

1 inch = 106 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 10/18/11  
File: C:/sethdata/projects/projectmaps/vac/Burton Wells Complex 2011-594



## Beaufort County Public Works *Stormwater Infrastructure* Project Summary

Project: Sea Pines Drive and  
Coffin Point Outfall Phase I

Completed: Mar-11

Project #: 2011-017

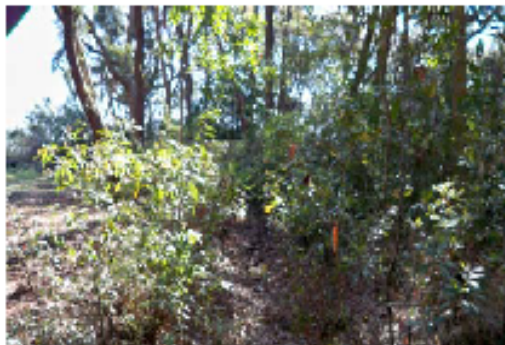
Project Total: \$14,847.61

### Narrative Description of Project:

Project improved 277 L.F. of drainage system. Grubbed and cleared 277 L.F. of outfall pipe access. Replaced (1) crossline pipe. Installed (1) catch basin, 277 L.F. of outfall pipe and rip rap for erosion control. Handseeded and hydroseeded for erosion control.

### Site Photographs

Before



During



After



Project: Sea Pines Drive and Coffin Point Phase I

Activity: Drainage Maintenance

Project #:  
2011-017














Township: St.  
Helena Island

Completed:  
March 2011



**Legend**

**Drainage Type**

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels

0 40 80 160 240 320  
Feet

1 inch = 129 feet

Prepared By: BC Stormwater Management Utility

Date Print: 11/28/11

File: C:/sethdata/projects/projectmaps/Sea Pines Dr Coffin Pt Phi 11-017





## Beaufort County Public Works *Stormwater Infrastructure* *Project Summary*

Project: Colonial Heights-Pulaski Drive  
Phase V

Completed: Apr-11

Project #: 2011-047D

Project Total: \$63,131.74

### Narrative Description of Project:

Project improved 1,719 L.F. of drainage system. Grubbed , cleared and cleaned out 825 L.F. of outfall ditch and 437 L.F. of lateral ditch. Repaired washout. Installed 377 L.F. of lateral pipe, 80 L.F. of outfall pipe, (3) bleeder pipes, rip rap and hydroseeded for erosion control.

### Site Photographs

Before



During



After



**Project: Colonial Heights - Pulaski Drive Phase V**

**Activity: Drainage Maintenance**

**Project #: 2011-047D**

**Township: Port Royal Island**

**Completed: April 2011**



Legend	
<b>Drainage Type</b>	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	D/W
	Access
	Piped
	Bleeder
	Parcels



1 inch = 215 feet



## Beaufort County Public Works *Stormwater Infrastructure* *Project Summary*

Project: Dawson /Haynes Outfall

Completed: May-11

Project #: 2011-006

Project Total: \$97,358.31

### Narrative Description of Project:

Project improved 4,770 L.F. of drainage system. Shinn cut 1,578 L.F. of outfall ditch and workshelf. Grubbed, cleared, reconstructed and constructed 4,684 L.F. of outfall ditch and workshelf. Installed (9) bleeder pipes, (11) access pipes, ( 2) crossline pipes, 86 L.F. of outfall pipe, (2) access gates and rip rap for erosion control. Hydroseeded for erosion control.

### Site Photographs

Before



During



After



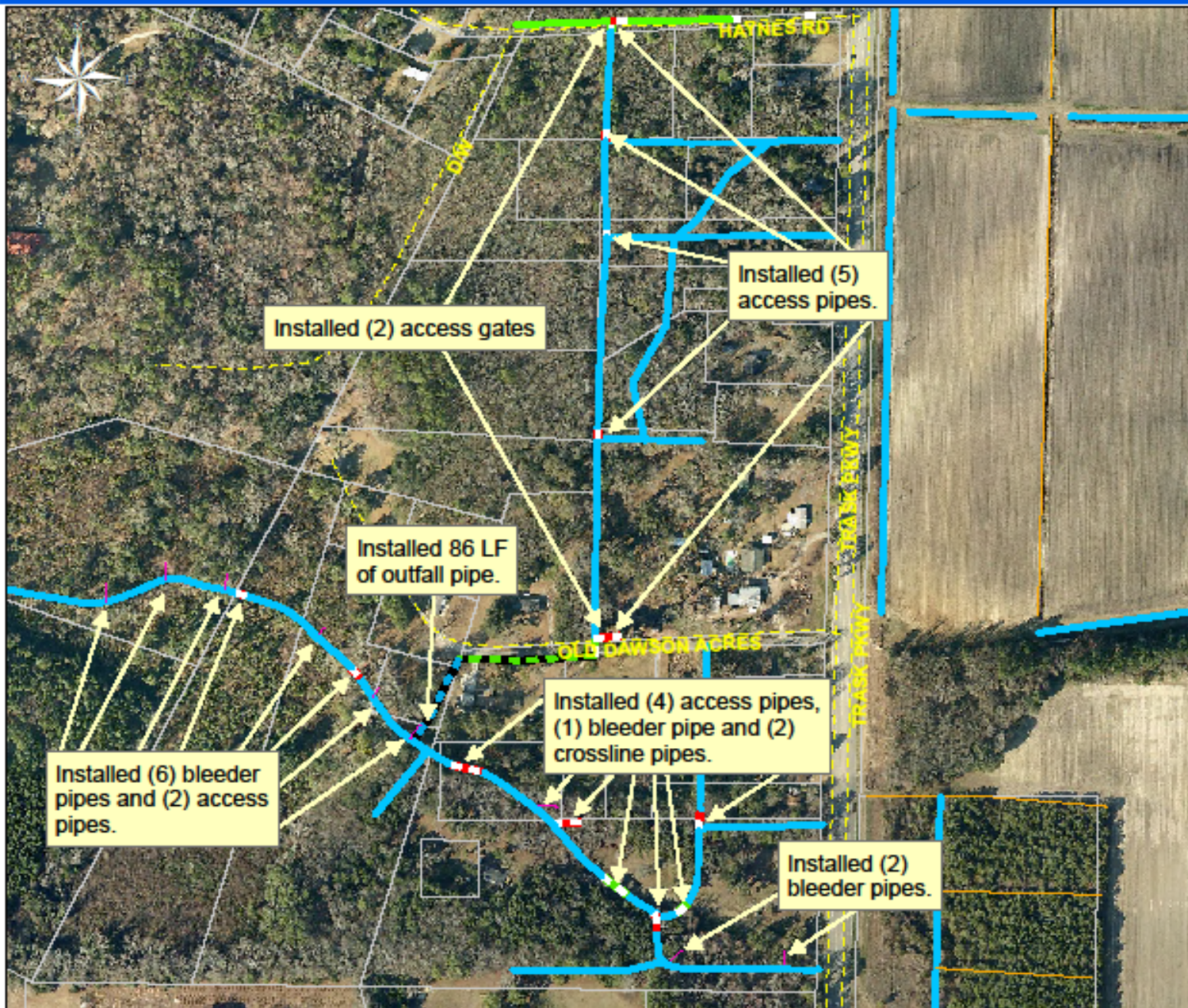
Project: Dawson - Haynes Outfall Map 1

Activity: Drainage Maintenance

Project #: 2011-006

Township: St. Helena Island

Completed: May 2011



### Legend

#### Drainage Type

- River
- Stream
- Outfall
- Lateral
- Lateral Pipe
- Roadside
- Roadside Pipe
- Road Pipe
- Crossline
- DW
- Access
- Piped
- Bleeder
- Parcels

0 100 200 400 600 800 Feet

1 inch = 350 feet

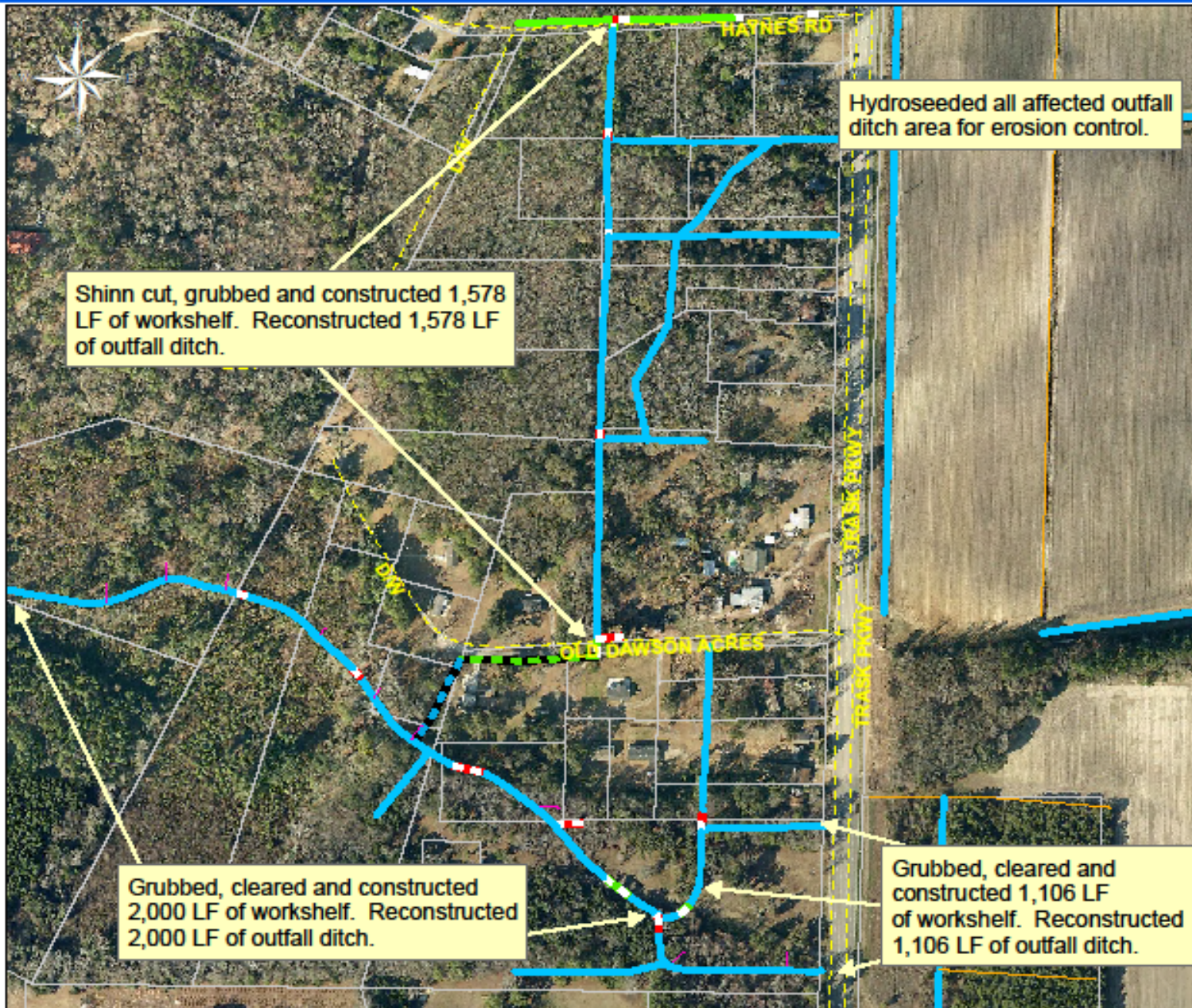
**Project: Dawson - Haynes Outfall Map 2**

**Activity: Drainage Maintenance**

**Project #: 2011-006**

**Township: St. Helena Island**

**Completed: May 2011**



Legend	
Drainage Type	
	River
	Stream
	Outfall
	Lateral
	Lateral Pipe
	Roadside
	Roadside Pipe
	Road Pipe
	Crossline
	DW
	Access
	Piped
	Bleeder
	Parcels



1 inch = 350 feet



## Beaufort County Public Works *Stormwater Infrastructure* Project Summary

Project: Bradley Road Outfall

Completed: May-11

Project #: 2011-514

Project Total: \$16,363.70

### Narrative Description of Project:

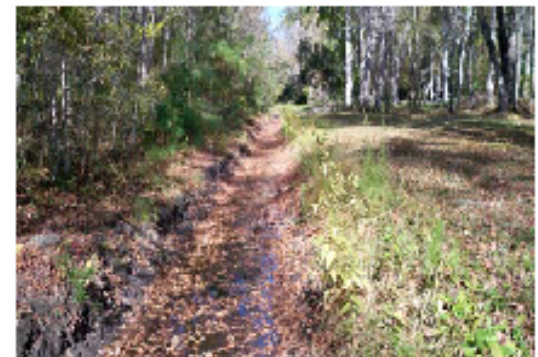
Project improved 1,979 L.F. of drainage system. Reconstructed 735 L.F. of workshelf. Cleaned out 1,600 L.F. of outfall ditch and 359 L.F. of lateral outfall ditch. Installed (1) flap gate, 20 L.F. of outfall pipe and rip rap for erosion control.

### Site Photographs

Before



After



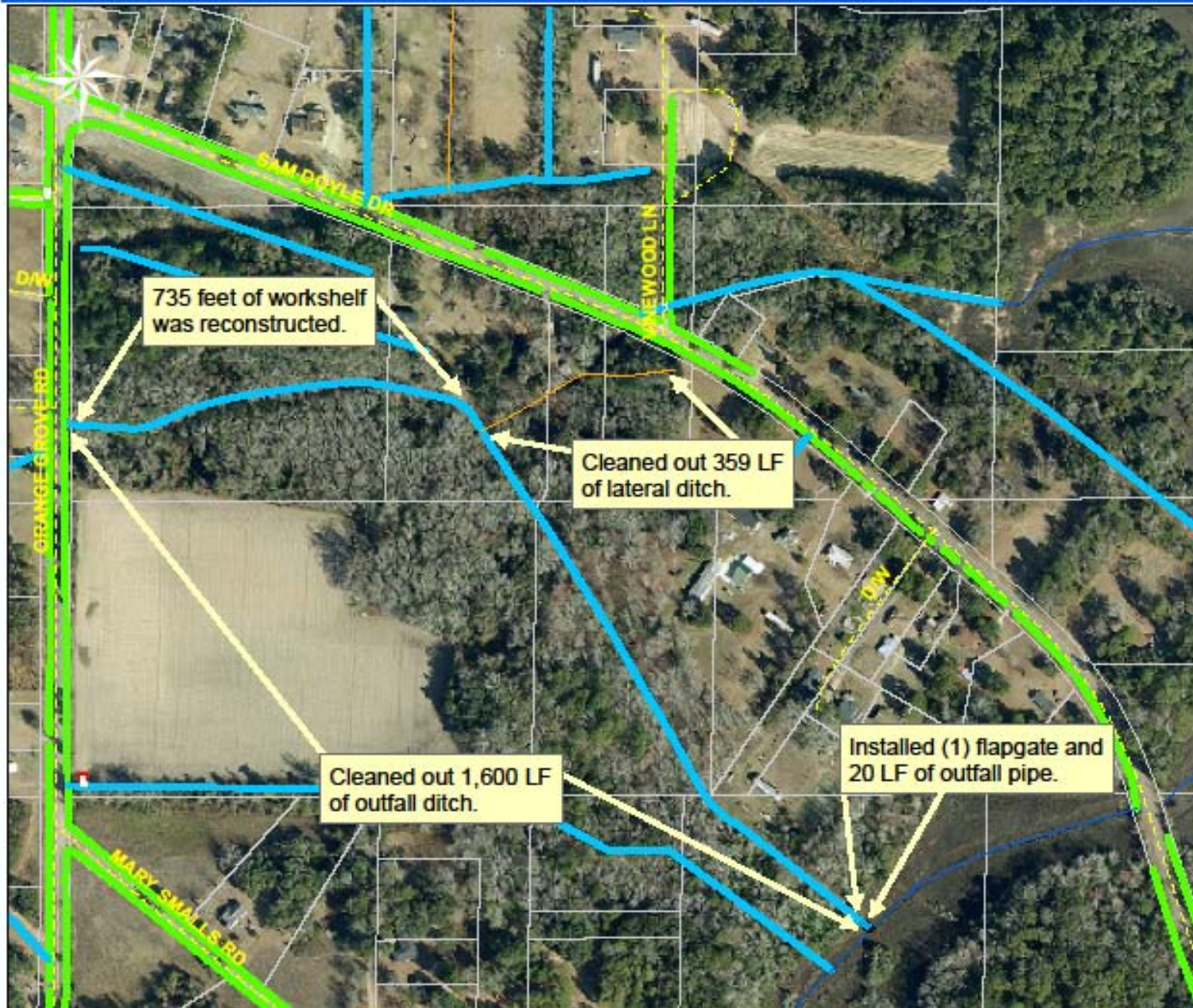
Project: Bradley Road Outfall

Activity: Drainage Maintenance

Project #: 2011-514














Township: St. Helena Island

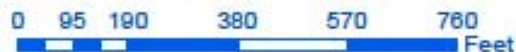
Completed: May 2011



**Legend**

**Drainage Type**

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels



1 inch = 302 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/22/11

File: C:/sethdata/projects/projectmaps/Bradley Rd Outfall 11-514



## Beaufort County Public Works *Stormwater Infrastructure* Project Summary

Project: Langford Road

Completed: Jun-11

Project #: 2011-577

Project Total: \$21,642.96

### Narrative Description of Project:

Project improved 2,922 L.F. of drainage system. Cleaned out 2,922 L.F. of roadside ditch. Installed (2) access pipes and (1) crossline pipe. Jetted (1) driveway pipe and (1) crossline pipes. Installed rip rap for erosion control.

### Site Photographs

Before



During



After





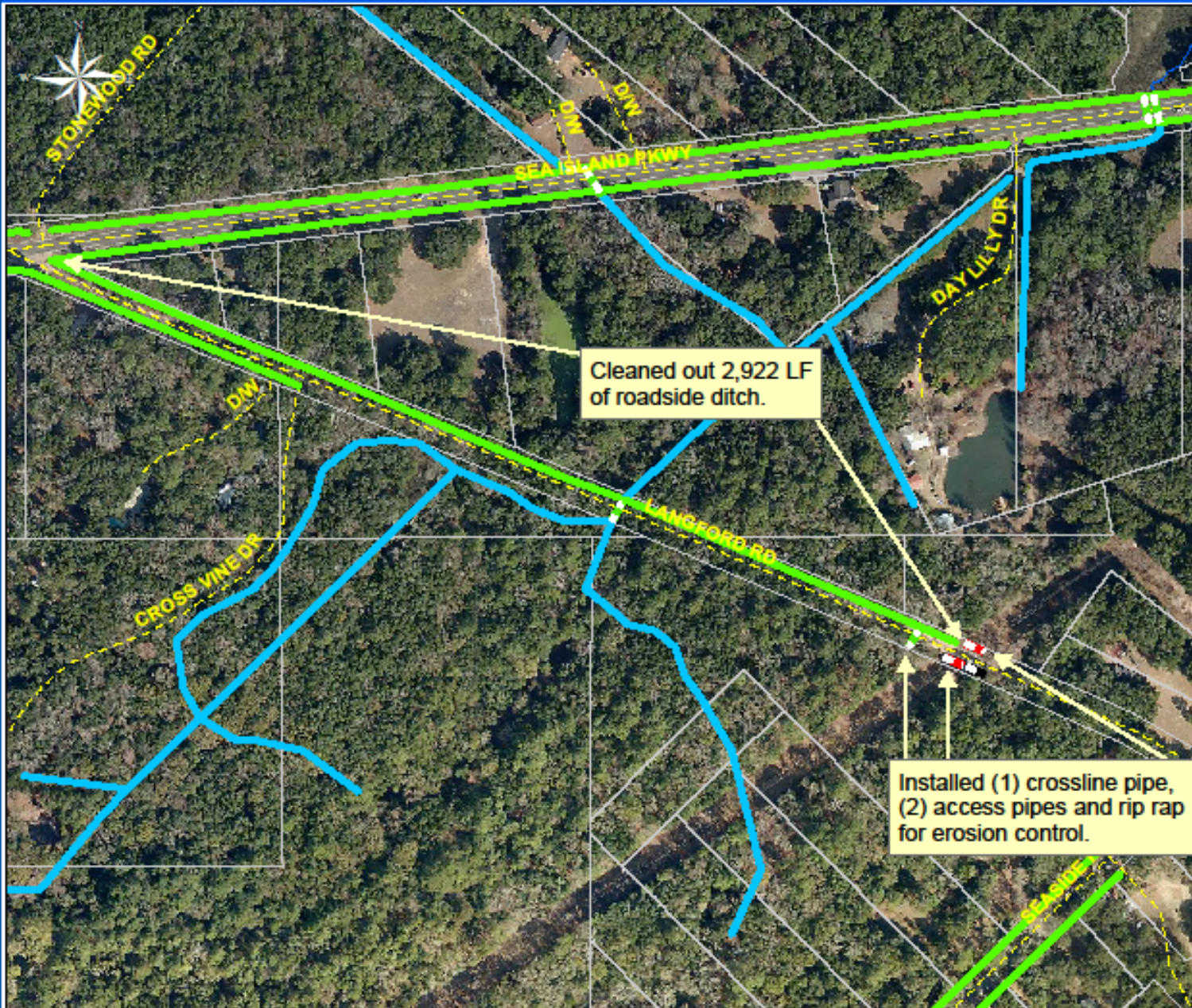
Project: Langford Road Map 1

Activity: Drainage Maintenance

Project #: 2011-577















Township: St. Helena Island

Completed: June 2011



**Legend**

**Drainage Type**

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline
-  DW
-  Access
-  Piped
-  Bleeder
-  Parcels



1 inch = 274 feet

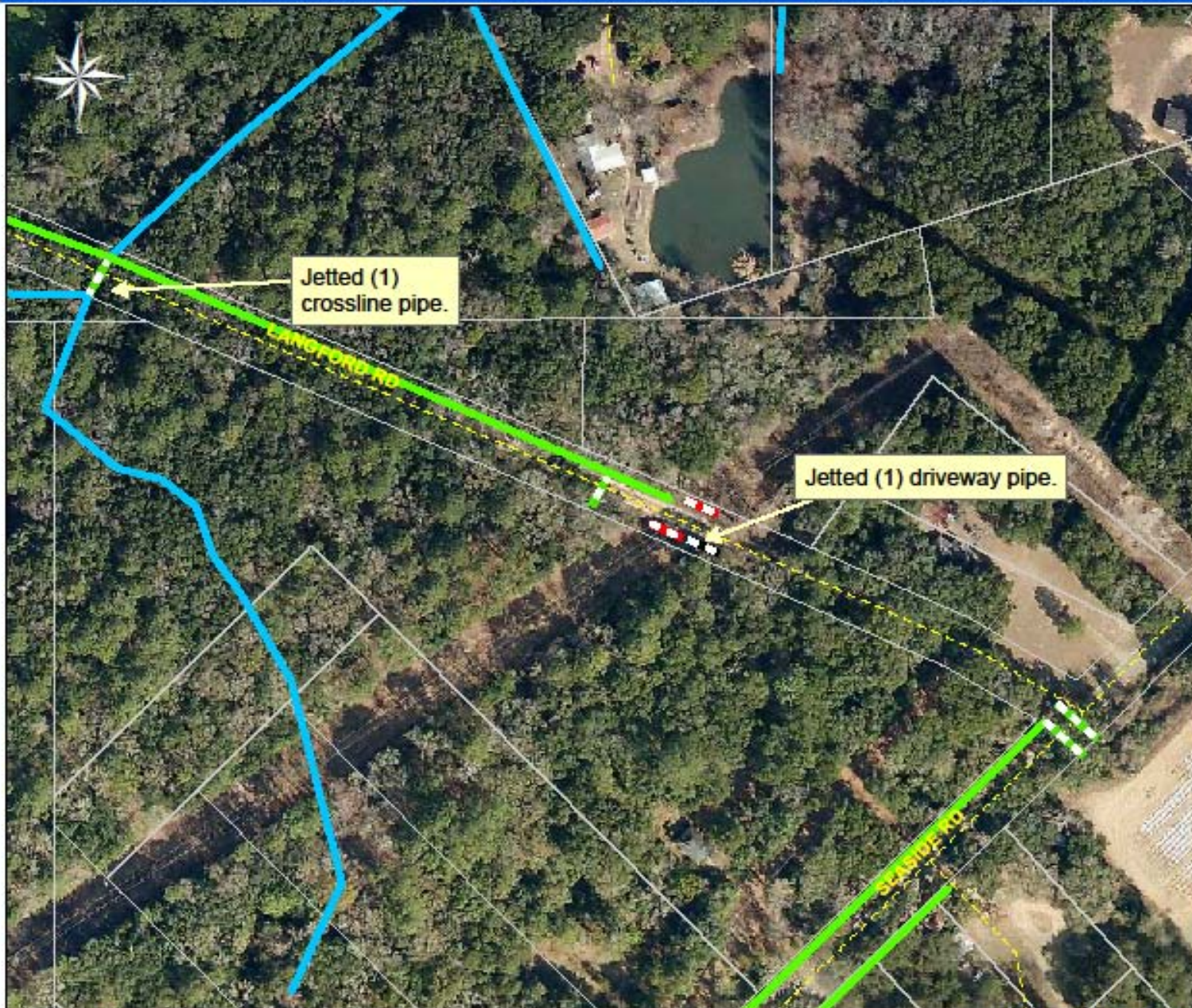
Project: Langford Road Map 2

Activity: Vacuum Truck

Project #: 2011-577











Township: St. Helena Island

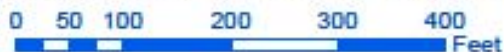
Completed: May 2011



**Legend**

**Drainage Type**

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels



1 inch = 162 feet

# Small Drainage Projects

- St. Helena Isl. Vacuum Truck

Nov. 10 – St. Helena

- Cleaned out (1) catch basin & jetted out (3) crossline, (3) access, and (19) driveway pipes. Also jetted out 20 ft. of roadside pipe.

- Cost - \$2,115.44

# Small Drainage Projects

- Lady's Isl. Vacuum Truck  
Nov. 10 – Lady's Island
  - Cleaned out (3) catch basins, (6) crosslines, (23) driveways and (1) access pipe.
  - Cost - \$3,447.80

# Small Drainage Projects

- Sawmill Forrest Subdivision

Nov. 10 - Bluffton

- Repaired a sinkhole caused by drainage system failure.
- Cost - \$3,066.72

# Small Drainage Projects

- Storm Drain Cover Replacement  
Jan. 11 – Port Royal Island
  - Replaced (5) drain covers.
  - Cost - \$1,401.30

# Small Drainage Projects

- Sheldon Road Sweep

Feb. 11 - Sheldon

- Cleaned the valley drains of (5) roads totaling 15,609 ft.
- Cost - \$1,339.25

# Small Drainage Projects

- Sheldon Bush Hog  
Mar. 11 – Sheldon
  - Completed (1) rotation of the outfall ditches. Total feet cut were 87,506 outfall & 13,930 roadside.
  - Cost - \$46,299.95



# Small Drainage Projects

- Bluffton Township Vacuum Truck  
Mar. 11 – Bluffton
  - Cleaned out (12) catch basins, jetted out (1) driveway pipe, (2) crossline pipes, and (372)ft. of roadside pipe.
  - Cost - \$4,502.52

# Small Drainage Projects

- Mayfair Court
  - Apr. 11 – Lady's Island
    - Refreshed the (2) French drains we installed several years ago at the corner of Mayfair Ct. & Sams Pt. Rd.
    - Cost - \$2,211.11

# Small Drainage Projects

- Browns Isl. Rd & Gum Tree Lane  
Apr. 11 – Sheldon
  - Repaired a washout, cleaned out 1,584 ft. of outfall ditch & 759 ft. of roadside ditch. Installed (2) bleeder pipes, cleaned (1) catch basin & jetted out (3) driveway pipes.
  - Cost - \$6,445.51

# Small Drainage Projects

- Peaches Hill Cir. Outfall  
May 11 – St. Helena
  - Cleaned out 1,500 ft. of outfall & 1600 ft. of roadside ditch.
  - Cost - \$5,564.88

# Small Drainage Projects

- Airport Circle
  - May 11 – Lady's Island
    - Cleaned out 1,025 ft. of roadside ditch & 400 ft. of swale, jetted (3) driveway, (1) crossline pipe and seeded for erosion control.
    - Cost - \$9,391.69

# Small Drainage Projects

- Grande Oaks Dr.  
May 11 – Bluffton
  - Cleaned out 2,001 ft. of roadside ditch, cleaned out (1) catch basin, jetted (2) crossline, (17) driveway pipes. Jetted 200 ft. of roadside pipe and seeded for erosion control.
  - Cost - \$13,035.75

# Small Drainage Projects

- St. Helena Island Vacuum Truck  
May 11 – St. Helena
  - Cleaned out (13) catch basins, jetted (26) crossline pipes, (8) access pipes and (49) driveway pipes. Jetted out 32 ft. of outfall pipe & 416 ft. of roadside pipe.
  - Cost - \$12,320.37

# Small Drainage Projects

- St. Helena Isl. Road Sweep  
May 11 – St. Helena
  - Cleaned the valley drains of (8) roads totaling 19,827 ft.
  - Cost - \$5,476.05



# Small Drainage Projects

- Backache Acres – Ph. 1  
Jun. 11 – Sheldon
  - Staked the perimeter of the pond & the easement, installed protective barriers to protect vegetation. Installed sediment control & did initial clearing for the pond.
  - Cost - \$9,296.04

# Small Drainage Projects

- Robinson Hill Rd. Outfall  
Jun. 11 – Sheldon
  - Cleaned 1,056 ft. of valley drains ,  
jetted (1) crossline pipe, and cleaned  
out 542 ft. of outfall ditch.
  - Cost - \$4,613.79

# Small Drainage Projects

- Lady's Isl. Vacuum Truck  
Jun. 11 – Lady's Island
  - Cleaned out (8) catch basins, jetted (15) driveway pipes, (13) crossline pipes, (1) access pipe. Jetted 140 ft. of roadside pipe and 40 ft. of outfall pipe.
  - Cost - \$7,738.01

# Small Drainage Projects

- Sheldon Vacuum Truck  
Jun. 11 – Sheldon
  - Cleaned out (3) catch basins, jetted 21 driveway pipes, (13) crossline pipes, (6) access pipes. Jetted 42 ft. of roadside pipe & 16 ft. outfall ditch.
  - Cost - \$5,954.50

# Small Drainage Projects

- Lady's Isl. Bush Hog  
Jun. 11 – Lady's Island
  - Completed (1) rotation of the outfall ditches. Total feet cut were 25,206 outfall and 2,685 roadside.
  - Cost - \$16,684.75