



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

## **Project Summary: Shed Road**

Project #: 2010-163

Completed: Mar-10

### **Narrative Description of Project:**

Project improved 2,230 L.F. of drainage system. Removed blockage from flowline. Cleaned out 2,230 L.F. of roadside ditch. Replaced (1) access pipe and (1) driveway pipe to correct elevation. Extended (1) crossline pipe. Jetted (1) driveway pipe, (1) crossline pipe, (1) access pipe and 36 L.F. of roadside pipe. Installed rip rap for erosion control.

### **Material Cost, Rental Equipment Summary, and Labor**

Material	Unit	Cost/Unit	Qty	Cost
15" HDPE Pipe	linear feet	\$6.22	20.0	\$124.40
15" RCP Pipe	linear feet	\$12.32	4.0	\$49.28
15" RCP Pipe	linear feet	\$9.79	24.0	\$234.96
18" RCP	linear feet	\$8.71	24.0	\$209.04
Fill Dirt	ton	\$1.00	42.4	\$42.42
Rip Rap	ton	\$47.08	3.7	\$175.61
#57 Stone	ton	\$47.00	3.4	\$160.27
Silt Fence	sy	\$0.78	29.2	\$22.75
Filter Blanket Woven	sy	\$0.63	41.7	\$26.25
Turf Staples	each	\$0.03	40.0	\$1.20
Sediment Log	each	\$29.96	2.0	\$59.92
Water	gallon	\$0.01	1,300	\$13.00
Pin Flag	each	\$0.06	13.0	\$0.78
4ft Flagger	each	\$0.34	11.0	\$3.74
Caution Tape	roll	\$14.55	0.2	\$2.91
Gas	gallon	\$2.59	35.0	\$90.65
Diesel	gallon	\$2.57	541.6	\$1,391.91
Labor	hours		605.5	\$20,673.42

**Total Cost of Materials, Rental Equip., and Labor** \$23,282.52

Note: Labor cost includes the employee's salary plus fringe benefits.

### **Equipment Cost**

Item	Asset No.	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	21.0	\$391.65
JCB Urban Excavator	23364	\$40.53	20.5	\$830.87

## **Site Photographs**

Before



During



After



## Shed Road Project Summary Con't

Project #: 2010-163

### Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
JD Loader 444J	23271	\$29.75	5.5	\$163.63
Bobcat T320	23388	\$21.00	1.0	\$21.00
Vacuum Truck	22812	\$20.30	12.0	\$243.60
Dump Trucks		\$16.68	124.0	\$2,068.32
Pickup Trucks		\$4.17	169.0	\$704.73
<b>Total Equipment Cost</b>				<b>\$4,423.79</b>

Cost/hour excludes fuel cost.

Total Cost: \$27,706.31

## Site Photographs

Before



During



After





Project: Shed  
Road

Activity: Drainage  
Maintenance














Project #:  
2010-163

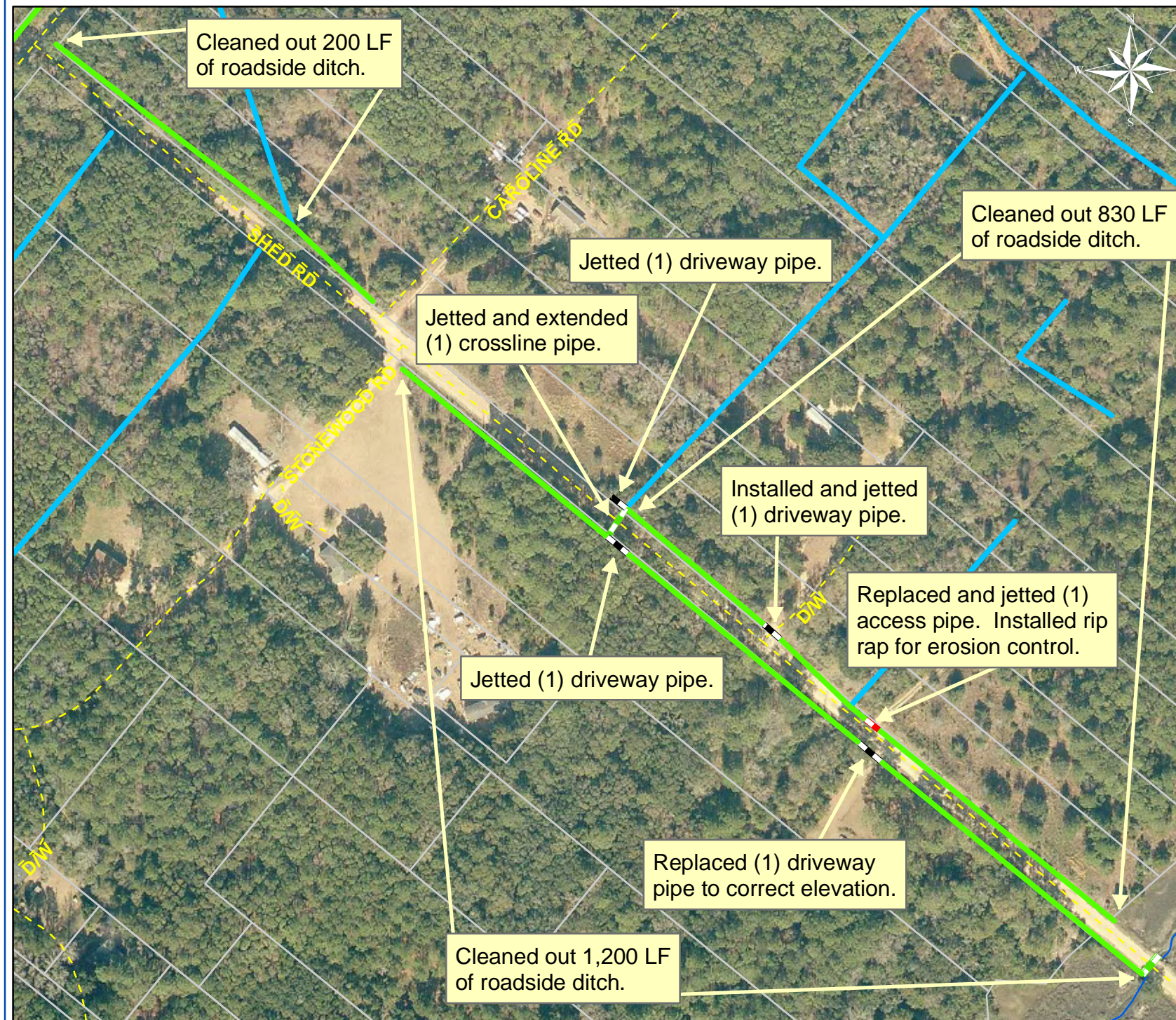
Township: St.  
Helena Island

Completed:  
March 2010

### Legend

#### Drainage Type

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



0 62.5 125 250 375 500  
Feet

1 inch equals 209 feet

Prepared By: BC Stormwater Management Utility  
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