



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

Project Summary: Warsaw Island Road Outfall

Project #: 2010-217

Completed: Apr-10

**Narrative Description of Project:**

Cleaned out 190 L.F. of outfall ditch. Installed (1) access pipe and rip rap for erosion control.

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

Material	Unit	Cost/Unit	Qty	Cost
24" HDPE Pipe	linear feet	\$13.89	40.0	\$555.60
Fill Dirt	ton	\$1.00	42.4	\$42.42
Rip Rap	ton	\$47.08	7.5	\$351.22
Silt Fence	sy	\$0.78	1.6	\$1.22
Filter Blanket	sy	\$0.63	41.7	\$26.25
Turf Staples	each	\$0.03	30.0	\$0.90
Diesel	gallon	\$2.70	43.0	\$116.10
Gas	gallon	\$2.67	20.0	\$53.40
Labor	hours		60.0	\$1,986.12
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$3,133.23</b>

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

**Equipment Cost**

Item	Asset	Cost/Hour	Hrs.	Cost
JD Loader 444J	23271	\$29.75	1.0	\$29.75
JCB Backhoe	22810	\$36.50	5.0	\$182.50
Dump Trucks		\$16.68	17.0	\$283.56
Pickup Trucks		\$4.17	21.0	\$87.57
<b>Total Equipment Cost</b>				<b>\$583.38</b>

Cost/hour excludes fuel cost.

Total Cost: \$3,716.61

**Site Photographs**

Before



During



After





Project: Warsaw  
Island Road  
Outfall

Activity: Drainage  
Maintenance














Project #:  
2010-217

Township: St.  
Helena Island

Completed:  
April 2010

### Legend

#### Drainage Type

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



Prepared By: BC Stormwater Management Utility

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File: C:/sethdata/projects/projectmaps/Warsaw Is Rd Outfall 2010-217

0 62.5 125 250 375 500 Feet

1 inch equals 170 feet