



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

Project Summary: Cape Jasmine Street  
 Project #: 2010-204                      Completed: Apr-10

Narrative Description of Project:  
 Project improved 2,110 L.F. of drainage system. Cleaned out 710 L.F. of outfall ditch and 1,400 L.F. of roadside ditch. Replaced (1) access pipe and reinstalled (1) access pipe. Installed 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	20.0	\$277.80
Fill Dirt	ton	\$1.00	10.6	\$10.61
Rip Rap	ton	\$47.08	3.7	\$175.61
FLBC	ton	\$26.55	6.7	\$178.42
Asphalt	ton	\$79.92	4.0	\$319.68
Silt Fence	sy	\$0.78	7.8	\$6.07
4ft Flagger	each	\$0.34	4.0	\$1.36
Asphalt Roller Rental				\$73.69
Walk Behind Saw Rental				\$89.10
Diesel	gallon	\$2.70	277.0	\$747.90
Gas	gallon	\$2.67	104.5	\$279.02
Labor	hours		484.0	\$17,110.36
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$19,269.61</b>

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

**Equipment Cost**

Item	Asset	Cost/Hou	Hrs.	Cost
JCB Urban Excavator	23364	\$40.53	13.0	\$526.89
JD Loader 444J	23271	\$29.75	4.0	\$119.00
Bobcat T320	23388	\$21.00	10.0	\$210.00
Dump Trucks		\$16.68	83.0	\$1,384.44
Pickup Trucks		\$4.17	118.0	\$492.06
<b>Total Equipment Cost</b>				<b>\$2,732.39</b>

Cost/hour excludes fuel cost.

Total Cost:                      \$22,002.00

**Site Photographs**

Before



During



After



Project: Cape Jasmine Street

Activity: Drainage Maintenance












Project #: 2010-204

Township: Bluffton

Completed: April 2010

### Legend

#### Drainage Type

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

Cleaned 1,400 LF of roadside ditch.

Cleaned 710 LF of outfall ditch.

Replaced (1) access pipe to correct elevation.

Reinstalled (1) access pipe to correct elevation.



1 inch equals 279.33 feet