



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

Project Summary: Donaldson Drive

Project # 2009-077

Completed: Feb-09

**Narrative Description of Project:**

Grubbed and cleared 130 L.F. of outfall ditch. Cleaned out 205 L.F of roadside ditch. Installed 120 L.F. of outfall pipe. Cleaned out (2) catch basins. Jetted (1) crossline pipe and 90 L.F. of roadside pipe. Installed rip rap and hydroseeded for erosion control.

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

Material	Unit	Cost/Unit	Qty	Cost
18" HDPE Pipe	linear feet	\$8.71	120.0	\$1,045.20
Fill Dirt	tons	\$1.00	74.2	\$74.24
Rip Rap	tons	\$49.22	3.7	\$183.59
Filter Blanket	sy	\$0.63	6.9	\$4.37
Turf Staples	each	\$0.03	30.0	\$0.90
Silt Fence w/ Stakes	sy	\$0.49	1.9	\$0.95
Silt Fence	sy	\$0.24	11.7	\$2.80
10-10-10 Fertilizer	bag	\$14.55	0.5	\$7.28
Hydrogel	cup	\$2.82	0.5	\$1.41
Annual Rye Grass Seed	bag	\$29.35	0.5	\$14.68
Hydromulch	bale	\$16.75	1.0	\$16.75
Water	gallon	\$0.01	1,750	\$17.50
Debris Disposal	tons	\$16.00	6.7	\$107.20
Gas	gallon	\$1.45	13.0	\$18.85
Diesel	gallon	\$1.76	173.0	\$304.48
Labor	hours		203.0	\$7,163.82

**Total Cost of Materials, Rental Equip., and Labor** \$8,964.01

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

**Equipment Cost**

Item	Asset	Cost/Hour	Hrs.	Cost
Komastu Urban Excavator	19325	\$37.50	16.0	\$600.00
Bobcat T300	22847	\$20.10	6.0	\$120.60
Vacuum Truck	22812	\$20.30	2.0	\$40.60
Hydroseeder	18909	\$10.70	1.0	\$10.70
Dump Trucks		\$5.43	51.5	\$279.65
Pickup Trucks		\$16.68	46.5	\$775.62

**Total Equipment Cost** \$1,827.17

Cost/hour excludes fuel cost.

Total Cost: \$10,791.18

**Site Photographs**

Before



During



After





Project: Donaldson Drive

Activity: Ditch Maintenance

Project #: 2009-077












Township: Port Royal Island

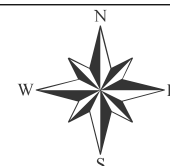
Completed: February 2009



### Legend

#### Drainage Type

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



0 37.5 75 150 225 300 Feet

1 inch equals 108.33 feet

Prepared By: BC Stormwater Management Utility  
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