



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

Project Summary: Pinewood Circle East/West and Joe Frazier Outfall

Project #: 2010-247

Completed: Jun-10

Narrative Description of Project:

Removed fallen trees and debris from outfall ditch and workshelf due to storm damage.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
Fill Dirt	ton	\$1.00	37.1	\$37.12
Recycled Concrete	ton	\$1.00	78.0	\$77.96
10-10-10 Fertilizer	bag	\$11.72	1.0	\$11.72
Hydrogel	cup	\$2.82	1.0	\$2.82
Hydomulch	bale	\$12.22	2.0	\$24.44
Hydromax Liquid Fertilizer	cup	\$2.54	1.0	\$2.54
Bermuda Grass Seed	bag	\$128.40	1.0	\$128.40
Turf Staples	each	\$0.03	50.0	\$1.50
Straw Mat	roll	\$26.75	1.0	\$26.75
Debris Disposal	ton	\$33.00	86.1	\$2,842.62
Water	gallon	\$0.01	500.0	\$5.00
Diesel	gallon	\$2.61	532.0	\$1,388.52
Gas	gallon	\$2.54	27.0	\$68.58
Labor	hours		454.0	\$16,022.44
Total Cost of Materials, Rental Equip., and Labor				\$20,640.41

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

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Volvo 330 Excavator	22993	\$65.72	16.5	\$1,084.38
CAT 325 Excavator	16649	\$22.51	21.0	\$472.71
JCB Urban Excavator	23364	\$40.53	3.0	\$121.59
JD Loader 444J	23271	\$29.75	4.0	\$119.00
JCB Backhoe	22810	\$36.50	2.0	\$73.00
Bobcat T320	23388	\$21.00	6.0	\$126.00
Lowboy	23118	\$34.64	4.5	\$155.88
Hydroseeder	18909	\$7.35	1.0	\$7.35
Dump Trucks		\$16.68	114.0	\$1,901.52
Pickup Trucks		\$4.17	132.5	\$552.53
Total Equipment Cost				\$4,613.96

Cost/hour excludes fuel cost. Total Cost: \$25,254.37

Site Photographs



Project: Pinewood Circle

Activity: Drainage Emergency












Project #: 2010-247

Township: Port Royal Island

Completed: June 2010

Legend

Drainage Type

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

Removed fallen trees and debris from outfall ditch and workshelf due to storm damage.

Removed fallen trees and debris from outfall ditch and workshelf due to storm damage.



1 inch equals 485 feet



Project: Joe Frazier Road Outfall

Activity: Drainage Maintenance

Project #: 2010-247

Township: Port Royal Island

Completed: June 2010

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



1 inch equals 74 feet