



Beaufort County Public Works

Stormwater Infrastructure

Project Summary

Project Summary: Halifax Drive				
Project #: 2010-089		Completed: Dec-09		
Narrative Description of Project: Installed twin access pipes. Replaced (2) access pipes to correct elevation. 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	\$11.51	40.0	\$460.40
18" RCP Pipe	linear feet	\$8.71	24.0	\$209.04
36" RCP Pipe	linear feet	\$26.41	48.0	\$1,267.68
Fill Dirt	ton	\$1.00	148.5	\$148.47
Rip Rap	ton	\$47.08	22.4	\$1,054.59
#57 Stone	ton	\$34.78	27.3	\$949.49
Silt Fence	sy	\$0.78	29.2	\$22.74
Filter Blanket Woven	sy	\$0.63	104.2	\$65.63
Turf Staples	each	\$0.03	95.0	\$2.85
10-10-10 Fertilizer	bag	\$11.72	0.5	\$5.86
Hydromulch	bale	\$12.22	1.0	\$12.22
Hydrogel	cup	\$2.82	0.5	\$1.41
Hydromax Liquid Fertilizer	cup	\$2.54	0.5	\$1.27
Annual Rye Grass Seed	bag	\$19.21	0.5	\$9.61
Water	gallon	\$0.01	250.0	\$2.50
4ft Flagger	each	\$0.34	4.0	\$1.36
Gas	gallon	\$2.40	72.0	\$172.80
Diesel	gallon	\$2.41	383.0	\$923.03
Labor	hours		373.5	\$12,596.36
Total Cost of Materials, Rental Equip., and Labor				\$17,907.31
Note: Labor cost includes the employee's salary plus fringe benefits.				
Equipment Cost				
Item	Asset No.	Cost/Hou	Hrs.	Cost
Volvo 290 Excavator	22870	\$49.56	10.0	\$495.60
Bobcat T300	22847	\$20.10	1.0	\$20.10
Bobcat T320	23388	\$21.00	8.0	\$168.00

Site Photographs

Before



During



After



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Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
JD Loader 444J	23271	\$29.75	18.0	\$535.50
Lowboy	23118	\$34.64	4.0	\$138.56
Hydroseeder	18909	\$7.35	2.5	\$18.38
Dump Trucks		\$16.68	84.0	\$1,401.12
Pickup Trucks		\$4.17	81.5	\$339.86
Total Equipment Cost				\$3,117.11

Cost/hour excludes fuel cost.

Total Cost: \$21,024.42

Site Photographs

Before



During



After





Project: Halifax Drive

Activity: Drainage Maintenance

Project #: 2010-089

Township: St. Helena Island

Completed: December 2009

Legend

Drainage Type

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

0 37.5 75 150 225 300 Feet

1 inch equals 105 feet