



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Halifax Road Phase III

Project #: 2009-164

Completed: Oct-09

Narrative Description of Project:

Project improved 640 L.F. of drainage system. Grubbed and cleaned out 600 L.F. of workshelf and outfall ditch. Installed twin flap gates, 40 L.F. of outfall pipe, (1) access pipe, (2) bleeder pipes and (1) access gate. Repaired washout. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
24" RCP Pipe	linear feet	\$17.86	24.0	\$428.64
24" HDPE Pipe	linear feet	\$13.89	40.0	\$555.60
36" Aluminum Pipe	linear feet	\$23.34	40.0	\$933.60
36" Flap Gate	each	\$2,665.64	2.0	\$5,331.28
Flap Gate Accessories				\$22.65
Fill Dirt	ton	\$1.00	190.9	\$190.89
Rip Rap	ton	\$47.08	29.8	\$1,403.93
#57 Stone	ton	\$37.29	13.7	\$509.01
Silt Fence	sy	\$0.78	5.8	\$4.55
Filter Blanket	sy	\$0.63	166.7	\$105.00
Turf Staples	each	\$0.03	260.0	\$7.80
10-10-10 Fertilizer	bag	\$12.83	3.0	\$38.49
Hydrogel	cup	\$2.82	3.0	\$8.46
Hydromulch	bale	\$12.22	6.0	\$73.32
Hydromax Liquid Fertilizer	cup	\$2.54	3.0	\$7.62
Brown Top Millett Grass Seed	bag	\$25.20	3.0	\$75.60
Water	gallon	\$0.01	1,500	\$15.00
Quikrete Concrete	bag	\$4.00	2.0	\$8.00
All Purpose Sand	bag	\$3.80	2.0	\$7.60
Pin Flag	each	\$0.06	6.0	\$0.36
16ft Gate	each	\$235.35	1.0	\$235.35
4x4 Post	each	\$6.27	2.0	\$12.54
Debris Disposal	ton	\$33.00	10.8	\$357.72
Gas	gallon	\$2.33	69.0	\$160.77
Diesel	gallon	\$2.37	429.0	\$1,016.73
Labor	hours		419.5	\$14,662.70
Total Cost of Materials, Rental Equip., and Labor				\$26,173.20

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

Site Photographs

Before



During



After



Halifax Road Phase III Project Summary Cont

Project #: 2009-164

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Volvo 290 Excavator	22870	\$49.56	24.0	\$1,189.44
Cat 325 Excavator	23125	\$22.51	1.0	\$22.51
John Deere Loader 444J	23271	\$29.75	4.0	\$119.00
Bobcat T300	22847	\$20.10	5.5	\$110.55
Hydroseeder	18909	\$7.35	6.0	\$44.10
Dump Trucks		\$16.68	77.5	\$1,292.70
Pickup Trucks		\$4.17	92.5	\$385.73
Total Equipment Cost				\$3,164.03

Cost/hour excludes fuel cost.

Total Cost: \$29,337.23

Site Photographs

Before



During



After



Project: Halifax Road Phase III

Activity: Drainage Maintenance














Project #: 2009-164

Township: St. Helena Island

Completed: October 2009

Legend

Drainage Type

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

Grubbed and cleaned out 600 LF of workshelf and outfall ditch. Hydroseeded for erosion control.

Installed (1) access pipe and (2) bleeder pipes.

Installed twin flap gates and 40 LF of outfall pipe. Repaired washout. Installed rip rap for erosion control.



1 inch equals 105.16 feet