



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Riley Road and Fair Road Phase III

Project #: 2011-194B

Completed: Apr-11

Narrative Description of Project:

Project improved 250 L.F. of drainage system. Installed 250 L.F. of outfall pipe. Installed straw mat, rip rap, handseeded and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" HDPE Pipe	linear feet	\$6.22	280.0	\$1,741.60
Fill Dirt	ton	\$1.00	159.1	\$159.10
Rip Rap	ton	\$47.38	3.8	\$177.68
Silt Fence	sy	\$0.78	31.1	\$24.27
Filter Blanket	sy	\$0.63	27.8	\$17.50
10-10-10 Fertilizer	bag	\$11.72	1.0	\$11.72
15-0-15 Fertilizer	bag	\$10.59	0.5	\$5.30
Hydrogel	cup	\$2.82	1.0	\$2.82
Hydromax Liquid Fertilizer	cup	\$2.54	1.0	\$2.54
Hydromulch	bale	\$12.22	2.0	\$24.44
Brown Top Millet Grass Seed	bag	\$21.40	0.5	\$10.70
Carolina Coastal Blend Grass Seed	bag	\$55.64	0.5	\$27.82
Water	gallon	\$0.01	1,000	\$10.00
Straw Mat	roll	\$45.48	0.3	\$11.37
Turf Staple	each	\$0.03	45.0	\$1.35
4ft Flagger	each	\$0.34	3.0	\$1.02
Diesel	gallon	\$3.40	77.3	\$262.82
Gas	gallon	\$3.22	16.5	\$53.13
Labor	hours		108.0	\$2,336.56
Indirect Labor, Services, and Supplies				\$1,591.99
Total Cost of Materials, Rental Equip., and Labor				\$6,473.71

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

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
JCB Urban Excavator	23364	\$31.45	4.0	\$125.80
CAT Dozer	23125	\$35.50	4.0	\$142.00
JD Loader 444J	23271	\$29.75	3.0	\$89.25

Site Photographs

Before



During



After



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Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
Bobcat T300	22847	\$20.10	5.0	\$100.50
Hydroseeder	23474	\$12.44	1.0	\$12.44
Dump Trucks		\$13.31	13.0	\$173.03
Pickup Trucks		\$4.12	33.0	\$135.96
Total Equipment Cost				\$778.98

Cost/hour excludes fuel cost.

Total Cost: \$7,252.69

Site Photographs

Before



After





Project: Riley Road
and Fair Road
Phase III

Activity: Drainage
Maintenance

Project #:
2011-194B

Township: Port
Royal Island

Completed:
April 2011

Legend

Drainage Type

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

Installed 250 LF of outfall pipe.
Installed straw mat, rip rap,
handseeded and hydroseeded
for erosion control..

0 25 50 100 150 200
Feet

1 inch = 70 feet

Prepared By: BC Stormwater Management Utility
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