



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

Project Summary: Windy Lakes Phase II/Sugaree Drive and Lotus Court

Project #: 2010-124 Completed: Jun-10

Narrative Description of Project:
Project improved 895 L.F. of drainage system. Removed 25 L.F. of debris from flowline. Grubbed and cleanout 158 L.F. of outfall ditch. Installed 500 L.F of outfall pipe. Jetted (2) crossline pipes and 212 L.F. of outfall pipe. Installed rip rap, sod, handseed and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
10" HDPE Pipe	linear feet	\$5.67	400.0	\$2,268.40
10" Coupling	each	\$6.73	6.0	\$40.38
24" RCP Pipe	linear feet	\$17.86	112.0	\$2,000.32
Fill Dirt	ton	\$1.00	238.6	\$238.61
Rip Rap	ton	\$47.08	22.4	\$1,052.94
#57 Rock	ton	\$47.00	6.8	\$320.78
FLBC	ton	\$26.55	13.4	\$356.83
Silt Fence	sy	\$0.78	77.8	\$60.67
Filter Blanket Woven	sy	\$0.63	97.2	\$61.25
Turf Staples	each	\$0.03	93.0	\$2.79
10-10-10 Fertilizer	bag	\$11.72	1.0	\$11.72
Hydromulch	bale	\$12.22	2.0	\$24.44
Hydromax Liquid Fertilizer	cup	\$2.54	1.0	\$2.54
Hydrogel	cup	\$2.82	1.0	\$2.82
Bermuda Grass Seed	bag	\$128.40	1.0	\$128.40
Brown Top Millet Seed	bag	\$21.40	1.0	\$21.40
Centipede Sod	pallet	\$105.31	8.0	\$842.50
Water	gallon	\$0.01	4,000	\$40.00
Sediment Log	roll	\$29.96	1.0	\$29.96
4ft Flagger	each	\$0.34	3.0	\$1.02
Debris Disposal	ton	\$16.00	37.9	\$607.04
Gas	gallon	\$2.39	163.0	\$389.57
Diesel	gallon	\$2.35	646.0	\$1,518.10
Labor	hours		764.5	\$26,359.73
Total Cost of Materials, Rental Equip., and Labor				\$36,382.21

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

Site Photographs

Before



During



After



Windy Lakes Phase II Project Summary Con't

Project #: 2010-124

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	11.0	\$205.15
JCB Urban Excavator	23364	\$40.53	16.0	\$648.48
JD Loader 444J	23271	\$29.75	9.0	\$267.75
Bobcat T300	22847	\$20.10	11.0	\$221.10
Bobcat T320	23388	\$21.00	17.0	\$357.00
Vacuum Truck	22812	\$20.30	10.0	\$203.00
Hydroseeder	18909	\$7.35	2.0	\$14.70
Dump Trucks		\$16.68	119.0	\$1,984.92
Pickup Trucks		\$4.17	230.0	\$959.10
Total Equipment Cost				\$4,861.20

Cost/hour excludes fuel cost.

Total Cost: \$41,243.41

Site Photographs

Before



During



After





Project: Sugaree Drive - Windy Lakes Phase II

Activity: Drainage Maintenance

Project #: 2010-124

Township: Bluffton

Completed: June 2010



Legend

Drainage Type

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



1 inch = 72 feet

Project: Lotus
Court - Windy
Lakes Phase II

Activity: Drainage
Maintenance












Project #:
2010-124

Township:
Bluffton

Completed:
June 2010

Legend

Drainage Type

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



1 inch = 72 feet

Prepared By: BC Stormwater Management Utility

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