



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Royal Pines Subdivision Phase I

Project #: 2009-116 Completed: Apr-09

Narrative Description of Project:
Project improved 710 L.F of outfall ditch. Bush hogged 450 L.F. of outfall ditch and worksheff. Installed 260 L.F. of outfall pipe and (2) access pipes. Extended (1) driveway pipe. Repaired (2) washouts. Installed sod, rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" RCP Pipe	linear feet	\$10.35	4.0	\$41.40
18" RCP Pipe	linear feet	\$12.41	16.0	\$198.56
18" HDPE Pipe	linear feet	\$8.71	260.0	\$2,264.60
24" HDPE Pipe	linear feet	\$13.89	30.0	\$416.70
PVC Accessories				\$9.44
Fill Dirt	ton	\$1.00	270.4	\$270.43
Rip Rap	ton	\$47.62	22.4	\$1,065.26
FLBC	ton	\$26.62	13.4	\$357.77
Silt Fence	sy	\$0.78	27.2	\$21.23
Filter Blanket Woven	sy	\$0.63	97.2	\$61.25
Turf Staples	each	\$0.03	130.0	\$3.90
10-10-10 Fertilizer	bag	\$12.83	1.0	\$12.83
Hydromulch	bales	\$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	\$125.72	0.5	\$62.86
Centipede Sod	pallet	\$70.00	9.0	\$630.00
4ft Flagger	each	\$0.34	6.0	\$2.04
Debris Disposal	ton	\$33.00	4.5	\$148.50
Excavator Rental				\$652.72
Water	gallon	\$0.01	500.0	\$5.00
Gas	gallon	\$1.84	117.5	\$216.20
Diesel	gallon	\$1.87	521.0	\$974.27
Labor	hours		713.5	\$24,261.36
Total Cost of Materials, Rental Equip., and Labor				\$31,706.13

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

Site Photographs

Before



During



After



Royal Pines Subdivision Phase I Project Summary Cont

Project #: 2009-116

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	4.0	\$74.60
Bobcat T300	22847	\$20.10	35.5	\$713.55
JD Loader 444J	23271	\$29.75	7.0	\$208.25
Bush Hog	22822	\$38.64	3.0	\$115.92
Hydroseeder	18909	\$7.35	2.0	\$14.70
Chipper	19411	\$7.64	14.0	\$106.96
Dump Trucks		\$16.68	138.5	\$2,310.18
Pickup Trucks		\$4.17	229.0	\$954.93
Total Equipment Cost				\$4,499.09

Cost/hour excludes fuel cost.

Total Cost: \$36,205.22

Site Photographs

During



During



After



Project: Royal Pines
Subdivision Ph I

Activity: Drainage
Maintenance













Project #:
2009-116

Township: Lady's
Island

Completed:
April 2009

Legend

Drainage Type

-  Rivers
-  Streams
-  Outfall Ditch
-  Lateral
-  Roadside
-  Roadside Pipe
-  Crossline
-  Driveway
-  Access Pipe
-  Piped Ditch
-  Bleeder Ditch
-  Parcels



1 inch equals 727 feet