



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Colonial Heights - Phase III

Project #: 2011-047B

Completed: Feb-11

Narrative Description of Project:

Project improved 1,992 L.F. of drainage system. Grubbed and cleared 1,992 L.F. of outfall ditch and workshelf for pipe installation.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
Fill Dirt	ton	\$1.00	275.7	\$275.73
10-10-10 Fertilizer	bag	\$11.72	1.0	\$11.72
Annual Rye Grass Seed	bag	\$24.61	1.5	\$36.92
Marking Paint	can	\$4.44	1.0	\$4.44
Pin Flag	each	\$0.06	19.0	\$1.14
Flagging Tape	liner feet	\$1.55	0.4	\$0.54
Caution Tape	roll	\$14.55	1.0	\$14.55
4ft Flagger	each	\$0.34	16.0	\$5.44
Sediment Log	each	\$29.96	2.0	\$59.92
Debris Disposal	ton	\$17.00	302.2	\$5,137.91
Tree Removal Service				\$2,000.00
Gas	gallon	\$2.95	99.2	\$292.64
Diesel	gallon	\$2.81	925.5	\$2,600.66
Labor	hours		979.5	\$21,167.73
Indirect Labor, Services, and Supplies				\$14,447.18
Total Cost of Materials, Rental Equip., and Labor				\$46,056.51

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

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
Volvo 290 Excavator	22870	\$54.13	20.5	\$1,109.67
JCB Urban Excavator	23364	\$31.45	49.0	\$1,541.05
CAT Dozer	23125	\$35.50	10.0	\$355.00
JD Loader 444J	23271	\$29.75	4.0	\$119.00
Bobcat T320	23388	\$21.00	56.0	\$1,176.00
Lowboy	23118	\$34.64	4.0	\$138.56
Lowboy	23114	\$34.64	69.0	\$2,390.16
Chipper	19411	\$7.64	8.0	\$61.12

Site Photographs

Before



During



After



Colonial Heights - Phase III Project Summary Con't

Project #: 2011-047B

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
Dump Trucks		\$13.31	99.5	\$1,324.35
Pickup Trucks		\$4.12	265.0	\$1,091.80
Total Equipment Cost				\$9,306.70

Cost/hour excludes fuel cost.

Total Cost: \$55,363.21

Site Photographs

Project: Colonial Heights Phase III

Activity: Drainage Maintenance














Project #:
2011-047B

Township: Port Royal Island

Completed:
February 2011

Legend

Drainage Type

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

Grub and cleared 1,992 LF of outfall ditch and workshelf for pipe installation.

0 80 160 320 480 640 Feet

1 inch = 247 feet

Prepared By: BC Stormwater Management Utility

Date Print: 3/16/11

File: C:/sethdata/projects/projectmaps/Colonial Heights PhIII 2011-047B