



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Nathan Pope Road Outfall

Project #: 2007-012 Completed: Feb-10

Narrative Description of Project:
Project improved 4,514 L.F. of drainage system. Bush hogged 4,514 L.F. of outfall ditch. Cleaned out 3,350 L.F. of outfall ditch. Cleaned out existing swales by hand. Installed (1) access pipe.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
18" HDPE Pipe	linear feet	\$8.71	40.0	\$348.40
Fill Dirt	ton	\$1.00	10.6	\$10.61
Silt Fence	sy	\$0.78	1.9	\$1.51
Marking Paint	can	\$4.01	1.0	\$4.01
Pin Flag	each	\$0.06	31.0	\$1.86
Gas	gallon	\$2.40	85.0	\$204.00
Diesel	gallon	\$2.41	250.0	\$602.50
Labor	hours		364.0	\$12,449.15
Total Cost of Materials, Rental Equip., and Labor				\$13,622.04

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

Equipment Cost

Item	Asset	Cost/Hour	Hrs.	Cost
Cat 325 Excavator	16649	\$22.51	13.5	\$303.89
JCB Urban Excavator	23364	\$40.53	8.0	\$324.24
JD Loader 444J	23271	\$29.75	0.5	\$14.88
Bobcat T320	23388	\$21.00	1.0	\$21.00
Bush Hog	23362	\$42.37	13.0	\$550.81
Lowboy	23118	\$34.64	3.0	\$37.64
Dump Trucks		\$16.68	50.0	\$66.68
Pickup Trucks		\$4.17	109.0	\$113.17
Total Equipment Cost				\$1,432.30

Cost/hour excludes fuel cost.

Total Cost: \$15,054.34

Site Photographs

Before



During



After



Project: Nathan
Pope Road
Outfall

Activity: Drainage
Maintenance














Project #:
2007-012

Township: St.
Helena Island

Completed:
February 2010

Legend

Drainage Type

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

Bush hogged and
cleaned out 1,835
LF of outfall ditch.

Bush hogged and cleaned
out 1,515 LF of outfall ditch.

Hand cleaned
swales.

Bush hogged 1,164
LF of outfall ditch.

Installed (1)
access pipe.



0 90 180 360 540 720
Feet

1 inch equals 346 feet