



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

Project Summary: Faculty Drive and Alumni Road

Project #: 2011-561 Completed: Nov-10

Narrative Description of Project:

Project improved 3,036 L.F. of drainage system. Cleaned out 1,940 L.F. of outfall ditch and 730 L.F. of roadside ditch. Installed (1) access gate. Repaired washout. Cleaned out (3) catch basins. Jetted (1) crossline pipe, 16 L.F. of outfall pipe and 350 L.F. of roadside pipe.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
Water	gallon	\$0.01	2,550	\$25.50
Pin Flag	each	\$0.06	46.0	\$2.76
Quikrete Concrete	bag	\$3.19	2.0	\$6.38
4x4x6 Post	each	\$6.27	2.0	\$12.54
Access Gate	each	\$138.03	1.0	\$138.03
Diesel	gallon	\$2.63	175.5	\$461.57
Gas	gallon	\$2.50	86.0	\$215.00
Labor	hours		262.5	\$5,769.27
Indirect Labor, Services, and Supplies				\$4,008.08
Total Cost of Materials, Rental Equip., and Labor				\$10,639.13

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

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$14.90	12.5	\$186.25
JCB Urban Excavator	23364	\$31.45	7.0	\$220.15
Bobcat T320	23388	\$21.00	1.0	\$21.00
Vacuum Truck	22812	\$22.16	20.0	\$443.20
Dump Trucks		\$13.31	56.0	\$745.36
Pickup Trucks		\$4.12	55.5	\$228.66
Total Equipment Cost				\$1,844.62

Cost/hour excludes fuel cost.

Total Cost: \$12,483.75

Site Photographs

Before



During



After



Project: Faculty Drive and Alumni Road

Activity: Drainage Maintenance














Project #: 2011-561

Township: Lady's Island

Completed: November 2010

Legend

Drainage Type

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

Jetted 350 LF of roadside pipe. Cleaned out (1) catch basin.

Jetted 16 LF of outfall pipe and (1) crossline pipe. Cleaned out (2) catch basins.

Cleaned out 400 LF of roadside ditch.

Repaired washout.

Cleaned out 330 LF of roadside ditch.

Cleaned out 640 LF of outfall ditch.

Cleaned out 1,300 LF of outfall ditch.

0 95 190 380 570 760 Feet

1 inch = 313 feet

Prepared By: BC Stormwater Management Utility

Date Print: 3/16/11

File: C:/sethdata/projects/projectmaps/Faculty Dr 2011-561