



## Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Adams Circle

Project #: 2009-109

Completed: Mar-09

### Narrative Description of Project:

Grubbed and cleared 200 L.F. of workshelf and outfall ditch. Installed (1) catch basin, 140 L.F. outfall pipe, (1) access pipe and 20 L.F. of roadside pipe. Installed rip rap and hydroseeded for erosion control.

### Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" HDPE Pipe	linear feet	\$6.22	60.0	\$373.20
36" HDPE Pipe	linear feet	\$26.41	140.0	\$3,697.40
6x6x6 Catch Basin	each	\$1,133.70	1.0	\$1,133.70
Fill Dirt	ton	\$1.00	498.4	\$498.44
Rip Rap	ton	\$47.62	14.91	\$710.01
#57 Stone	ton	\$37.29	23.9	\$890.86
Type "S" Cement	bag	\$9.35	6.0	\$56.10
Concrete Brick	each	\$0.31	180.0	\$55.80
All Purpose Sand	bag	\$3.80	12.0	\$45.60
Silt Fence w/ Stakes	sy	\$0.49	7.8	\$3.81
Silt Fence	sy	\$0.78	44.7	\$34.88
Turf Staples	each	\$0.03	25.0	\$0.75
10-10-10 Fertilizer	bag	\$12.83	2.0	\$25.66
Hydromax Liquid Fertilizer	cup	\$12.22	2.0	\$24.44
Hydromulch	bale	\$2.54	4.0	\$10.16
Hydrogel	cup	\$2.82	2.0	\$5.64
Annual Rye Grass Seed	bag	\$26.22	2.0	\$52.44
4ft Flagger	each	\$0.34	12.0	\$4.08
Caution Tape	roll	\$0.45	150.0	\$67.50
Water	gallon	\$1.00	1,000	\$1,000.00
Debris Disposal	ton	\$16.00	4.7	\$74.88
Diesel	gallon	\$1.66	392.0	\$650.72
Gas	gallon	\$1.81	80.0	\$144.80
Labor	hours		585.5	\$20,686.28
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$30,247.16</b>

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

### Site Photographs

Before



During



After



## Adams Circle Project Summary Con't

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### Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Volvo 290 Excavator	22870	\$49.56	26.0	\$1,288.56
Bobcat T200	22782	\$17.40	9.0	\$156.60
Bobcat T300	22847	\$20.10	9.0	\$180.90
JD 444J Loader	23271	\$29.75	3.0	\$89.25
Hydroseeder	18909	\$10.70	3.0	\$32.10
Lowboy	23214	\$34.64	3.0	\$103.92
Dump Trucks		\$16.68	102.5	\$1,709.70
Pickup Trucks		\$5.43	220.0	\$1,194.60
<b>Total Equipment Cost</b>				<b>\$4,755.63</b>

Cost/hour excludes fuel cost.

Total Cost: \$35,002.79

## Site Photographs

Before



During



After







Project: Adams Circle

Activity: Drainage Improvement













Project #:2009-109

Township: Port Royal Island

Completed: February 2009

### Legend

#### Drainage Type

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

0 20 40 80 120 160 Feet

1 inch equals 66.68 feet

Prepared By: BC Stormwater Management Utility

Date Print: 8/25/09

File: C:/sethdata/projects/projectmaps/Adams Cir\_2009\_109