



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Coakley Drive

Project #: 2010-023 Completed: Sep-09

Narrative Description of Project:
 This project improved 584 L.F. of drainage system. Grubbed, cleared and reconstructed 253 L.F. of outfall ditch. Cleaned 331 L.F. of outfall ditch. Installed (3) access pipes. Installed 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	\$10.38	24.0	\$249.12
18" HDPE Pipe	linear feet	\$8.71	80.0	\$696.80
Fill Dirt	ton	\$1.00	18.7	\$18.65
Rip Rap	ton	\$47.62	7.5	\$355.01
Silt Fence	sy	\$0.78	8.9	\$6.97
Filter Blanket Woven	sy	\$0.63	83.3	\$52.50
Turf Staples	each	\$0.06	110.0	\$6.60
10-10-10 Fertilizer	bag	\$12.83	2.0	\$25.66
Hydromulch	bale	\$12.22	4.0	\$48.88
Hydromax Liquid Fertilizer	cup	\$2.54	2.0	\$5.08
Hydrogel	cup	\$2.82	2.0	\$5.64
Annual Rye Grass Seed	bag	\$26.22	2.0	\$52.44
Pin Flag	roll	\$0.06	4.0	\$0.24
4ft Flagger	each	\$0.34	4.0	\$1.36
Debris Disposal	ton	\$16.00	44.6	\$713.28
Water	gallon	\$0.01	1,000	\$10.00
Gas	gallon	\$2.24	100.5	\$225.12
Diesel	gallon	\$2.20	410.0	\$902.00
Labor	hours		537.0	\$17,855.05
Total Cost of Materials, Rental Equip., and Labor				\$21,230.40

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

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	51.0	\$951.15
JCB Urban Excavator	23364	\$40.53	32.0	\$1,296.96
Bobcat T300	22847	\$20.10	5.0	\$100.50

Site Photographs

Before



During



After



Coakley Drive Project Summary Cont

Project #: 2010-023

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Hydroseeder	18909	\$7.35	3.5	\$25.73
Dump Trucks		\$16.68	82.0	\$1,367.76
Pickup Trucks		\$4.17	149.0	\$621.33
Total Equipment Cost				\$4,363.43

Cost/hour excludes fuel cost.

Total Cost: \$25,593.82

Site Photographs

Before



During



After



Project: Coakley Drive

Activity: Ditch Maintenance

Project #: 2010-023

Township: Sheldon

Completed: September 2009



0 35 70 140 210 280 Feet

1 inch equals 96.16 feet

Prepared By: BC Stormwater Management Utility

Date Print: 2/4/10

File: C:/sethdata/projects/projectmaps/Coakley Rd 2010-023