



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Mink Point Subdivision Outfall

Project #: 2010-229 Completed: Apr-10

Narrative Description of Project:
 Project improved 334 L.F. of drainage system. Bush hogged 200 L.F. of workshelf. Cleaned out 300 L.F. of outfall ditch. Replaced 34 L.F. of outfall pipe. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
48" HDPE Pipe	linear feet	\$43.04	20.0	\$860.80
Fill Dirt	ton	\$1.00	21.2	\$21.21
Rip Rap	ton	\$47.08	7.5	\$351.22
#57 Stone	ton	\$36.09	13.7	\$492.63
Silt Fence	sy	\$0.78	11.7	\$9.10
Turf Staples	each	\$0.03	50.0	\$1.50
10-10-10 Fertilizer	bag	\$11.72	1.0	\$11.72
Hydrogel	cup	\$2.82	1.0	\$2.82
Hydromax Liquid Fertilizer	cup	\$2.54	1.0	\$2.54
Hydromulch	bale	\$12.22	2.0	\$24.44
Brown Top Millet Grass Seed	bag	\$25.20	1.0	\$25.20
Caution Tape	roll	\$14.55	0.3	\$3.64
Water	gallon	\$0.01	1,000	\$10.00
Diesel	gallon	\$2.70	77.0	\$207.90
Gas	gallon	\$2.67	31.0	\$82.77
Labor	hours		182.5	\$6,441.71

Total Cost of Materials, Rental Equip., and Labor \$8,549.20

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

Equipment Cost

Item	Asset	Cost/Hour	Hrs.	Cost
JCB Urban Excavator	23364	\$40.53	8.0	\$324.24
JD Loader 444J	23271	\$29.75	2.0	\$59.50
Bobcat T320	23388	\$21.00	16.0	\$336.00
Hydroseeder	18909	\$7.35	2.0	\$14.70
Dump Trucks		\$16.68	24.0	\$400.32
Pickup Trucks		\$4.17	57.0	\$237.69

Total Equipment Cost \$1,372.45

Cost/hour excludes fuel cost.

Total Cost: \$9,921.65

Site Photographs

Before



During



After



Project: Mink Point Subdivision Outfall

Activity: Drainage Maintenance














Project #: 2010-229

Township: Port Royal Island

Completed: April 2010

Legend

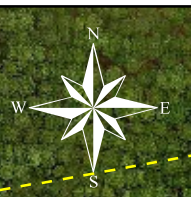
Drainage Type

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

Replaced 34 LF of outfall pipe.
Installed rip rap and hydroseeded
for erosion control.

Cleaned out 100
LF of outfall ditch.

Bush hogged and cleaned
out 200 LF of outfall ditch.



1 inch equals 113 feet

Prepared By: BC Stormwater Management Utility

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File: C:/sethdata/projects/projectmaps/Mink Pt SD Outfall 2010-2229