



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

Project Summary: Pine Needle Court

Project #: 2011-035

Completed: Feb-11

**Narrative Description of Project:**

Project improved 180 L.F. of drainage system. Removed blockage from flowline by hand. Installed (1) catch basin and 180 L.F. of outfall pipe. Installed rip rap, sod and hydroseeded for erosion control.

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

Material	Unit	Cost/Unit	Qty	Cost
3x3x4 Catch Basin	each	\$573.52	1.0	\$573.52
15" HDPE Pipe	linear feet	\$6.22	180.0	\$1,119.60
15" HDPE Coupling	each	\$14.98	2.0	\$29.96
15" 45 Degree Elbow	each	\$83.14	1.0	\$83.14
4x14 Sewer Pipe	each	\$18.71	1.0	\$18.71
4" PVC Coupling	each	\$15.35	1.0	\$15.35
4" PVC Sewer Pipe	each	\$36.23	1.0	\$36.23
4" PVC 45 Degree Elbow	each	\$16.03	1.0	\$16.03
Raptor Diamond File	each	\$2.01	14.0	\$28.14
Rip Rap	ton	\$47.38	3.7	\$176.73
Silt Fence	sy	\$0.78	19.4	\$15.16
Filter Blanket	sy	\$0.63	13.9	\$8.75
Turf Staple	each	\$0.03	20.0	\$0.60
Type "S" Cement	bag	\$7.76	2.0	\$15.52
All Purpose Sand	bag	\$3.80	4.0	\$15.20
10-10-10 Fertilizer	bag	\$11.72	0.5	\$5.86
Hydrogel	cup	\$2.82	0.5	\$1.41
Hydromulch	bale	\$12.22	1.0	\$12.22
Hydromax Liquid Fertilizer	cup	\$2.54	0.5	\$1.27
Centipede Sod	pallet	\$112.86	3.5	\$395.00
Water	gallon	\$0.01	1,500	\$15.00
4ft Flagger	each	\$0.34	4.0	\$1.36
Caution Tape	roll	\$14.55	0.3	\$3.64
Debris Disposal	ton	\$33.00	3.0	\$97.68
Tree Removal Service				\$300.00
Diesel	gallon	\$2.70	124.0	\$334.80
Gas	gallon	\$2.40	48.5	\$116.40
Labor	hours		227.0	\$5,051.65
Indirect Labor, Services, and Supplies				\$3,510.65
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$11,999.58</b>

**Site Photographs**

Before



During



After



**Pine Needle Court Project Summary Con't**

Project #: 2011-035

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

**Equipment Cost**

Item	Asset No.	Cost/Hour	Hrs.	Cost
Volvo 330 Excavator	22993	\$59.32	1.0	\$59.32
JCB Urban Excavator	23364	\$31.45	8.0	\$251.60
JD Loader 444J	23271	\$29.75	1.0	\$310.92
Bobcat T300	22847	\$20.10	2.0	\$562.52
Hydroseeder	23474	\$12.44	4.0	\$873.44
Dump Trucks		\$13.31	26.5	\$352.72
Pickup Trucks		\$4.12	64.0	\$263.68
<b>Total Equipment Cost</b>				<b>\$2,674.20</b>

Cost/hour excludes fuel cost.

Total Cost: \$14,673.77

**Site Photographs**

Before



During



After





Project: Pine  
Needle Court

Activity: Drainage  
Maintenance














Project #:  
2011-035

Township:  
Bluffton

Completed:  
February 2011

### Legend

#### Drainage Type

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

Installed 180 LF of outfall pipe and (1) catch basin. Installed rip rap, sod and hydroseeded for erosion control.

Removed blockage from flowline by hand.

0 25 50 100 150 200 Feet

1 inch = 69 feet

Prepared By: BC Stormwater Management Utility

Date Print: 3/16/11

File: C:/sethdata/projects/projectmaps/Pine Needle Ct 2011-035