



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

Project Summary: CoB - Waters Edge West

Project #: 2009-111                      Completed: Apr-09

Narrative Description of Project:  
 Hand cleared perimeter of pond. Installed 40 L.F. of outfall pipe and (1) catch basin. Reinstalled 8 L.F. of outfall pipe and reconstructed pond. Installed rip rap, straw mat, sod , and hydroseeded for erosion control.

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

Material	Unit	Cost/Unit	Qty	Cost
18" HDPE Pipe	linear feet	\$8.71	40.0	\$348.40
3x3 Catch Basin	linear feet	\$667.04	1.0	\$667.04
Fill Dirt	tons	\$1.00	129.9	\$129.91
Rip Rap	tons	\$49.22	3.7	\$183.59
Silt Fence	sy	\$0.49	7.8	\$3.81
Silt Fence w/ Stakes	sy	\$0.78	3.9	\$3.03
Filter Blanket	sy	\$0.48	27.8	\$13.33
Turf Staples	each	\$0.03	60.0	\$1.80
Concrete Bricks	each	\$0.33	10.0	\$3.30
Type "S" Cement	bag	\$9.35	3.0	\$28.05
PVC Accessories				\$98.62
All Purpose Sand	bag	\$3.80	3.0	\$11.40
10-10-10 Fertilizer	bag	\$12.83	2.0	\$25.66
Hydrogel	cup	\$2.82	2.0	\$5.64
Hydromulch	bale	\$2.54	4.0	\$10.16
Hydromax Liquid Fertilizer	cup	\$2.54	2.0	\$5.08
Pennington Green Seed	bag	\$112.35	2.0	\$224.70
Water	gallon	\$0.01	1,000	\$10.00
Centipede Sod	pallet	\$76.25	4.0	\$305.00
Centipede Sod	pallet		2.0	No Charge
Straw Mat	roll	\$45.48	3.5	\$159.18
4ft Flagger	each	\$0.06	4.0	\$0.24
Flagging Tape	roll	\$1.34	1.0	\$1.34
Cutting and Coring Service				\$700.00
Lawn Roller Rental				\$47.08
Gas	gallon	\$1.84	62.0	\$114.08
Diesel	gallon	\$1.87	165.0	\$308.55

**Site Photographs**

Before



During



After



**CoB - Waters Edge West Project Summary Con't**

Project #: 2009-111

Material Cost, Rental Equipment Summary, and Labor				
Labor			378.0	\$13,206.65
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>16,615.66</b>

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	8.0	\$149.20
Bobcat T300	22847	\$20.10	13.0	\$261.30
John Deere Loader 444J	23271	\$29.75	2.0	\$59.50
Hydroseeder	18909	\$10.70	1.0	\$10.70
Dump Trucks		\$16.68	51.0	\$850.68
Pickup Trucks		\$5.43	112.5	\$610.88
<b>Total Equipment Cost</b>				<b>\$1,942.26</b>

Cost/hour excludes fuel cost.

Total Cost: 18,557.91

**Site Photographs**

Before



During



After





Project: CoB-  
Waters Edge West  
(Reimbursement)

Activity: Ditch  
Maintenance

Project #:  
2009-111

Township: City  
of Beaufort

Completed:  
April 2009

Installed rip rap for erosion control.

Reconstructed perimeter of pond. Installed rip rap, straw mat, sod and hydroseeded for erosion control.

Installed (1) catch basin and 40 L.F. of outfall pipe.

Reinstalled 8 L.F. of outfall pipe and installed rip rap for erosion control.












WATERS EDGE CT W

BECKLEY ST

LINTON LN

### Legend

#### Drainage Type

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



1 inch equals 80.94 feet

Prepared By: BC Stormwater Management Utility

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