



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

Project Summary: Burton Wells Park Outfall Ph II

Project #: 2010-119                      Completed: Jun-10

Narrative Description of Project:  
 Project improved 1,025 L.F. of drainage system. Grubbed, cleared and constructed 200 L.F. of outfall ditch and workshelf. Cleaned out 75 L.F. of outfall ditch. Installed (9) catch basins and 750 L.F. of outfall pipe. Repaired walkway. Installed rip rap, sod and hydroseeded for erosion control.

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

Material	Unit	Cost/Unit	Qty	Cost
15" HDPE Perforated Pipe	linear feet	\$9.35	700.0	\$6,545.00
15" HDPE Pipe	linear feet	\$6.22	60.0	\$373.20
15" HDPE End Cap	each	\$58.17	1.0	\$58.17
15" Split Coupling	each	\$22.19	1.0	\$22.19
15" HDPE Flare End Section	each	\$176.87	1.0	\$176.87
18" Round Drain Basin	each	\$797.15	9.0	\$7,174.35
PVC Accessories				\$60.82
Fill Dirt	ton	\$1.00	114.0	\$114.00
Rip Rap	ton	\$47.08	14.9	\$701.96
#57 Stone	ton	\$34.78	136.5	\$4,747.47
Recycled Concrete	ton	\$1.00	148.8	\$148.84
Concrete	cy	\$172.81	2.0	\$345.62
Hydraulic Cement	bucket	\$45.21	0.3	\$11.30
Silt Fence	sy	\$0.78	355.8	\$277.52
Filter Blanket Woven	sy	\$0.63	111.1	\$70.00
Turf Staples	each	\$0.03	77.0	\$2.31
10-10-10 Fertilizer	bag	\$11.72	4.5	\$52.74
Hydromulch	bale	\$12.22	9.0	\$109.98
Hydromax Liquid Fertilizer	cup	\$2.54	4.5	\$11.43
Hydrogel	cup	\$2.82	4.5	\$12.69
Bermuda Grass Seed	bag	\$128.40	4.5	\$577.80
Centipede Sod	pallet	\$110.00	5.0	\$550.00
419 Bermuda Sod	pallet	\$61.25	36.0	\$2,205.00
Water	gallon	\$0.01	6,350	\$63.50
Sediment Log	roll	\$32.10	3.0	\$96.30
4ft Flagger	each	\$0.34	33.0	\$11.22
Flagging Tape	roll	\$1.55	0.1	\$0.22
Orange Safety Fencing	roll	\$29.96	0.5	\$14.98

**Site Photographs**

Before



During



After



**Burton Wells Ball Park Ph II Project Summary Con't**

Project #: 2010-119

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

Material	Unit	Cost/Unit	Qty	Cost
Marking Paint	can	\$4.44	5.0	\$22.20
Debris Disposal	ton	\$16.00	20.7	\$330.88
Debris Disposal	ton	\$33.00	1.95	\$64.35
Lawn Roller Rental				\$51.92
Gas	gallon	\$2.39	243.5	\$581.97
Diesel	gallon	\$2.35	943.5	\$2,217.23
Labor	hours		1871.5	\$66,790.93
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$94,594.95</b>

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

**Equipment Cost**

Item	Asset No.	Cost/Hour	Hrs.	Cost
Volvo 330 Excavator	22993	\$65.72	7.5	\$492.90
JCB Urban Excavator	23364	\$40.53	59.0	\$2,391.27
CAT Dozer	23125	\$35.50	9.0	\$319.50
JD Loader 444J	23271	\$29.75	11.5	\$342.13
JCB Backhoe	22810	\$36.50	25.0	\$912.50
Bobcat T300	22847	\$20.10	39.5	\$793.95
Bobcat T320	23388	\$21.00	46.0	\$966.00
Vacuum Truck	22812	\$20.30	8.0	\$162.40
Hydroseeder	18909	\$7.35	6.0	\$44.10
JD Motorgrader	20300	\$49.90	4.0	\$199.60
Dump Trucks		\$16.68	167.0	\$2,785.56
Pickup Trucks		\$4.17	669.0	\$2,789.73
<b>Total Equipment Cost</b>				<b>\$12,199.64</b>

Cost/hour excludes fuel cost.

Total Cost: \$106,794.59

**Site Photographs**

Before



During



After



Project: Burton Wells Park Outfall Phase II

Activity: Drainage Maintenance

Project #: 2010-119

Township: Port Royal Island

Completed: June 2010



Installed (9) catch basins.

Cleaned out 75 LF of outfall ditch.

Grubbed, cleared and constructed 200 LF of outfall ditch.

Installed 750 LF of outfall pipe. Installed rip rap, sod and hydroseeded for erosion control.

**Legend**

**Drainage Type**

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



1 inch equals 135 feet