



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: CoB - Battery Shores Phase I & II

Project #: 2009-110

Completed: May-09

Narrative Description of Project:

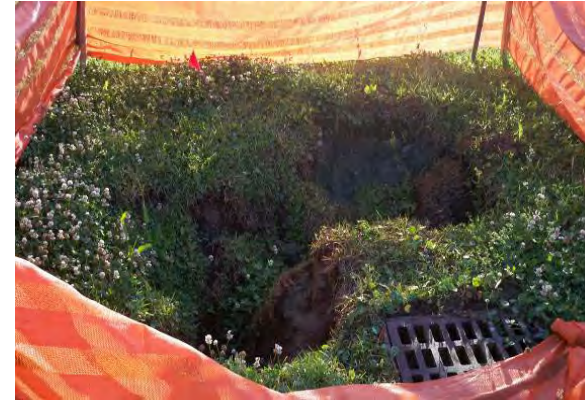
Project improved 260 L.F. of outfall ditch and a pond. Reconstructed Pond. Upsized (1) crossline pipe and installed (1) catch basin. Upsized 180 L.F. of outfall pipe and extended 40 L.F. of outfall pipe. Installed sod, straw mat, rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

| Material | Unit | Cost/Unit | Qty | Cost |
|----------------------------|-------------|-----------|-------|------------|
| 24"RCP Pipe | linear feet | \$16.42 | 40.0 | \$656.80 |
| 36" RCP Pipe | linear feet | | 40.0 | No Charge |
| 36" HDPE Pipe | linear feet | \$26.41 | 180.0 | \$4,753.80 |
| 5x5 Catch Basin | each | | 1.0 | No Charge |
| 5x5 Catch Basin Top | each | \$470.80 | 1.0 | \$470.80 |
| PVC Accessories | | | 1.0 | \$27.75 |
| Rip Rap | ton | \$47.62 | 41.0 | \$1,952.42 |
| #57 Stone | ton | | 53.8 | No Charge |
| Asphalt | ton | \$79.92 | 8.1 | \$649.75 |
| Tack | gallon | \$5.40 | 5.0 | \$27.00 |
| Flowable Fill | cy | \$81.32 | 27.0 | \$2,195.64 |
| Silt Fence | sy | \$0.78 | 64.9 | \$50.65 |
| Silt Fence w/ Stakes | sy | \$0.49 | 3.9 | \$1.91 |
| Filter Blanket Woven | sy | \$0.63 | 90.3 | \$56.88 |
| Turf Staples | each | \$0.03 | 65.0 | \$1.95 |
| Masonry Cement | bag | \$6.55 | 8.0 | \$52.40 |
| Concrete Brick | each | \$0.31 | 20.0 | \$6.20 |
| All Purpose Sand | bag | \$3.80 | 5.0 | \$19.00 |
| 10-10-10 Fertilizer | bag | \$14.55 | 3.0 | \$43.65 |
| Hydromulch | bale | \$16.75 | 6.0 | \$100.50 |
| Hydrogel | cup | \$2.82 | 3.0 | \$8.46 |
| Hydromax Liquid Fertilizer | cup | \$2.93 | 3.0 | \$8.79 |
| Bermuda Grass Seed | bag | \$125.00 | 3.0 | \$375.00 |
| Pennington Grass Seed | bag | \$112.35 | 1.5 | \$168.53 |
| Sediment Log | roll | \$42.80 | 1.0 | \$42.80 |
| Straw Mat | roll | \$45.48 | 4.0 | \$181.92 |

Site Photographs

Before



During



After



CoB Battery Shores Phase I & II Project Summary Con't

Project#: 2009-110

Material Cost, Rental Equipment Summary, and Labor

| | | | | |
|--|--------|---------|-------|--------------------|
| Centipede Sod | pallet | \$70.00 | 14.0 | \$980.00 |
| 4ft Flagger | each | \$0.34 | 19.0 | \$6.46 |
| Caution Tape | roll | \$10.45 | 1.0 | \$10.45 |
| Fence Services | | | | \$845.00 |
| Portable Toilet Service | | | | \$90.00 |
| Water | gallon | \$0.01 | 1,500 | \$15.00 |
| Gas | gallon | \$1.84 | 179.0 | \$329.36 |
| Diesel | gallon | \$1.87 | 845.6 | \$1,581.27 |
| Labor | hours | | 1,082 | \$38,296.15 |
| Total Cost of Materials, Rental Equip., and Labor | | | | \$54,006.28 |

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

Equipment Cost

| Item | Asset | Cost/Hou | Hrs. | Cost |
|-----------------------------|-------|----------|-------|-------------------|
| Volvo 290 Excavator | 22870 | \$49.56 | 42.0 | \$2,081.52 |
| JCB Urban Excavator | 23364 | \$40.53 | 23.0 | \$932.19 |
| Bobcat T300 | 22847 | \$20.10 | 30.0 | \$603.00 |
| John Deere Loader 444J | 23271 | \$29.75 | 20.5 | \$609.88 |
| Vacuum Truck | 22812 | \$20.30 | 7.0 | \$142.10 |
| Hydroseeder | 18909 | \$10.70 | 3.0 | \$32.10 |
| Asphalt Roller | 20237 | \$14.78 | 1.0 | \$14.78 |
| Lowboy | 23214 | \$34.64 | 5.0 | \$173.20 |
| Dump Trucks | | \$16.68 | 199.0 | \$3,319.32 |
| Pickup Trucks | | \$5.43 | 289.0 | \$1,569.27 |
| Total Equipment Cost | | | | \$9,477.36 |

Cost/hour excludes fuel cost.

Total Cost: \$63,483.64

Site Photographs

Before



During



After



Project: CoB-
Battery Shores
Phase I & II
(Reimbursement)

Activity: Drainage
Maintenance












Project #:
2009-110

Township: City of
Beaufort

Completed:
May 2009

Legend

Drainage Type

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



0 25 50 100 150 200
Feet

1 inch equals 96.42 feet

Prepared By: BC Stormwater Management Utility
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File: C:/sethdata/projects/projectmaps/CoB Battery Shores Phase I&II_2009_110