

Beaufort County Public Works Stormwater Infrastructure

Project Summary

Project Summary: Middle River Road

Project #: 2009-125 Completed: Aug-09

Narrative Description of Project:

Project improved 557 L.F. of drainage system. Cleaned out 225 L.F. of roadside ditch. Replaced (2) driveway pipes with 72 L.F. of roadside pipe. Installed (2) catch basins. Installed 260 L.F of outfall pipe and (1) crossline pipe. Installed rip rap and sod for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" RCP Pipe	linear feet	\$10.38	72.0	\$747.36
18" RCP Pipe	linear feet	\$12.41	24.0	\$297.84
18" HDPE Pipe	linear feet	\$8.71	260.0	\$2,264.60
3x3 Catch Basin	each	\$667.04	2.0	\$1,334.08
Fill Dirt	ton	\$1.00	23.9	\$23.86
Rip Rap	ton	\$47.62	14.9	\$710.01
FLBC	ton	\$26.62	26.9	\$715.55
Silt Fence w/ Stakes	sy	\$0.49	17.9	\$8.77
Silt Fence	sy	\$0.78	60.3	\$47.02
Filter Blanket Woven	sy	\$0.63	55.6	\$35.00
Turf Staples	each	\$0.03	65.0	\$1.95
Masonry Type S Cement	bag	\$9.35	6.0	\$56.10
Concrete Brick	each	\$0.36	90.0	\$32.40
All Purpose Sand	bag	\$3.80	10.0	\$38.00
St Augustine Sod	pallet	\$95.00	10.0	\$950.00
Centipede Sod	pallet	\$85.00	7.0	\$595.00
Caution Tape	roll	\$10.45	0.3	\$2.61
4ft Flagger	each	\$0.34	10.0	\$3.40
Septic Tank Service				\$325.00
Water	gallon	\$0.01	1,500	\$15.00
Gas	gallon	\$2.37	75.0	\$177.75
Diesel	gallon	\$2.37	276.0	\$654.12
Labor	hours		720.5	\$24,714.75
Total Cost of Materials, Rental Equip., and Labor				\$33,750.17

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

Site Photographs

Before



During



After



Middle River Road Project Summary Cont

Project #: 2009-125

Equipment Cost

Item Asset Cost/Hou Hrs. Cost Komatsu Mini Excavator \$18.65 \$111.90 23000 6.0 JCB Urban Excavator 23364 \$40.53 19.0 \$770.07 Bobcat T200 22782 \$17.40 7.5 \$130.50 Bobcat T300 22847 \$20.10 16.0 \$321.60 JD Loader 444J 23271 \$29.75 10.0 \$297.50 Hydroseeder \$14.70 18909 \$7.35 2.0 Dump Trucks \$16.68 \$1,334.40 80.0 Pickup Trucks \$4.17 214.0 \$892.38 **Total Equipment Cost** \$3,873.05

Cost/hour excludes fuel cost.

Total Cost: \$37,623.22 During

Site Photographs





After

Before





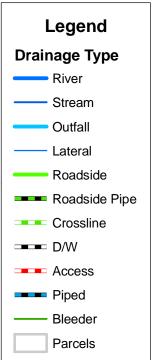
Project: Middle River Road Map 1

Activity: Ditch Maintenace

Project #: 2009-125

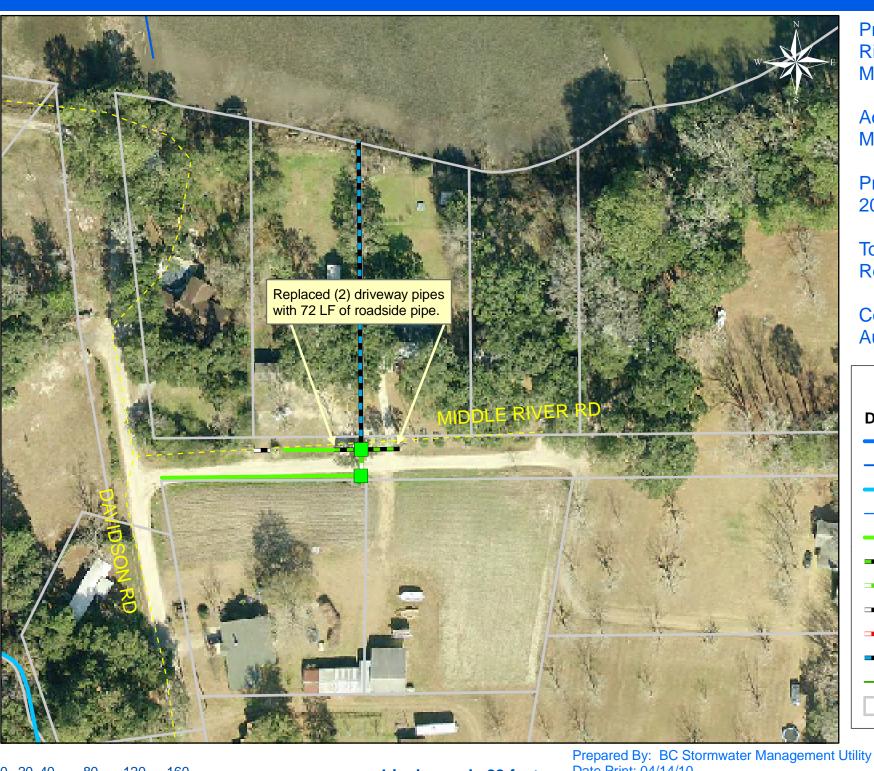
Township: Port Royal Island

Completed: August 2009



Prepared By: BC Stormwater Management Utility

160 Feet



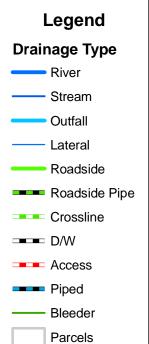
Project: Middle River Road Map 2

Activity: Ditch Maintenace

Project #: 2009-125

Township: Port Royal Island

Completed: August 2009



Date Print: 04/14/10 File:C:/sethdata/projects/projectmaps/Middle River Rd_2009_125 Map2