



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Polite Drive

Project #: 2008-013 Completed: Jul-10

Narrative Description of Project:
 Project improved 460 L.F. of drainage system. Reconstructed 184 L.F. of roadside ditch. Cleaned out 276 L.F. of roadside ditch. Upsized to (2) crossline pipes. Repaired washout. Installed straw mat, rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
18" RCP Pipe	linear feet	\$11.47	96.0	\$1,101.12
Rip Rap	ton	\$43.87	11.2	\$490.47
Flowable Fill	cy	\$79.18	9.0	\$712.62
Asphalt	ton	\$79.92	8.1	\$643.36
Filter Blanket	sy	\$0.63	55.6	\$35.00
Silt Fence	sy	\$0.78	81.7	\$63.69
Turf Staple	each	\$0.03	234.0	\$7.02
10-10-10 Fertilizer	bag	\$11.72	2.0	\$23.44
Hydromulch	bale	\$12.22	4.0	\$48.88
Hydrogel	cup	\$2.82	2.0	\$5.64
Hydromax Liquid Fertilizer	cup	\$2.54	2.0	\$5.08
Bermuda Grass Seed	bag	\$128.40	2.0	\$256.80
Straw Mat	roll	\$26.75	7.0	\$187.25
Sediment Log	each	\$29.96	2.0	\$59.92
Water	gallon	\$0.01	2,000	\$20.00
Pin Flag	each	\$0.06	10.0	\$0.60
Caution Tape	roll	\$14.55	0.2	\$2.91
4ft Flagger	each	\$0.34	4.0	\$1.36
Gas	gallon	\$2.54	60.0	\$152.40
Diesel	gallon	\$2.61	193.0	\$503.73
Labor	hours		434.0	\$9,473.62
Indirect Labor, Services, and Supplies				\$6,508.61
Total Cost of Materials, Rental Equip., and Labor				\$20,303.51

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

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
JCB Urban Excavator	23364	\$31.45	17.0	\$534.65
New Holland Loader	19968	\$47.93	1.0	\$47.93

Site Photographs

Before



During



After



Polite Drive Project Summary Con't

Project #: 2008-13

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
JD Loader 444J	23271	\$29.75	3.0	\$89.25
Bobcat T300	22847	\$20.10	5.0	\$100.50
Bobcat T320	23388	\$21.00	3.0	\$63.00
Hydroseeder	23474	\$12.44	1.0	\$12.44
Asphalt Roller	20237	\$14.78	1.0	\$14.78
Dump Trucks		\$13.31	69.0	\$918.39
Pickup Trucks		\$4.12	148.0	\$609.76
Total Equipment Cost				\$2,390.70

Cost/hour excludes fuel cost.

Total Cost: \$22,694.21

Site Photographs

Before



During



After



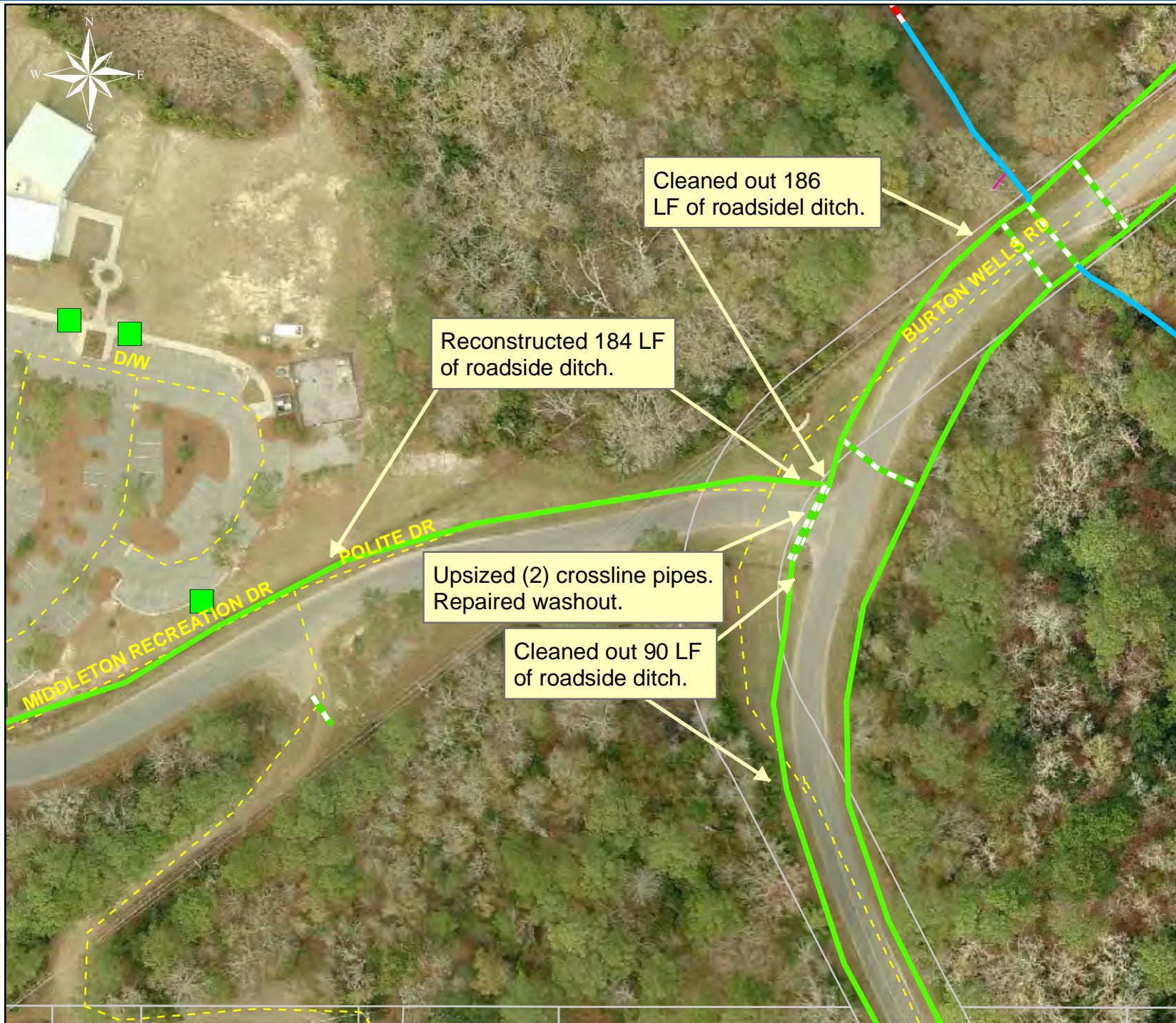
Project: Polite Drive

Activity: Drainage Maintenance

Project #: 2008-013






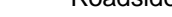








Township: Port Royal Island

Completed: July 2010



Legend

Drainage Type

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



1 inch = 92 feet

Prepared By: BC Stormwater Management Utility

Date Print: 5/18/11

File:C:/sethdata/projects/projectmaps/Polite Dr 2008-013