



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Josephine Drive Phase II

Project #: 2011-051A Completed: Nov-10

Narrative Description of Project:
 Project improved 5,210 L.F. of drainage system. Cleaned out 5,096 L.F. of roadside ditch and 114 L.F. of outfall ditch. Replaced (1) driveway pipe to correct elevation. Jetted (14) driveway pipes and (1) crossline pipe. Hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" RCP Pipe	linear feet	\$9.62	24.0	\$230.88
Fill Dirt	ton	\$1.00	5.3	\$5.30
Silt Fence	sy	\$0.78	5.8	\$4.55
15-0-15 Fertilizer	bag	\$10.59	2.5	\$26.48
Hydrogel	cup	\$2.82	2.5	\$7.05
Hydromulch	bale	\$12.22	5.0	\$61.10
Hydromax Liquid Fertilizer	cup	\$2.54	2.5	\$6.35
Annual Rye Grass Seed	bag	\$19.21	2.5	\$48.03
Water	gallon	\$0.01	4,250	\$42.50
Pin Flag	each	\$0.06	56.0	\$3.36
Portable Toilet Service	each	\$75.00	1.0	\$75.00
Diesel	gallon	\$2.63	218.8	\$575.44
Gas	gallon	\$2.50	18.0	\$45.00
Labor	hours		464.0	\$10,016.15
Indirect Labor, Services, and Supplies				\$6,886.25
Total Cost of Materials, Rental Equip., and Labor				\$18,033.43

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

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
Komatsu Mini Excavator	23000	\$14.90	35.0	\$521.50
JD Loader 444J	23271	\$29.75	1.0	\$29.75
Bobcat T320	23388	\$21.00	7.0	\$147.00
Vacuum Truck	22812	\$22.16	9.0	\$199.44
Hydroseeder	23474	\$12.44	4.0	\$49.76

Site Photographs

Before



During



After



Josephine Drive Phase II Project Summary Con't

Project #: 2011-051A

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
Dump Trucks		\$13.31	82.0	\$1,091.42
Pickup Trucks		\$4.12	95.0	\$391.40
Total Equipment Cost				\$2,430.27

Cost/hour excludes fuel cost.

Total Cost: \$20,463.70

Site Photographs

Before



During



After



Project: Josephine Drive Phase II
Map 1

Activity: Drainage Maintenance















Project #: 2011-051A

Township: Port Royal Island

Completed: November 2010

Legend

Drainage Type

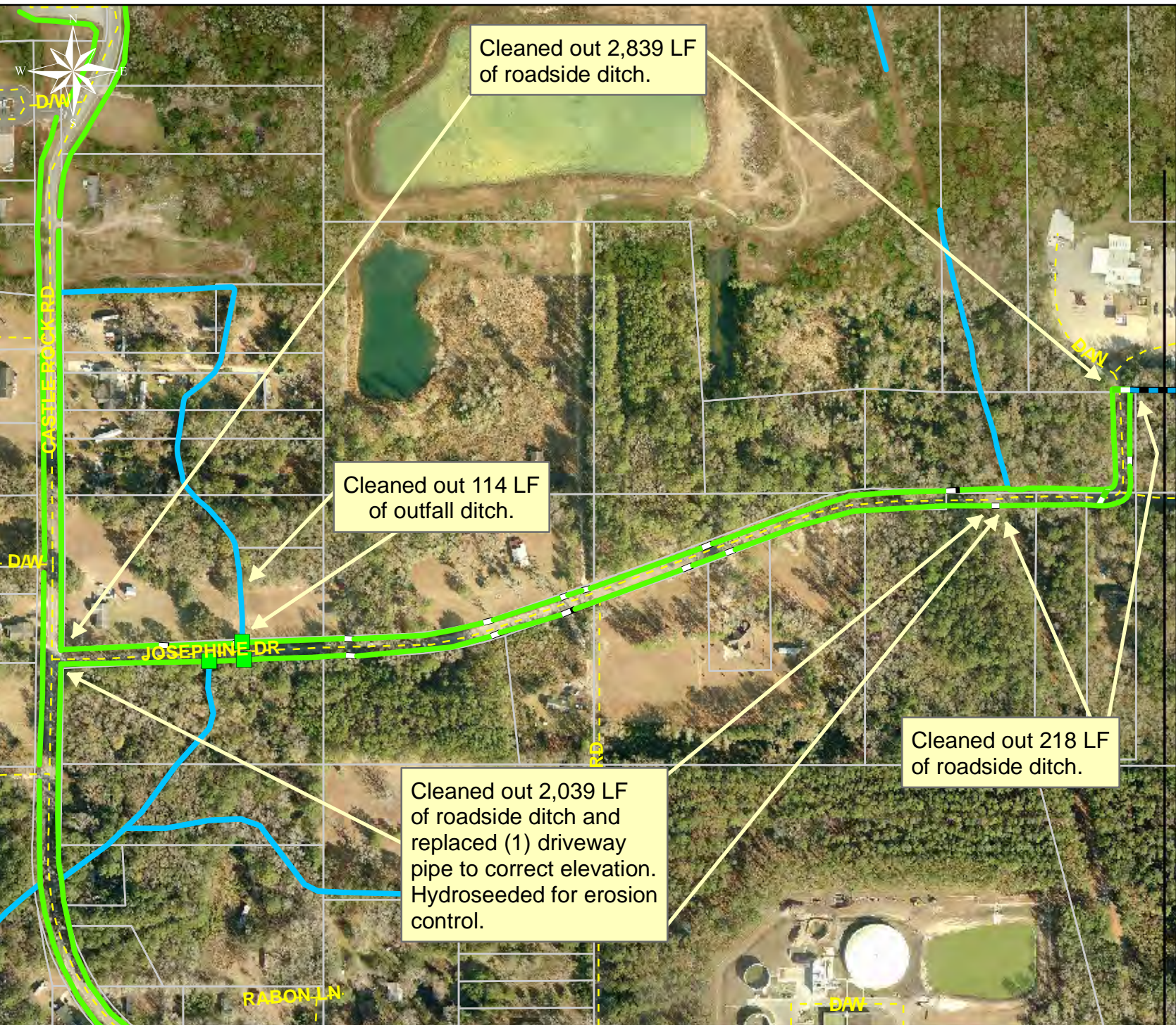
-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels

Cleaned out 2,839 LF of roadside ditch.

Cleaned out 114 LF of outfall ditch.

Cleaned out 218 LF of roadside ditch.

Cleaned out 2,039 LF of roadside ditch and replaced (1) driveway pipe to correct elevation. Hydroseeded for erosion control.



1 inch = 330 feet

Project: Josephine Drive Phase II
Map 2

Activity: Vacuum Truck















Project #: 2011-051A

Township: Port Royal Island

Completed: November 2010

Legend

Drainage Type

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

Jetted (8) driveway pipes.

Jetted (6) driveway pipes and 1 crossline pipe.



1 inch = 330 feet