



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

Project Summary: Forest Field Subdivision - Providence Road
 Project #: 2010-196 Completed: May-10
 Narrative Description of Project:
 Project improved 2,460 L.F. of drainage system. Bush hogged 2,088 L.F. of workshelf and 2,444 L.F. of outfall ditch. Cleaned out 2,444 L.F. of outfall ditch. Installed and extended (1) access pipe. Cleaned out (2) catch basins. Jetted (1) crossline pipe and 16 L.F. of outfall pipe. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
36" HDPE Pipe	linear feet	\$26.41	40.0	\$1,056.40
Fill Dirt	ton	\$1.00	79.5	\$79.54
Rip Rap	ton	\$47.08	7.5	\$350.98
#57 Stone	ton	\$34.78	6.8	\$237.37
Silt Fence	sy	\$0.78	3.9	\$3.03
Filter Blanket	sy	\$0.63	41.7	\$26.25
Turf Staples	each	\$0.03	50.0	\$1.50
10-10-10 Fertilizer	bag	\$11.72	1.0	\$11.72
Hydrogel	cup	\$2.82	1.0	\$2.82
Hydromulch	bale	\$12.22	2.0	\$24.44
Hydromax Liquid Fertilizer	cup	\$2.53	1.0	\$2.53
Bermuda Grass Seed	bag	\$128.40	1.0	\$128.40
Water	gallon	\$0.01	1,500	\$15.00
Pin Flags	each	\$0.06	25.0	\$1.50
Fence Repair				\$175.00
Gas	gallon	\$2.64	56.0	\$147.84
Diesel	gallon	\$2.66	427.7	\$1,137.68
Labor	hours		665.0	\$23,136.43
Total Cost of Materials, Rental Equip., and Labor				\$26,538.44

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

Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	42.0	\$783.30
JD Loader 444J	23271	\$29.75	10.0	\$297.50

Site Photographs

Before



During



After



Forest Field Subdivision - Providence Rd Project Summary Con't

Project #: 2010-196

Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
Bobcat T300	22847	\$20.10	14.0	\$281.40
Bobcat T320	23388	\$21.00	11.0	\$231.00
Bush Hog	22822	\$38.64	10.0	\$386.40
Vacuum Truck	22812	\$20.30	2.0	\$40.60
Hydroseeder	18909	\$7.35	1.0	\$7.35
Dump Trucks		\$16.68	169.0	\$2,818.92
Pickup Trucks		\$4.17	149.5	\$623.42
Total Equipment Cost				\$5,469.89

Cost/hour excludes fuel cost.

Total Cost: \$32,008.32

Site Photographs

Before



During



After



Project: Forest Field Subdivision
 Providence Road
 Map 1

Activity: Drainage Maintenance














Project #: 2010-196

Township: Port Royal Island

Completed: May 2010

Legend

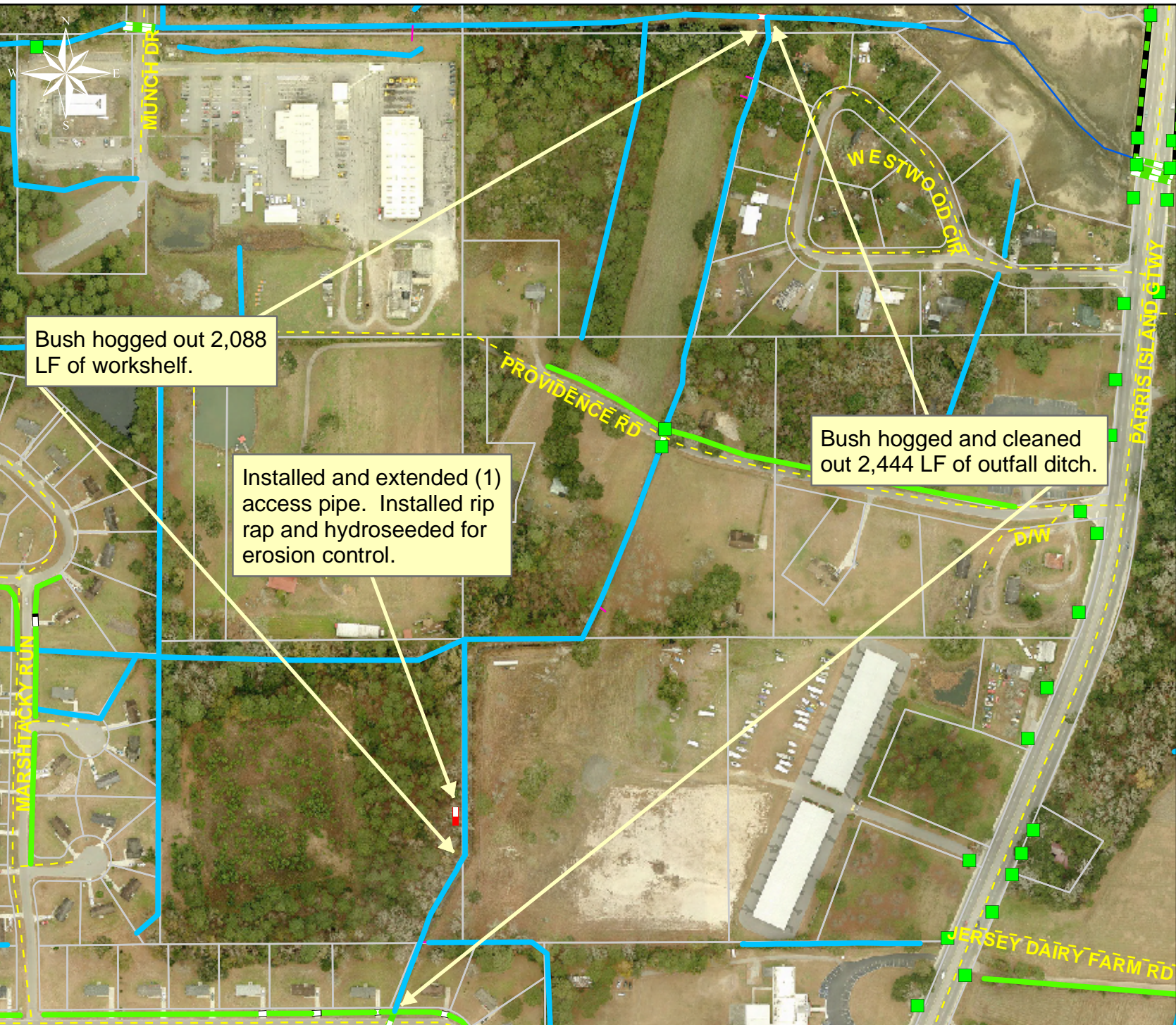
Drainage Type

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

Bush hogged out 2,088 LF of workshelf.

Installed and extended (1) access pipe. Installed rip rap and hydroseeded for erosion control.

Bush hogged and cleaned out 2,444 LF of outfall ditch.



0 120 240 480 720 960 Feet
 1 inch equals 295 feet

Project: Forest Field Subdivision
Providence Road
Map 2

Activity: Drainage Maintenance














Project #: 2010-196

Township: Port Royal Island

Completed: May 2010

Legend

Drainage Type

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

Cleaned out (2)
catch basins.

Jetted (1) crossline pipe
and 16 LF of outfall pipe.

