



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

Project Summary: Callawassie Outfall

Project #: 2009-146                      Completed: May-09

Narrative Description of Project:  
 Project improved 4,423 L.F. of outfall and roadside ditches. Bush hogged and cleaned out 3,498 L.F. of workshelf and outfall ditch. Bush hogged 875 L.F. of roadside ditch. Cleaned out 3,548 L.F. of outfall ditch. Installed (1) access pipe and (1) crossline pipe. Installed rip rap for erosion control.

**Material Cost, Rental Equipment Summary, and Labor**

Material	Unit	Cost/Unit	Qty	Cost
24" HDPE Pipe	linear feet	\$13.89	60.0	\$833.40
Fill Dirt	ton	\$1.00	15.9	\$15.91
Rip Rap	ton	\$47.62	14.9	\$710.01
Filter Blanket	sy	\$0.63	83.3	\$52.48
Turf Staples	each	\$0.03	60.0	\$1.80
Caution Tape	roll	\$14.55	0.5	\$7.28
Pin Flags	each	\$0.06	20.0	\$1.20
Diesel	gallon	\$2.14	258.0	\$552.12
Gas	gallon	\$1.90	31.0	\$58.90
Labor	hours		327.5	\$11,878.82
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$14,111.92</b>

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

**Equipment Cost**

Item	Asset	Cost/Hou	Hrs.	Cost
CAT 325 Excavator	16649	\$58.61	30.0	\$1,758.30
Bobcat T300	22847	\$20.10	2.0	\$40.20
JD 444J Loader	23271	\$29.75	1.0	\$29.75
Bush Hog	22822	\$38.64	8.0	\$309.12
Lowboy	23118	\$38.64	10.0	\$386.40
Dump Truck	23106	\$16.68	20.0	\$333.60
Pickup Trucks		\$5.43	133.0	\$722.19
<b>Total Equipment Cost</b>				<b>\$3,579.56</b>

Cost/hour excludes fuel cost.

Total Cost:                      \$17,691.48

**Site Photographs**

Before



During



After



Project:  
Callawassie  
Outfall

Activity: Drainage  
Maintenance












Project #:  
2009-146

Township: Bluffton

Completed:  
May 2009

### Legend

#### Drainage Type

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

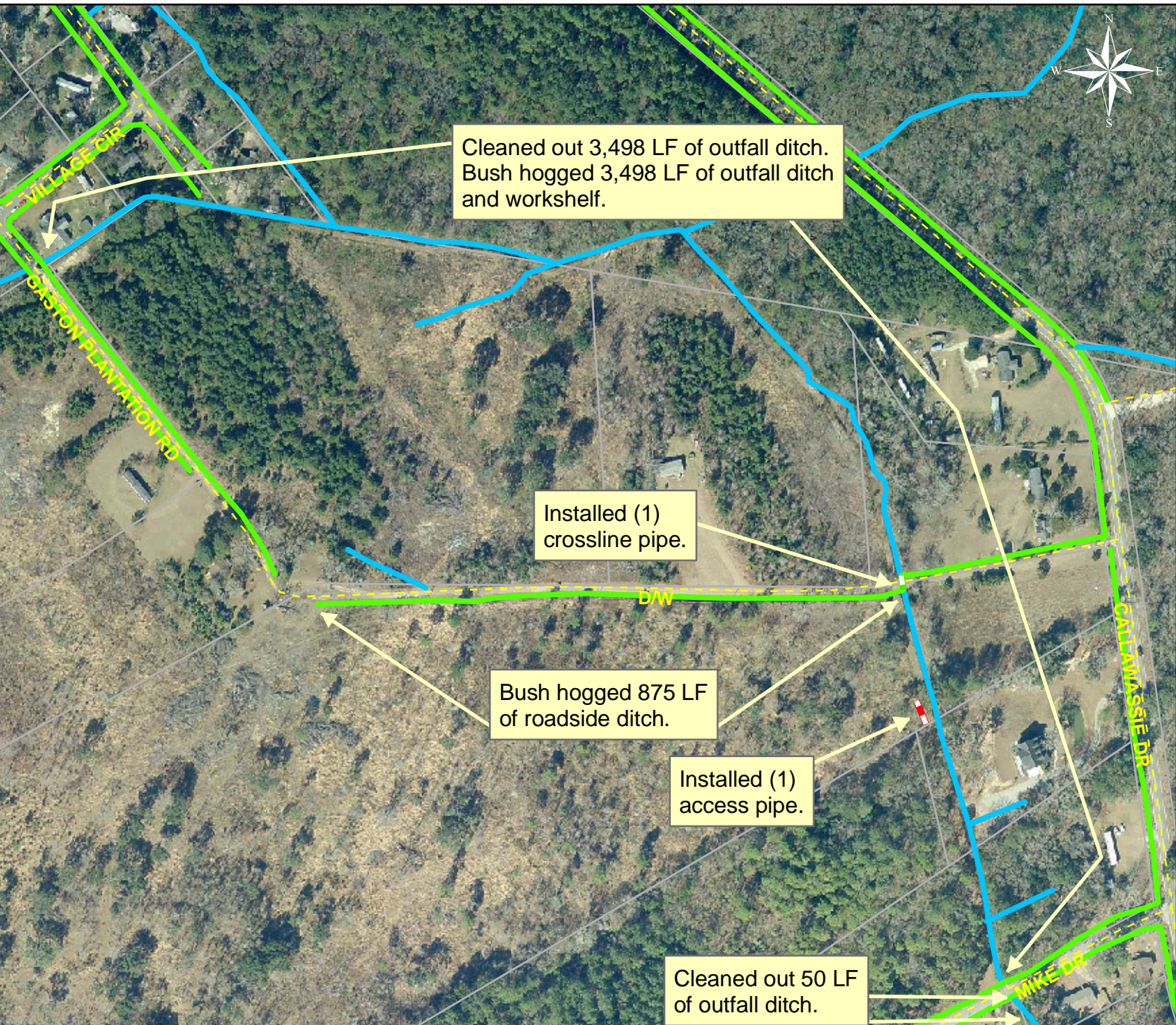
Cleaned out 3,498 LF of outfall ditch.  
Bush hogged 3,498 LF of outfall ditch  
and workshelf.

Installed (1)  
crossline pipe.

Bush hogged 875 LF  
of roadside ditch.

Installed (1)  
access pipe.

Cleaned out 50 LF  
of outfall ditch.



1 inch equals 282.16 feet