



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

Project Summary: Keans Neck Road Outfall

Project #: 2011-524A Completed: Nov-10

Narrative Description of Project:
Project improved 3,198 L.F. of drainage system. Bush hogged and cleaned out 3,198 L.F. outfall ditch and workshelf. Installed (3) bleeder pipes. Jetted (2) crossline pipes and (2) access pipes. Installed rip rap for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
12" HDPE Pipe	linear feet	\$4.86	60.0	\$291.60
Fill Dirt	ton	\$1.00	26.5	\$26.51
Rip Rap	ton	\$43.87	7.5	\$327.27
Filter Blanket	sy	\$0.63	27.8	\$17.50
Turf Staple	each	\$0.03	30.0	\$0.90
Water	gallon	\$0.01	2,200	\$22.00
Pin Flag	each	\$0.06	117.0	\$7.02
Flagging Tape	liner feet	\$14.55	0.5	\$7.28
Diesel	gallon	\$2.63	766.8	\$2,016.68
Gas	gallon	\$2.50	60.0	\$150.00
Labor	hours		669.0	\$14,439.62
Indirect Labor, Services, and Supplies				\$9,889.69
Total Cost of Materials, Rental Equip., and Labor				\$27,196.07

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

Equipment Cost

Item	Asset	Cost/Hour	Hrs.	Cost
Volvo 290 Excavator	22870	\$54.13	7.0	\$378.91
CAT 325 Excavator	16649	\$22.84	4.0	\$91.36
JCB Urban Excavator	23364	\$31.45	40.0	\$1,258.00
JD Loader 444J	23271	\$29.75	4.0	\$119.00
Bobcat T320	23388	\$21.00	10.0	\$210.00
Lowboy	23118	\$34.64	7.0	\$242.48
Vacuum Truck	22812	\$22.16	9.0	\$199.44
Dump Trucks		\$13.31	175.0	\$2,329.25
Pickup Trucks		\$4.12	141.0	\$580.92
Total Equipment Cost				\$5,409.36

Cost/hour excludes fuel cost.

Total Cost: \$32,605.43

Site Photographs

Before



During



After



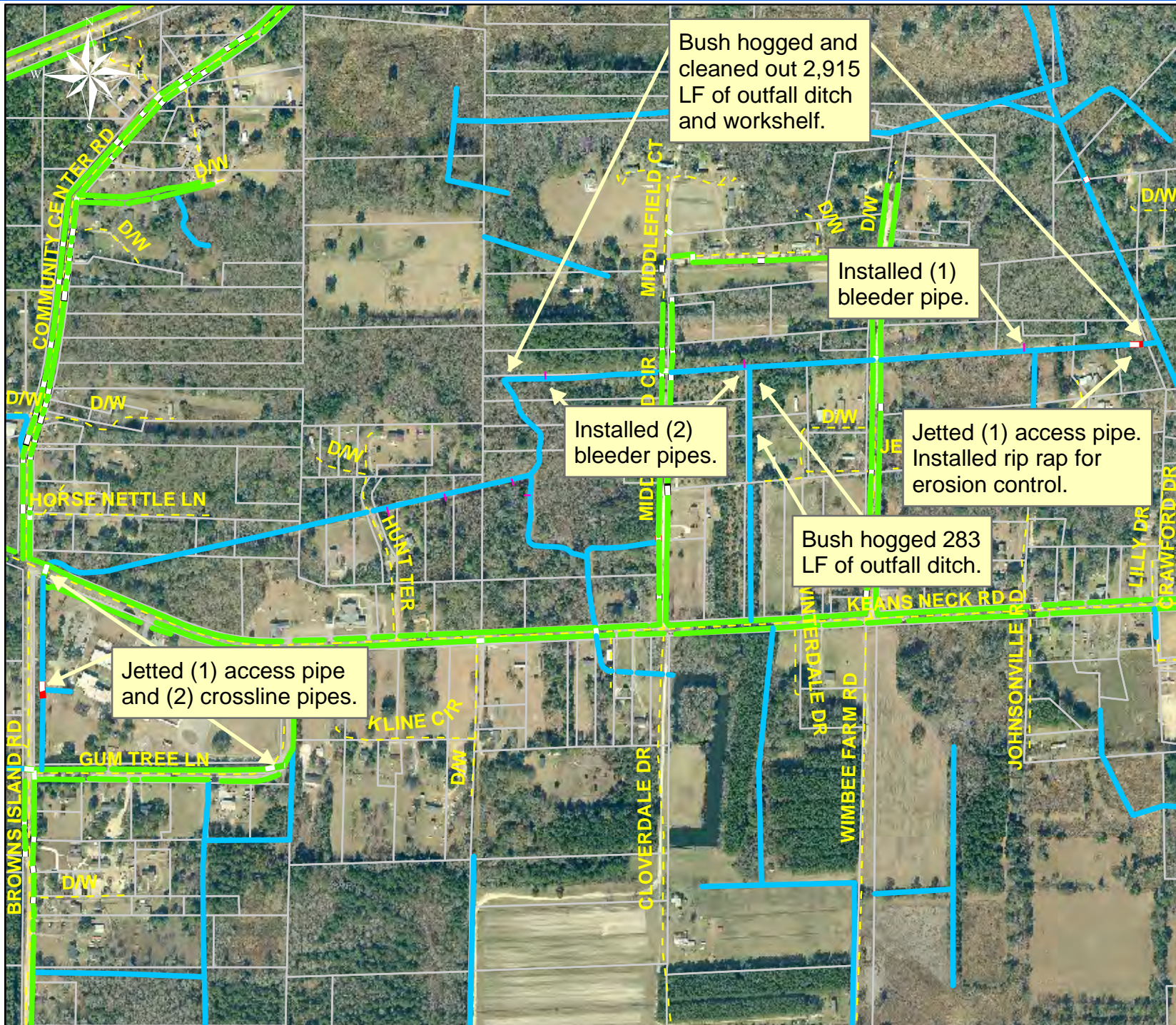
Project: Keans Neck Road Outfall

Activity: Drainage Maintenance

Project #: 2011-524A

Township: Sheldon

Completed: November 2010



Legend

Drainage Type

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



1 inch = 637 feet