



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Luther Lane/Candy Johnson Drive

Project #: 2010-165 Completed: Jun-10

Narrative Description of Project:
 Project improved 1,422 L.F. of drainage system. Shinn cut and constructed 650 L.F. of outfall ditch and workshelf. Bush hogged 472 L.F. of roadside ditch. Cleaned out 772 L.F. of roadside ditch. Installed (5) access pipes and (2) access gates. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" RCP Pipe	linear feet	\$9.79	24.0	\$234.96
12" HDPE Pipe	linear feet	\$4.86	40.0	\$194.40
18" HDPE Pipe	linear feet	\$8.71	100.0	\$871.00
Fill Dirt	ton	\$1.00	84.8	\$84.84
Rip Rap	ton	\$47.08	11.2	\$526.35
Quikrete Concrete	bag	\$3.92	6.0	\$23.52
Filter Blanket Woven	sy	\$0.63	97.2	\$61.25
Silt Fence	sy	\$0.78	10.5	\$8.19
Turf Staples	each	\$0.03	100.0	\$3.00
10-10-10 Fertilizer	bag	\$11.72	3.5	\$41.02
Hydrogel	cup	\$2.82	3.5	\$9.87
Hydomulch	bale	\$12.22	7.0	\$85.54
Hydomax Liquid Fertilizer	cup	\$2.54	3.5	\$8.89
Brown Top Millet Grass Seed	bag	\$20.33	3.5	\$71.16
Pin Flag	each	\$0.06	9.0	\$0.54
Flagging Tape	roll	\$1.87	0.12	\$0.22
Debris Disposal	ton	\$33.00	51.2	\$1,690.92
4x4 Post	each	\$6.27	4.0	\$25.08
16ft Gate	each	\$148.73	2.0	\$297.46
Water	gallon	\$0.01	1,750	\$17.50
Tree Service				\$600.00
Gas	gallon	\$2.39	158.0	\$377.62
Diesel	gallon	\$2.35	748.0	\$1,757.80
Labor	hours		592.5	\$20,505.21
Total Cost of Materials, Rental Equip., and Labor				\$27,496.34

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

Site Photographs

Before



During



After



Luther Lane/Candy Johnson Drive Project Summary Con't

Project #: 2010-165

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
Shinn Cutter	22943	\$31.34	5.0	\$156.70
Volvo 290 Excavator	22870	\$49.56	29.0	\$1,437.24
Komatsu Mini Excavator	23000	\$18.65	24.0	\$447.60
CAT Dozer	23125	\$35.50	6.0	\$213.00
JD Loader 444J	23271	\$29.75	4.0	\$119.00
Bobcat T300	22847	\$20.10	2.0	\$40.20
Bobcat T320	23388	\$21.00	1.0	\$21.00
Bush Hog	23362	\$42.37	3.5	\$148.30
Lowboy	23118	\$34.64	6.0	\$207.84
Hydroseeder	18909	\$7.35	2.0	\$14.70
Dump Trucks		\$16.68	160.0	\$2,668.80
Pickup Trucks		\$4.17	193.0	\$804.81
Total Equipment Cost				\$6,279.19

Cost/hour excludes fuel cost.

Total Cost: \$33,775.53

Site Photographs

During



After



Project: Luther Lane/Candy Johnson Drive Map 1

Activity: Drainage Maintenance













Project #: 2010-165

Township: St. Helena Island

Completed: June 2010

Legend

Drainage Type

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



1 inch equals 175 feet

Prepared By: BC Stormwater Management Utility

Date Print: 7/29/10

File: C:/sethdata/projects/projectmaps/Luther_CandyJohnson Map 1 2010-165

Project: Luther Lane/Candy Johnson Drive Map 2

Activity: Drainage Maintenance













Project #: 2010-165

Township: St. Helena Island

Completed: June 2010

Legend

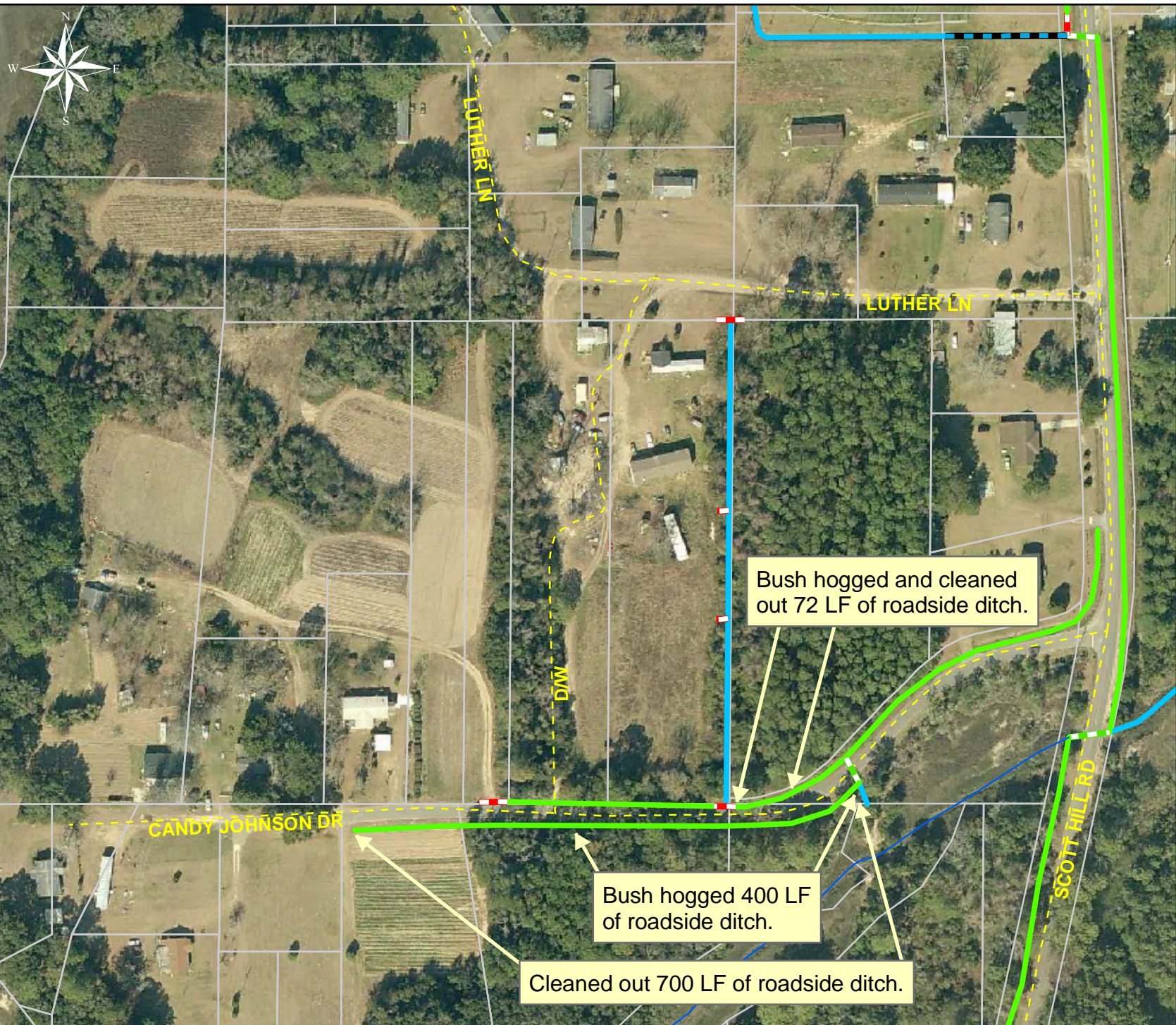
Drainage Type

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

Bush hogged and cleaned out 72 LF of roadside ditch.

Bush hogged 400 LF of roadside ditch.

Cleaned out 700 LF of roadside ditch.



1 inch equals 175 feet

Prepared By: BC Stormwater Management Utility

Date Print: 7/29/10

File:C:/sethdata/projects/projectmaps/old salem rd map 2 2010-233