



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Leo Green Road

Project #: 2011-040

Completed: Oct-10

Narrative Description of Project:

Project improved 1,645 L.F. of drainage system. Grubbed and cleared 482 L.F. of outfall ditch and workshelf. Reconstructed 700 L.F. of outfall ditch and workshelf. Cleaned out 660 L.F. of outfall ditch. Hand cleaned 285 L.F. of outfall ditch. Installed (1) access pipe, (4) bleeder pipes and (1) access gate. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
12" HDPE Pipe	linear feet	\$4.86	40.0	\$194.40
18" HDPE Pipe	linear feet	\$8.71	40.0	\$348.40
Fill Dirt	ton	\$1.00	180.3	\$180.29
Rip Rap	ton	\$47.38	3.7	\$176.73
Filter Blanket	sy	\$0.63	27.8	\$17.50
Silt Fence	sy	\$0.78	7.8	\$6.06
Turf Staples	each	\$0.03	50.0	\$1.50
10-10-10 Fertilizer	bag	\$11.72	2.0	\$23.44
Hydromulch	bale	\$12.22	4.0	\$48.88
Hydrogel	cup	\$2.82	2.0	\$5.64
Hydromax Liquid Fertilizer	cup	\$2.54	2.0	\$5.08
Annual Rye Grass Seed	bag	\$24.61	2.0	\$49.22
Water	gallon	\$0.01	1,250	\$12.50
Pin Flags	each	\$0.06	51.0	\$3.06
4ft Flagger	each	\$0.34	4.0	\$1.36
Debris Disposal	ton	\$33.00	29.0	\$957.00
Quikrete Concrete	bag	\$3.19	2.0	\$6.38
4x4x8 Post	each	\$6.27	2.0	\$12.54
16ft Access Gate	each	\$138.03	1.0	\$138.03
Gas	gallon	\$2.49	85.0	\$211.65
Diesel	gallon	\$2.56	363.5	\$930.56
Labor	hours		524.5	\$11,674.90
Indirect Labor, Services, and Supplies				\$8,147.53
Total Cost of Materials, Rental Equip., and Labor				\$23,152.64

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

Site Photographs

Before



During



After



Leo Green Road Project Summary Con't

Project #: 2011-040

Equipment Cost

Item	Asset No.	Cost/Hour	Hrs.	Cost
CAT 325 Excavator	23125	\$22.84	13.0	\$296.92
Komatsu Mini Excavator	23000	\$14.90	6.0	\$89.40
JCB Urban Excavator	23364	\$31.45	9.0	\$283.05
New Holland Loader	19968	\$47.93	1.0	\$47.93
JD Loader 444J	23271	\$29.75	4.0	\$119.00
Bobcat T300	22847	\$20.10	11.0	\$221.10
Bobcat T320	23388	\$21.00	12.0	\$252.00
Lowboy	23118	\$34.64	3.0	\$103.92
Hydroseeder	23474	\$12.44	2.0	\$24.88
Dump Trucks		\$13.31	71.5	\$951.67
Pickup Trucks		\$4.12	173.5	\$714.82
Total Equipment Cost				\$3,104.69

Cost/hour excludes fuel cost.

Total Cost: \$26,257.32

Site Photographs

Before



During



After



Project: Leo Green Road

Activity: Drainage Maintenance














Project #:
2011-040

Township: Port
Royal Island

Completed:
October 2010

Legend

Drainage Type

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

Cleaned out 660 LF
of outfall ditch.

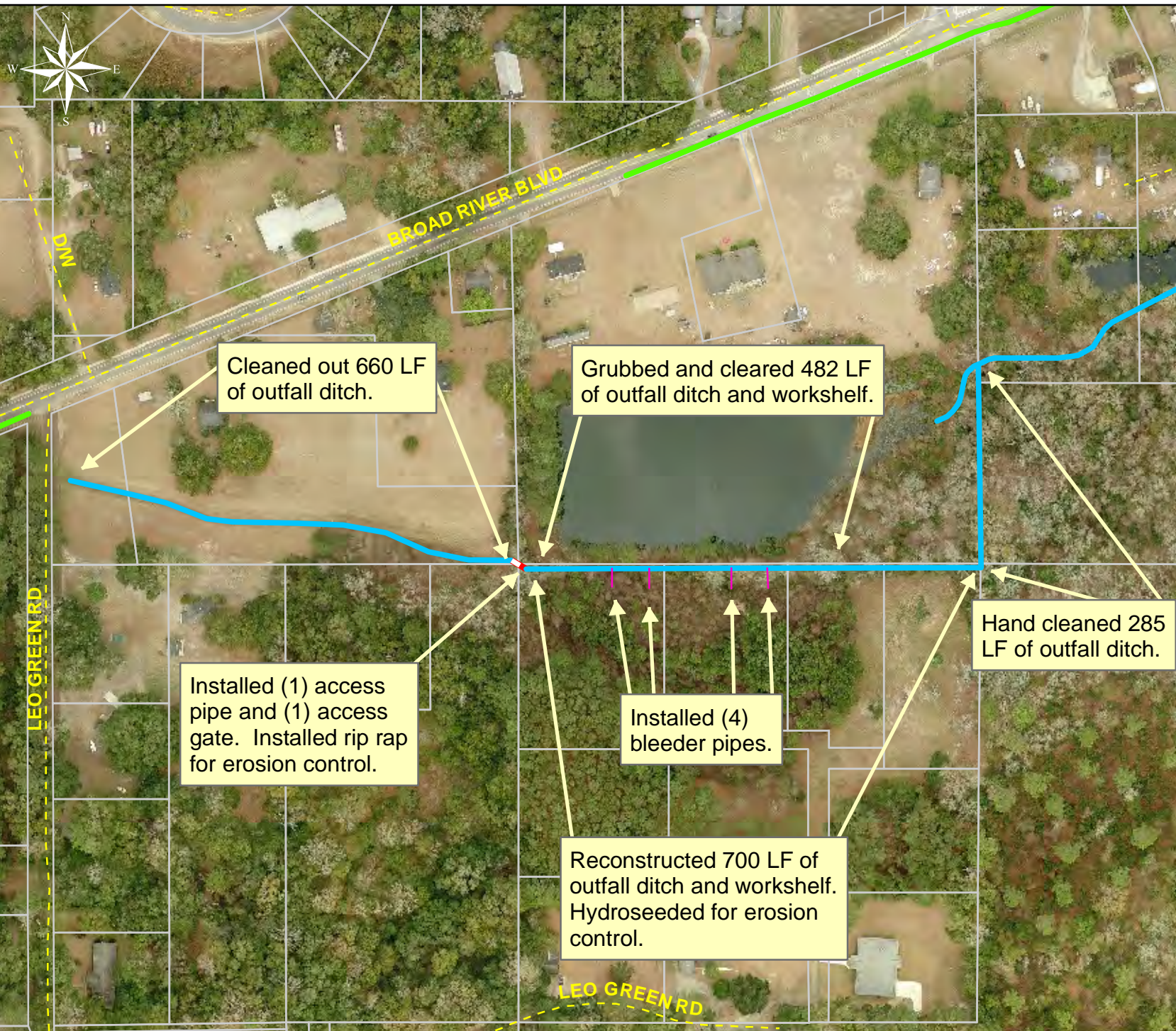
Grubbed and cleared 482 LF
of outfall ditch and workshelf.

Hand cleaned 285
LF of outfall ditch.

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

Installed (4)
bleeder pipes.

Reconstructed 700 LF of
outfall ditch and workshelf.
Hydroseeded for erosion
control.



0 55 110 220 330 440
Feet

1 inch = 196 feet

Prepared By: BC Stormwater Management Utility

Date Print: 3/16/11

File: C:/sethdata/projects/projectmaps/Leo Green Rd 2011-040