



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Oyster Street

Project #: 2009-135

Completed: Sep-09

Narrative Description of Project:

Project improved 800 L.F. of drainage system. Grubbed and cleaned out 800 L.F. of outfall ditch. Removed debris from flowline by hand. Replaced (2) driveway pipes. Cleaned out (2) catch basins. Jetted (2) crossline pipes and (1) driveway pipe. Installed rip rap, handseeded 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
18" RCP Pipe	linear feet	\$10.59	24.0	\$254.16
Fill Dirt	ton	\$1.00	84.8	\$84.84
Rip Rap	ton	\$47.08	3.7	\$175.61
FBLC	ton	\$26.22	13.4	\$352.40
Filter Blanket Woven	sy	\$0.63	41.7	\$26.25
Turf Staples	each	\$0.03	20.0	\$0.60
Silt Fence	sy	\$0.78	11.7	\$9.10
Silt Fence w/ Stakes	sy	\$0.49	311.1	\$152.44
10-10-10 Fertilizer	bag	\$12.83	8.0	\$102.64
Hydromulch	bale	\$12.22	10.0	\$122.20
Hydrogel	cup	\$2.82	5.0	\$14.10
Hydromax Liquid Fertilizer	cup	\$2.53	5.0	\$12.65
Bermuda Hulled Grass Seed	bag	\$128.40	7.0	\$898.80
Water	gallon	\$0.01	5,500	\$55.00
Sediment Log	each	\$42.80	1.0	\$42.80
Pin Flag	each	\$0.06	14.0	\$0.84
4Ft Flagger	each	\$0.34	4.0	\$1.36
Debris Disposal	ton	\$16.00	42.9	\$686.24
Debris Disposal	ton	\$26.00	4.0	\$104.26
Gas	gallon	\$2.24	157.0	\$351.68
Diesel	gallon	\$2.20	825.0	\$1,815.00
Labor	hours		1,022	\$34,623.53
Total Cost of Materials, Rental Equip., and Labor				\$40,121.46

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

Site Photographs

Before



During



After



Oyster Street Project Summary Con't

Project #: 2009-135

Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	7.0	\$130.55
JCB Urban Excavator	23364	\$40.53	30.0	\$1,215.90
Cat Dozer	23125	\$35.50	4.0	\$142.00
John Deere Loader 444J	23271	\$29.75	2.0	\$59.50
JCB Backhoe	22810	\$36.50	4.0	\$146.00
Bobcat T200	22782	\$17.40	3.0	\$52.20
Bobcat T300	22847	\$20.10	7.0	\$140.70
Vacuum Truck	22812	\$20.30	12.0	\$243.60
Hydroseeder	18909	\$7.35	6.5	\$47.78
Dump Trucks		\$16.68	216.0	\$3,602.88
Pickup Trucks		\$4.17	236.5	\$986.21
Total Equipment Cost				\$6,767.31

Cost/hour excludes fuel cost.

Total Cost: \$46,888.77

Site Photographs

Before



During



After



Project: Oyster Street

Activity: Drainage Maintenance

Project #: 2009-135

Township: Bluffton

Completed: September 2009

Legend

 Catch_Basins

Drainage Type

 River

 Stream

 Outfall

 Lateral

 Roadside

 Roadside Pipe

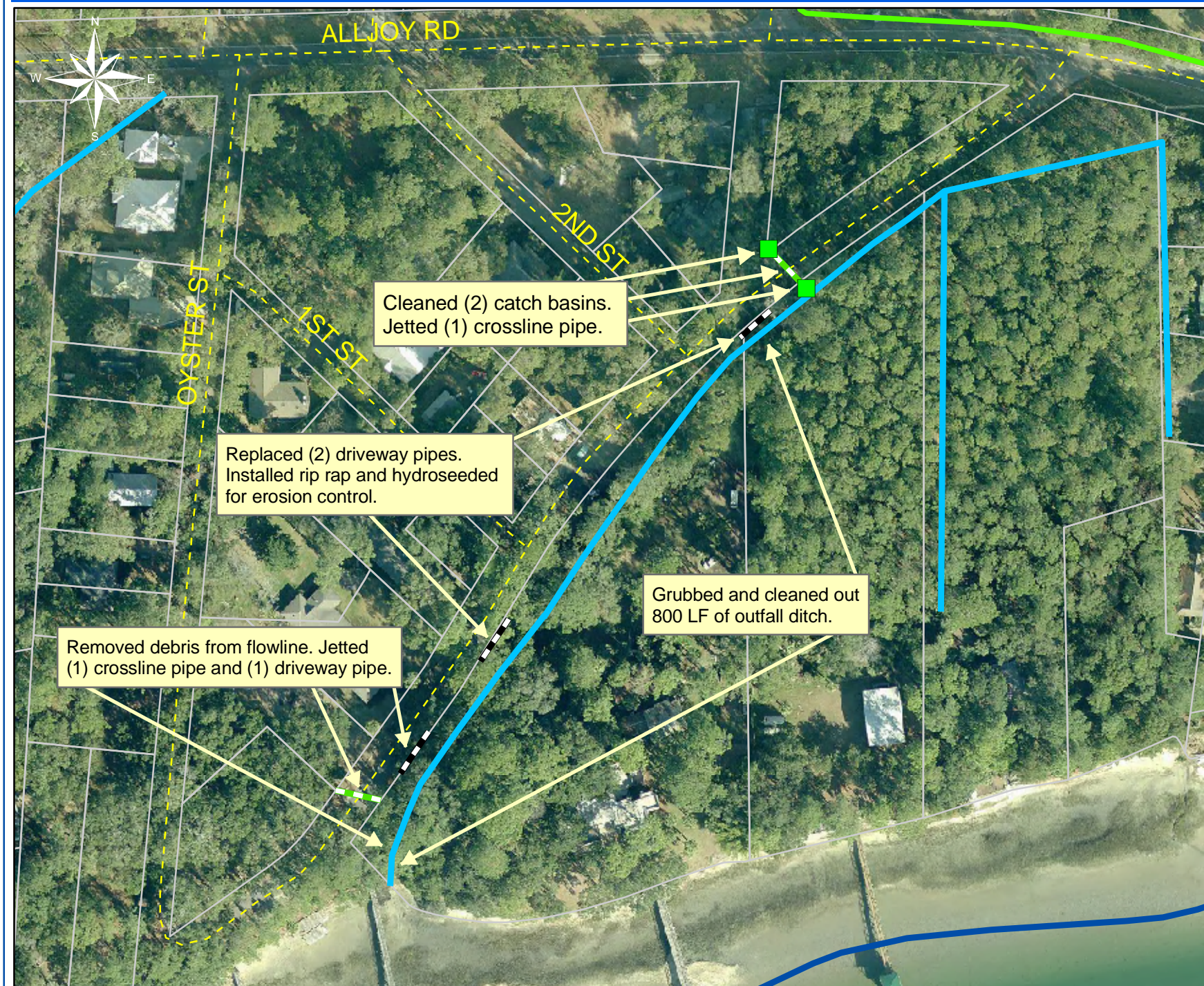
 Crossline

 D/W

 Access

 Piped

 Bleeder



0 35 70 140 210 280
Feet

1 inch equals 124 feet

Prepared By: BC Stormwater Management Utility
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