



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Colonial Heights - Phase 4

Project #: 2011-047C

Completed: Mar-11

Narrative Description of Project:

Project improved 1,040 L.F. of drainage system. Installed 1,040 L.F. of outfall pipe. Repaired washout. Installed rip rap, sod and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
18" HDPE Perforated Pipe	linear feet	\$9.36	720.0	\$6,739.20
24" HDPE Pipe	linear feet	\$13.89	320.0	\$4,444.80
18" Corrugated Tee	each	218.74	2.0	\$437.48
18" 22.5 Degree Elbow	each	\$118.88	1.0	\$118.88
24" HDPE Tee	each	\$425.74	1.0	\$425.74
Fill Dirt	ton	\$1.00	392.4	\$392.39
Rip Rap	ton	\$47.38	14.9	\$706.44
#57 Stone	ton	\$39.06	184.3	\$7,197.78
Filter Blanket	sy	\$0.63	90.3	\$56.87
Silt Fence	sy	\$0.78	462.8	\$360.96
Turf Staple	each	\$0.03	145.0	\$4.35
10-10-10 Fertilizer	bag	\$11.72	2.0	\$23.44
15-0-15 Fertilizer	bag	\$10.59	2.0	\$21.18
Hydromulch	bale	\$12.22	8.0	\$97.76
Hydrogel	cup	\$2.82	4.0	\$11.28
Hydromax Liquid Fertilizer	cup	\$2.54	4.0	\$10.16
Carolina Coastal Blend Grass Seed	bag	\$55.64	4.0	\$222.56
Centipede Sod	pallet	\$110.00	1.0	\$110.00
Water	gallon	\$0.01	2,500	\$25.00
Caution Tape	roll	\$14.55	0.3	\$3.64
4ft Flagger	each	\$0.34	3.0	\$1.02
Debris Disposal	ton	\$17.00	6.9	\$116.62
Gas	gallon	\$3.22	98.8	\$318.14
Diesel	gallon	\$3.40	496.3	\$1,687.42
Labor	hours		825.0	\$17,879.02
Indirect Labor, Services, and Supplies				\$12,200.36
Total Cost of Materials, Rental Equip., and Labor				\$53,612.48

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

Site Photographs

Before



During



After



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Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
JCB Urban Excavator	23364	\$31.45	37.0	\$1,163.65
CAT Dozer	23125	\$35.50	15.0	\$532.50
JD Loader 444J	23271	\$29.75	11.0	\$327.25
Bobcat T300	22847	\$20.10	29.0	\$582.90
Bobcat T320	23388	\$21.00	27.0	\$567.00
Vacuum truck	22812	\$22.16	2.0	\$44.32
Hydroseeder	23474	\$12.44	4.0	\$49.76
Dump Trucks		\$13.31	78.0	\$1,038.18
Pickup Trucks		\$4.12	264.0	\$1,087.68
Total Equipment Cost				\$5,393.24

Cost/hour excludes fuel cost.

Total Cost: \$59,005.72

Site Photographs

During



After



Project: Colonial Heights Phase IV

Activity: Drainage Maintenance














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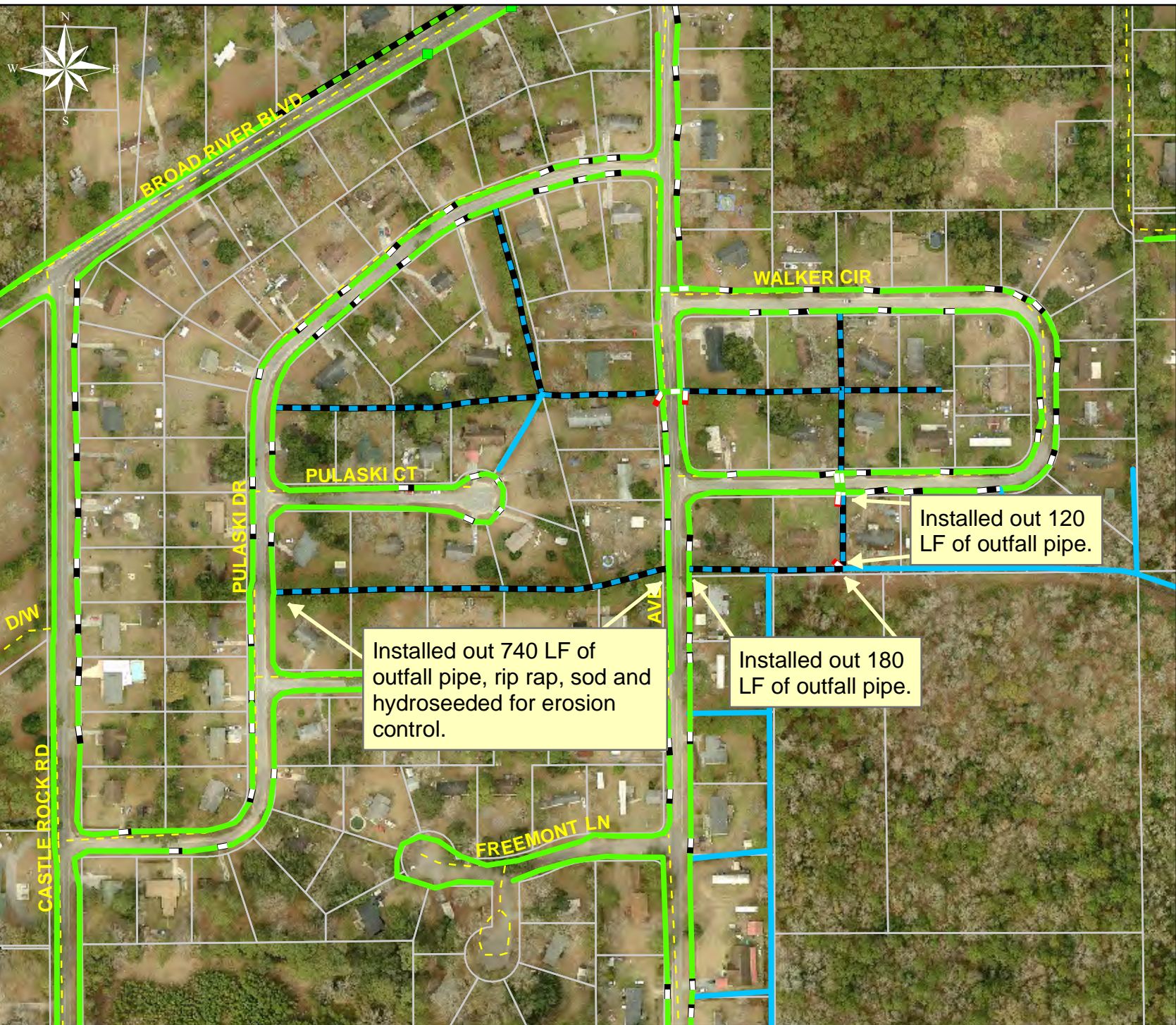
Township: Port Royal Island

Completed: March 2011

Legend

Drainage Type

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



1 inch = 247 feet