



Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Joe Frazier Road Outfall

Project #: 2011-527 Completed: Aug-10

Narrative Description of Project:
Project improved 1,236 L.F. of drainage system. Bush hogged 632 L.F. of outfall ditch and workshelf. Cleaned out 695 L.F. of outfall ditch. Jetted (1) crossline pipe, (2) access pipes and 541 L.F. of roadside pipe.

Material Cost, Rental Equipment Summary, and Labor

| Material | Unit | Cost/Unit | Qty | Cost |
|--|--------|-----------|-------|-------------------|
| Pin Flags | each | \$0.06 | 7.0 | \$0.42 |
| Water | gallon | \$0.01 | 3,300 | \$33.00 |
| Debris Disposal | ton | \$33.00 | 2.7 | \$87.45 |
| Diesel | gallon | \$2.71 | 194.7 | \$527.64 |
| Gas | gallon | \$2.48 | 25.0 | \$62.00 |
| Excavator Rental | | | | \$117.51 |
| Labor | hours | | 227.0 | \$4,911.34 |
| Indirect Labor, Services, and Supplies | | | | \$3,382.60 |
| Total Cost of Materials, Rental Equip., and Labor | | | | \$9,121.96 |

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 | 8.0 | \$433.04 |
| JCB Backhoe | 22810 | \$36.50 | 6.0 | \$219.00 |
| Bobcat T320 | 23388 | \$21.00 | 2.0 | \$42.00 |
| Bush Hog | 22822 | \$38.64 | 7.0 | \$270.48 |
| Bush Hog | 23362 | \$29.88 | 3.0 | \$89.64 |
| Lowboy | 23118 | \$34.64 | 4.0 | \$138.56 |
| Vacuum Truck | 22812 | \$22.16 | 5.0 | \$110.80 |
| Dump Trucks | | \$13.31 | 32.0 | \$425.92 |
| Pickup Trucks | | \$4.12 | 64.0 | \$263.68 |
| Total Equipment Cost | | | | \$1,993.12 |

Cost/hour excludes fuel cost.

Total Cost: \$11,115.08

Site Photographs

Before



During



After



Project: Joe Frazier Road Outfall
Map 1

Activity: Drainage Maintenance















Project #:
2011-527

Township: Port Royal Island

Completed:
August 2010

Legend

Drainage Type

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



Bush hogged 632 LF of outfall ditch and workshelf.

Cleaned out 695 LF of outfall ditch.



1 inch = 176 feet

Project: Joe Frazier Road Outfall
Map 2

Activity: Vacuum Truck















Project #:
2011-527

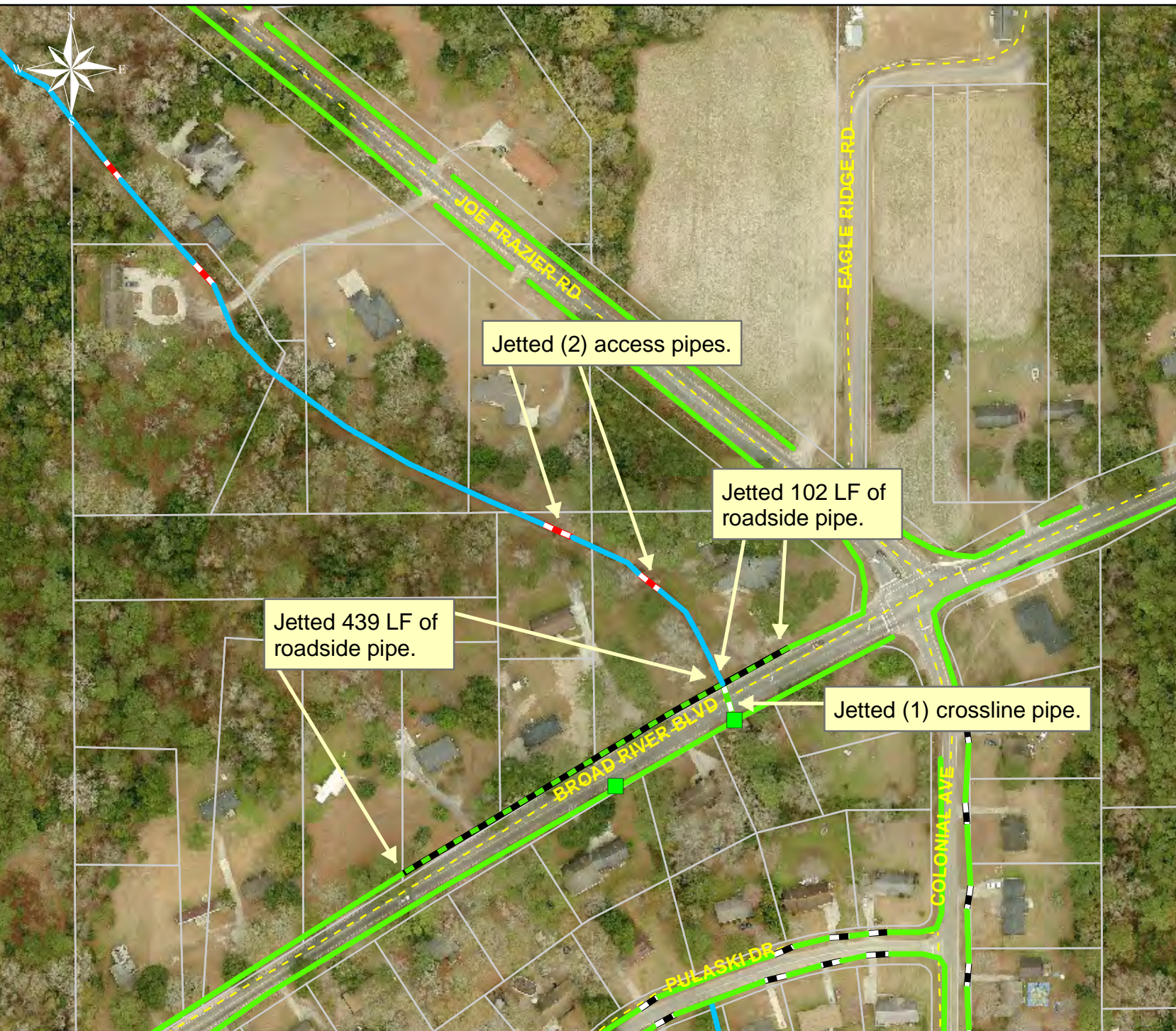
Township: Port
Royal Island

Completed:
August 2010

Legend

Drainage Type

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



1 inch = 176 feet

Prepared By: BC Stormwater Management Utility
Date Print: 1/25/11

File: C:/sethdata/projects/projectmaps/Vac/Joe Frazier Outfall 2011-527 Map2