



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

Project Summary: Colonial Heights - Phase I

Project #: 2011-047

Completed: Oct-10

**Narrative Description of Project:**

Project improved 1,883 L.F. of drainage system. Grubbed and cleared 1,883 L.F of outfall ditch and workshelf for pipe installation.

**Material Cost, Rental Equipment Summary, and Labor**

Material	Unit	Cost/Unit	Qty	Cost
Fill Dirt	ton	\$1.00	180.3	\$180.29
Recycled Concrete	ton	\$1.00	3.5	\$3.54
Water	gallon	\$0.01	1,500	\$15.00
Caution Tape	roll	\$14.55	0.1	\$1.46
4ft Flag	each	\$0.34	4.0	\$1.36
Debris Disposal	ton	\$33.00	3.0	\$99.66
Debris Disposal	ton	\$17.00	249.2	\$4,236.23
Gas	gallon	\$2.49	192.0	\$478.08
Diesel	gallon	\$2.56	1,158.4	\$2,965.50
Portable Toilet Service				\$132.50
Tree Removal Service				\$9,500.00
Labor	hours		1,303.5	\$28,912.24
Indirect Labor, Services, and Supplies				\$20,154.31
<b>Total Cost of Materials, Rental Equip., and Labor</b>				\$66,680.16

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

**Equipment Cost**

Item	Asset No.	Cost/Hour	Hrs.	Cost
Volvo 290 Excavator	22870	\$54.13	5.0	\$270.65
Volvo 330 Excavator	22993	\$59.32	23.0	\$1,364.36
CAT 325 Excavator	16649	\$22.84	30.0	\$685.20
Komatsu Mini Excavator	23000	\$14.90	3.0	\$44.70
JCB Urban Excavator	23364	\$31.45	1.0	\$31.45
New Holland Loader	19968	\$47.93	2.0	\$95.86
JD Loader 444J	23271	\$29.75	4.0	\$119.00
JCB Backhoe	22810	\$36.50	3.0	\$109.50
Bobcat T300	22847	\$20.10	11.0	\$221.10
Bobcat T320	23388	\$21.00	40.0	\$840.00
Lowboy	23118	\$34.64	9.0	\$311.76

**Site Photographs**

Before



During



After



**Colonial Heights - Phase I Project Summary Con't**

Project #: 2011-047

**Equipment Cost**

Item	Asset No.	Cost/Hour	Hrs.	Cost
Vacuum truck	22812	\$22.16	4.0	\$88.64
Chipper	19411	\$7.64	32.0	\$244.48
Dump Trucks		\$13.31	232.5	\$3,094.58
Pickup Trucks		\$4.12	398.0	\$1,639.76
<b>Total Equipment Cost</b>				\$9,161.04

Cost/hour excludes fuel cost.

Total Cost: \$75,841.20

**Site Photographs**

Before



During





Project: Colonial Heights - Walker Circle Phase I

Activity: Drainage Maintenance














Project #:  
2011-047

Township: Port Royal Island

Completed:  
October 2010

### Legend

#### Drainage Type

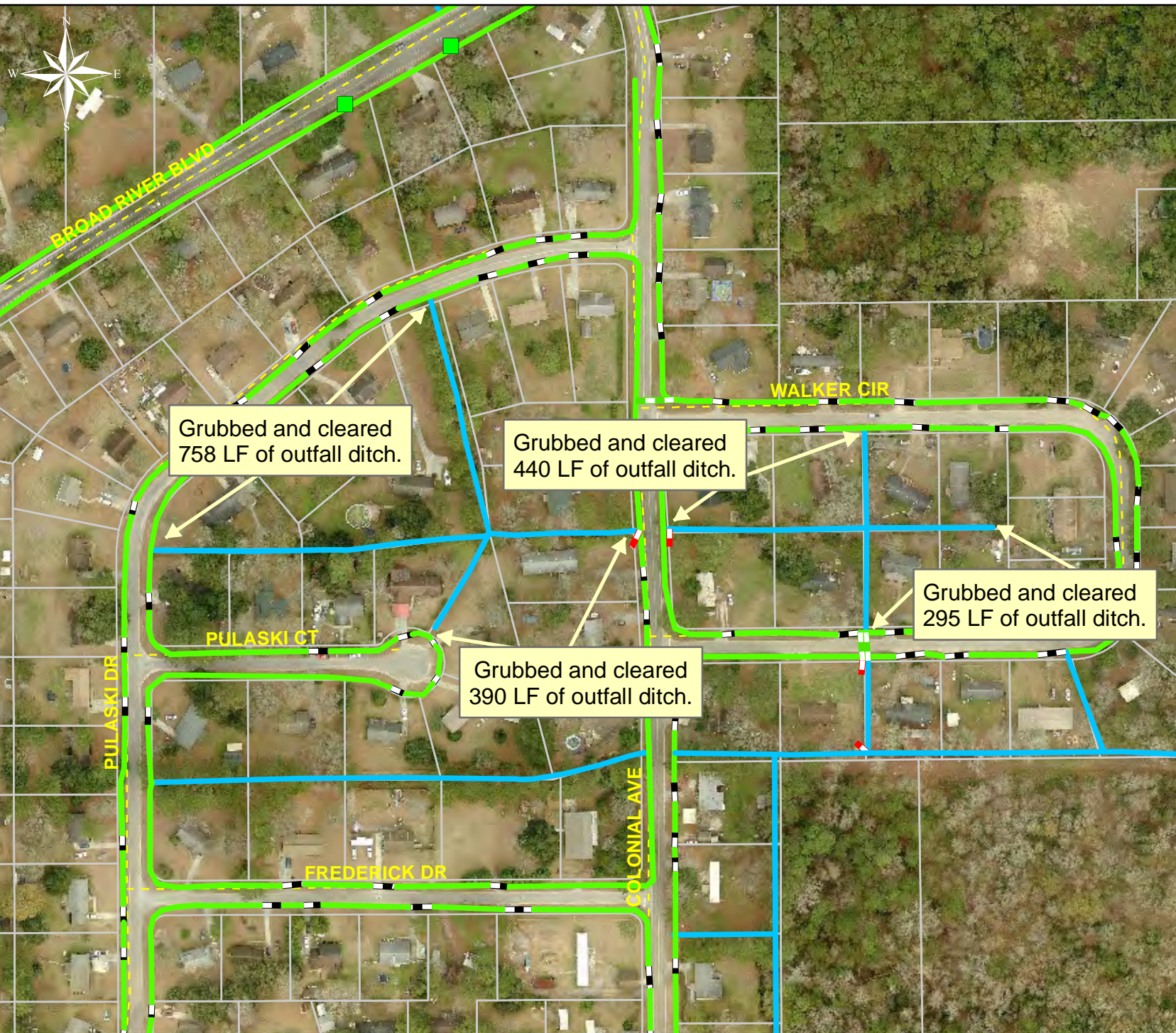
-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels

Grubbed and cleared  
758 LF of outfall ditch.

Grubbed and cleared  
440 LF of outfall ditch.

Grubbed and cleared  
295 LF of outfall ditch.

Grubbed and cleared  
390 LF of outfall ditch.



0 50 100 200 300 400  
Feet

1 inch = 198 feet

Prepared By: BC Stormwater Management Utility

Date Print: 1/28/11

File: C:/sethdata/projects/projectmaps/Colonial Heights Walker Cir Ph I 2011-047