

Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Big Road

Project #: 2010-085

Bobcat T300

Bush Hog

JD Loader 444J

Vacuum Truck

Completed: Mar-10

Before

During

Narrative Description of Project:

Project improved 522 L.F. of drainage system. Removed debris and trash from flowline and fallen trees from workshelf. Bush hogged 362 L.F. of outfall ditch. Cleaned out 100 L.F. of outfall ditch. Upsized (2) access pipes to correct elevation. Jetted (2) access pipes. Installed rip rap for erosion control.

Material Cost Rental Equipment Summary and Labor

Material	Unit	Unit Cost/Unit C		Cost	
24" HDPE Pipe	linear feet	\$13.89 80.		\$1,111.20	
Fill Dirt	ton	\$1.00 84.8		\$84.84	
Rip Rap	ton	\$47.08 22.4		\$1,053.18	
#57 Stone	ton	\$34.78	13.7	\$474.75	
Filter Blanket	sy	\$0.63	83.3	\$52.50	
Silt Fence	sy	\$0.78	27.2	\$21.23	
Turf Staples	each	\$0.03	100.0	\$3.00	
Water	gallon	\$0.01	1,500	\$15.00	
Annual Rye Grass Seed	bag	\$0.00	0.5	\$0.00	
Debris Disposal	ton	\$30.59	13.3	\$405.32	
Debris Disposal	ton	\$16.00	4.0	\$64.64	
Gas	gallon	\$2.59	46.0	\$119.14	
Diesel	gallon	\$2.57	179.3	\$460.80	
Labor	hours		310.5	\$10,564.03	
Total Cost of Materials, F	\$14,429.62				
Note: Labor cost includes t Equipment Cost	he employe	e's salary pl	us fringe	e benefits.	
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ltem	Asset No.	Cost/Hou	Hrs.	Cost	
Item Komatsu Mini Excavator	Asset No. 23000	Cost/Hou \$18.65	нг з. 3.0	Cost \$55.95	

22847

23271

21300

22812

\$20.10

\$29.75

\$35.00

\$20.30

2.0

6.0

7.0

3.0

\$40.20

\$178.50

\$245.00

\$60.90

Site Photographs





Big Road Project Summary Con't

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Equipment Cost						
Item	Asset No.	Cost/Hou	Hrs.	Cost		
Dump Trucks		\$16.68	50.0	\$834.00		
Pickup Trucks		\$4.17	86.0	\$358.62		
Total Equipment Cost				\$2,722.17		

Cost/hour excludes fuel cost.

Total Cost:

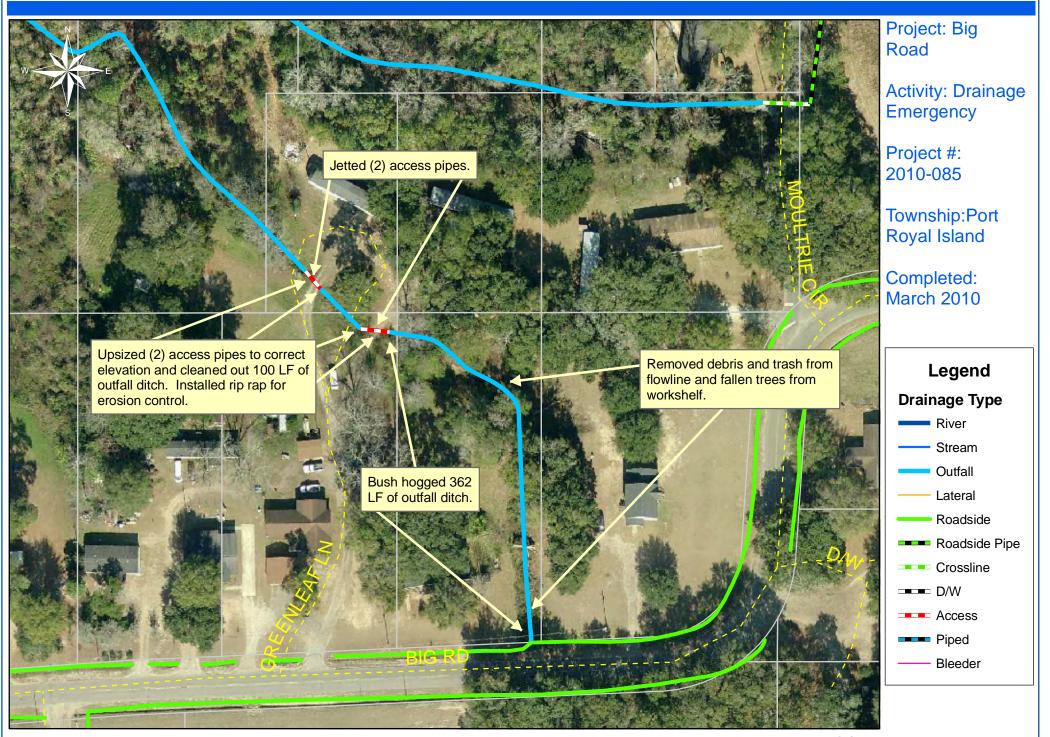
\$17,151.79

Site Photographs





After



0 20 40 80 120 160 Feet

1 inch equals 87.74 feet

Prepared By: BC Stormwater Management Utility Date Print: 3/31/10 File:C:\project summaries map\Big Rd 2010-085