



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

Project Summary: Mattis Drive Outfall

Project #: 2009-103 Completed: Sep-09

Narrative Description of Project:

Project improved 1,460 L.F. of drainage system. Bush hogged 1,460 L.F. of outfall ditch. Grubbed and cleared 250 L.F. of workshelf. Cleaned out 400 L.F. of outfall ditch. Installed (3) catch basins and 1,028 L.F. of outfall pipe. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
24" HDPE Pipe	linear feet	\$13.89	1,040	\$14,445.60
4x4 Catch Basin	each	\$573.52	3.0	\$1,720.56
Fill Dirt	ton	\$1.00	1,013	\$1,012.78
Rip Rap	ton	\$47.08	14.9	\$701.96
#57 Stone	ton	\$36.09	13.7	\$492.63
Silt Fence	sy	\$0.78	23.3	\$18.17
Silt Fence w/Stakes	sy	\$0.49	173.1	\$84.82
Filter Blanket Woven	sy	\$0.63	41.7	\$26.25
Turf Staples	each	\$0.03	20.0	\$0.60
Masonry Cement	bag	\$6.55	6.0	\$39.30
Concrete Brick	each	\$0.36	160.0	\$57.60
All Purpose Sand	bag	\$3.80	12.0	\$45.60
10-10-10 Fertilizer	bag	\$11.72	4.0	\$46.88
Hydromulch	bales	\$12.22	8.0	\$97.76
Hydromax Liquid Fertilizer	cup	\$2.54	4.0	\$10.16
Hydrogel	cup	\$2.82	4.0	\$11.28
Annual Rye Grass Seed	bag	\$19.21	4.0	\$76.84
Debris Disposal	ton	\$33.00	14.4	\$473.88
Pin Flag	each	\$0.06	24.0	\$1.44
Water	gallon	\$0.01	2,000	\$20.00
Gas	gallon	\$2.24	117.5	\$263.20
Diesel	gallon	\$2.20	1,428	\$3,141.60
Labor	hours		1,026.5	\$34,944.43
Total Cost of Materials, Rental Equip., and Labor				\$57,733.35

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

Site Photographs

Before



During



After



Mattis Drive Outfall Project Summary Cont

Project #: 2009-103

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Volvo 290 Excavator	22870	\$49.56	42.0	\$2,081.52
CAT Dozer	23125	\$35.50	17.0	\$603.50
Bobcat T200	22872	\$17.40	5.0	\$87.00
Bobcat T300	22847	\$20.10	11.0	\$221.10
Bobcat T320	23388	\$21.00	14.0	\$294.00
JD Loader 444J	23271	\$29.75	24.0	\$714.00
Lowboy	23118	\$34.64	4.0	\$138.56
Hydroseeder	18909	\$7.35	5.0	\$36.75
Dump Trucks		\$16.68	258.0	\$4,303.44
Pickup Trucks		\$4.17	229.0	\$954.93
Total Equipment Cost				\$9,434.80

Cost/hour excludes fuel cost.

Total Cost: \$67,168.15

Site Photographs

Before



During



After



Project: Mattis Drive Outfall
Map I

Activity: Drainage Improvement

Project #: 2009-103

Township: St. Helena Island

Completed: September 2009



Legend

Drainage Type

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



1 inch equals 150.46 feet

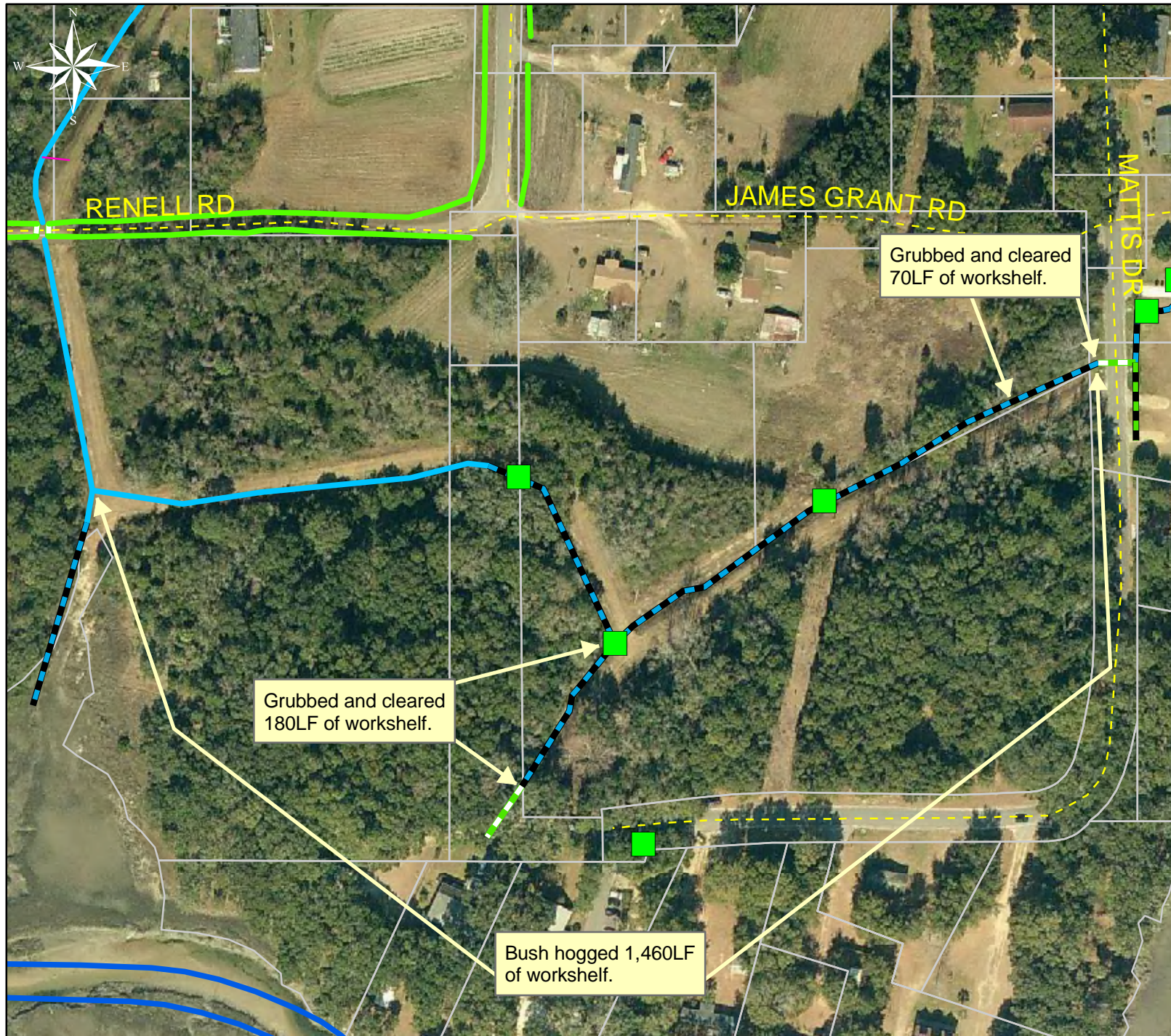
Project: Mattis Drive Outfall
Map II

Activity: Drainage Improvement

Project #: 2009-103












Township: St. Helena Island

Completed: September 2009



Legend

Drainage Type

-  River
-  Stream
-  Outfall
-  Lateral
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-  Access
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-  Parcels

0 37.5 75 150 225 300
Feet

1 inch equals 150.46 feet

Prepared By: BC Stormwater Management Utility

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File: C:/sethdata/projects/projectmaps/Mattis Dr Outfall 2009-103 Map II