



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Toomer Road/Old Ben Road
 Project #: 2009-129 Completed: Jul-09
 Narrative Description of Project:
 Project improved 8,484 L.F. of drainage system. Cleaned out 7,029 L.F. of roadside ditch and 1,455 L.F. of outfall ditch. Reinstalled (2) driveway pipes and (1) access pipe to correct elevation. Jetted (3) crossline pipes and (36) driveway pipes. Repaired washout.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
Fill Dirt	ton	\$1.00	5.3	\$5.30
FLBC	ton	\$26.62	6.7	\$178.89
Asphalt	ton	\$79.18	2.0	\$158.36
Tack	gallon	\$2.68	1.5	\$4.02
Silt Fence	sy	\$0.78	14.8	\$11.53
Pin Flag	each	\$0.06	10.0	\$0.60
Water	gallon	\$0.01	17,200	\$172.00
Excavator Rental				\$435.14
Diesel	gallon	\$2.15	944.5	\$2,030.68
Gas	gallon	\$2.19	93.5	\$204.77
Labor	hours		1179.5	\$40,464.35
Total Cost of Materials, Rental Equip., and Labor				\$43,665.63

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

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	105.0	\$1,958.25
Bobcat T200	22782	\$17.40	11.0	\$191.40
Bobcat T300	22847	\$20.10	1.0	\$20.10
JD Loader 444J	22810	\$36.50	1.0	\$36.50
Vacuum Truck	22812	\$20.30	41.0	\$832.30
Asphalt Roller	20237	\$14.78	1.0	\$14.78
Dump Trucks		\$16.68	259.0	\$4,320.12
Pickup Trucks		\$4.17	262.0	\$1,092.54
Total Equipment Cost				\$8,465.99

Cost/hour excludes fuel cost.
 Total Cost: \$52,131.62

Site Photographs

Before



During



After



Project: Toomer Road & Old Ben Road Map 1

Activity: Drainage Maintenance












Project #: 2009-129

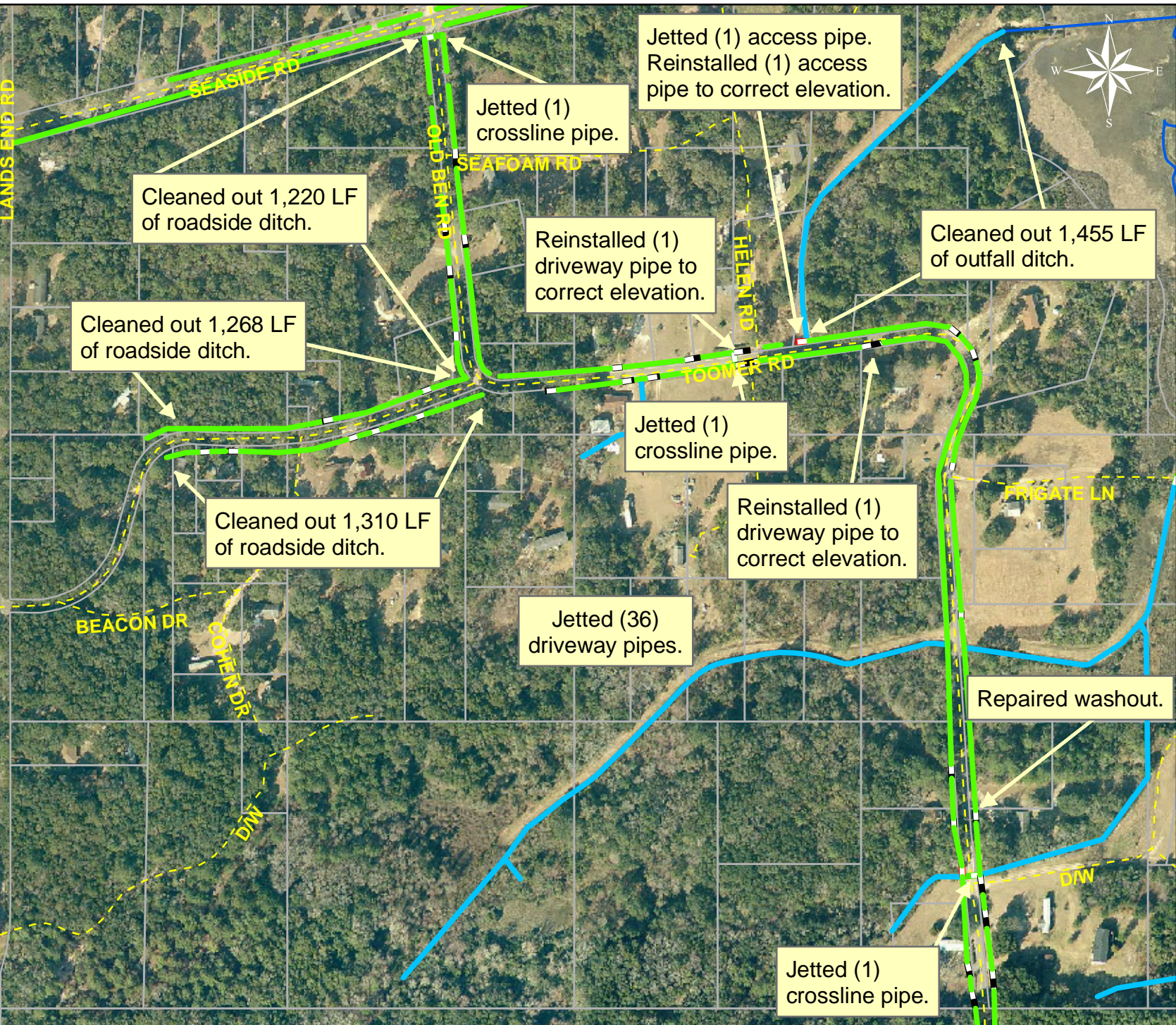
Township: St. Helena Island

Completed: July 2009

Legend

Drainage Type

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



1 inch equals 311.39 feet

Project: Toomer Road & Old Ben Road Map 2

Activity: Drainage Maintenance












Project #: 2009-129

Township: St. Helena Island

Completed: July 2009

Legend

Drainage Type

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

Cleaned out 1,969 LF of roadside ditch.

Cleaned out 1,262 LF of roadside ditch.



1 inch equals 311.39 feet

Prepared By: BC Stormwater Management Utility

Date Print: 7/20/09

File: C:/sethdata/projects/projectmaps/Toomer/old ben Rd map 2 2009_129