



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

Project Summary: Forest Field Subdivision - Clydesdale Circle

Project #: 2010-083                                Completed: Nov-09

Narrative Description of Project:  
Cleaned out 78 L.F of roadside ditch. Replaced (1) crossline pipe to correct elevation. Replaced (2) driveway pipes to correct elevation. Installed rip rap for erosion control. Handseeded and hydroseeded for erosion control.

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

Material	Unit	Cost/Unit	Qty	Cost
15" RCP Pipe	linear feet	\$10.38	64.0	\$664.32
18" RCP Pipe	linear feet	\$12.41	48.0	\$595.68
Fill Dirt	ton	\$1.00	53.0	\$53.03
Rip Rap	ton	\$47.08	11.2	\$526.35
FLBC	ton	\$26.55	16.8	\$446.04
#57 Stone	ton	\$36.09	13.7	\$492.63
Asphalt	ton	\$79.18	8.0	\$633.44
Tack	gallon	\$2.68	5.0	\$13.40
Flowable Fill	cy	\$79.18	25.0	\$1,979.50
Concrete	cy	\$150.21	5.8	\$863.71
Silt Fence	sy	\$0.78	25.3	\$19.72
Filter Blanket Woven	sy	\$0.63	83.3	\$52.50
Turf Staples	each	\$0.03	40.0	\$1.20
10-10-10 Fertilizer	bag	\$11.72	2.0	\$23.44
Hydromulch	bales	\$12.22	2.0	\$24.44
Hydromax Liquid Fertilizer	cup	\$2.54	1.0	\$2.54
Hydrogel	cup	\$2.82	1.0	\$2.82
Annual Rye Grass Seed	bag	\$19.21	2.5	\$48.03
Water	gallon	\$0.01	500.0	\$5.00
Gas	gallon	\$2.47	38.0	\$93.86
Diesel	gallon	\$2.43	246.0	\$597.78
Labor	hours		394.5	\$13,857.29
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$20,996.71</b>

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

**Equipment Cost**

Item	Asset	Cost/Hou	Hrs.	Cost
JCB Urban Excavator	23364	\$40.53	11.0	\$445.83

**Site Photographs**

Before



During



After



**Forest Field Subdivision-Clydesdale Circle Project Summary Cont**

Project #: 2010-083

**Equipment Cost**

Item	Asset	Cost/Hou	Hrs.	Cost
Bobcat T320	22847	\$21.00	10.0	\$210.00
JD Loader 444J	23271	\$29.75	7.0	\$208.25
Hydroseeder	18909	\$7.53	1.0	\$7.53
Asphalt Roller	20237	\$14.78	3.0	\$44.34
Dump Trucks		\$16.68	48.0	\$800.64
Pickup Trucks		\$4.17	99.0	\$412.83
<b>Total Equipment Cost</b>				<b>\$2,129.42</b>

Cost/hour excludes fuel cost.

Total Cost: \$23,126.13

**Site Photographs**

Before

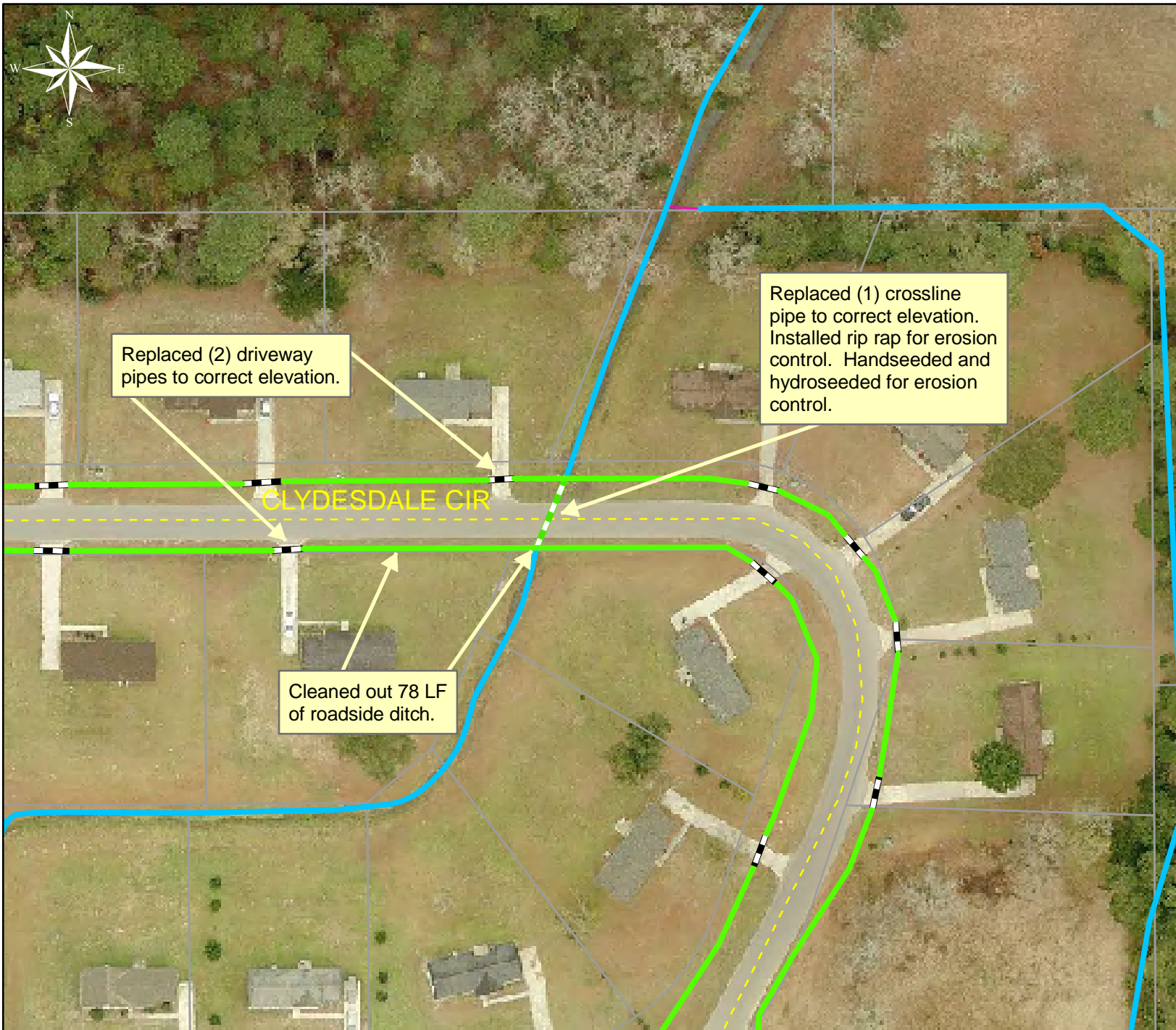


During



After





Project: Forrest Field Subdivision/  
Clydesdale Circle

Activity:  
Ditch Maintenance













Project #:  
2010-083

Township:  
Port Royal Island

Completed:  
November 2009

**Legend**

**Drainage Type**

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



1 inch equals 77.71 feet

Prepared By: BC Stormwater Management Utility

Date Print: 2/17/10

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