



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Wimbee Landing Road
 Project #: 2010-158 Completed: Apr-10

Narrative Description of Project:
 Project improved 4,083 L.F. of drainage system. Removed blockage from flowline. Cleaned out 4,083 L.F. of roadside ditch. Replaced (2) access pipes. Jetted (2) crossline pipes, (3) driveway pipes and (2) access pipes. Installed rip rap and handseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
24" HDPE Pipe	linear feet	\$13.89	40.0	\$555.60
36" HDPE Pipe	linear feet	\$26.41	20.0	\$528.20
Fill Dirt	ton	\$1.00	111.4	\$111.35
Rip Rap	ton	\$47.08	18.6	\$877.57
Filter Blanket Woven	sy	\$0.63	41.7	\$26.25
Silt Fence	sy	\$0.78	3.9	\$3.03
Turf Staples	each	\$0.03	35.0	\$1.05
Annual Rye Grass Seed	bag	\$19.21	1.0	\$19.21
Pin Flag	each	\$0.06	36.0	\$2.16
Water	gallon	\$0.01	3,000	\$30.00
Gas	gallon	\$2.67	60.0	\$160.20
Diesel	gallon	\$2.70	630.5	\$1,702.35
Labor	hours		633.5	\$21,161.98
Total Cost of Materials, Rental Equip., and Labor				\$25,178.96

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

Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
CAT 325 Excavator	16649	\$22.51	43.0	\$967.93
JCB Urban Excavator	23364	\$40.53	3.0	\$121.59
JD Joader 444J	23271	\$29.75	4.0	\$119.00
Bobcat T300	22847	\$20.10	13.0	\$261.30
Bobcat T320	23388	\$21.00	10.0	\$210.00
Lowboy	23118	\$34.64	5.0	\$173.20
Vacuum Truck	22812	\$20.30	5.0	\$101.50

Site Photographs

Before



During



After



Wimbee Landing Road Outfall Project Summary Con't

Project #: 2010-158

Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
Dump Trucks		\$16.68	147.0	\$2,451.96
Pickup Trucks		\$4.17	177.0	\$738.09
Total Equipment Cost				\$5,144.57

Cost/hour excludes fuel cost.

Total Cost: \$30,323.53

Site Photographs

Before



During



Project: Wimbee Landing Road
Map 1

Activity: Drainage Maintenance














Project #: 2010-158

Township: Sheldon

Completed: April 2010

Legend

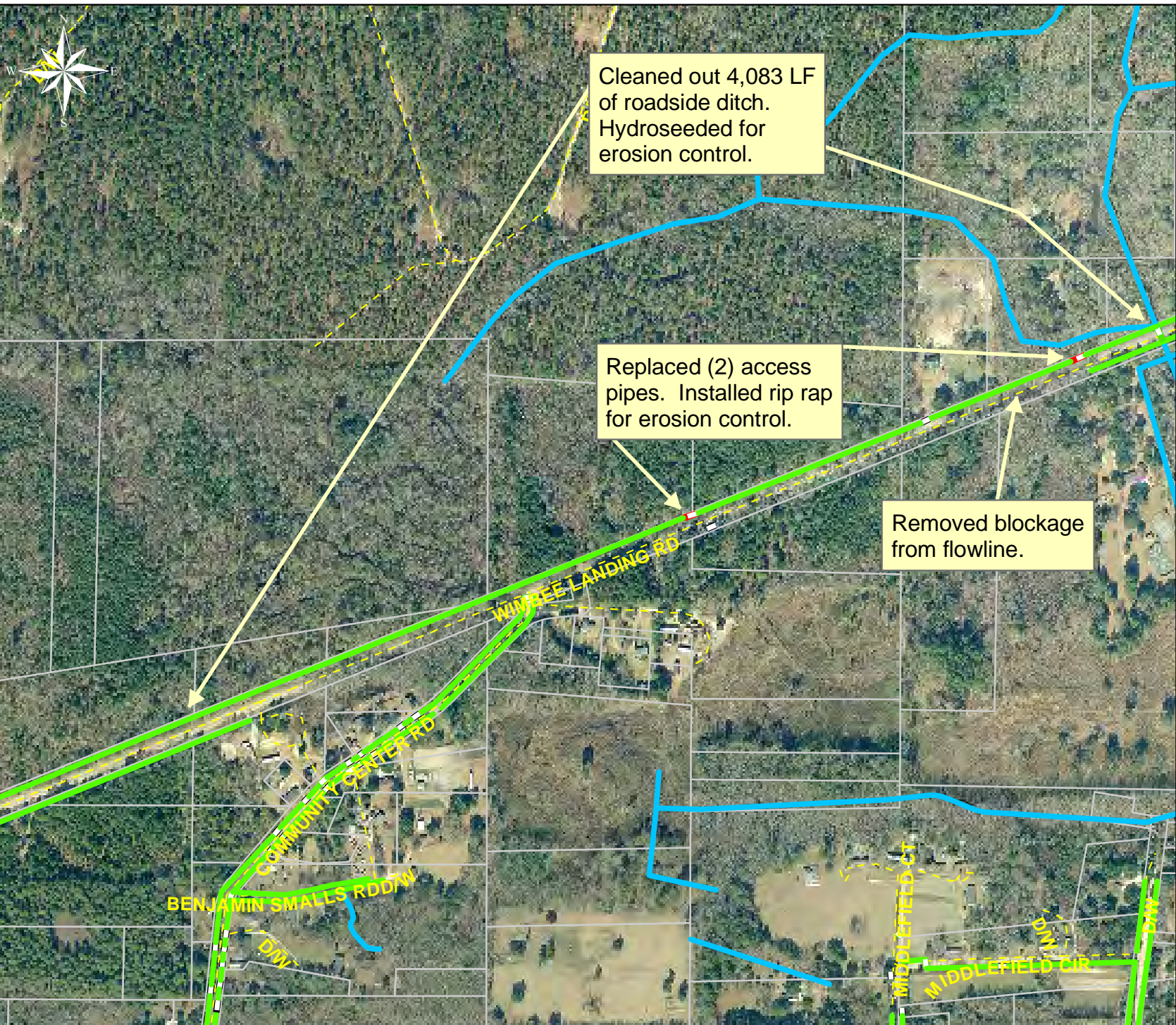
Drainage Type

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

Cleaned out 4,083 LF of roadside ditch. Hydroseeded for erosion control.

Replaced (2) access pipes. Installed rip rap for erosion control.

Removed blockage from flowline.



1 inch = 557 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/22/10

File: C:/sethdata/projects/projectmaps/Wimbee Ldng Rd 2010-158

Project: Wimbee
Landing Road
Map 2

Activity: Vacuum
Truck














Project #:
2010-158

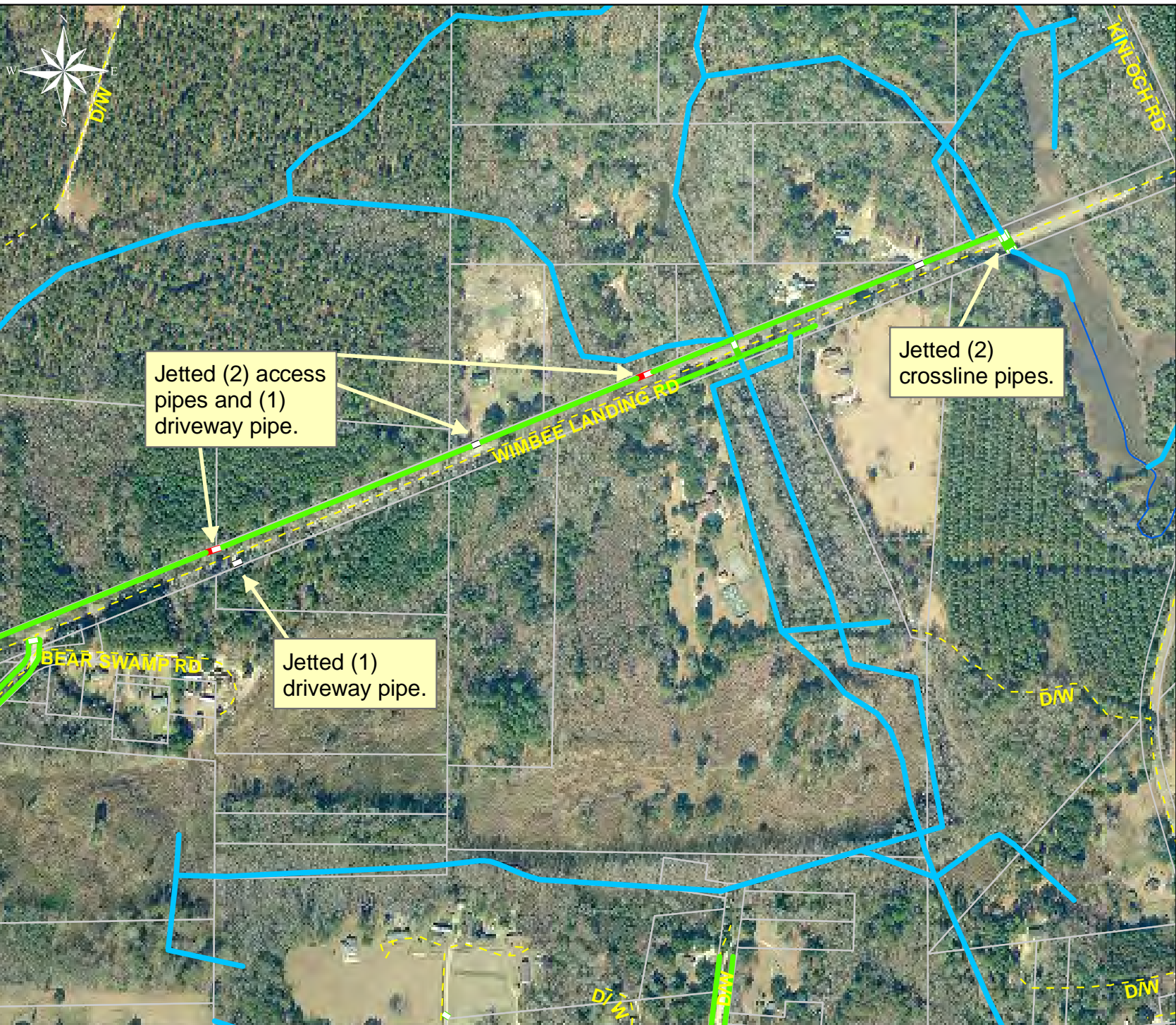
Township:
Sheldon

Completed:
April 2010

Legend

Drainage Type

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



0 130 260 520 780 1,040
Feet

1 inch = 501 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/22/10

File:C:/sethdata/projects/projectmaps/VacTruck/Wimbee Ldng Rd 2010-158 Map2

Project: Wimbee
Landing Road
Map 3

Activity: Vacuum
Truck














Project #:
2010-158

Township:
Sheldon

Completed:
April 2010

Legend

Drainage Type

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



0 80 160 320 480 640
Feet

1 inch = 301 feet

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File: C:/sethdata/projects/projectmaps/VacTruck/Wimbee Ldng Rd 2010-158 Map3