



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Rail Bed Road Outfall

Project #: 2008-163

Completed: Jan-09

Narrative Description of Project:

Grubbed and cleared 1,450 of workshelf. Bush hogged 1,450 L. F. of outfall ditch. Cleaned out 40 L.F. of roadside ditch. Installed (4) bleeder pipes and (1) access pipe. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
12" HDPE Pipe	linear feet	\$4.86	80.0	\$388.80
18" HDPE Pipe	linear feet	\$8.71	20.0	\$174.20
16ft Gate	each	\$227.79	1.0	\$227.79
Gate Accessories				\$25.24
Fill Dirt	ton	\$1.00	42.4	\$42.40
Rip Rap	ton	\$49.22	3.7	\$182.11
Filter Blanket Woven	sy	\$0.48	27.8	\$13.34
Turf Staples	each	\$0.03	40.0	\$1.20
Quikrete Concrete	40lb bag	\$3.19	4.0	\$12.76
10-10-10 Fertilizer	bag	\$14.55	3.0	\$43.65
Hydrogel	cup	\$2.82	3.0	\$8.46
Hydromulch	bale	\$16.75	6.0	\$100.50
Hydromax Liquid Fertilizer	cup	\$2.93	3.0	\$8.79
Annual Rye Grass Seed	bag	\$29.35	3.0	\$88.05
Water	gallon	\$0.01	1,500	\$15.00
Sediment Log	each	\$43.71	1.0	\$43.71
Pin Flag	each	\$0.06	16.0	\$0.96
4ft Flagger	each	\$0.34	5.0	\$1.70
Debris Disposal	ton	\$16.00	68.7	\$1,099.20
Gas	gallon	\$1.62	34.4	\$55.73
Diesel	gallon	\$1.88	543.0	\$1,020.84
Labor	hours		374.0	\$13,043.88
Total Cost of Materials, Rental Equip., and Labor				\$16,598.32

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

Equipment Cost

Item	Asset	Cost/Hour	Hrs.	Cost
Volvo Excavator	22870	\$49.56	30.0	\$1,486.80

Site Photographs

Before



During



After



Rail Bed Road Outfall Project Summary Con't

Project #: 2008-163

Equipment Cost

Item	Asset	Cost/Hour	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	3.0	\$55.95
Komatsu Urban Excavator	19325	\$37.50	8.0	\$300.00
Bush Hog	22822	\$38.64	3.0	\$115.92
Bobcat T200	22847	\$17.40	3.0	\$52.20
Cat Dozer	23215	\$35.50	8.0	\$284.00
Hydroseeder	18909	\$10.70	3.0	\$32.10
Lowboy	23118	\$29.35	2.0	\$58.70
Dump Trucks		\$16.68	62.0	\$1,034.16
Pickup Trucks		\$5.43	109.0	\$591.87
Total Equipment Cost				\$4,011.70

Cost/hour excludes fuel cost.

Total Cost: \$20,610.02

Site Photographs

Before



During



After



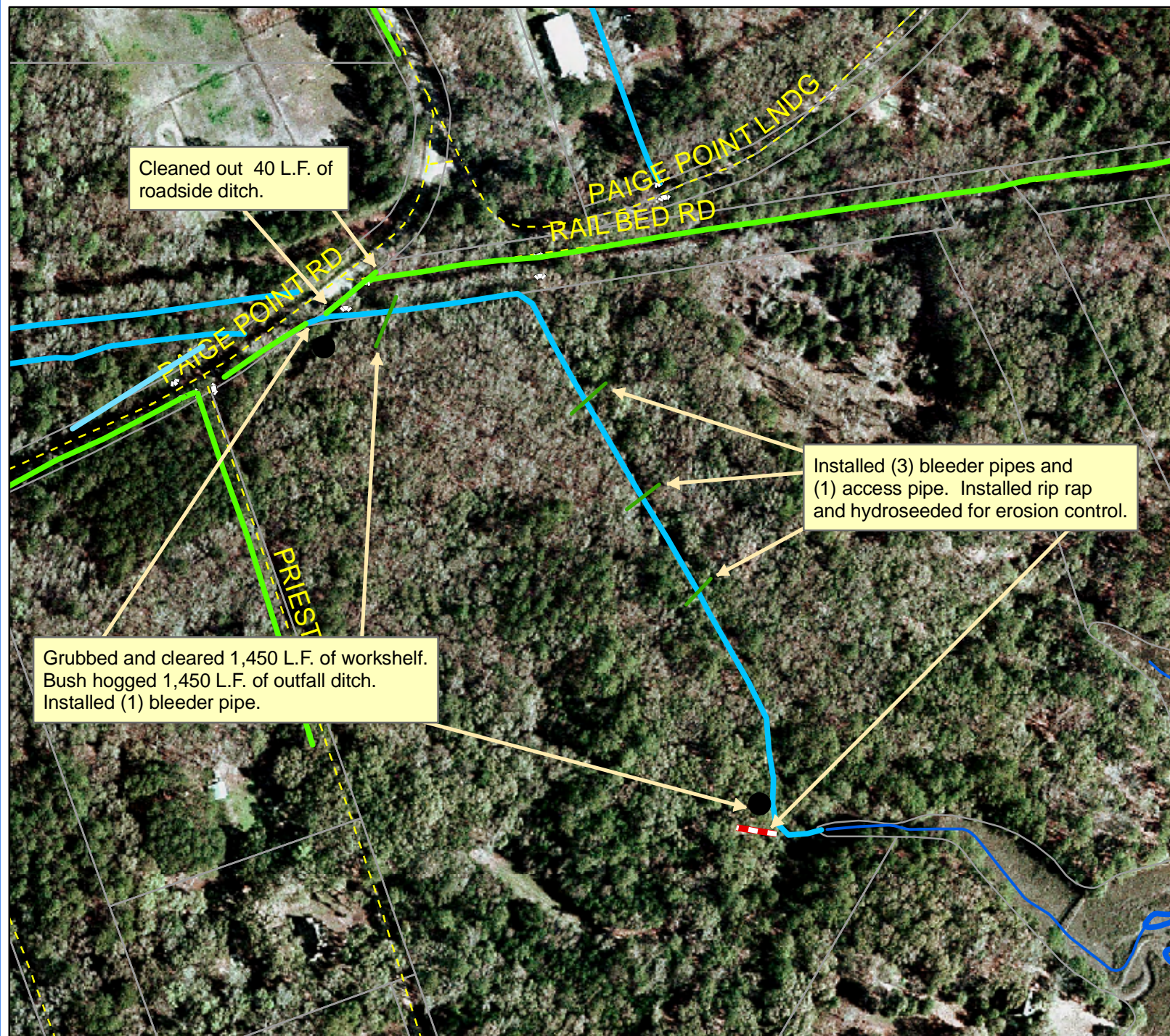
Project: Rail Bed
Road Outfall

Activity: Ditch
Maintenance

Project #: 2008-163












Township: Sheldon

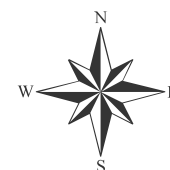
Completed:
January 2009



Legend

Drainage Type

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



0 95 190 380 570 760
Feet

1 inch equals 264.92 feet

Prepared By: BC Stormwater Management Utility
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File: C:/sethdata/projects/projectmaps/Rail Bed Rd 08-163