



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Prescott Road

Project #: 2004-86 Completed: Mar-10

Narrative Description of Project:
 Project improved 1,843 L.F. of drainage system. Grubbed, cleared and cleaned out 1,115 L.F. of outfall ditch and workshelf. Constructed 708 L.F. of roadside ditch. Installed (1) crossline pipe and 20 L.F. of roadside pipe. Reinstalled (1) access pipe. Repaired (1) crossline pipe. Jetted (1) access pipe. Installed rip rap, handseeded and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" RCP Pipe	linear feet	\$9.62	16.0	\$153.92
18" RCP Pipe	linear feet	\$11.47	80.0	\$917.60
18" HDPE Pipe	linear feet	\$8.71	20.0	\$174.20
Fill Dirt	ton	\$1.00	74.2	\$74.24
Rip Rap	ton	\$47.08	7.5	\$350.98
#57 Stone	ton	\$34.78	13.7	\$474.75
Asphalt	ton	\$79.18	7.6	\$603.35
Flowable Fill	cy	\$79.18	29.0	\$2,296.22
FLBC	ton	\$26.55	10.1	\$267.62
Recycled Concrete	ton	\$1.00	70.9	\$70.88
Filter Blanket	sy	\$0.63	41.7	\$26.25
Turf Staples	each	\$0.03	65.0	\$1.95
Silt Fence	sy	\$0.78	40.8	\$31.85
Concrete Bricks	each	\$0.36	30.0	\$10.80
Type "S" Cement	75 lb bag	\$9.35	3.0	\$28.05
All Purpose Sand	50 lb bag	\$3.80	7.0	\$26.60
10-10-10 Fertilizer	bag	\$11.72	4.0	\$46.88
Hydromulch	bale	\$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	1.0	\$19.21
Bermuda Grass Seed	bag	\$128.40	4.0	\$513.60
Water	gallon	\$0.01	2,205	\$22.05
Pin Flags	each	\$0.06	70.0	\$4.20
4ft Flagger	each	\$0.34	8.0	\$2.72
Flagging Tape	roll	\$1.87	0.1	\$0.19

Site Photographs

Before



During



After



Prescott Road Project Summary Con't

Project #: 2004-86

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
Debris Disposal	ton	\$16.00	5.2	\$82.56
Asphalt Roller Rental				\$73.69
Gas	gallon	\$2.59	178.3	\$461.67
Diesel	gallon	\$2.57	522.0	\$1,341.54
Labor	hours		818.0	\$28,063.26
Total Cost of Materials, Rental Equip., and Labor				\$36,260.02

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

Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
JCB Urban Excavator	23364	\$40.53	38.0	\$1,540.14
CAT Dozer	23125	\$35.50	1.0	\$35.50
JD Loader 444J	23271	\$29.75	17.0	\$505.75
Bobcat T320	23388	\$21.00	11.0	\$231.00
Vacuum Truck	22812	\$20.30	7.0	\$142.10
Hydroseeder	18909	\$7.35	2.0	\$14.70
Asphalt Roller	20237	\$14.78	2.5	\$36.95
Dump Trucks		\$16.68	141.0	\$2,351.88
Pickup Trucks		\$4.17	212.0	\$884.04
Total Equipment Cost				\$5,742.06

Cost/hour excludes fuel cost.

Total Cost: \$42,002.08

Site Photographs

Before



After



Project: Prescott Road Map 1


Activity: Drainage Maintenance

Project #: 2004-086

Township: Sheldon

Completed: March 2010

Legend

 Catch_Basins

Drainage Type

 River


 Stream

 Outfall


 Lateral

 Lateral Pipe

 Roadside

 Roadside Pipe

 Crossline

 D/W

 Access

 Piped

 Bleeder

 Parcels

Cleaned out 364 LF of outfall ditch and workshelf. Hydroseeded for erosion control.

Constructed 297 LF of roadside ditch. Reinstalled and jetted (1) access pipe.

Grubbed, cleared and cleaned out 221 LF of outfall ditch and workshelf.

Constructed 111 LF of roadside ditch.



1 inch equals 100 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/7/10

File:C:/sethdata/projects/projectmaps/Prescott Rd 2004-086 Map1

Project: Prescott
Road Map 2


Activity: Drainage
Maintenance

Project #:
2004-086

Township:
Sheldon

Completed:
March 2010

Legend

 Catch_Basins

Drainage Type

 River

 Stream

 Outfall

 Lateral

 Lateral Pipe

 Roadside

 Roadside Pipe

 Crossline

 D/W

 Access

 Piped

 Bleeder

 Parcels

Installed 20 LF of roadside
pipe. Constructed 300 LF
of roadside ditch.

Cleaned out 300
LF of outfall ditch
and workshelf.

Installed (1) crossline
pipe. Installed rip rap
for erosion control.

0 45 90 180 270 360
Feet

1 inch equals 119 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/7/10

File:C:/sethdata/projects/projectmaps/Prescott Rd 2004-086 Map2

Project: Prescott Road Map 3

Activity: Drainage Maintenance

Project #: 2004-086

Township: Sheldon

Completed: March 2010



Legend

■ Catch_Basins

Drainage Type

— River

— Stream

— Outfall

— Lateral

— Lateral Pipe

— Roadside

— Roadside Pipe

— Crossline

— D/W

— Access

— Piped

— Bleeder

□ Parcels



1 inch equals 132 feet

Prepared By: BC Stormwater Management Utility

Date Print: 10/7/10

File:C:/sethdata/projects/projectmaps/Prescott Rd 2004-086 Map3