

Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Halifax Drive

Project #: 2010-128

Completed: Mar-10

Before

Narrative Description of Project:

Project improved 3,103 L.F. of drainage system. Cleaned out 3,103 L.F. of roadside ditch. Installed (1) crossline pipe. Replaced (3) access pipes, (1) crossline pipe and (6) driveway pipes to correct elevation. Jetted (2) crossline 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	40.0	\$194.40	
15" RCP Pipe	linear feet	\$9.62	287.0	\$2,760.94	
Fill Dirt	ton	\$1.00	196.2	\$196.20	During
Rip Rap	ton	\$47.08	11.2	\$526.47	
#57 Stone	ton	\$34.78	34.1	\$1,186.87	
#4 Stone	ton	\$36.38	13.7	\$496.59	
Silt Fence	sy	\$0.78	48.6	\$37.92	
Filter Blanket Woven	sy	\$0.63	141.7	\$89.25	
Turf Staples	each	\$0.03	169.0	\$5.07	
Masonary Type S Cement	70 lb bag	\$9.35	0.5	\$4.68	
Concrete Brick	each	\$0.36	20.0	\$7.20	
All Purpose Sand	bag	\$3.80	1.0	\$3.80	
10-10-10 Fertilizer	bag	\$11.72	2.0	\$23.44	
Hydromulch	bale	\$12.22	4.0	\$48.88	
Hydrogel	cup	\$2.82	2.0	\$5.64	
Hydromax Liquid Fertilizer	cup	\$2.54	2.0	\$5.08	
Annual Rye Grass Seed	bag	\$19.21	2.0	\$38.42	After
Water	gallon	\$0.01	1,900	\$19.00	
Sediment Log	roll	\$32.10	2.0	\$64.20	
Straw Mat	roll	\$26.75	1.0	\$26.75	
Pin Flag	each	\$0.06	40.0	\$2.40	
4ft Flagger	each	\$0.34	32.0	\$10.88	
Marking Paint	can	\$4.44	3.0	\$13.32	
Caution Tape	roll	\$14.55	0.4	\$5.82	
Gas	gallon	\$2.59	125.5	\$325.05	
Diesel	gallon	\$2.57	955.0	\$2,454.35	







Site Photographs

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Material Cost, Rental Equipment Summary, and Labor						
Material	Unit	Cost/Unit	Qty	Cost		
Labor	hours		1,375.5	\$47,313.57		
Total Cost of Materials, Re		\$55,866.17				
Note: Labor cost includes th Equipment Cost	ne employee's	salary plus f	ringe ben	efits.		
Item	Asset No.	Cost/Hour	Hrs.	Cost		
Volvo 330 Excavator	22993	\$65.72	3.0	\$197.16		
Komatsu Mini Excavator	23000	\$18.65	60.5	\$1,128.33		
JCB Urban Excavator	23364	\$40.53	11.0	\$445.83		
JD Loader 444J	23271	\$29.75	11.5	\$342.13	During	
JCB Backhoe	22810	\$36.50	10.5	\$383.25		
JCB Backhoe (RDN)	16771	\$23.11	6.0	\$138.66		
Bobcat T300	22847	\$20.10	28.0	\$562.80		
Bobcat T320	23388	\$21.00	23.0	\$483.00		
Lowboy	23118	\$34.64	2.0	\$69.28		
Vacuum Truck	22812	\$20.30	3.0	\$60.90		
Hydroseeder	18909	\$7.35	2.0	\$14.70		
Dump Trucks		\$16.68	279.0	\$4,653.72		
Pickup Trucks		\$4.17	385.5	\$1,607.54		
Total Equipment Cost				\$10,087.29		

Cost/hour excludes fuel cost.

Total Cost:

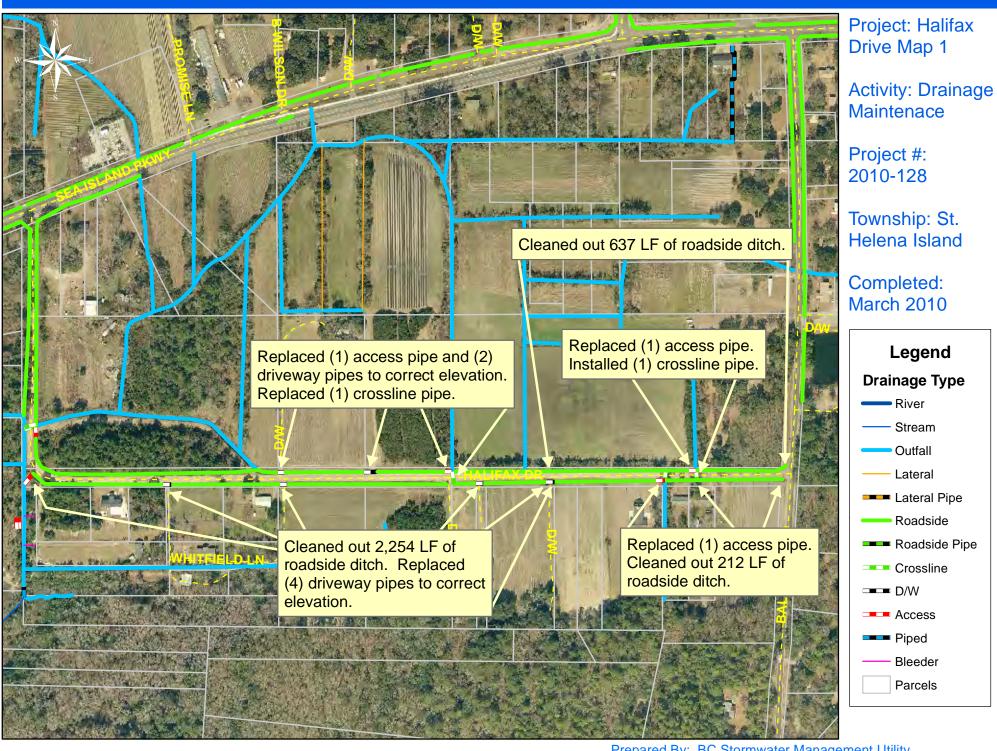
\$65,953.46 After

Site Photographs





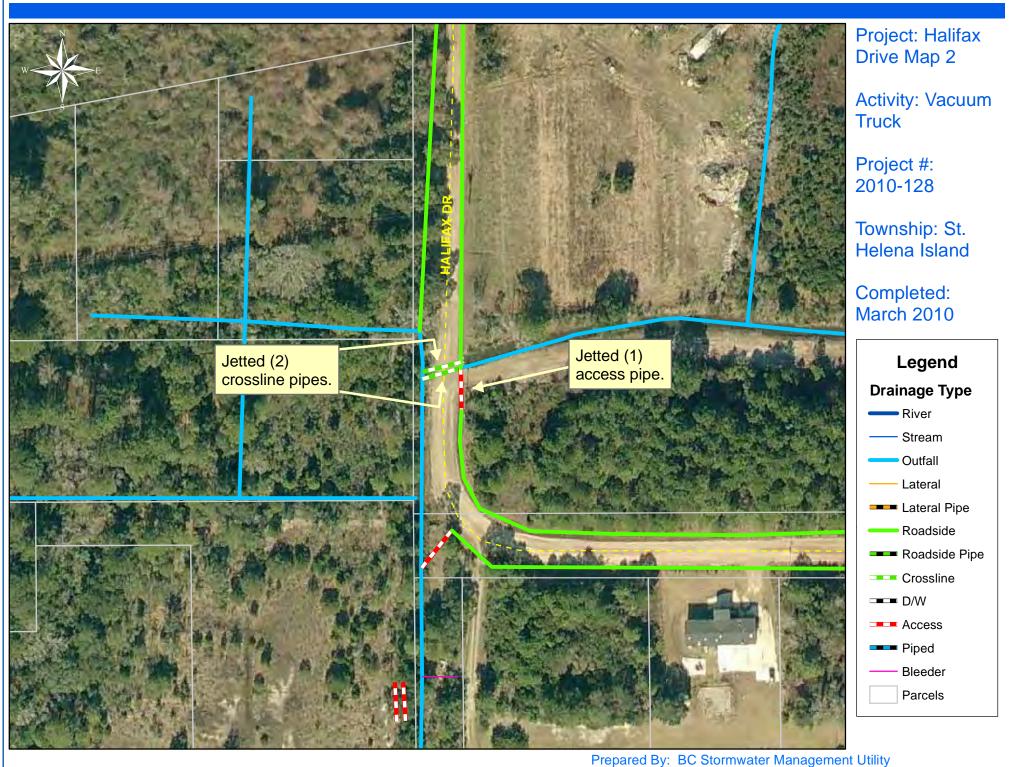




0 100 200 400 600 800 Feet

1 inch = 367 feet

Prepared By: BC Stormwater Management Utility Date Print: 2/15/11 File:C:/sethdata/projects/projectmaps/Halifax Dr Map 1 2010-128



30 60 120 180 240

1 inch = 107 feet

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