

Beaufort County Public Works Stormwater Infrastructure Project Summary

Project Summary: Burton Wells Park Ph I

Project #: 2010-074

Completed: May-10

Before

Narrative Description of Project:

Project improved 9,503 L.F. of drainage system. Shinn cut 2,869 L.F. of outfall ditch. Grubbed and cleared 335 L.F. around pond area. Reconstructed 2,357 L.F. of outfall ditch. Cleaned out 5,188 L.F. of outfall ditch and 1,623 L.F. of roadside ditch. Cleaned out, resloped and stablized 335 L.F. of pond area. Installed (7) bleeder pipes, (6) access pipes and (5) access gates. 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	64.0	\$615.68	During	
12" HDPE Pipe	linear feet	\$4.86	180.0	\$874.80	-	
15" HDPE Pipe	linear feet	\$6.22	60.0	\$373.20		
18" HDPE Pipe	linear feet	\$8.71	40.0	\$348.40		
42" HDPE Pipe	linear feet	\$39.10	40.0	\$1,564.00		
Fill Dirt	ton	\$1.00	1,150.6	\$1,150.64		
Rip Rap	ton	\$47.08	52.2	\$2,457.11		
Recycled Concrete	ton	\$1.00	241.0	\$240.98		
Silt Fence	sy	\$0.78	29.2	\$22.75		
Filter Blanket	sy	\$0.63	215.3	\$135.62		
Turf Staples	each	\$0.03	5,280	\$158.40		
10-10-10 Fertilizer	bag	\$11.72	30.0	\$351.60		
Hydromulch	bale	\$12.22	60.0	\$733.20		
Hydrogel	cup	\$2.82	30.0	\$84.60		
Hydromax Liquid Fertilizer	cup	\$2.53	30.0	\$75.90	After	
Brown Top Millet Grass Seed	bag	\$20.33	11.0	\$223.63		
Annual Rye Grass Seed	bag	\$19.21	21.5	\$413.02		
Water	gallon	\$0.01	15,250	\$152.50		
Quikrete Concrete	bag	\$3.19	7.0	\$22.33		
4ft Flagger	each	\$0.34	4.0	\$1.36		
Straw Mat	roll	\$26.75	32.0	\$856.00		
Debris Disposal	ton	\$16.00	117.9	\$1,886.24		
16ft Access Gate	each	\$148.73		\$743.65		
Wood Post	each	\$5.22	10.0	\$52.20		
Diesel	gallon	\$2.66	2,764	\$7,352.24		







Site Photographs

Burton Wells Park Ph I Project Summary Con't

Project #: 2010-074

Materia	l Unit	Cost/Unit	Qty	Cost	
Gas	gallon	\$2.64	265.6	\$701.18	
Labor	hours		2,572	\$89,899.22	
Total Cost of Materials, Rental Equip., and Labor \$111,490.4					

Equipment Cost

		-		
Item	Asset No.	Cost/Hour	Hrs.	Cost
Shinn Cutter	22943	\$31.34	23.0	\$720.82
Volvo 290 Excavator	22870	\$49.56	93.0	\$4,609.08
JCB Urban Excavator	23364	\$40.53	58.0	\$2,350.74
CAT Dozer	23125	\$35.50	67.0	\$2,378.50
JD Loader 444J	23271	\$29.75	25.5	\$758.63
Bobcat T300	22847	\$20.10	8.0	\$160.80
Bobcat T320	23388	\$21.00	35.0	\$735.00
Lowboy	23118	\$34.64	6.0	\$207.84
Hydroseeder	18909	\$7.35	36.0	\$264.60
Dump Trucks		\$16.68	523.5	\$8,731.98
Pickup Trucks		\$4.17	768.0	\$3,202.56
Total Equipment Cost	\$24,120.55			

Cost/hour excludes fuel cost.

Total Cost:

\$135,610.99

After

Before

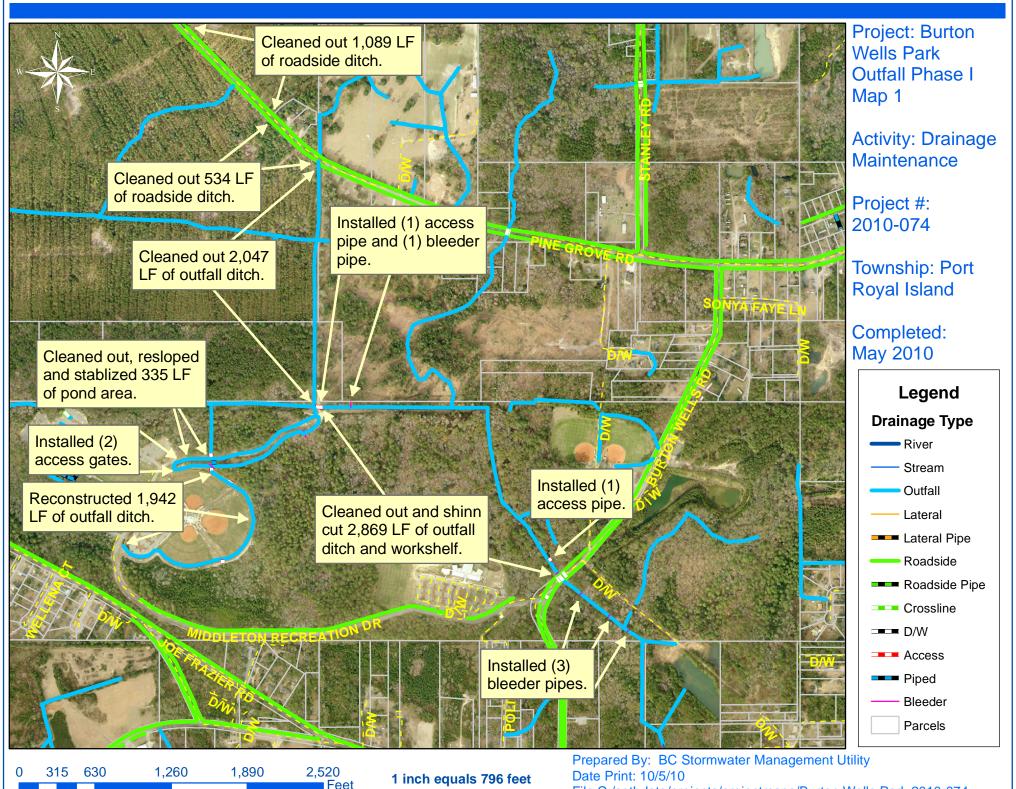
During

Site Photographs

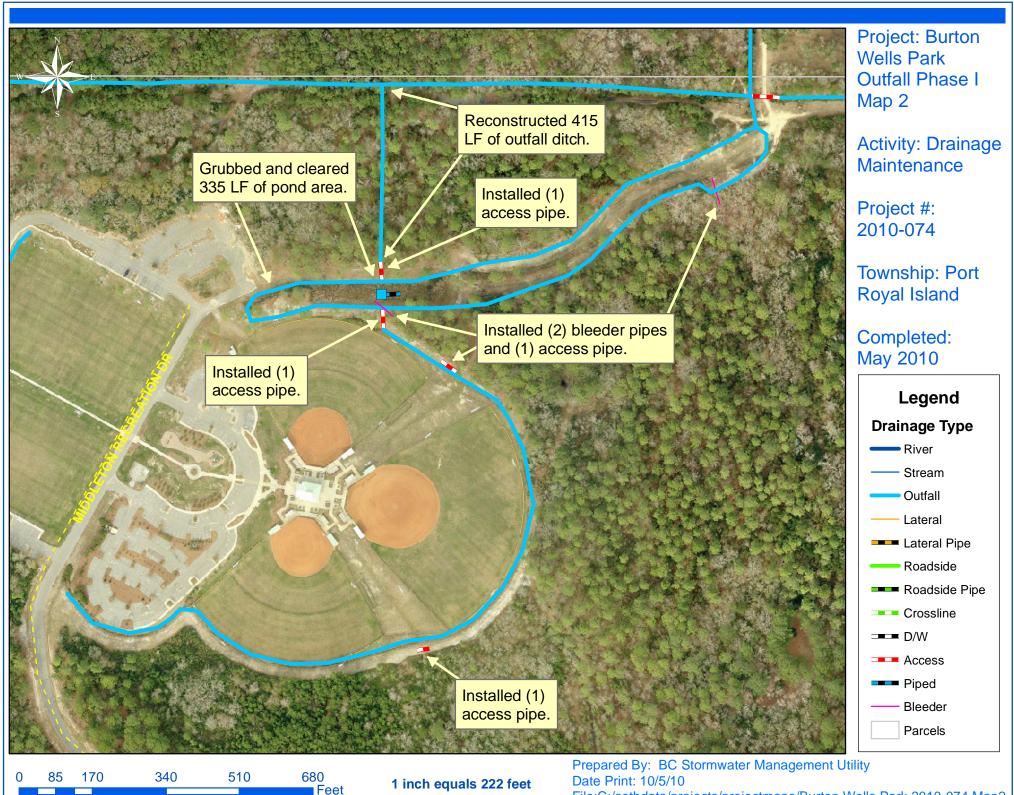




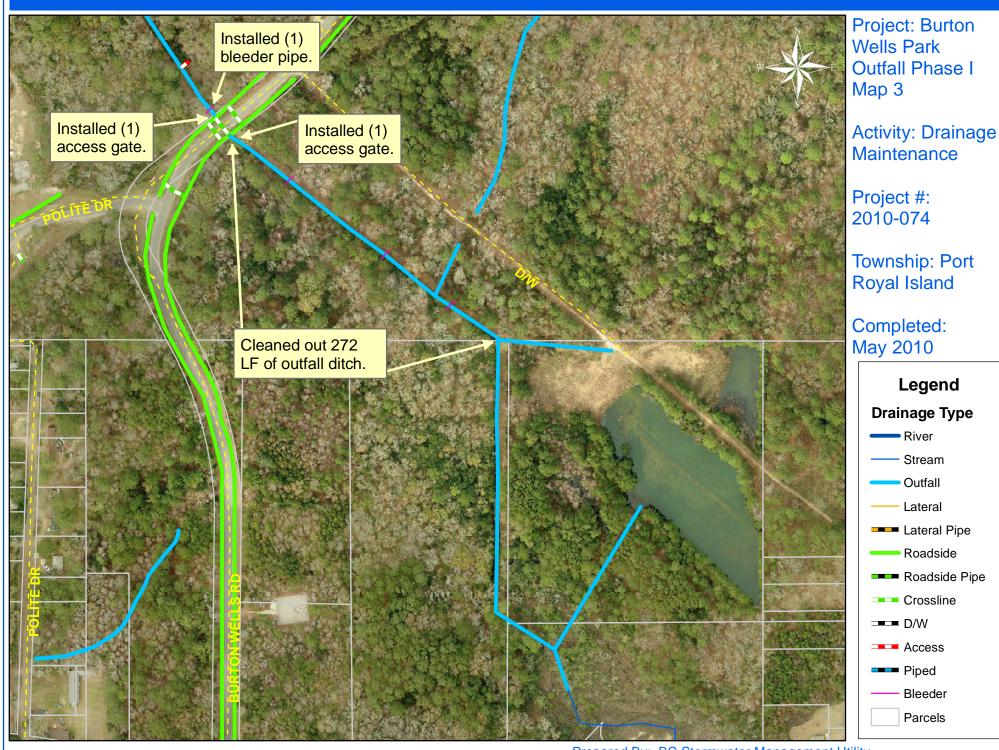




File:C:/sethdata/projects/projectmaps/Burton Wells Park 2010-074



File:C:/sethdata/projects/projectmaps/Burton Wells Park 2010-074 Map2



Prepared By: BC Stormwater Management Utility Date Print: 10/5/10 File:C:/sethdata/projects/projectmaps/Burton Wells Park 2010-074 Map3

1 inch equals 234 feet

760 Feet

380

95

190

570