

Beaufort County Public Works Stormwater Infrastructure

Project Summary

Project Summary: Josephine Drive Phase I

Project #: 2011-051 Completed: Oct-10

Narrative Description of Project:

Project improved 890 L.F. of drainage system. Grubbed and cleared 565 L.F. of outfall ditch. Cleaned out 290 L.F. of outfall ditch. Installed (1) catch basin, 600 L.F. of outfall pipe. Jetted (1) crossline pipe. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
30" HDPE Pipe	linear feet	\$21.20	600.0	\$12,720.00
5x5x6 Catch Basin	each	\$1,196.05	1.0	\$1,196.05
Fill Dirt	ton	\$1.00	562.1	\$562.07
Rip Rap	ton	\$47.08	26.1	\$1,228.32
#57 Stone	ton	\$47.00	3.4	\$160.39
Silt Fence	sy	\$0.78	108.9	\$84.93
Silt Fence W/Stakes	sy	\$0.24	7.8	\$1.86
Filter Blanket	sy	\$0.63	111.1	\$70.00
Turf Staples	each	\$0.03	110.0	\$3.30
15-0-15 Fertilizer	bag	\$10.59	3.0	\$31.77
Hydromulch	bale	\$12.22	6.0	\$73.32
Hydrogel	cup	\$2.82	3.0	\$8.46
Hydromax Liquid Fertilizer	cup	\$2.54	3.0	\$7.62
Annual Rye Grass Seed	bag	\$19.21	3.0	\$57.63
Water	gallon	\$0.01	3,500	\$35.00
All Purpose Sand	bag	\$3.80	6.0	\$22.80
Concrete Bricks	each	\$0.36	60.0	\$21.60
Quikrete Concrete	bag	\$3.19	3.0	\$9.57
Flagging Tape	roll	\$1.34	0.1	\$0.13
Marking Paint	can	\$4.44	1.0	\$4.44
Pin Flag	each	\$0.06	6.0	\$0.36
Debris Disposal	ton	\$33.00	7.7	\$255.09
Gas	gallon	\$2.49	85.0	\$211.65
Diesel	gallon	\$2.56	551.5	\$1,411.84
Labor	hours		625.0	\$13,508.16
Indirect Labor, Services, and Supplies				\$9,238.87
Total Cost of Materials, Rental Equip., and Labor				\$40,925.22

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

Site Photographs

Before



During



After



Josephine Drive Phase I Project Summary Con't

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Item	Asset No.	Cost/Hour	Hrs.	Cost
Volvo 290 Excavator	22870	\$54.13	6.0	\$324.78
Volvo 330 Excavator	22993	\$59.32	11.0	\$652.52
JCB Urban Excavator	23364	\$31.45	24.0	\$754.80
CAT Dozer	23125	\$35.50	18.0	\$639.00
JD Loader 444J	23271	\$29.75	3.0	\$89.25
Bobcat T320	23388	\$21.00	15.0	\$315.00
Lowboy	23118	\$34.64	3.5	\$121.24
Vacuum Truck	22812	\$22.16	2.0	\$44.32
Hydroseeder	23474	\$12.44	4.0	\$49.76
Dump Trucks		\$13.31	133.5	\$1,776.89
Pickup Trucks		\$4.12	182.0	\$749.84
Total Equipment Cost				\$5,517.40

Before



Site Photographs

Cost/hour excludes fuel cost.

During

Total Cost: \$46,442.62



After



