



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: ToHHI - Harbor Master

Project #: 2009-047 Completed: Jan-09

Narrative Description of Project:
 Cored 36" opening in existing catch basin. Replaced 190 L.F. of outfall pipe and repaired (3) sections of waterline. Extended 9 L.F. of complex culvert pipe. Installed rip rap and sod for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
18' RCP Pipe	linear feet	\$10.59	20.0	\$211.80
36" HDPE Pipe	linear feet	\$26.41	180.0	\$4,753.80
36' HDPE Pipe	linear feet	No Charge	20.0	\$0.00
Fill Dirt	ton	\$1.00	198.8	\$198.84
Rip Rap	ton	\$49.22	11.2	\$550.28
#57 Stone	ton	\$37.29	41.0	\$1,527.03
Filter Blanket Woven	sy	\$0.63	20.8	\$13.12
Turf Staples	each	\$0.03	180.0	\$5.40
Silt Fence	sy	\$0.24	56.7	\$13.61
Concrete Brick	each	\$0.33	55.0	\$18.15
Type "S" Motar Mix	75lb bag	\$6.47	7.0	\$45.29
Hydraulic Cement	bucket	\$69.55	1.8	\$125.19
PVC Accessories				\$201.59
All Purpose Sand	50lb bag	\$3.80	12.0	\$45.60
Annual Rye Grass Seed	bag	\$29.35	0.5	\$14.68
Bermuda Sod	pallet	\$65.00	15.5	\$1,007.50
Pine Straw	bale	\$4.26	31.0	\$132.06
4ft Flagger	each	\$0.34	10	\$3.40
Orange Glow Flagging Tape	roll	\$1.34	0.5	\$0.67
Coring Service				\$950.00
Gas	gallon	\$1.48	206.0	\$304.88
Diesel	gallon	\$1.86	944.0	\$1,755.84
Labor	hours		1,007	\$34,612.81

Total Cost of Materials, Rental Equip., and Labor \$46,491.53

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

Site Photographs

Before



During



After



ToHHI - Harbor Master Project Summary Cont'

Project #: 2009-047

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Volvo Excavator	22870	\$49.56	15.0	\$743.40
Komatsu Mini Excavator	23000	\$18.65	24.0	\$447.60
Bobcat T200	22782	\$17.40	4.0	\$69.60
Bobcat T300	22847	\$20.10	25.0	\$502.50
John Deere Loader 444J	23271	\$29.75	20.0	\$595.00
Lowboy	23118	\$34.64	3.5	\$121.24
Dump Trucks		\$16.68	223.5	\$3,727.98
Pickup Trucks		\$5.43	266.5	\$1,447.10
Total Equipment Cost				\$7,654.42

Cost/hour excludes fuel cost.

Total Cost: \$54,145.95

Site Photographs

Before



During



After



Project: ToHHI-Harbor Master (Reimbursement)

Activity: Ditch Maintenance

Project #: 2009-047

Township: Town of Hilton Head Island

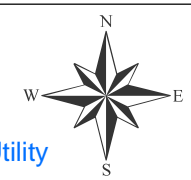
Completed: January 2009



Legend

Drainage Type

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



1 inch equals 83.33 feet