

MP2

Construction Cost Estimate

<u>CONSTRUCTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST</u>	<u>TOTAL</u>	<u>CATEGORY TOTAL</u>
E&S Controls	3	AC	\$1,312	\$3,936	
Clear and Grubb	3	AC	\$1,463	\$4,389	
Access Road	50	LF	\$8.27	\$414	
Revegetation	1.75	AC	\$609	\$1,066	
Mobilization/Demob	1	LS	\$5,400	\$5,400	
Construction Equipment & Labor	1	JOB	\$95,383	\$95,383	
Mitigation Wetland Construction	1	JOB	\$13,860	\$13,860	
TOTAL CONSTRUCTION COST:					<u>\$124,448</u>
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<u>CONSTRUCTION MATERIALS</u>					
Compost	1000	CY	\$10.00	\$10,000	
Pipe - Culverts	180	FT	\$40.00	\$7,200	
Stone - AASTHO #57	100	T	\$11.50	\$1,150	
Stone - Rip Rap	100	T	\$12.50	\$1,250	
TOTAL CONSTRUCTION MATERIALS COST:					<u>\$19,600</u>
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<u>CONTRACTUAL</u>					
Permitting				\$17,500	
Design				\$17,500	
Survey				\$3,500	
Analysis				\$1,620	
Permitting/Design - Wetland Mitigation				\$5,940	
TOTAL CONTRACTUAL COST:					<u>\$46,060</u>
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<u>LAND ACQUISITION COSTS</u>					
Estimated Cost	3.3	ac	\$2,500	\$8,250	
TOTAL LAND ACQUISITION COST:					<u>\$8,250</u>
<u>TOTAL INSTALLATION COSTS:</u>					<u>\$198,358</u>

Estimated Annual Operation and Maintenance Costs: **\$120 - \$1,500**

Permits & Approvals Anticipated to be Required for System Construction

HOP	Road Bond (state)	PA One Call	PNDI
GIF	PHMC	PPC	NPDES
E&S	Joint Permit	EA	GP-4

Estimated total time to obtain all necessary permits and approvals: **6-12 months**

Permits & Approvals: The list of anticipated Permits & Approvals and estimated timeframe is based on current regulations and experience with similar projects. This list and estimated timeframe is subject to change based on revised regulations and other factors. Please see the Permit and Approval Section of this report for a more detailed description of the permits listed.

Cost estimate basis: Average BAMR Cost (Daniel Sammarco, PE, PA DEP, 2nd Annual Southwest Watershed Workshop, Greensburg, PA 10/21/00) adjusted for inflation (5 years) at 3.1% per year; AMD Treat 3.1, 2002, (US Dept. of Interior, Office of Surface Mining); representative contractual and construction costs from recent grants awarded through the PA DEP Growing Greener Program; other available information including vendor quotes/invoices and internet sites. All costs are estimates and are subject to change based on further project development, inflation, and other factors.