

MKR3

Construction Cost Estimate

	<u>QTY</u>	<u>UNIT</u>	<u>COST</u>	<u>TOTAL</u>	<u>CATEGORY TOTAL</u>
<u>CONSTRUCTION</u>					
E&S Controls	6	AC	\$1,312	\$7,872	
Clear and Grubb	6	AC	\$1,463	\$8,778	
Access Road	350	LF	\$8.27	\$2,895	
Revegetation	4.5	AC	\$609	\$2,741	
Mobilization/Demob	1	LS	\$6,500	\$6,500	
Fence	1800	LF	\$17.16	\$30,888	
Construction Equipment & Labor	1	JOB	\$182,112	\$182,112	
Mitigation Wetland Construction	1	JOB	\$42,000	\$42,000	
			<i>TOTAL CONSTRUCTION COST:</i>		<u>\$283,785</u>
<u>CONSTRUCTION MATERIALS</u>					
Geotextiles	6180	SY	\$0.50	\$3,090	
Pipe - Solid, Perf, Fittings, Etc.				\$41,076	
Stone - AASHTO #1	6000	T	\$12.50	\$75,000	
Stone - AASTHO #57	700	T	\$11.50	\$8,050	
Stone - Rip Rap	400	T	\$12.50	\$5,000	
			<i>TOTAL CONSTRUCTION MATERIAL COST:</i>		<u>\$132,216</u>
<u>CONTRACTUAL</u>					
Permitting				\$25,000	
Design				\$21,500	
Survey				\$7,500	
Analysis				\$3,000	
Permitting/Design - Wetland Mitigation				\$18,000	
			<i>TOTAL CONTRACTUAL COST:</i>		<u>\$75,000</u>
<u>LAND ACQUISITION COSTS</u>					
Estimated Cost	6	ac	\$2,500	\$15,000	
			<i>TOTAL LAND ACQUISITION COST:</i>		<u>\$15,000</u>
			<i>TOTAL INSTALLATION COSTS:</i>		<u>\$506,001</u>

Estimated Annual Operation and Maintenance Costs: **\$240 - \$2,480**

Permits & Approvals Anticipated to be Required for System Construction

Road Bond (Twp. Rd.)	PA One Call	PNDI	GIF
PHMC	PPC	NPDES	E&S
Joint Permit	EA	Restoration Waiver	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.