Sidehill

unker Hill MD Mitigation Concepts		1	DATE: PROJECT NO.:	06/13/2000 152215.FS.02	
3: Sidehill Diversion above Guy Cave		1	ESTIMATE BY:	D. Hedglin	
rder of Magnitude Cost Opinion					
			TOTAL		
			UNIT	TOTAL	
DESCRIPTION	QTY	UNIT	COST	COST	COMMENTS
ccess Roads					
Clear & Grub	940	LF	8.62	\$8,098	asm 30'w & 50'/hour
Grade, Fill & Compact	940	LF	76.32	\$71,745	60% rock
Crushed Surfacing Base Course	348	CY	21.65	\$7,537	
Erosion matting & mulch on all disturbed cut slopes	47,000	SF	1.00	\$47,000	jute mat & hydroseed-allow
Ditch Lining System	940	LF	47.90	\$45,024	
Construct Screen Intake Structure	20	CY	500.90	\$10,018	
Erosion & Sedimentation Control	1	LS	9,400.00	\$9,400	\$/LF allowance for ditches, culverts, silt fences, sed ponds, e
SUBTOTAL				\$198,823	
MISC ALLOWANCE	10%		-	\$19,882	
SUBTOTAL	F 00/			\$218,705	
CONTINGENCY SUBTOTAL	50%		-	\$109,352 \$328.057	
MOBILIZATION	15%			\$49.209	
CONSTRUCTION TOTAL	1070		-	\$377.266	
SALES TAX ON MATERIALS	5.0%			\$2,306	
ENGINEERING AND SUPPORT	20%			\$75,453	
CONST MANAGEMENT	8%		-	\$30,181	
CAPITAL TOTAL (ROUNDED)				\$490,000	
ANNUAL O&M COST			\$11,700		
NPV OF ANNUAL O&M COSTS (30 YEARS @ 7% INTEREST)				\$145,000	
TOTAL 30-YEAR PRESENT WORTH COST @ 7% INTEREST					

NOTES: Misc Allowance markup is to include items known to exist but cannot be quantified at this time. Contingency is for scope changes that are presently unforeseen. Mobilization includes bonds, insurance, temporary facilities, health & safety, demobilization, etc.