<				
DRAWING B77-801-E17				
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CHECKED BY	APPROVED BY			
RAL	3-20-81			
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	ESTIMATED CONST	TRUCTION QUANTITIES		The state of the s	
CONSTRUCTION ITEM	ESTIMATED QUANTITIES				
	STAGE I (1 MONTH)	STAGE II (4 MONTHS)	STAGE III (4 YEARS)	STAGE IV (15 YEARS)	
COMBINED COAL REFUSE DISPOSAL, CUBIC YARDS	8,300 (10,400 TONS)	68,000 (85,400 TONS)	835,000 (1,048,000 TONS)	3,000,000 (3,800,000 TONS	
SURFACE DRAINAGE					
EXISTING DIVERSION DITCH, D1, MODIFICATION	825 FEET				
RIPRAP	1,250 TONS				
GROUT	363 YD ³	-		-	
DIVERSION DITCH, D2, EXTENSION, GRASS LINED	1,500 FEET				
EXCAVATION	31,000 YD ³			-	
TEMPORARY DIVERSION DITCH, D3, GRASS LINED	AS REQUIRED	AS REQUIRED	AS REQUIRED	AS REQUIRED	
PERIMETER DITCH, P1	700 FEET			in the second	
3" TO 9" • RIPRAP	875 TONS				
GROUT	250 YD ³				
PERIMETER DITCH, P2		-	600 FEET	100 FEET	
3" TO 9" ¢ RIPRAP			750 TONS	125 TONS	
GROUT			216 YD ³	36 YD ³	
PERIMETER DITCH, P3	550 FEET	260 FEET	380 FEET	615 FEET	
3" TO 9" o RIPRAP	690 TONS	325 TONS	475 TONS	770 TONS	
GROUT	200 YD ³	95 YD3	140 YD3	220 YD ³	
PERIMETER DITCH, P4	-			550 FEET	
3" TO 9" • RIPRAP				825 TONS	
GROUT			-	242 YD ³	
(3) STILL AREAS (12" TO 24" BOULDERS)	700 YD ³	age - Charles - Charles		The state of the s	
24" ¢ CMP	50 FEET				
SUBSURFACE DRAINAGE			STEE STEEL S		
MAIN ROCK UNDERDRAIN			550 FEET +	500 FEET	
3" TO 6" SANDSTONE COBBLES			330 TONS	300 TONS	
FILTER CLOTH (5.2 YARD WIDTH)			8,600 SQ. FEET	7,800 SQ. FEET	
INTERNAL ROCK UNDERDRAIN			2,150 FEET	4,225 FEET	
3" TO 6" SANDSTONE COBBLES	-		1,400 TONS	2,800 TONS	
FILTER CLOTH (5.2 YARD WIDTH)			33,500 SQ. FEET	66,000 SQ. FEET	
EDIMENT POND ON CREST					
12" CMP [(1) 90 DEGREE ELBOW]	60 FEET	USE FROM STAGE I	USE FROM STAGE II	USE FROM STAGE III	
IAUL ROAD	Dispersion of the second				
CULVERTS, 18" CMP			THE RESERVE OF THE PARTY OF THE	(2) 50 FEET	
PIEZOMETER EXTENSION			(2) 50 FEET		
SURVEY MONUMENTS				2	

- 1. QUANTITIES ASSUME NO EXPOSED BEDROCK FOR DIVERSION DITCH, D-1.

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REVISED SURFACE DRAINAGE DITCH LENGTHS AND QUANITIES, AND ADDED PERIMETER DITCH P-4.

DRAWING NO. B77-801-E17

SHEET NO. 12 of 12 FIGURE NO. 14

CONSTRUCTION QUANTITIES

COAL REFUSE DISPOSAL FACILITY MINE NO. 81
BETHLEHEM MINES CORPORATION DRENNEN, WEST VIRGINIA PREPARED FOR

BETHLEHEM MINES CORPORATION NICHOLAS DIVISION CHARLESTON, WEST VIRGINIA

DAPPOLONIA