78-359-E11, E12, E13, E14 & E15 /02

DRAWN BY	CHECKED BY	DRAWING NUMBER
TEJ 5-24-79	APPROVED BY	78-359-E12

LIMITS OF STAGE II B WEST HOLLOW COARSE COAL REFUSE DISPOSAL

LIMITS OF STAGE II A EAST HOLLOW COARSE COAL REFUSE DISPOSAL

PERIMETER DITCH (TYP.) (SEE DETAIL 4)

25' WIDE ACCESS ROAD AT 8% (MAX.) GRADE WITH ROAD GUTTER (SEE DETAIL 1)

N 218,089 E 1,803,160

EXTEND PIEZOMETER P-13 (SEE DETAIL 10)

EXTEND PIEZOMETER P-11 & P-11a (SEE DETAIL 10)

STAGE II B CREST EL. 1600

BENCH GUTTER (SEE DETAIL 2)

INSTALL 21" Ø ACCMP CULVERT (SEE DETAIL 8)

N 217,570 E 1,804,160

STAGE I SPILLWAY

LIMITS OF STAGE II CLOSURE SECTION CONSTRUCTED ACROSS STAGE I SPILLWAY AT END OF STAGE II A

INVERT EL. 1597

SEDIMENT POND DIKE (SCHEMATIC)

BALL FIELD

INSTALL INTERNAL DRAIN (SEE DETAIL 6)

30' WIDE STAGE II A CREST, EL. 1600

INSTALL PIEZOMETER P-14 & P-14a

NOTE: PIEZOMETER P-14a IS INSTALLED IN UNDERDRAIN, P-14 OUTSIDE THE UNDERDRAIN, BUT NEAR IT.

FINE COAL REFUSE LEVEL AT END OF STAGE II, EL. 1575

DIVERSION DITCH (SEE DETAIL 9)

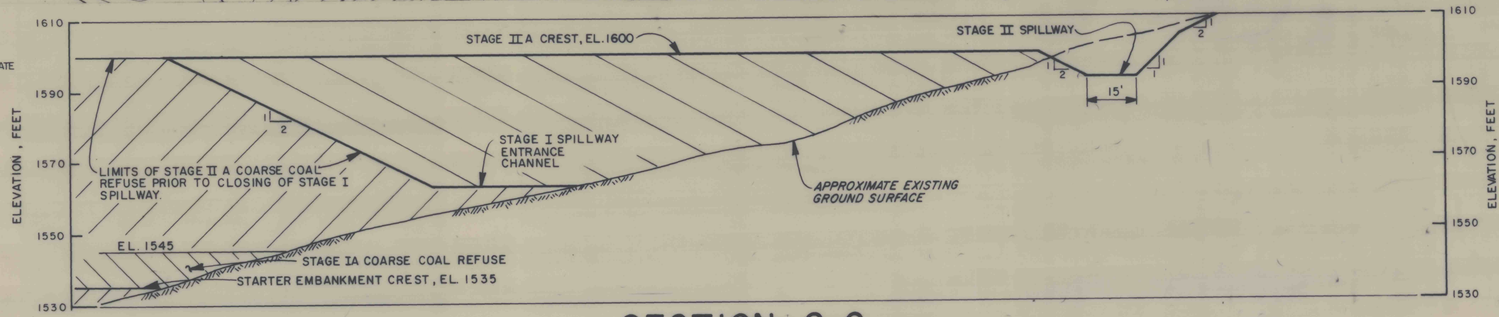
INSTALL ROCK UNDERDRAIN (SEE DETAIL 6)

25' WIDE ACCESS ROAD @ 8% (MAX.) GRADE

SCALE 100 0 100 200 FEET

TIME TO COMPLETE STAGE II	1.4 YEARS
TOTAL TIME (FROM BEGINNING OF STAGE I)	2.5 YEARS

REFERENCE:
CONTOUR MAP PREPARED BY GREENHORNE AND O'MARA, INC. DATE FLOWN, 8/21/78, SCALE: 1" = 100'



SECTION C-C

20 0 20 40 FEET

DRAWING NO.	SHEET NO.	FIGURE NO.
78-359-E12		14

PLAN - STAGE II EAST AND WEST HOLLOWS

BETHLEHEM MINE No. 101
CENTURY, WEST VIRGINIA

PREPARED FOR

BETHLEHEM MINES CORPORATION
BRIDGEPORT, WEST VIRGINIA

D'APPOLONIA

15-15-13
78-359