



LEGEND

- AREA AFFECTED 200 ACRES
- PROPERTY LINES
- PIPELINE BARRIER (100')
- ROAD BARRIER (100')
- HOUSE BARRIER (300')
- PRIME FARMLANDS
- ABANDONED DEEPMINE ENTRY
- QUARRY
- AREAL EXTENT OF SURFACE MINES
- STREAM BARRIER (100')

EROSION AND SEDIMENTATION CONTROL FACILITIES

- TREATMENT PONDS
- SEDIMENTATION BASINS
- EROSION TERRACE
- SEDIMENTATION DITCHES
- TOPSOIL STORAGE AREA
- DRAINAGE SUB-AREA

LEGEND - LAND USES

- PRE-MINING LAND USE
- FORESTLAND
- PASTURELAND
- RURAL RESIDENTIAL
- POST-MINING LAND USE
- SEE NOTE NO. 7
- SEED MIXTURES
- UTILITY LINES (E-ELECTRIC) (T-TELEPHONE)

NOTES:

- 1) THE EROSION AND SEDIMENTATION CONTROL PLAN AS DESIGNED ASSUMES MINING THE ENTIRE AREA. DEVIATIONS FROM THE PLAN MAY BE DUE TO CURRENT MARKET DEMANDS, EQUIPMENT LIMITATION AND MINING METHODOLOGIES. ADDITIONALLY, DESIGN SPECIFICATIONS WILL BE ADJUSTED FOR THE ACTUAL DISTURBED AREA, IF NEEDED, THEN FORWARDED TO THE DEPARTMENT FOR APPROVAL. (SEE THE EROSION AND SEDIMENTATION CONTROL PLAN TABLES AND NARRATIVE FOR DESIGN SPECIFICATIONS AND DESCRIPTIVE INFORMATION.)
- 2) THE CULTURAL DATA PRESENTED ON THIS MAP HAS BEEN FIELD CHECKED AND CORRECTED RELATIVE TO THAT ON THE U.S.G.S. TOPOGRAPHIC BASE MAP.
- 3) PROPERTY LINES AND OWNERS ARE BASED UPON CURRENT COUNTY TAX ASSESSMENT MAPS, UNLESS DETERMINED BY FIELD SURVEY.
- 4) ALL AREAS WILL BE RESTORED TO A.O.C. WITH NO FINAL SLOPES 20% OR GREATER.
- 5) THE RESTORED DRAINAGE PATTERN WILL APPROXIMATE THE ORIGINAL DRAINAGE PATTERN.
- 6) ALL HAUL ROADS AND EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE REMOVED UNLESS THE LANDOWNER REQUESTS THAT SELECT STRUCTURES.
- 7) THE POST-MINING LAND USE WILL BE THE SAME AS THE PRE-MINING LAND USE.

EXHIBIT 18 LAND USE AND RECLAMATION PLAN

SKY HAVEN COAL INC.

SHAFFER NO. 1

UNION TWP CLEARFIELD COUNTY

300' 1881

FEBRUARY, 1984

HESS & FISHER ENGINEERS, INC.

S.M.P. NO. 178

7651