



| ELEVATIONS OF MINE OPENINGS:        |                             |        |  |
|-------------------------------------|-----------------------------|--------|--|
| SIZE                                | SURFACE EL. COAL BOTTOM EL. |        |  |
| GREENLEE                            |                             |        |  |
| RAW WATER BOREHOLE                  | 981'                        | 533'   |  |
| DISPOSAL BOREHOLE                   | 1029'                       | 561'   |  |
| #3 BOREHOLE                         | 1206'                       | 539.6  |  |
| #4 BOREHOLE                         | 1278.5'                     | 546'   |  |
| BERCK                               |                             |        |  |
| DISPOSAL BOREHOLE                   | 1108'                       | 703'   |  |
| 2 RAW WATER BOREHOLES               | 1081'                       |        |  |
| THOMPSON                            |                             |        |  |
| SHAFT                               | 2985'                       | 2603'  |  |
| ANDREW                              |                             |        |  |
| INTAKE SHAFT                        | 21140'                      | 2643'  |  |
| EXHAUST SHAFT                       | 21165'                      | 2643'  |  |
| SITE                                |                             |        |  |
| SUPPLY YARD & 3 BUTT 'B' DRIFT      | 2845'                       | 2845'  |  |
| HAISTINGS                           |                             |        |  |
| SHAFT                               | 1047'                       | 733'   |  |
| KEFOVER                             |                             |        |  |
| DISPOSAL BOREHOLE #1                | 920'                        | 490'   |  |
| DISPOSAL BOREHOLE #2                | 880'                        | 470'   |  |
| SHAFT                               | 971'                        | 507.1' |  |
| RAW WATER BOREHOLE & POWER BOREHOLE | 1020'                       | 488'   |  |
| COMBS                               |                             |        |  |
|                                     | 1090'                       | 555'   |  |
| DONAHOO                             |                             |        |  |
| THEAKSTON SLOPE                     | 1087'                       | 570'   |  |
|                                     | 1046.2'                     | 953'   |  |

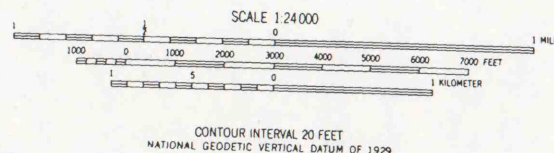
- NOTES:
1. FOR DETAILS OF PROPERTY OWNERSHIP FOR SURFACE FACILITIES REFER TO SITE PLANS
  2. ALL PITTSBURGH COAL WITHIN PERMIT AREAS: VESTA MINING COMPANY
  3. ALL BUILDINGS IN AND WITHIN 1000' OF SURFACE FACILITIES ARE SHOWN ON SITE PLANS
  4. ALL BUILDINGS IN AND WITHIN 1000' OF VESTABURG AREA OF UNDERGROUND WORKINGS ARE ON SITE PLAN
  5. THERE ARE NO TOPSOIL, COAL REFUSE OR COAL STOCKPILES ASSOCIATED WITH THIS OPERATION
  6. THERE ARE NO LANDSLIDES ASSOCIATED WITH THIS OPERATION
  7. LOCATIONS OF INDIVIDUAL BOREHOLES/SHAFTS AT SURFACE FACILITIES ARE SHOWN ON SITE PLANS
  8. NO WATER LEVEL INFORMATION IS AVAILABLE FOR DRILLHOLES

| ELEVATIONS OF BORINGS USED IN CONSTRUCTION OF GEOLOGIC SECTIONS A-A', B-B', C-C' |             |                 |
|----------------------------------------------------------------------------------|-------------|-----------------|
| BORING                                                                           | SURFACE EL. | COAL BOTTOM EL. |
| V5                                                                               | 1201.51'    | 621.24'         |
| V6                                                                               | 1034.33'    | 615.33'         |
| V10                                                                              | 1062.56'    | 652.83'         |
| V15                                                                              | 1264.52'    | 667.52'         |
| V16                                                                              | 1072.43'    | 595.03'         |
| V19                                                                              | 1218.31'    | 656.31'         |
| V20                                                                              | 1043.02'    | 601.01'         |
| V39                                                                              | 21160'      | 2667'           |
| V5-1                                                                             | 1084'       | 492.67'         |
| V5-2                                                                             | 1128.4'     | 493.8'          |

LEGEND:

- 525' — PITTSBURGH COAL BASE CONTOURS
- FOLD AXIS
- PERMIT AREA
- 50' — COAL BARRIER, WITH THICKNESS BETWEEN MARKS IN FT.
- SLOPE ENTRY
- PITTSBURGH COAL OUTCROP
- ⊕ BOREHOLE
- 300 U.S.G.S. WELL
- 13 U.S.G.S. SPRING
- 18' BACKGROUND WATER SAMPLE POINT

and published by the Geological Survey  
of the U.S.G.S.  
An aerial photograph by multiple methods  
has been taken 1952. Field check 1954.  
Elevation 1927 North American datum  
is based on Pennsylvania coordinate system, south zone  
Universal Transverse Mercator grid ticks, zone 17.  
in purple compiled in cooperation with State of  
Pennsylvania from aerial photographs 1952-1954 and 1954-1955.



CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

- ROAD CLASSIFICATION
- Heavy duty ——— Light duty ———
  - Medium duty ——— Unimproved dirt ———
  - U.S. Route ——— State Route ———



**VESTA MINE**  
**MINE DEVELOPMENT MAP**  
PETER CAMPION & ASSOCIATES, INC.  
ENVIRONMENTAL CONSULTANTS, CANONSBURG, PA.

IMAPS# 16000