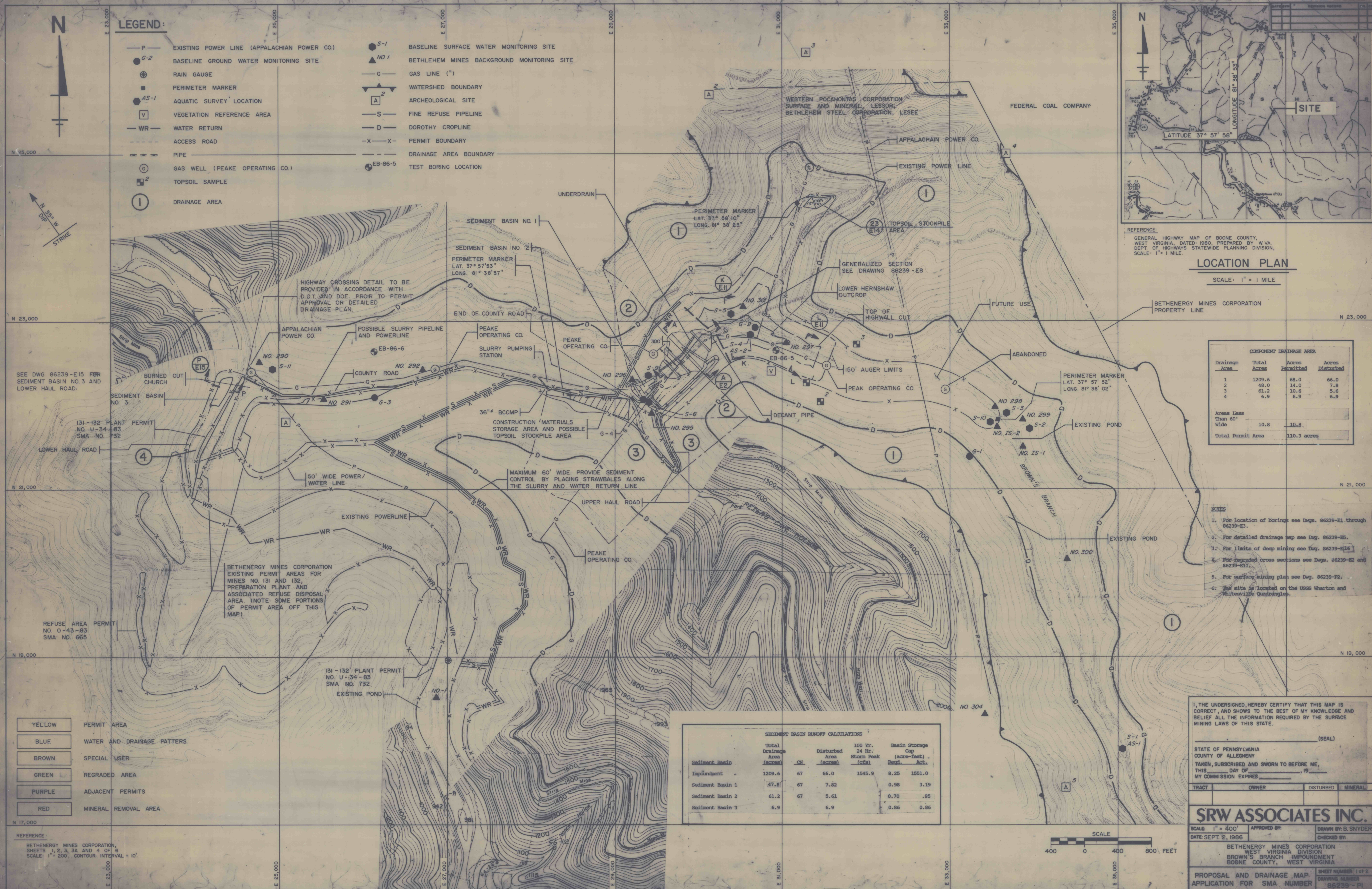
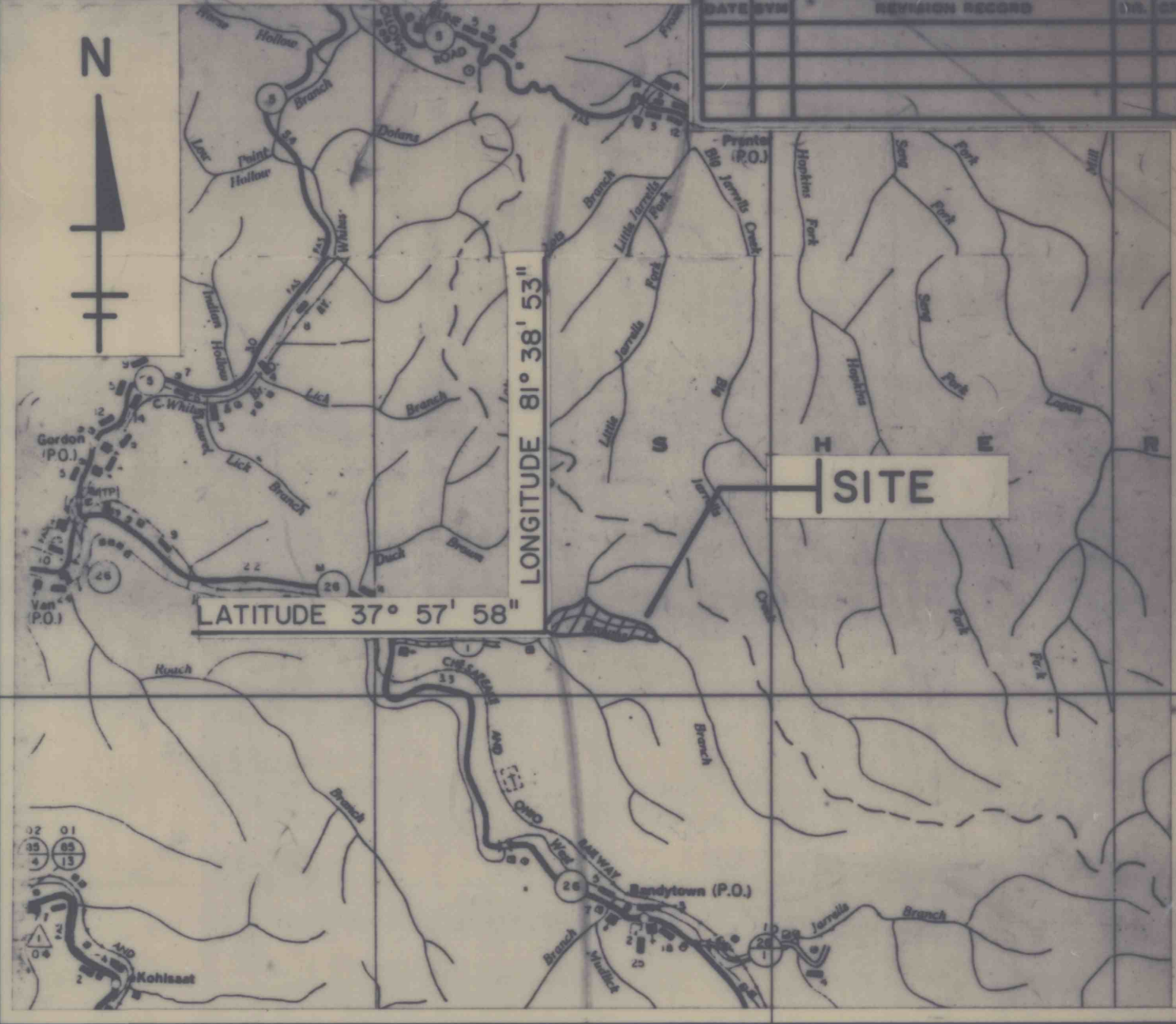




LEGEND:

- P — EXISTING POWER LINE (APPALACHIAN POWER CO.)
- G-2 — BASELINE GROUND WATER MONITORING SITE
- ☼ — RAIN GAUGE
- — PERIMETER MARKER
- AS-1 — AQUATIC SURVEY LOCATION
- V — VEGETATION REFERENCE AREA
- WR — WATER RETURN
- — ACCESS ROAD
- — PIPE
- ⊙ — GAS WELL (PEAKE OPERATING CO.)
- — TOPSOIL SAMPLE
- ① — DRAINAGE AREA
- S-1 — BASELINE SURFACE WATER MONITORING SITE
- NO. 1 — BETHLEHEM MINES BACKGROUND MONITORING SITE
- G — GAS LINE (")
- — WATERSHED BOUNDARY
- A — ARCHEOLOGICAL SITE
- S — FINE REFUSE PIPELINE
- D — DOROTHY CROPLINE
- X-X- — PERMIT BOUNDARY
- — DRAINAGE AREA BOUNDARY
- EB-86-5 — TEST BORING LOCATION



REFERENCE:  
GENERAL HIGHWAY MAP OF BOONE COUNTY,  
WEST VIRGINIA, DATED 1980, PREPARED BY W.V.A.  
DEPT. OF HIGHWAYS STATEWIDE PLANNING DIVISION,  
SCALE: 1" = 1 MILE.

LOCATION MAP

SCALE: 1" = 1 MILE

| COMPONENT DRAINAGE AREA  |             |                 |                 |
|--------------------------|-------------|-----------------|-----------------|
| Drainage Area            | Total Acres | Acres Permitted | Acres Disturbed |
| 1                        | 1209.6      | 68.0            | 66.0            |
| 2                        | 48.0        | 14.0            | 7.8             |
| 3                        | 61.2        | 10.6            | 5.6             |
| 4                        | 6.9         | 6.9             | 6.9             |
| Areas Less Than 60' Wide |             |                 |                 |
|                          | 10.8        | 10.8            |                 |
| Total Permit Area        |             |                 |                 |
|                          |             | 110.3 acres     |                 |

- NOTES
- For location of borings see Dgs. 86239-E1 through 86239-E3.
  - For detailed drainage map see Dg. 86239-25.
  - For limits of deep mining see Dg. 86239-216.
  - For regraded cross sections see Dgs. 86239-E2 and 86239-E11.
  - For surface mining plan see Dg. 86239-P2.
  - The site is located on the USGS Wharton and Whitesville Quadrangles.

| SEDIMENT BASIN RINOFF CALCULATIONS |                             |    |                        |                                 |                                            |
|------------------------------------|-----------------------------|----|------------------------|---------------------------------|--------------------------------------------|
| Sediment Basin                     | Total Drainage Area (acres) | CN | Disturbed Area (acres) | 100 Yr. 24 Hr. Storm Peak (cfs) | Basin Storage Cap (acre-feet) - Recl. Act. |
| Impoundment                        | 1209.6                      | 67 | 66.0                   | 1545.9                          | 8.25 1551.0                                |
| Sediment Basin 1                   | 47.8                        | 67 | 7.82                   | 0.98                            | 3.19                                       |
| Sediment Basin 2                   | 61.2                        | 67 | 5.61                   |                                 | 0.70 .95                                   |
| Sediment Basin 3                   | 6.9                         |    | 6.9                    |                                 | 0.86 0.86                                  |

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT, AND SHOWS TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL THE INFORMATION REQUIRED BY THE SURFACE MINING LAWS OF THIS STATE.

(SEAL)  
STATE OF PENNSYLVANIA  
COUNTY OF ALLEGHENY  
TAKEN, SUBSCRIBED AND SWORN TO BEFORE ME,  
THIS DAY OF 19  
MY COMMISSION EXPIRES

TRACT OWNER DISTURBED MINERAL

**SRW ASSOCIATES INC.**

SCALE: 1" = 400' APPROVED BY: DRAWN BY: B. SNYDER  
DATE: SEPT. 2, 1986 CHECKED BY:

BETHENERGY MINES CORPORATION  
WEST VIRGINIA DIVISION  
BROWN'S BRANCH IMPOUNDMENT  
BOONE COUNTY, WEST VIRGINIA

PROPOSAL AND DRAINAGE MAP  
APPLICATION FOR SMA NUMBER

SHEET NUMBER 1 of 2  
DRAWING NUMBER  
86239-P1



REFERENCE:  
BETHENERGY MINES CORPORATION,  
SHEETS 1, 2, 3, 3A AND 4 OF 6  
SCALE: 1" = 200', CONTOUR INTERVAL = 10'.