

LEGEND

- 1500 — EXISTING CONTOUR (BETHENERGY SURVEY)
- - - 1510 - - - ASSUMED EXISTING CONTOUR (ORIGINAL SITE TOPO)
- - - - - PROPERTY LINE (APPROX. LOCATION)
- → → PERIMETER DIVERSION DITCH
- 1590 — PROPOSED CONTOUR
- ▲— TOP OF SLOPE
- ▼— TOE OF SLOPE
- - - - - EXISTING CULVERT

Notes:

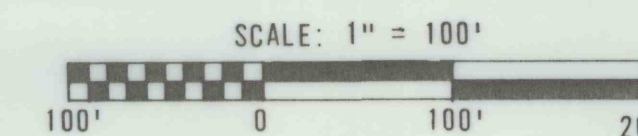
1. For Section A-A see GAI Drawing 89-160-E2.
2. For perimeter diversion ditch detail see GAI Drawing 89-160-E2.
3. In order to establish the revised maximum normal pool at elevation 1560 the top of the highest decant riser should be cut-off to elevation 1560. After cutting the riser pipe off at elevation 1560, the cap plate shall be reinstalled atop the riser pipe in accordance with the details shown on GAI Drawing E2-312-E12, Revision 2 (the original design).
4. For Section B-B see GAI Drawing 89-160-E3.
5. For the centerline profile of the emergency spillway see GAI Drawing 89-160-E3.
6. Work this drawing with "Technical Specification 89-160-10" prepared by GAI Consultants, Inc. dated January 1990.
7. The excavation for the emergency spillway allows for a 1:1 cut slope above the spillway lining. Some soil sloughing may occur as a result of this steep slope. Periodic inspection of the spillway will be required along with the necessary maintenance to remove any soil material which may enter the spillway.
8. This design addresses modifications necessary to bring the current embankment into compliance with the original design cross section. Other aspects of the original plans and specifications for this facility remain in effect and unchanged.

MAPPING REFERENCE

This mapping was prepared from a combination of:

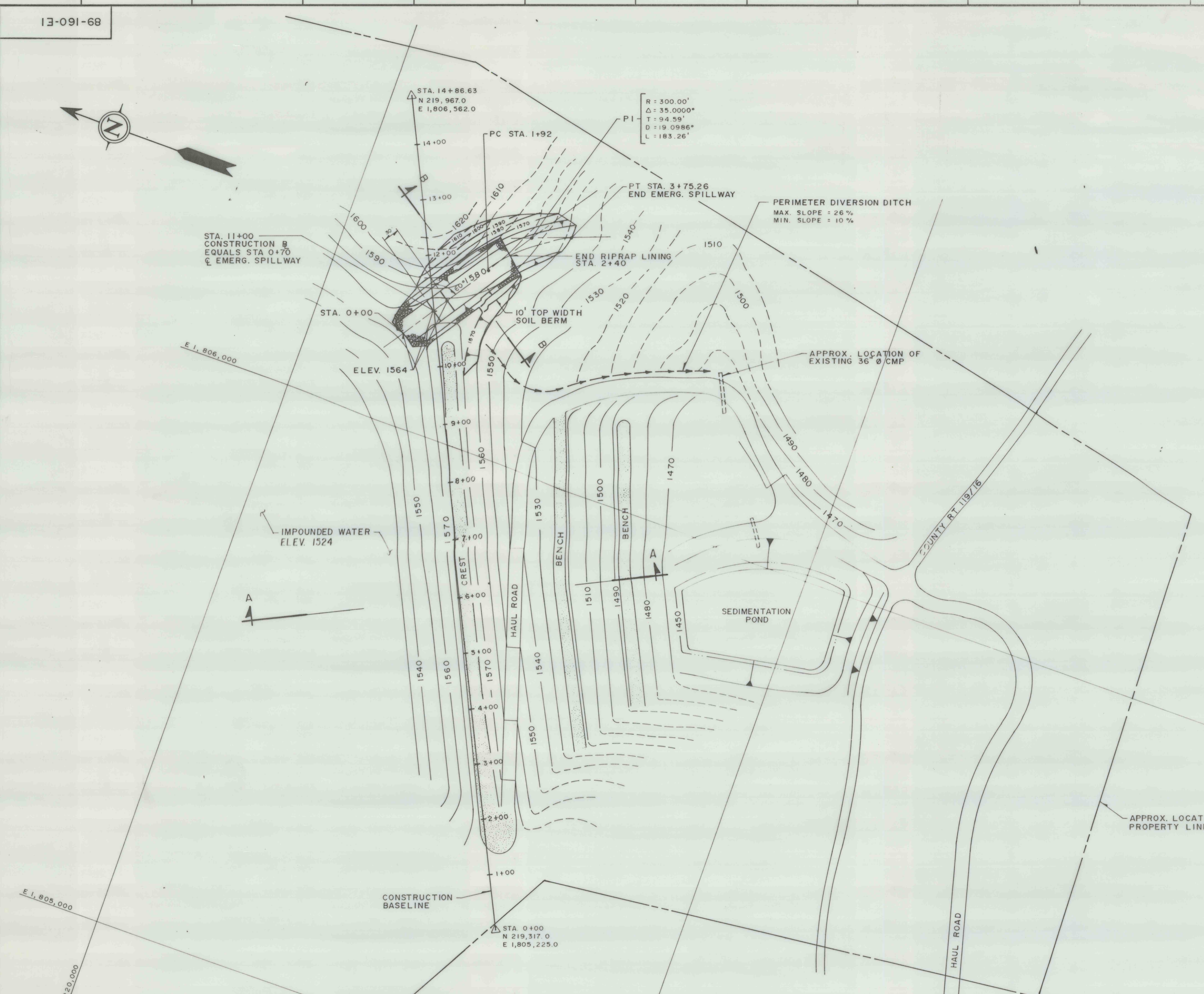
- 1.) Topographic mapping provided by BethEnergy on December 12, 1989 reflecting the as-constructed topography of the embankment.
- 2.) The original topographic mapping of the site as obtained from Bethlehem Mines Corp., Barbour Division, Drawing Number D68, Topographic survey prepared by Eastern Mapping Company from aerial photography dated 12/4/79.
- 3.) GAI Drawing 82-312-E9 indicating the location of the proposed sedimentation pond, property line, haul road, etc.

The mapping reflects approximate conditions and should be field verified prior to use.



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BRUNING 48791-4



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DESCRIPTION	NO.	DATE
REVISIONS		

PLAN OF EMBANKMENT MODIFICATION
NORTH HOLLOW REFUSE IMPOUNDMENT
MINE 101 COAL PREPARATION PLANT
CENTURY, WEST VIRGINIA

BETHENERGY MINES INC.
CHARLESTON, WEST VIRGINIA

DRAWN: SB APPROVED: DMK
CHECKED: DMK DATE: 1-11-90

SCALE: 1" = 100'
DRAWING NUMBER: 89-160-E1