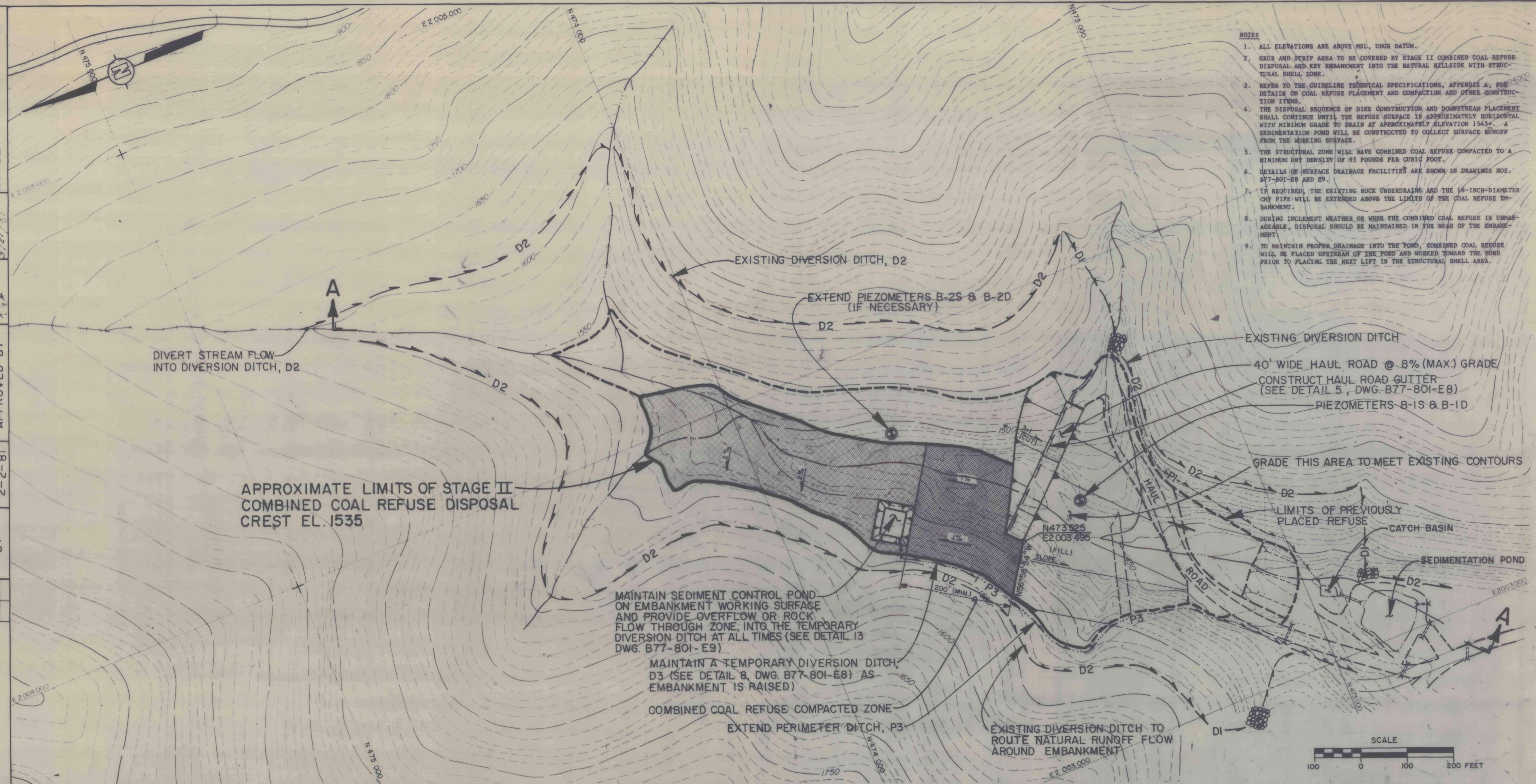


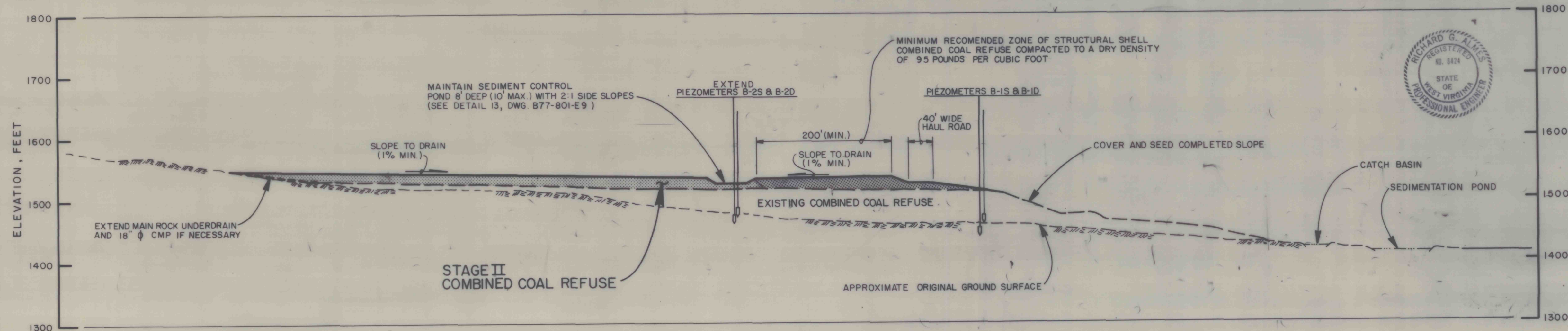
DRAWING
NUMBER B77-801-E11CHECKED BY
APPROVED BYRGN
2-2-81DRAWN
BY

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- NOTES
1. ALL ELEVATIONS ARE ABOVE MSL, USGS DATUM.
 2. GRUB AND STRIP AREA TO BE COVERED BY STAGE II COMBINED COAL REFUSE DISPOSAL AND KEY EMBANKMENT INTO THE NATURAL HILLSIDE WITH STRUCTURAL SHELL ZONE.
 3. REFER TO THE GUIDELINE TECHNICAL SPECIFICATIONS, APPENDIX A, FOR DETAILS ON COAL REFUSE PLACEMENT AND COMPACTION AND OTHER CONSTRUCTION ITEMS.
 4. THE DISPOSAL SEQUENCE OF DIKE CONSTRUCTION AND DOWNSTREAM PLACEMENT SHALL CONTINUE UNTIL THE REFUSE SURFACE IS APPROXIMATELY HORIZONTAL WITH MINIMUM GRADE TO DRAIN AT APPROXIMATELY ELEVATION 1545'. A SEDIMENTATION POND WILL BE CONSTRUCTED TO COLLECT SURFACE RUNOFF FROM THE WORKING SURFACE.
 5. THE STRUCTURAL ZONE WILL HAVE COMBINED COAL REFUSE COMPACTED TO A MINIMUM DRY DENSITY OF 95 POUNDS PER CUBIC FOOT.
 6. DETAILS OF SURFACE DRAINAGE FACILITIES ARE SHOWN IN DRAWINGS NOS. B77-801-E8 AND E9.
 7. IF REQUIRED, THE EXISTING ROCK UNDERDRAINS AND THE 16-INCH-DIAMETER CMP PIPE WILL BE EXTENDED ABOVE THE LIMITS OF THE COAL REFUSE EMBANKMENT.
 8. DURING INCLEMENT WEATHER OR WHEN THE COMBINED COAL REFUSE IS UNMANAGEABLE, DISPOSAL SHOULD BE MAINTAINED IN THE REAR OF THE EMBANKMENT.
 9. TO MAINTAIN PROPER DRAINAGE INTO THE POND, COMBINED COAL REFUSE WILL BE PLACED UPSTREAM OF THE POND AND WORKED TOWARD THE POND PRIOR TO PLACING THE NEXT LIFT IN THE STRUCTURAL SHELL AREA.



SECTION A-A

REVISION
 △ MODIFIED SURFACE DRAINAGE FACILITIES D1 & D2, AND STILLING AREAS

DRAWING NO. B77-801-E11	SHEET NO. 4 of 12	FIGURE NO. 8
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STAGE II

COAL REFUSE DISPOSAL FACILITY
 MINE NO. 81
 BETHLEHEM MINES CORPORATION
 DRENNEN, WEST VIRGINIA

PREPARED FOR

BETHLEHEM MINES CORPORATION
 NICHOLAS DIVISION
 CHARLESTON, WEST VIRGINIA

D'APPOLONIA