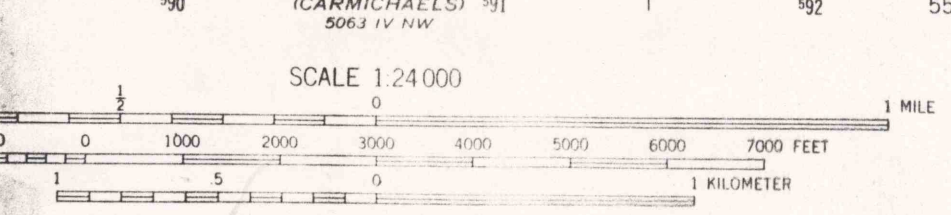


PROPOSED PORTAL RECLAMATION
 Exhibit A-1
 CRESCENT HILLS COAL COMPANY, INC.
 CRESCENT HILLS MINE
 WEST PIKE RUN TOWNSHIP & CALIFORNIA BOROUGH
 WASHINGTON COUNTY, PENNSYLVANIA

Scale 1" = 2,000' Date 5-9-89
 Harvey Lewis, PE - 025027-P
 California Quadrangle
 7.5 Minute Series

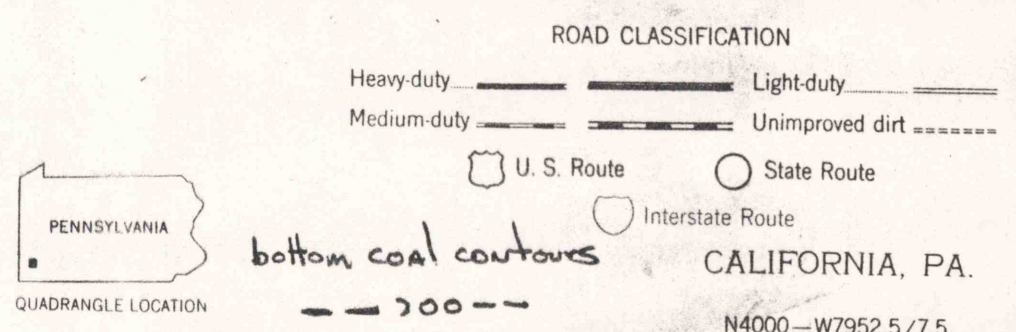
Affected Area

REGISTERED PROFESSIONAL
 Harvey Sweetland Lewis Jr.
 PENNSYLVANIA
 NO 2587-E



CONTOUR INTERVAL 20 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
 OLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



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