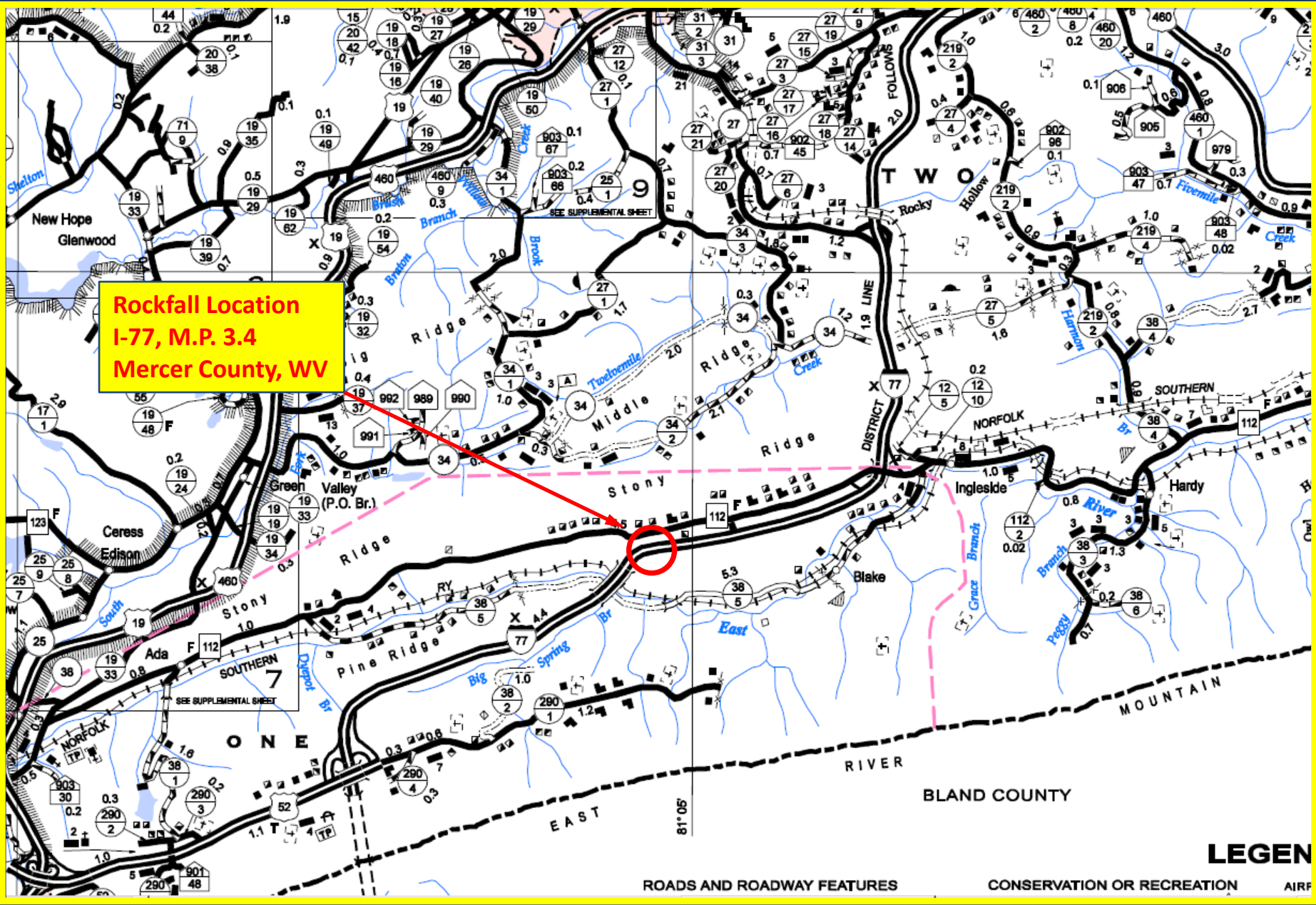


***Interstate 77 Rockfall
Mercer County, West Virginia***



***Aaron L. Wentz
WV DOT***

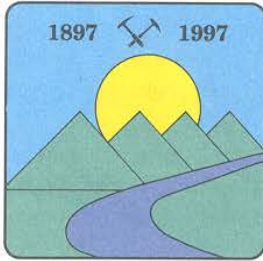
Rockfall Location
I-77, M.P. 3.4
Mercer County, WV



ROADS AND ROADWAY FEATURES CONSERVATION OR RECREATION AIRP

LEGEN

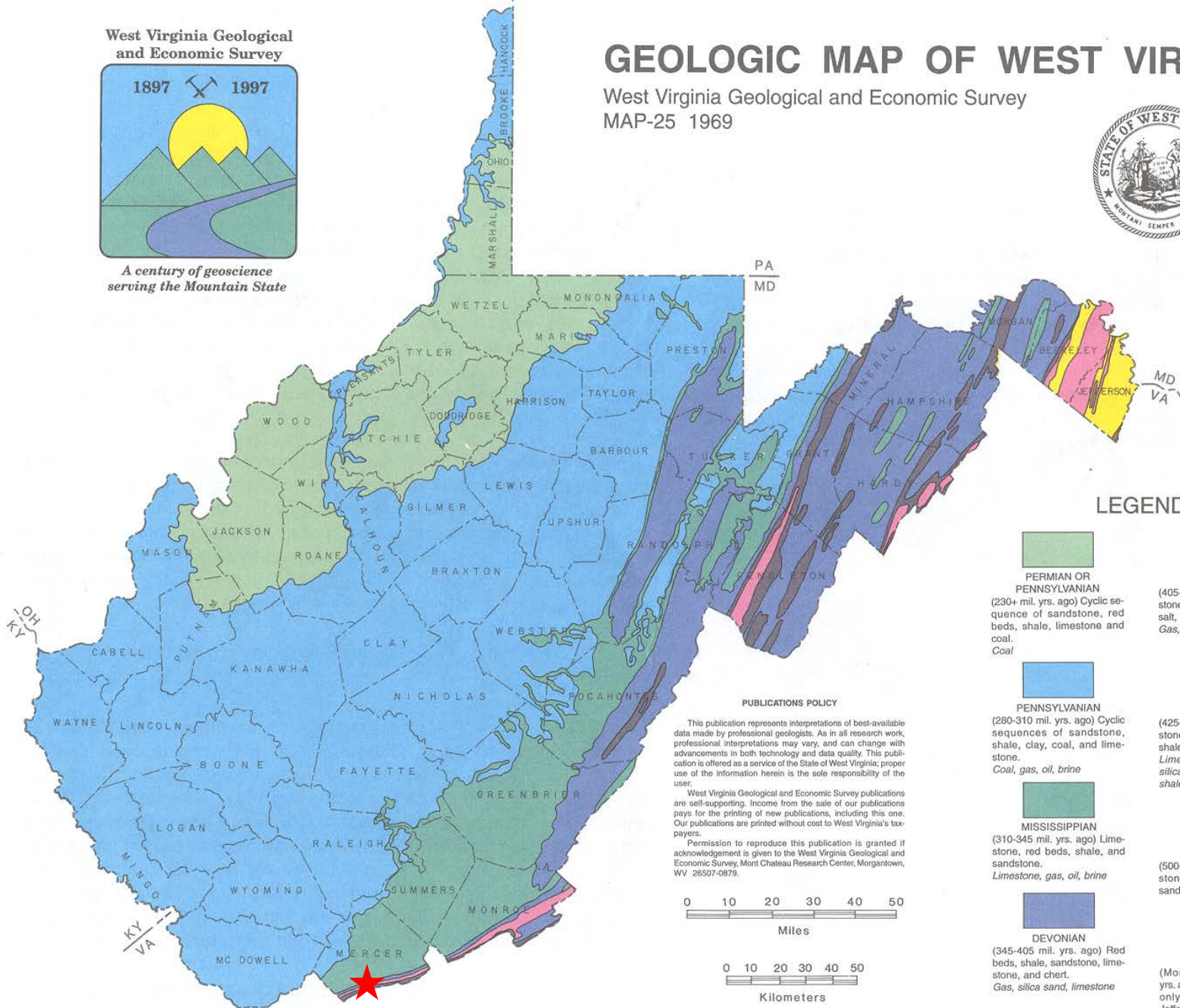
West Virginia Geological and Economic Survey





A century of geoscience serving the Mountain State

GEOLOGIC MAP OF WEST VIRGINIA

West Virginia Geological and Economic Survey
MAP-25 1969



LEGEND

- | | |
|--|--|
|  |  |
| PERMIAN OR PENNSYLVANIAN
(230+ mil. yrs. ago) Cyclic sequence of sandstone, shale, limestone, red beds, shale, limestone and coal. | SILURIAN
(405-425 mil. yrs. ago) Sandstone, shale, limestone, rock salt, and ferruginous beds. Gas, limestone, artificial brine |
|  |  |
| PENNSYLVANIAN
(280-310 mil. yrs. ago) Cyclic sequences of sandstone, shale, clay, coal, and limestone. Coal, gas, oil, brine | ORDOVICIAN
(425-500 mil. yrs. ago) Limestone, dolomite, sandstone, shale, and metabentonite. Limestone (particularly low silica), building stone, clay-shale |
|  |  |
| MISSISSIPPIAN
(310-345 mil. yrs. ago) Limestone, red beds, shale, and sandstone. Limestone, gas, oil, brine | CAMBRIAN
(500-600 mil. yrs. ago) Limestone and dolomite, some sandstone and shale. |
|  |  |
| DEVONIAN
(345-405 mil. yrs. ago) Red beds, shale, sandstone, limestone, and chert. Gas, silica sand, limestone | PRECAMBRIAN
(More than 600 mil. yrs. ago) Greenstone. Present only in extreme eastern Jefferson County. |

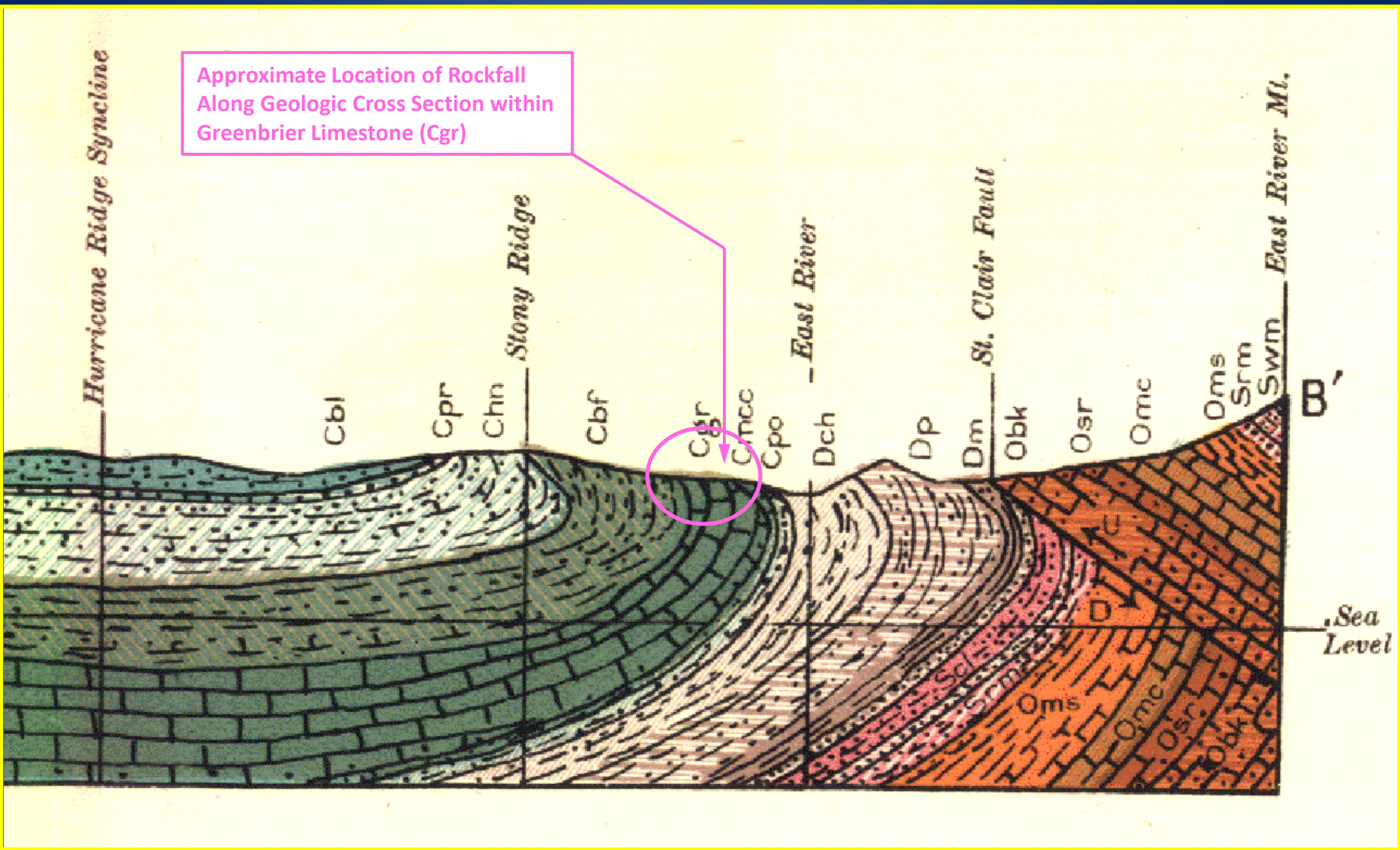
PUBLICATIONS POLICY

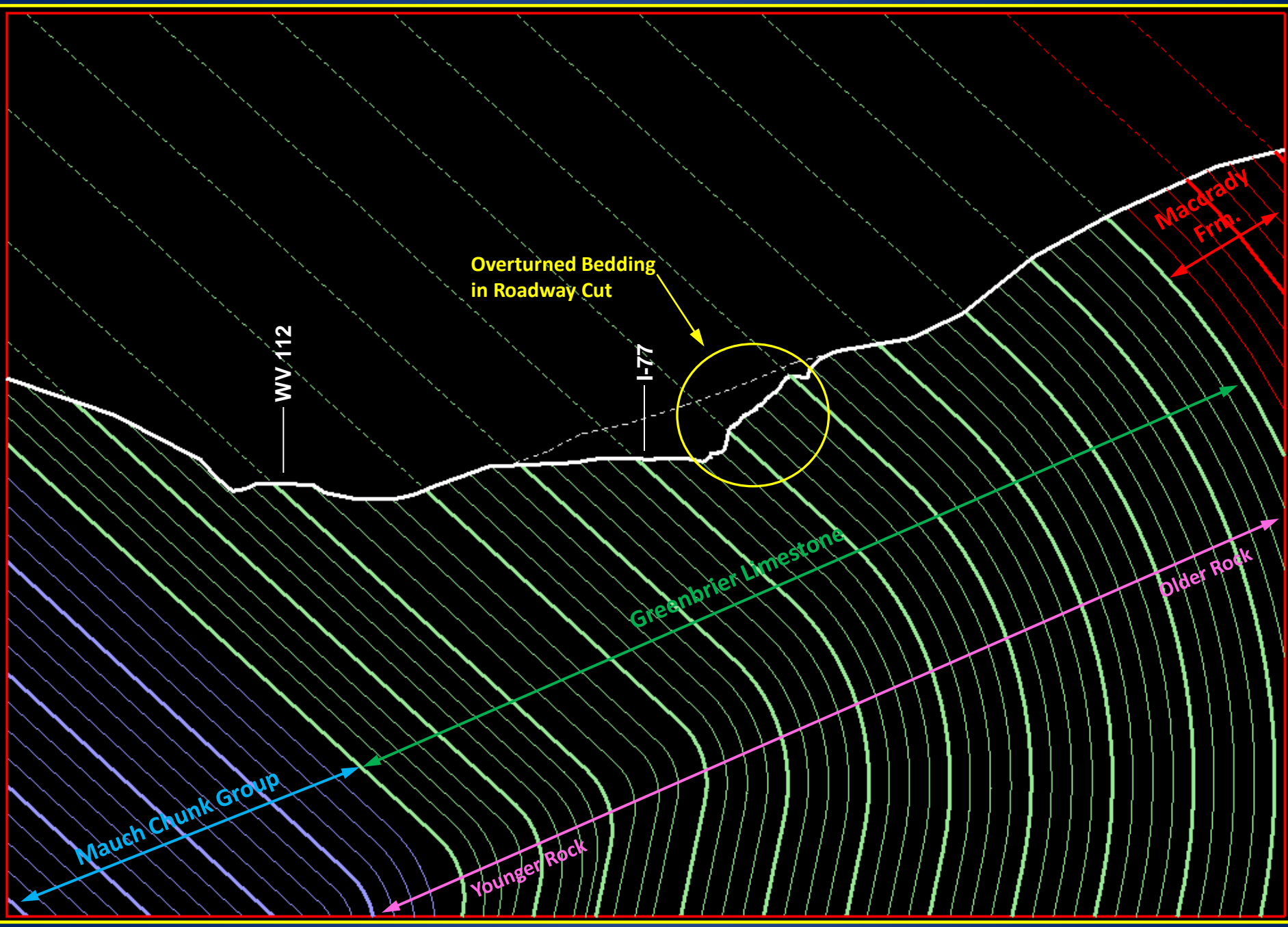
This publication represents interpretations of best-available data made by professional geologists. As in all research work, professional interpretations may vary, and can change with advancements in both technology and data quality. This publication is offered as a service of the State of West Virginia; proper use of the information herein is the sole responsibility of the user.

West Virginia Geological and Economic Survey publications are self-supporting. Income from the sale of our publications pays for the printing of new publications, including this one. Our publications are printed without cost to West Virginia's taxpayers.

Permission to reproduce this publication is granted if acknowledgment is given to the West Virginia Geological and Economic Survey, Mont Chateau Research Center, Morgantown, WV 26507-0879.









World • United States • WV • Mercer Co.



112

Ingleside Rd

112

Ingleside Rd

















AM10:58 MAR/25/2013



PM 1:36 MAR/27/2013



PM12:24 MAR/25/2013

1069



PM 1:07 MAR/27/2013







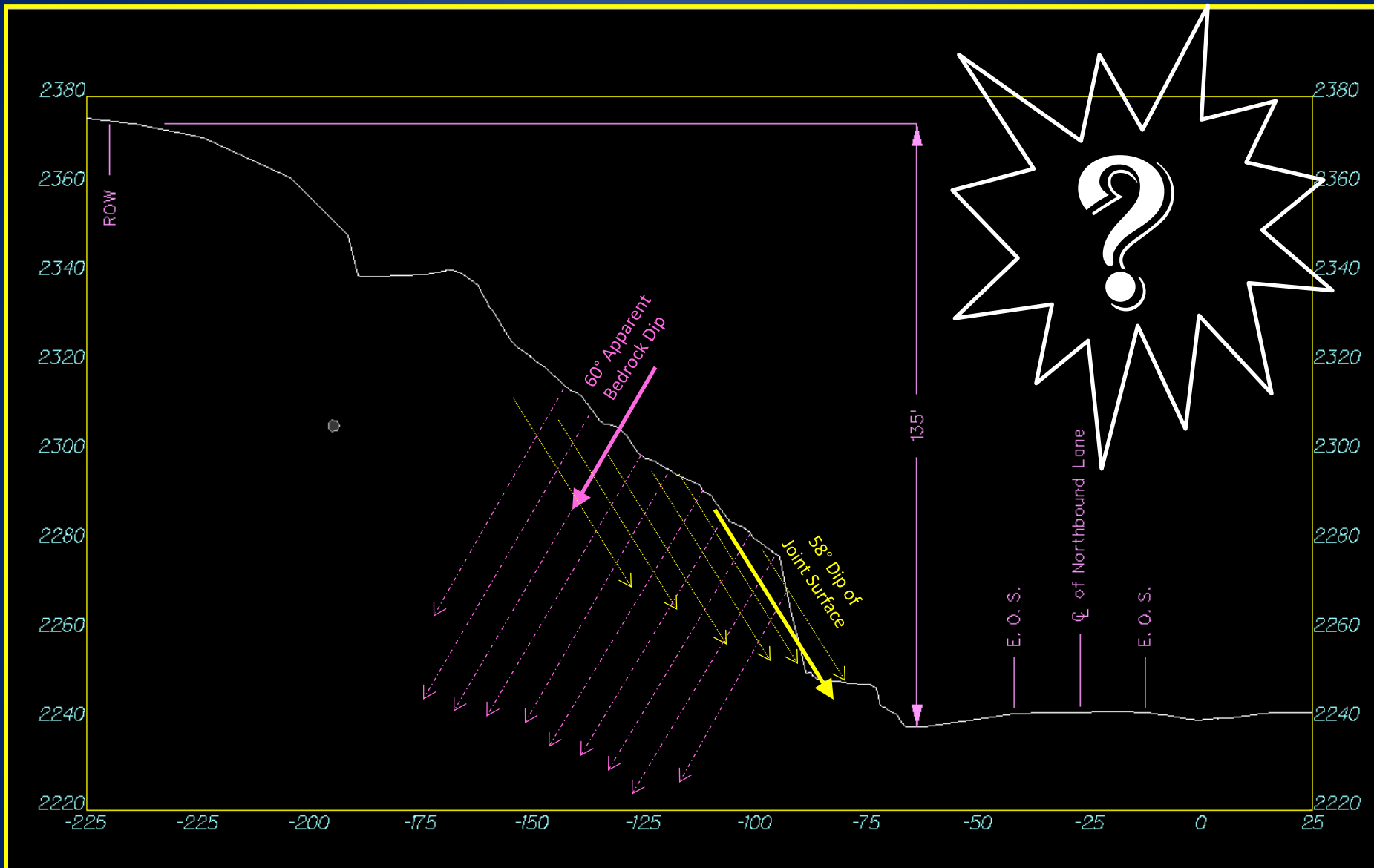




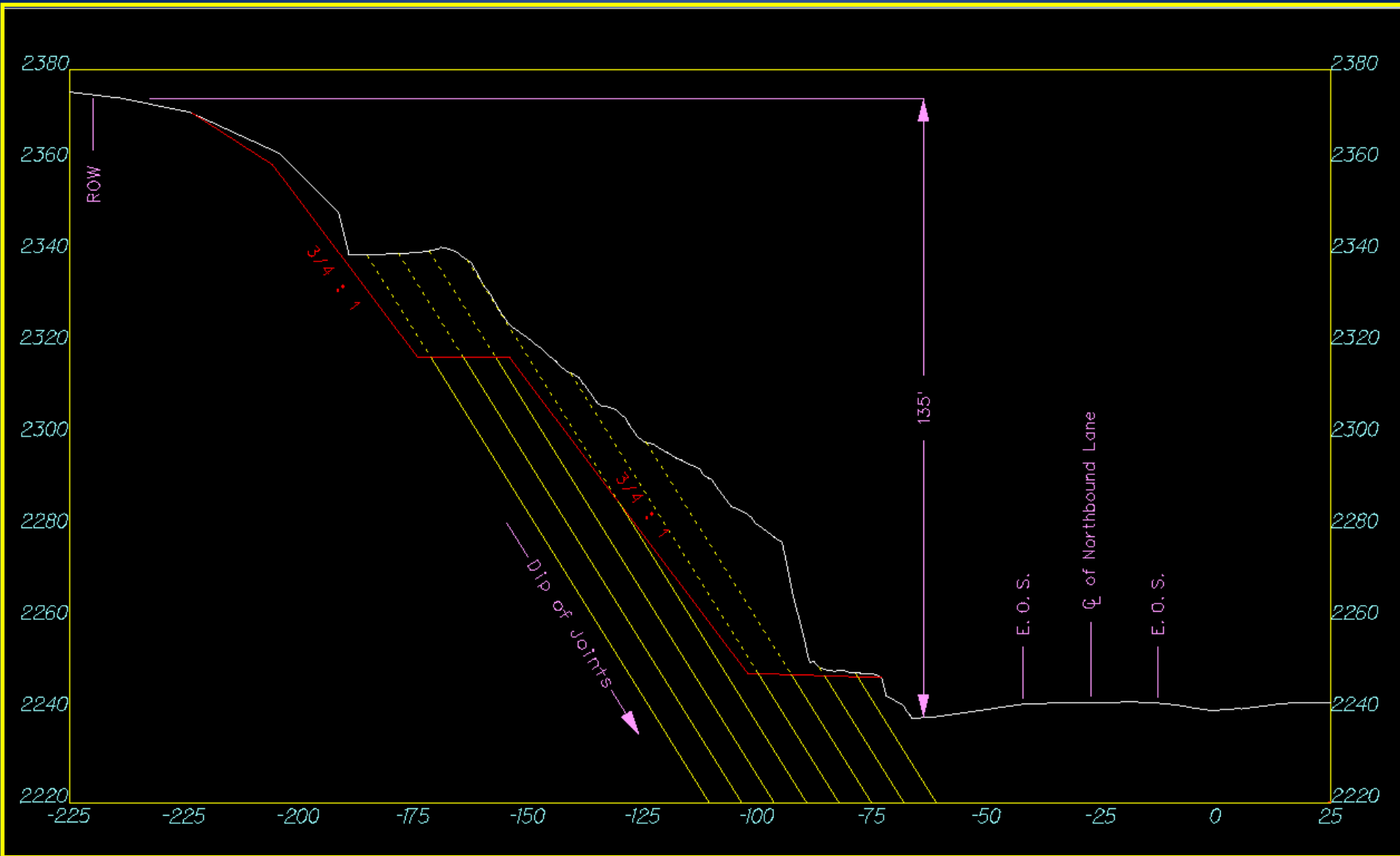




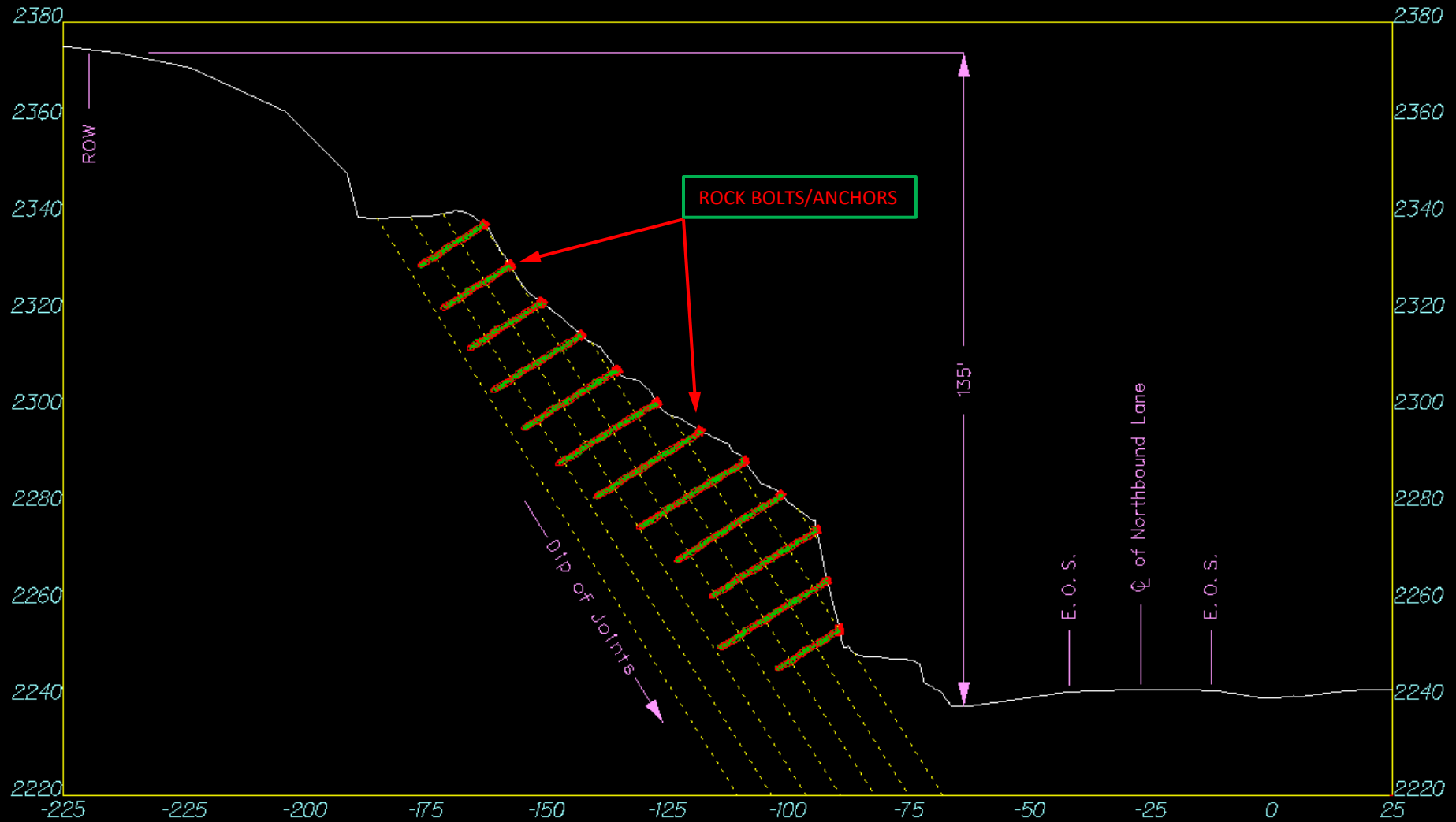
EXISTING CONDITIONS AFTER ROCKFALL



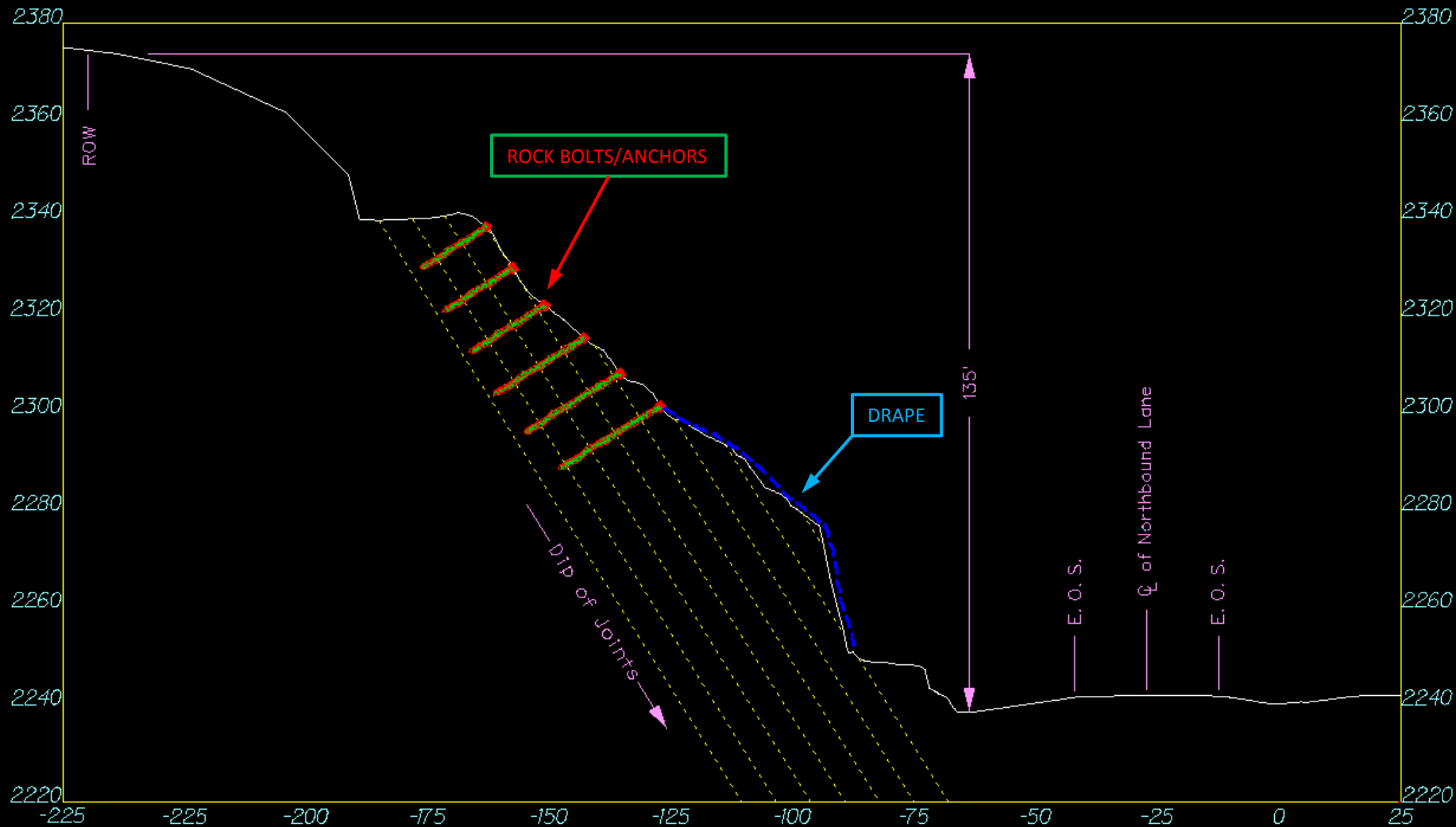
SLOPE REDESIGN TO INCREASE STABILITY



MECHANICALLY STABILIZE EXISTING SLOPE



STABILIZE EXISTING SLOPE/CONTROL DEBRIS





**Thank you from the
West Virginia
Division of Highways**