

MATCH TO SHEET 12

HYDRAULIC BARRIER

25° ANGLE OF DRAW

PERMIT & SUBSIDENCE BOUNDARY

N 6,000

N 5,000

W 6,000

W 5,000

W 4,000

W 3,000

N 4,000

MUSSER ENGINEERING, INC. IS NOT RESPONSIBLE FOR  
MAPPING BEFORE JUNE, 1985. MAPPING PRIOR TO THAT  
DATE WAS CONDUCTED BY THE ENGINEERING STAFF OF  
VALLEY COAL COMPANY.

4-30-98  
MODULE 19.5 FINAL MAP

VALLEY COAL COMPANY

LEONARD RUN NO. 1 MINE  
LOWER KITTANNING COAL SEAM

SITING:  
PINE TOWNSHIP, INDIANA COUNTY,  
PENNSYLVANIA

SCALE: 1" = 200'

RD-1 Central City, PA 15926  
(814) 754-8477  
MEI  
Musser Engineering, Inc.

SHEET #13

130A

RUN

131

No Zone of Influence

80C

80D

80A

MATCH TO SHEET 14

97A 97C 97B

98 98B 98A

93B CEMETERY 93C

93A SUBSIDENCE CONTROL BLOCK

74B 74C

74J 74I 74D 74K

74H 74E 74G 74F

DH PT42

DH CH98

DH CH99

SP127

T-868

T-631

89A

80

80C 80D 80A

80B

106 III

74 W

15

88 88A

SAFETY ZONE

MATCH TO SHEET 8

### Subsidence Legend

Previous Six-Month's Mining  To   
Contemplated Mining  To   
Mining Completed

Subsidence Control Plan Boundary

Occupied Dwelling   
Unoccupied Structures

NOTE: Any Pillar That Straddles A Support Line Will Remain In Place.

SUPPORT AREAS:  
No Mining Within   
Subsidence Control Area

76 XX

30' BORE