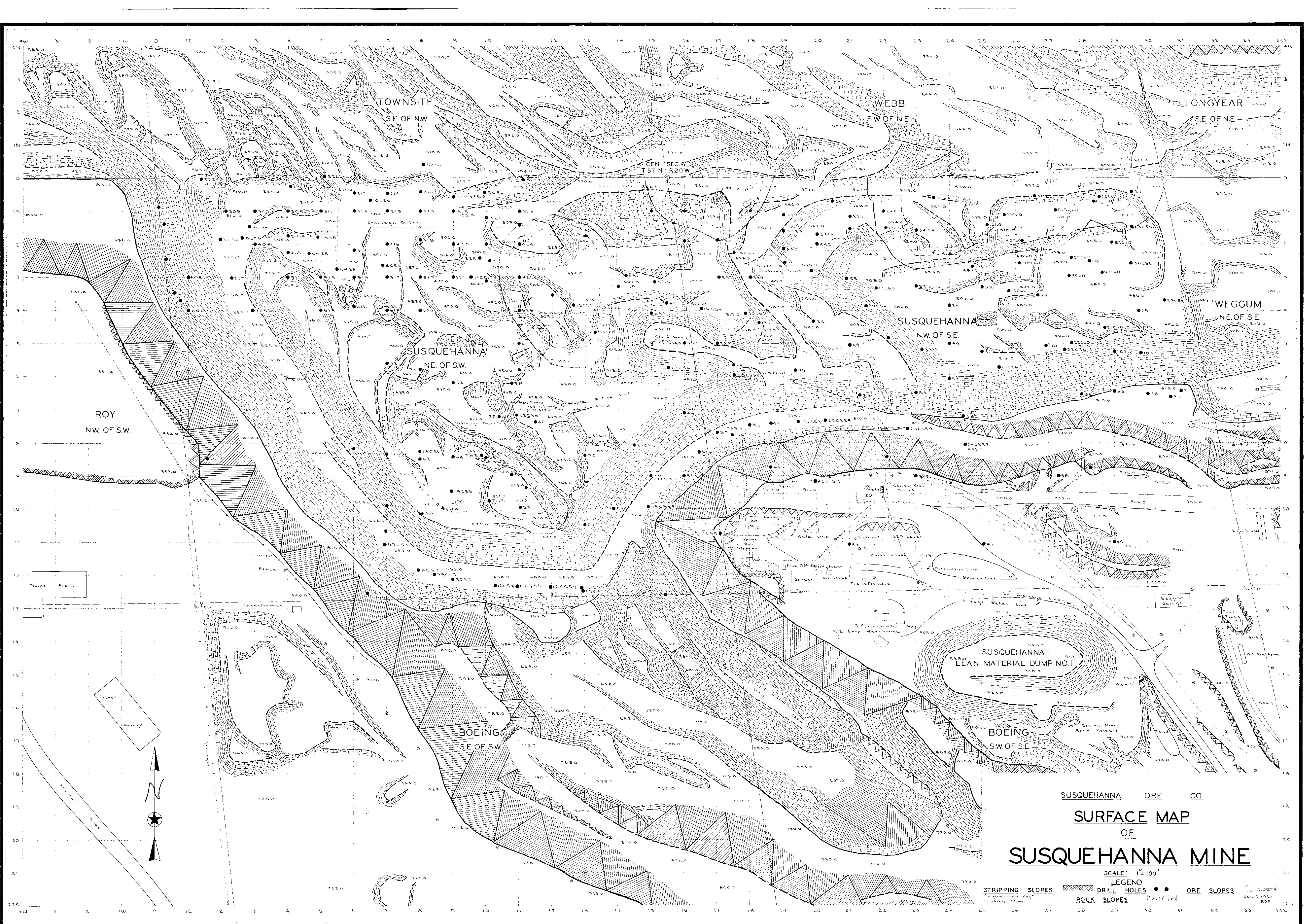
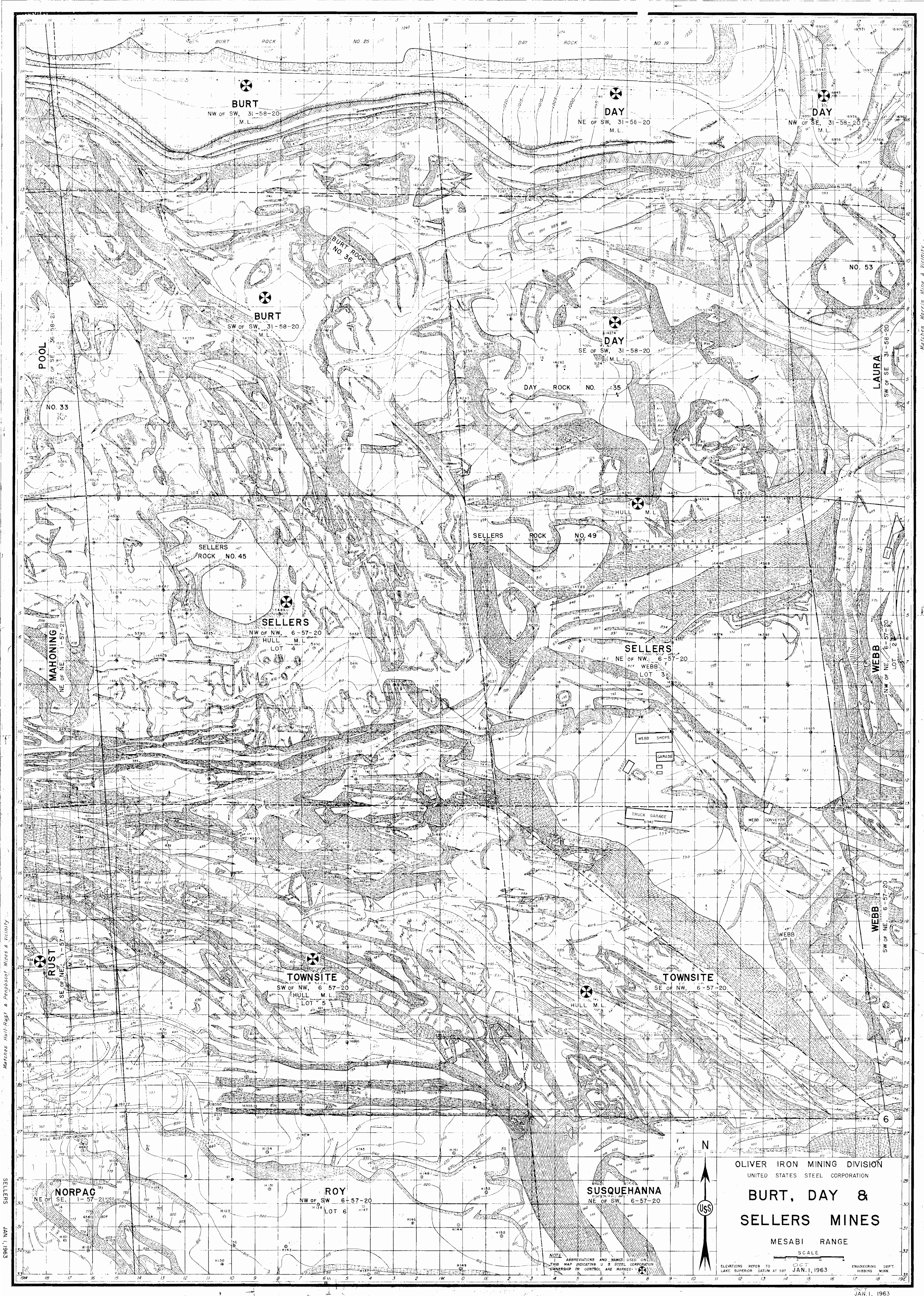




SUSQUEHANNA ORE CO.
SURFACE MAP
OF
SUSQUEHANNA MINE
SCALE: 1"=100'
LEGEND
STRIPPING SLOPES DRILL HOLES ORE SLOPES
ROCK SLOPES
Jan 1, 1961
Engineering Dept.
Hibbing Mines



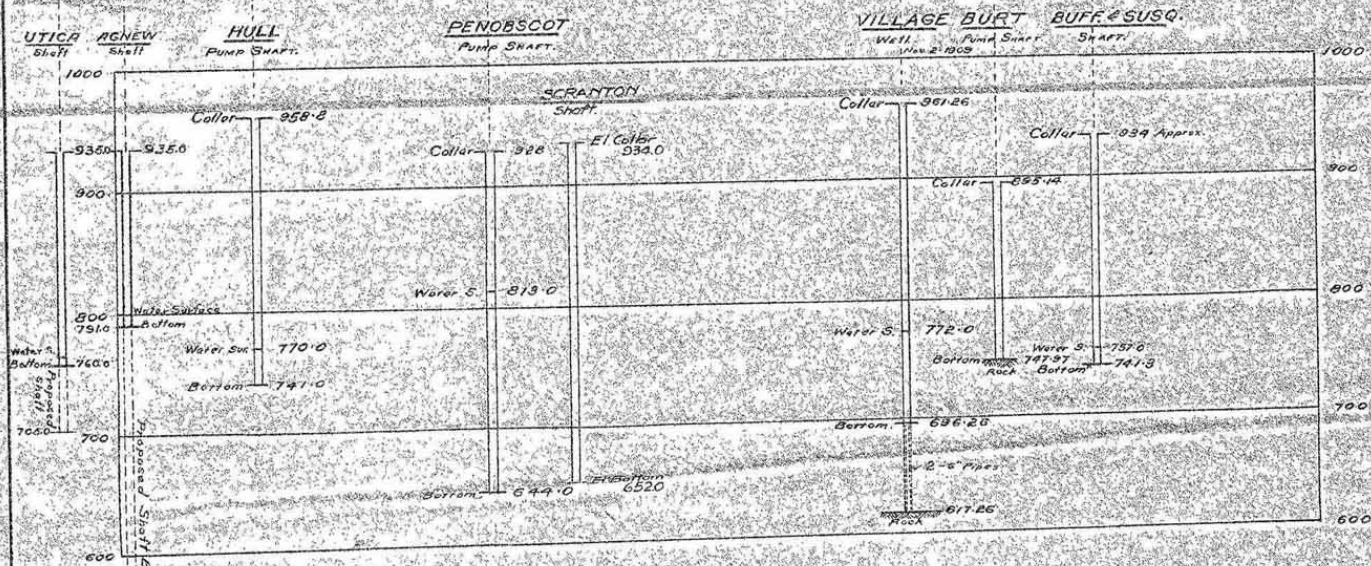
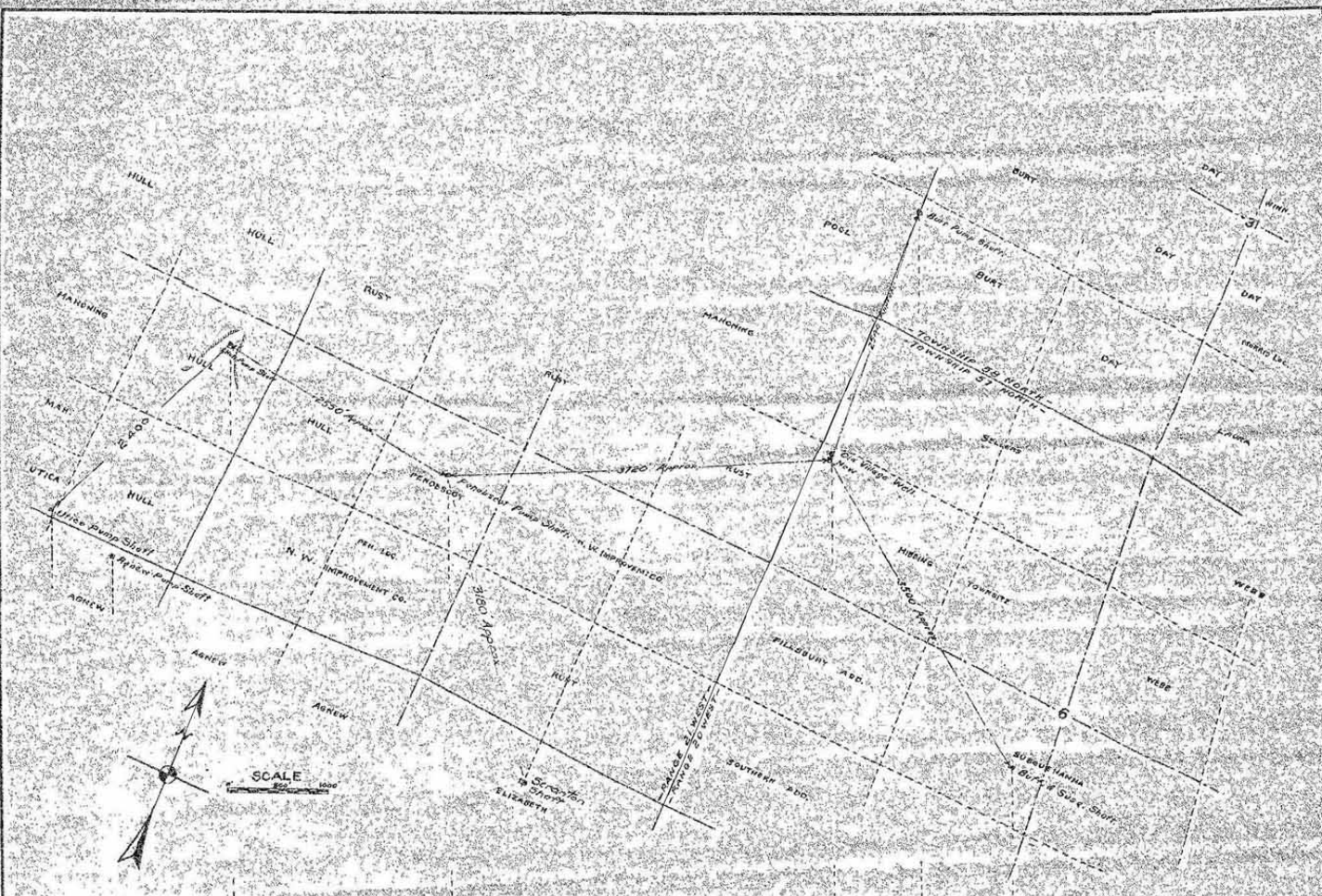
C-9

09 0504 71 52 80635 1-01-37 Burt Day Pool Sellers Mines C.09



MAP TO ACCOMPANY OPERATING ESTIMATE OF JAN. 1, 1937.

- | | | | |
|---------------------|--|-----------------|--|
| POWER SHOVEL ORE | | UNDERGROUND ORE | |
| MILLING & SCRAM ORE | | BOTTOM TACONITE | |



COMPARISON OF WATER LEVELS

Water Surface in HULL PUMP SHAFT = 43 ft. lower than in PENOBSCOT
 HYDRAULIC ANGLE = 0°-58"
 Water Surface in VILLAGE WELL = 41 ft. lower than in PENOBSCOT
 HYDRAULIC ANGLE = 0°-37"

Position of shaft - water level 52.5 - 50 ft 1917
 of Agnew Shaft - water in shaft 720

OLIVER IRON MINING CO.
WATER LEVELS
IN SHAFTS IN
VICINITY OF HIBBING
 Hibbing, Minn. Sept. 1-1910
 W.C.S.