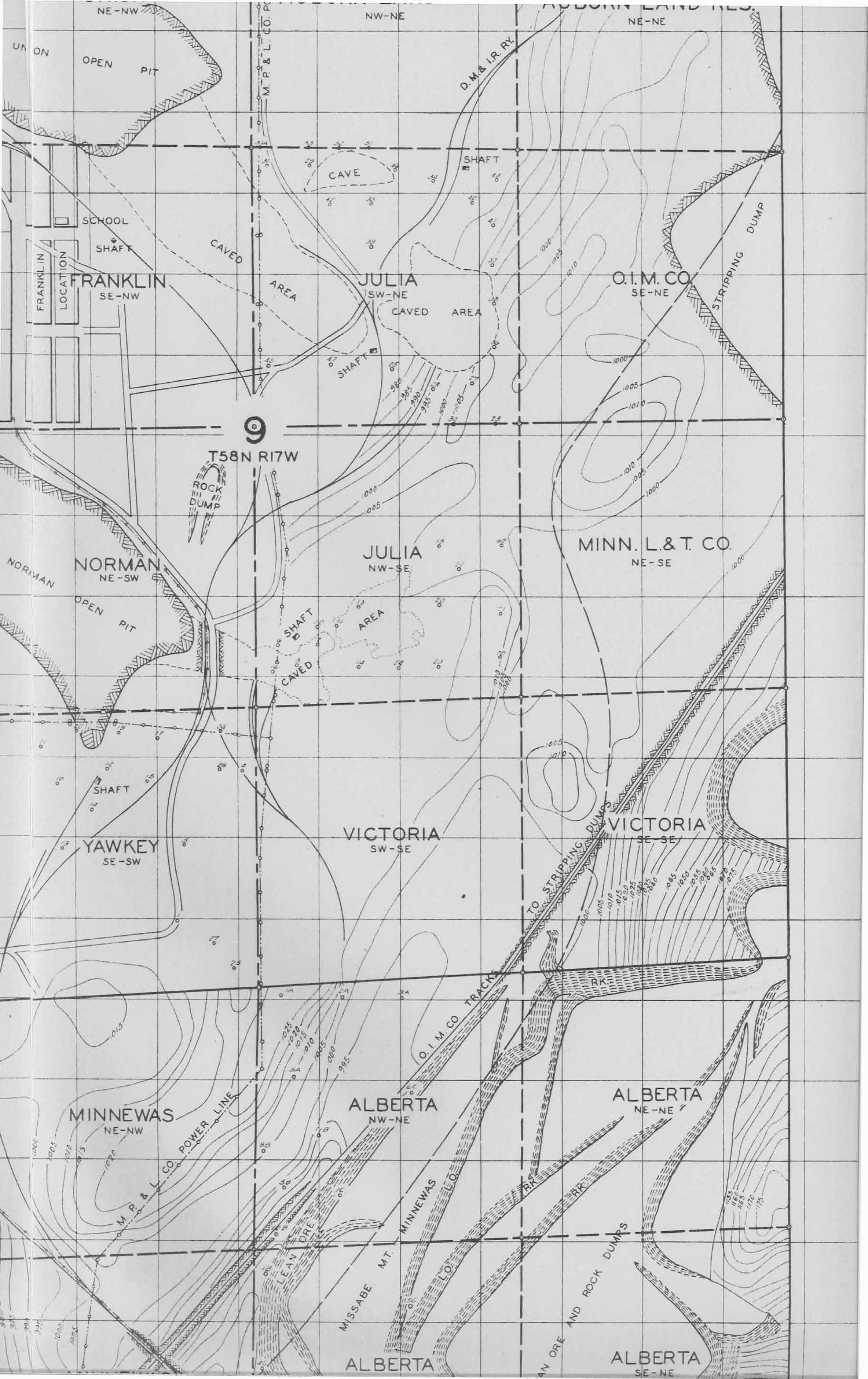
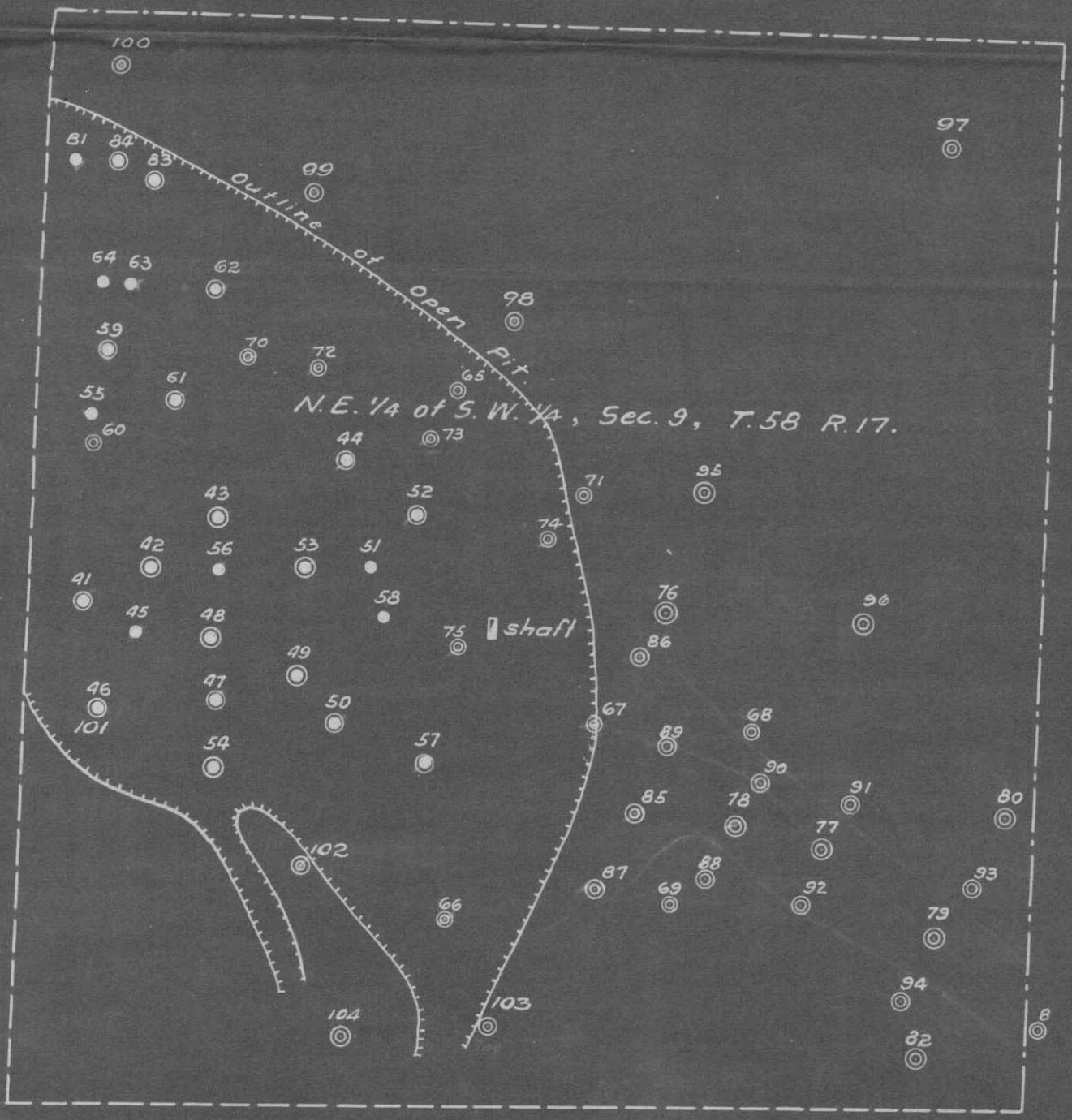
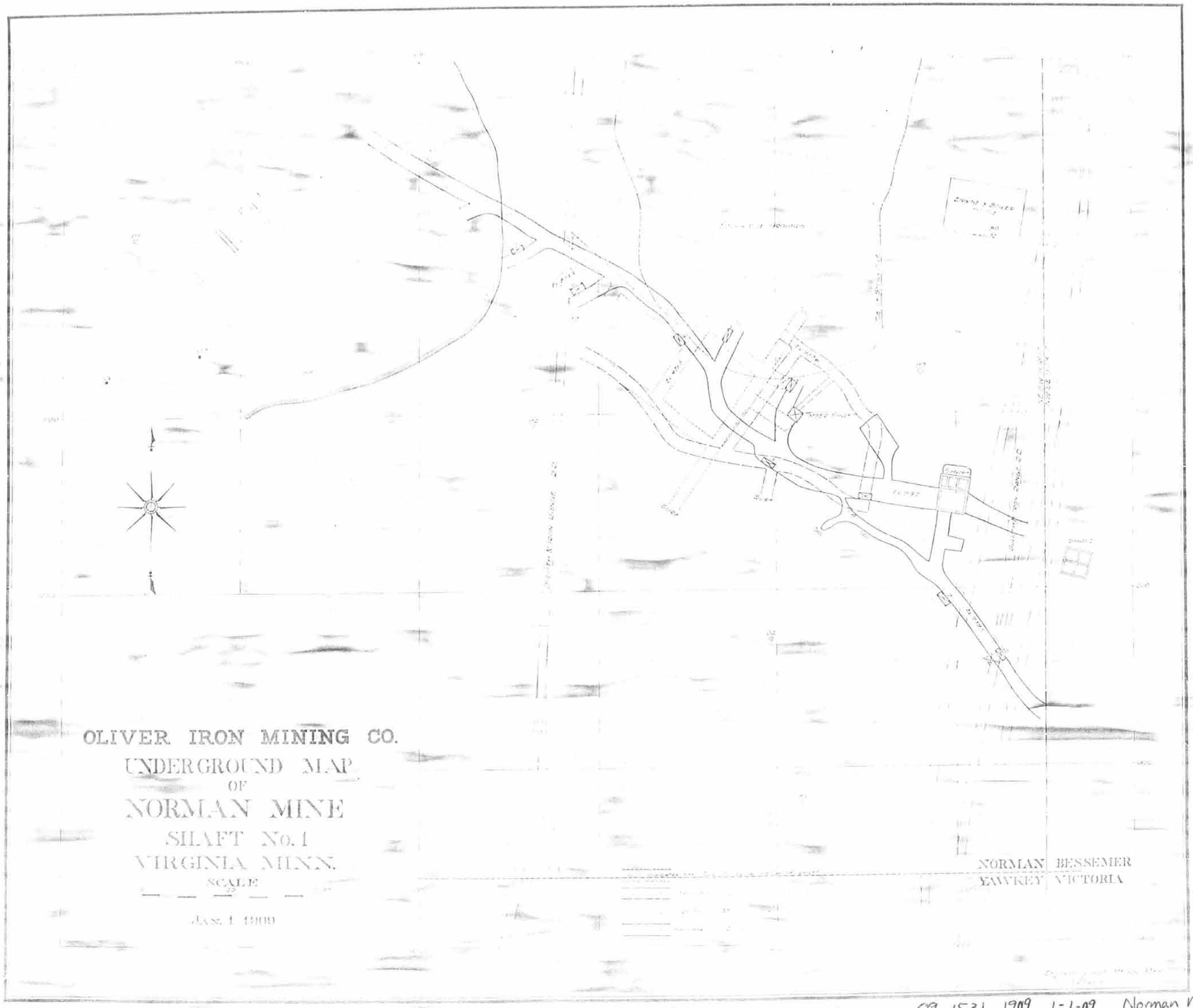

NE-NW
NW-NE
NE-NE
UNION OPEN PIT
M. P. & L. CO.
D. M. & I. R. RY.
SHAFT
CAVE
SCHOOL
SHAFT
CAVED AREA
FRANKLIN LOCATION
FRANKLIN
SE-NW
JULIA
SW-NE
CAVED AREA
SHAFT
O. I. M. CO.
SE-NE
STRIPPING DUMP
9
T58N R17W
ROCK DUMP
NORMAN
NE-SW
NORMAN OPEN PIT
JULIA
NW-SE
SHAFT
CAVED AREA
MINN. L.& T. CO.
NE-SE
SHAFT
YAWKEY
SE-SW
VICTORIA
SW-SE
TO STRIPPING DUMPS
VICTORIA
SE-SE
O. I. M. CO. TRACKS
RK.
MINNEWAS
NE-NW
M. P. & L. CO. POWER LINE
ALBERTA
NW-NE
ALBERTA
NE-NE
RK.
RK.
LEAN ORE
MISSABE MT.
MINNEWAS L.O.
LEAN ORE AND ROCK DUMPS
ALBERTA
ALBERTA
SE-NE

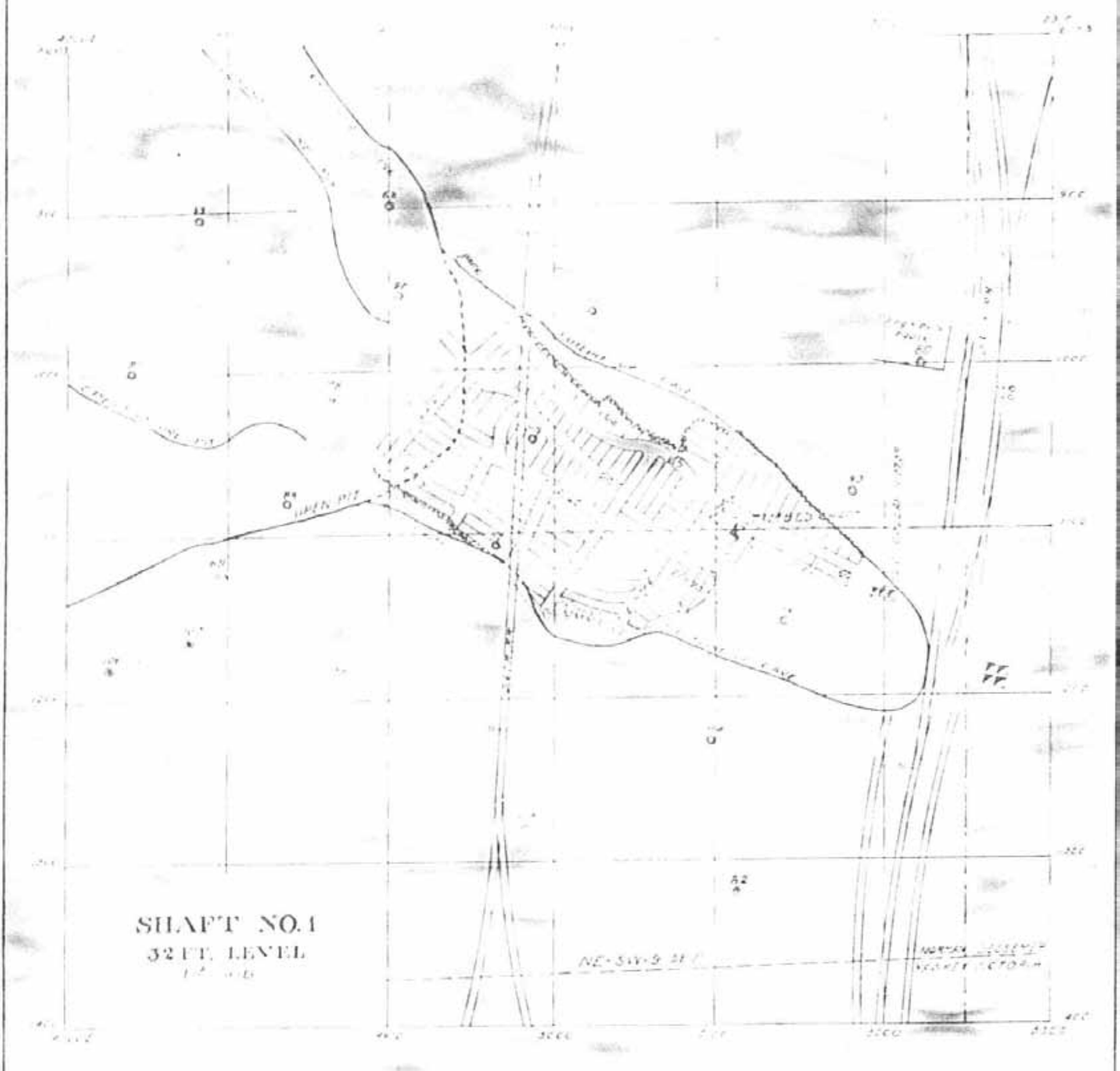


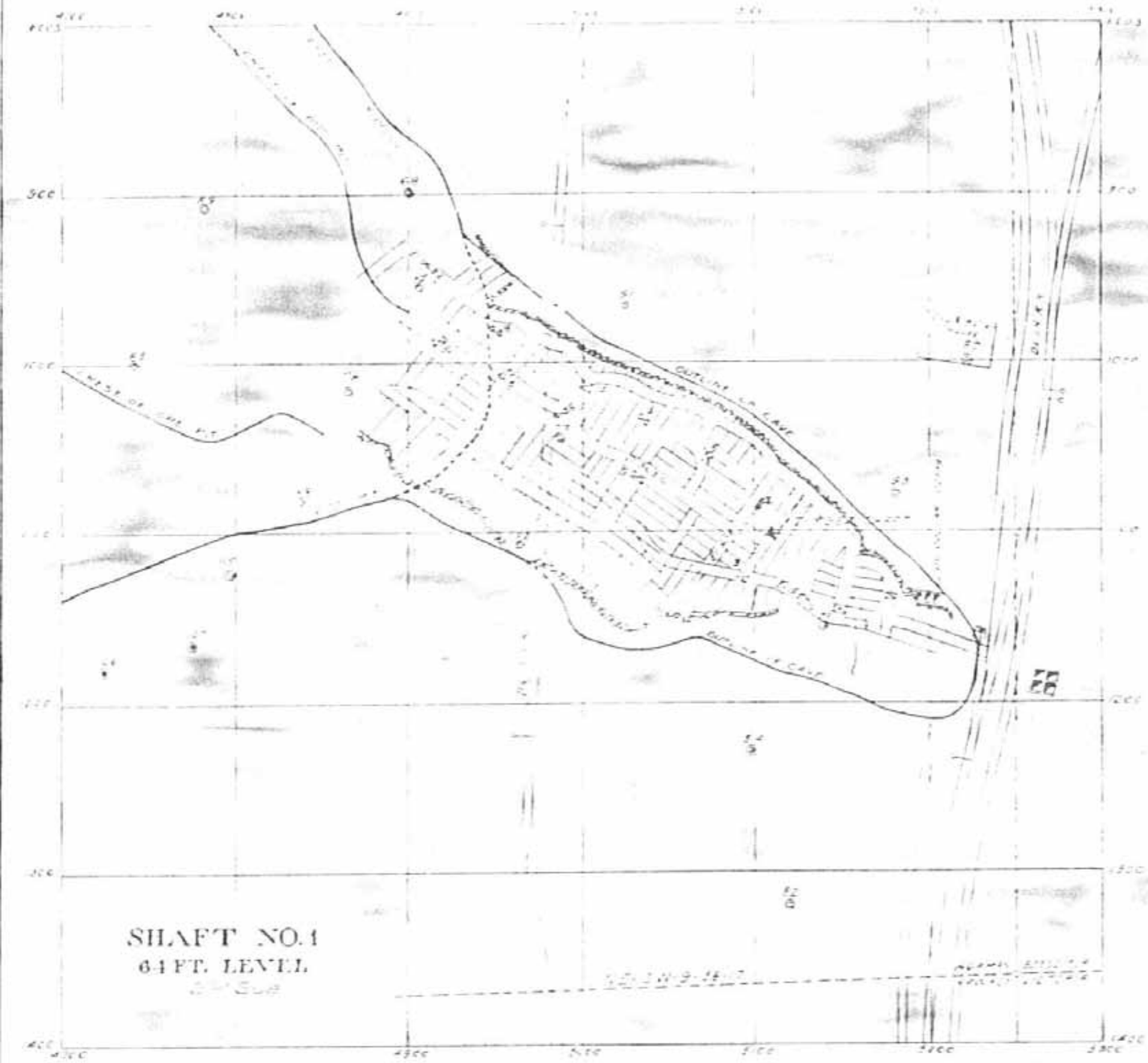

Ref.: Whiteprint 4645 and Blue prints furnished by Mt. Iron Office.

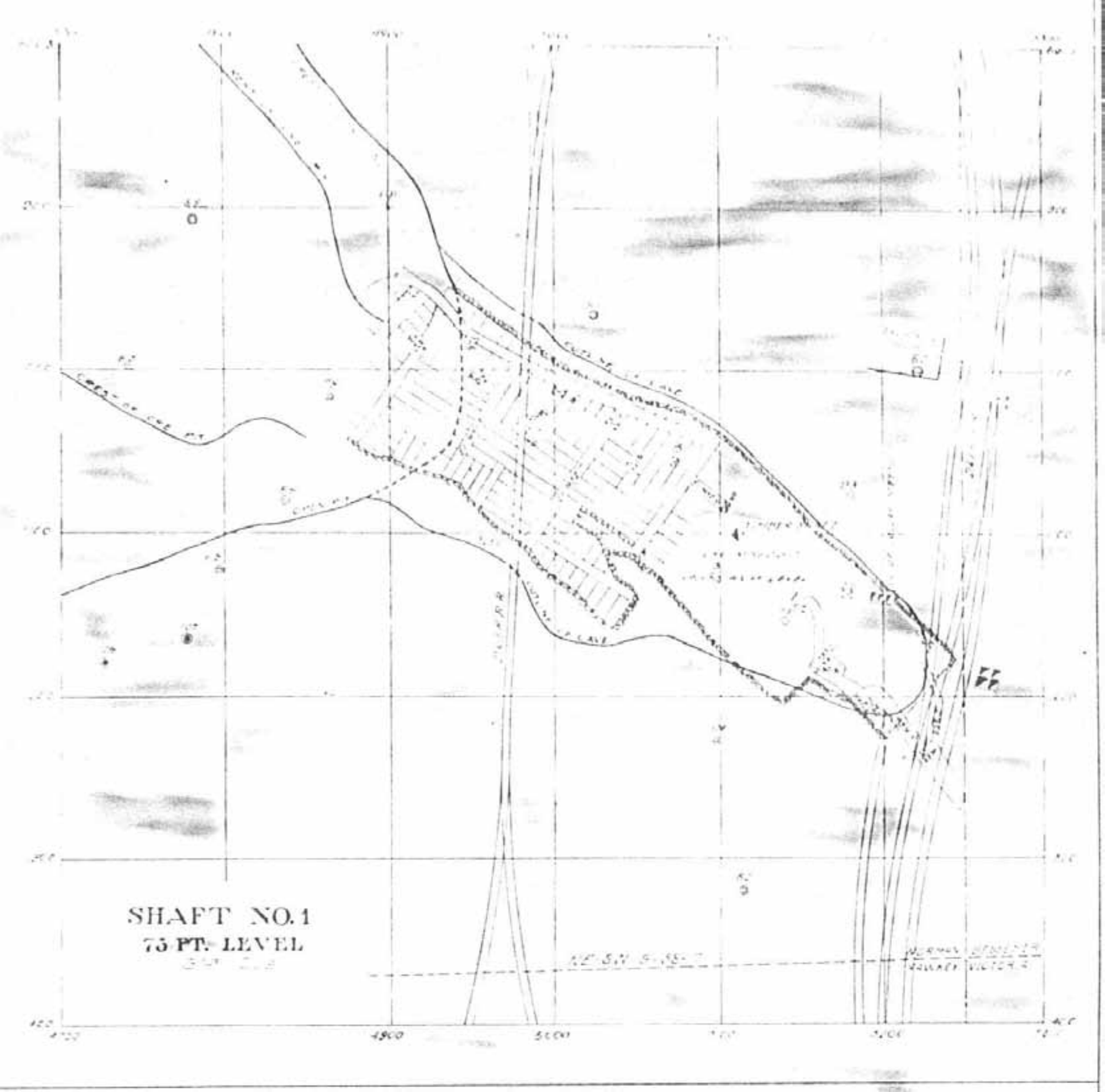
◆ Yawkee Shaft

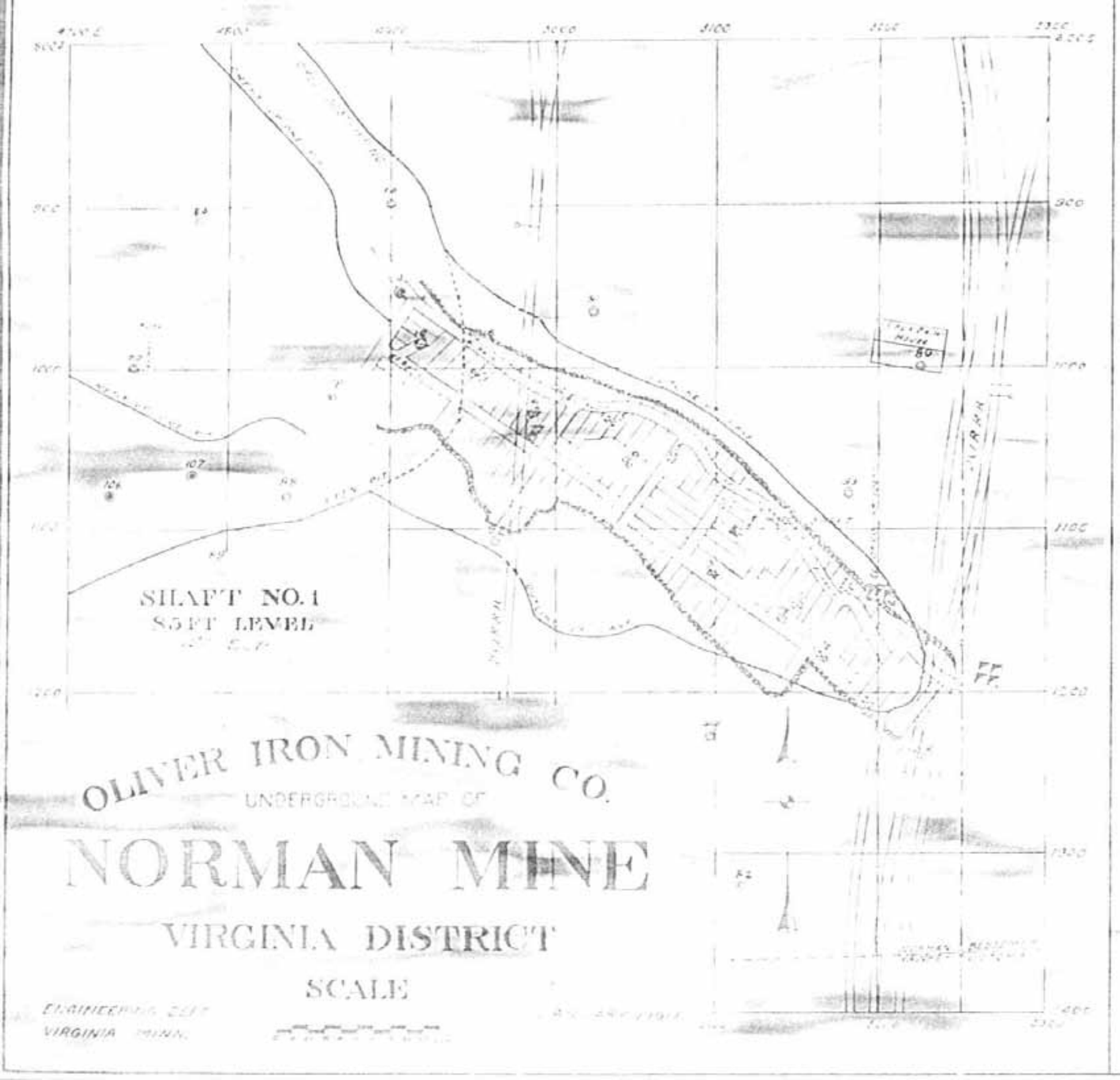


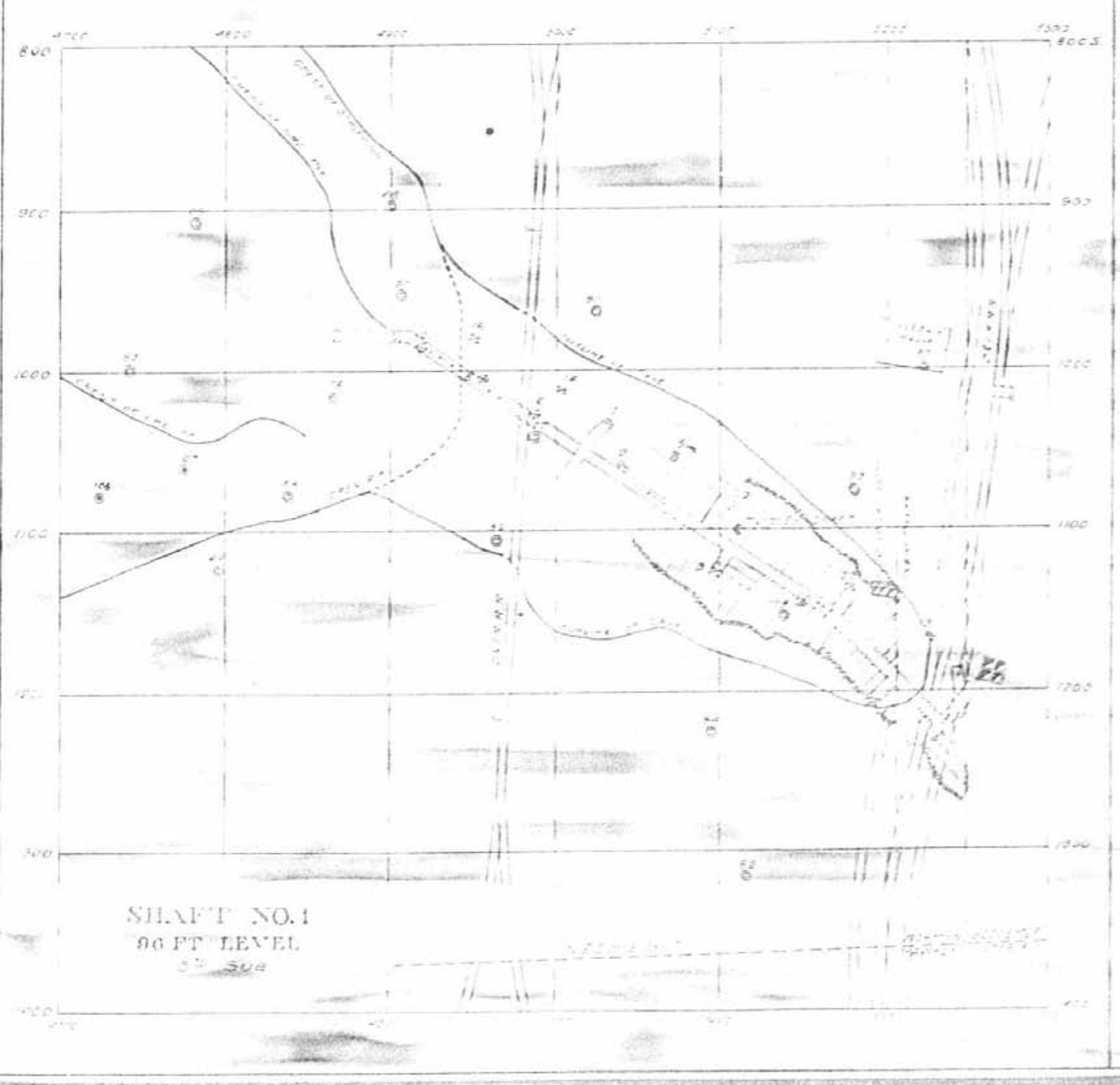

09 1531 1909 1-1-09 Norman Mine Shaft No. 1 A-32

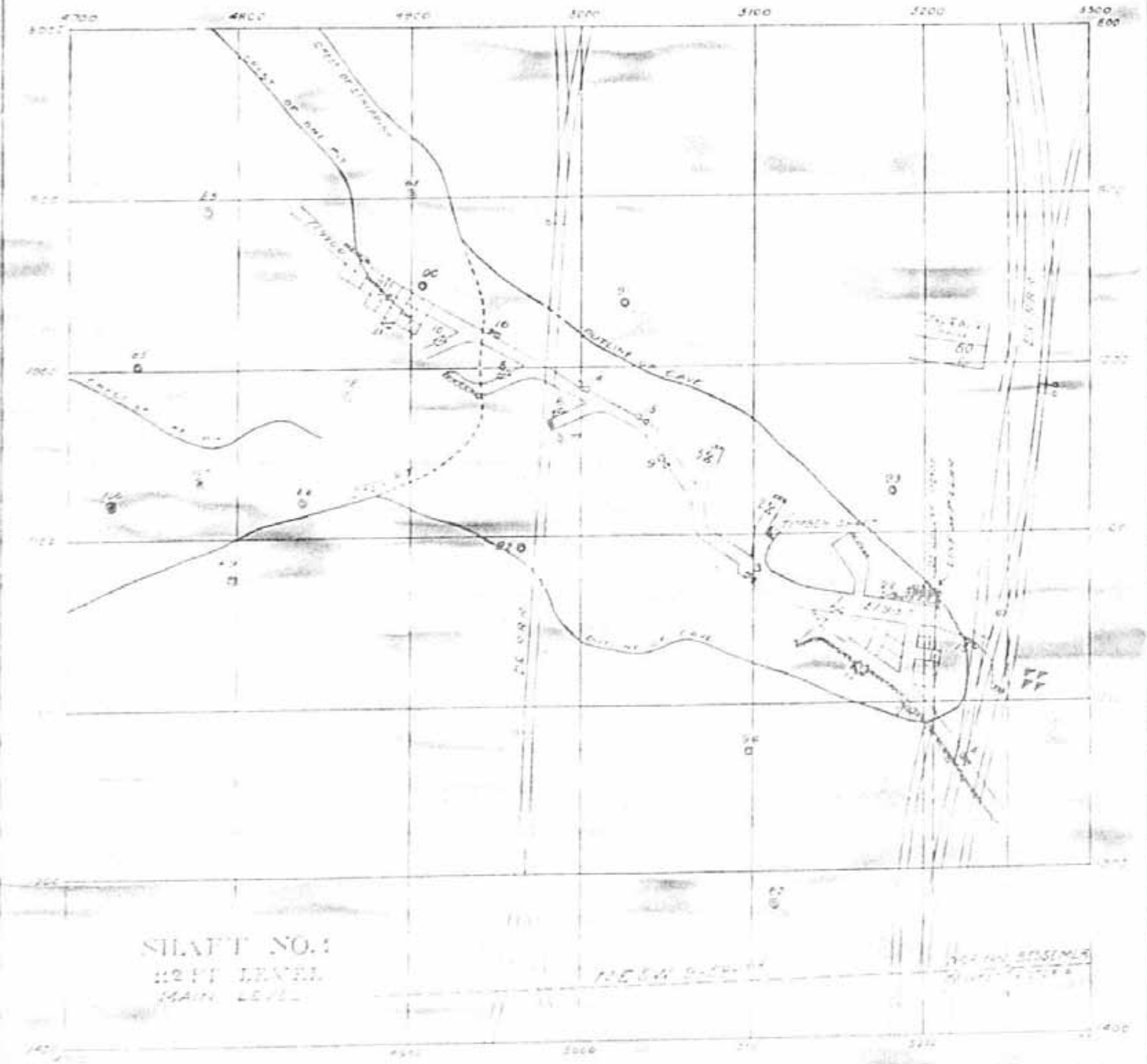

SHAFT NO. 1
32 FT. LEVEL


SHAFT NO. 1
64 FT. LEVEL

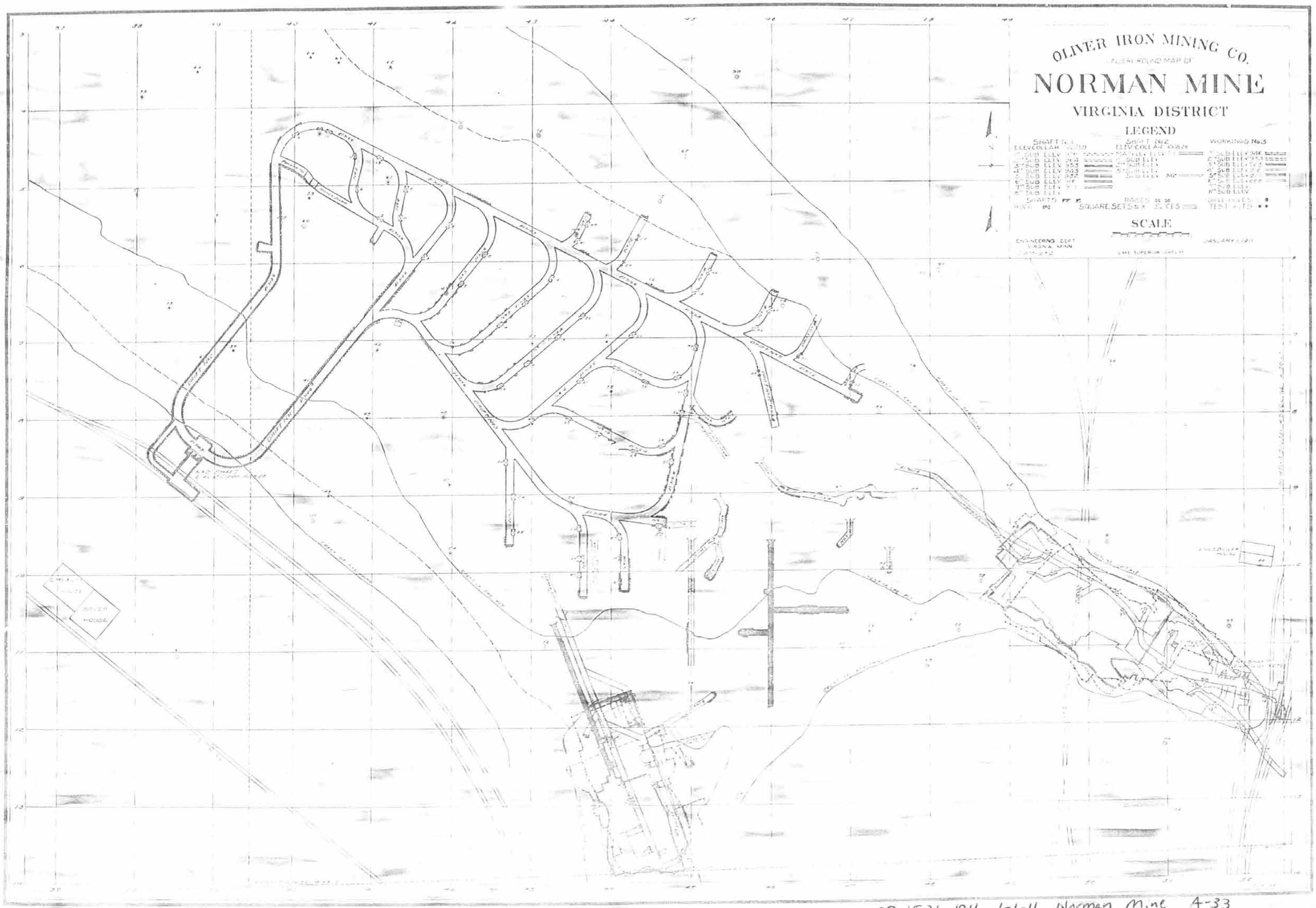

SHAFT NO. 1
75 PT. LEVEL
4900
5000


SHAFT NO. 1
55 FT LEVEL
OLIVER IRON MINING CO.
UNDERGROUND MAP OF
NORMAN MINE
VIRGINIA DISTRICT
SCALE
VIRGINIA MINN.

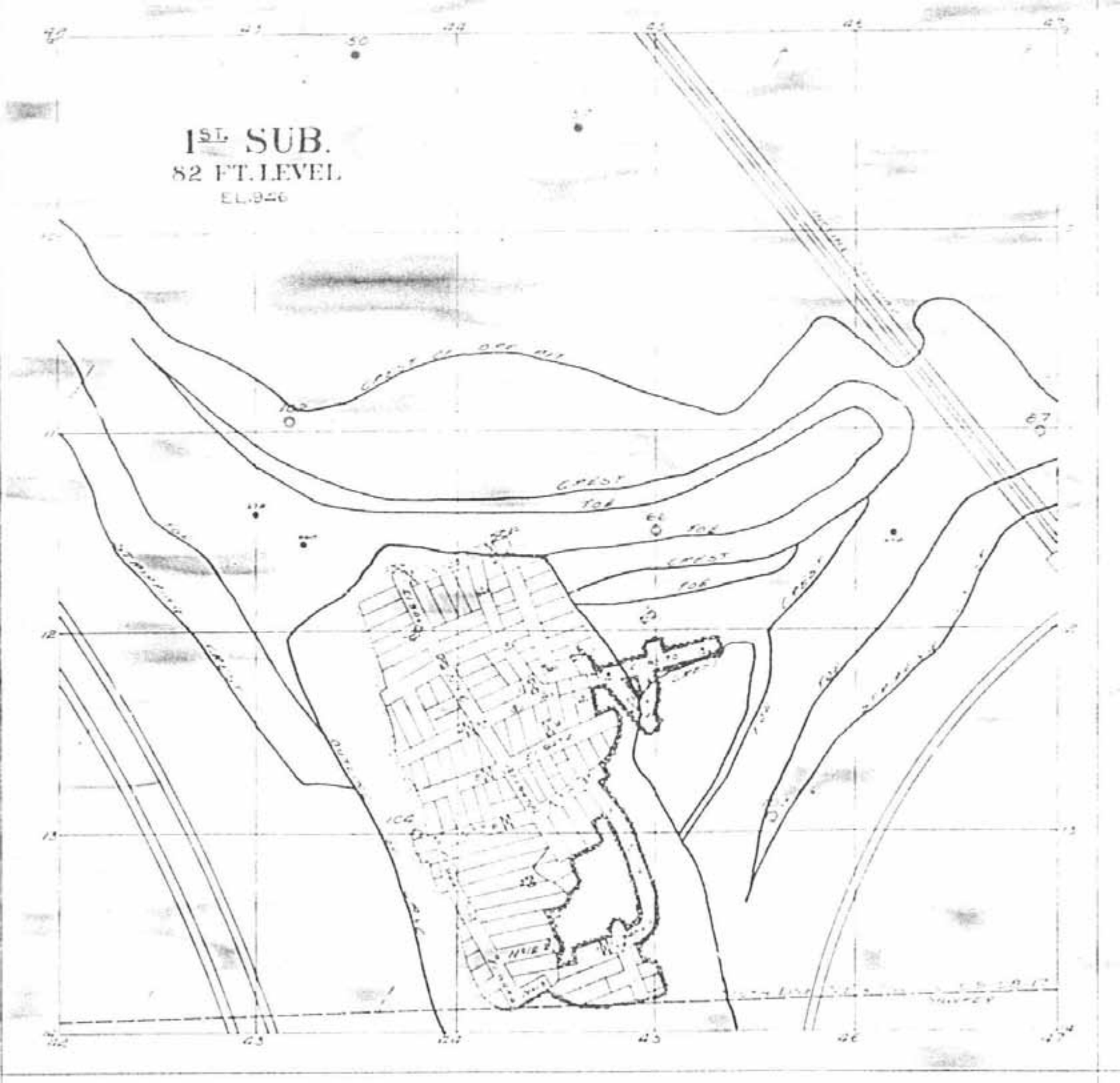

SHAFT NO. 1
96 FT LEVEL

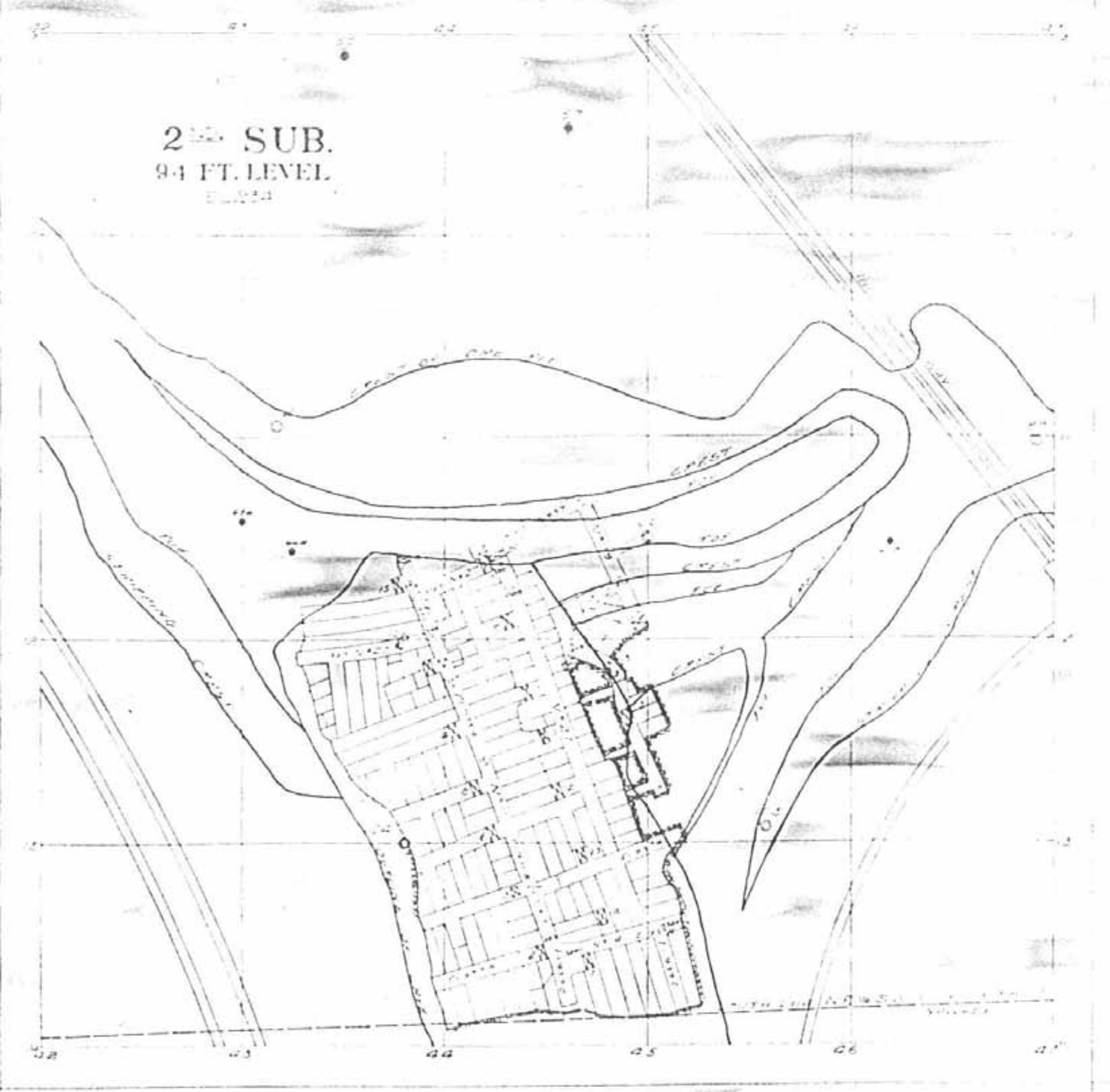

4700
4800
4900
5000
5100
5200
5300
800
600
400
OUTLINE OF CAVE
TIMBER SHAFT
SHAFT NO. 1
112 FT LEVEL
MAIN LEVEL

No 639

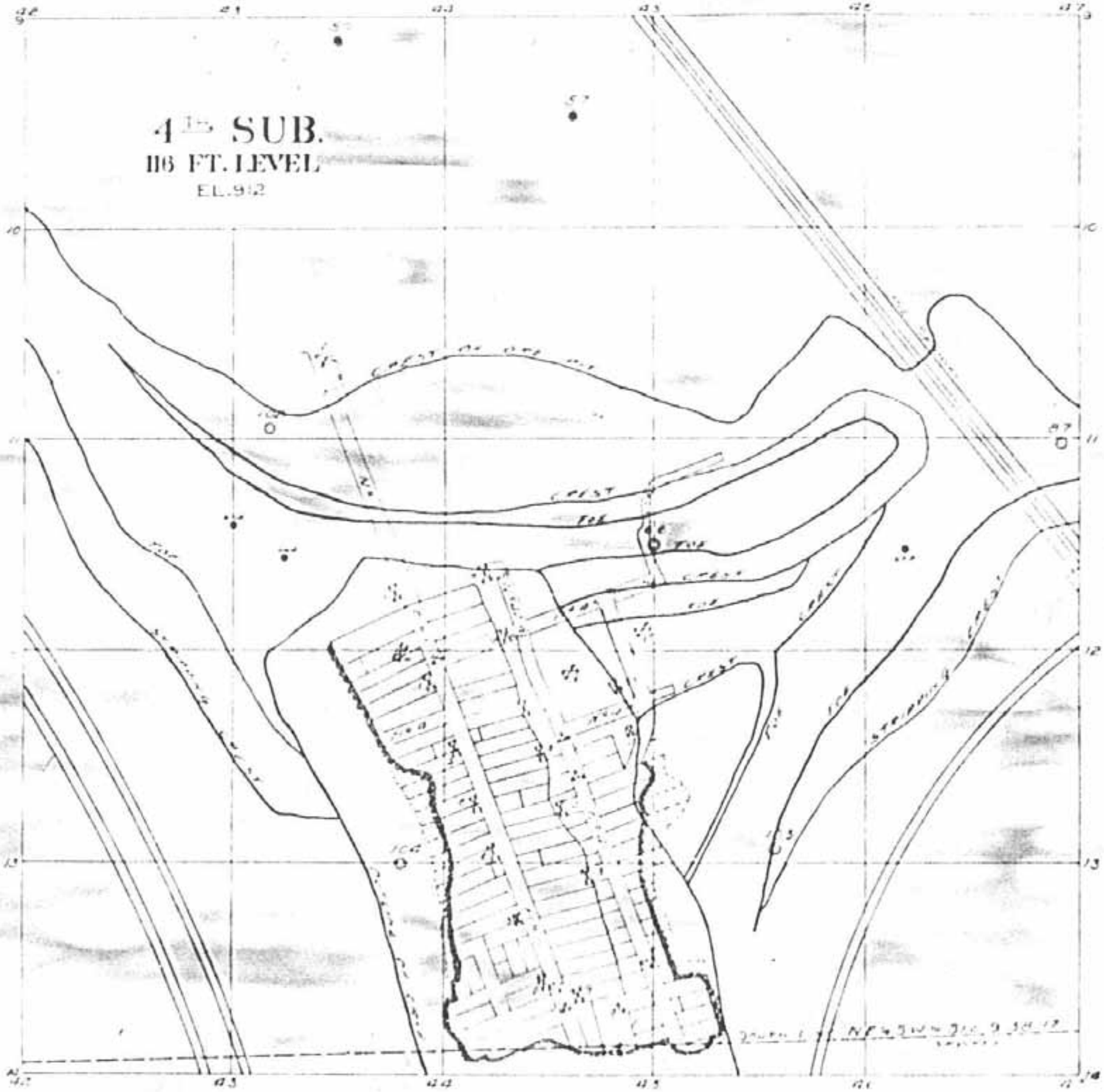


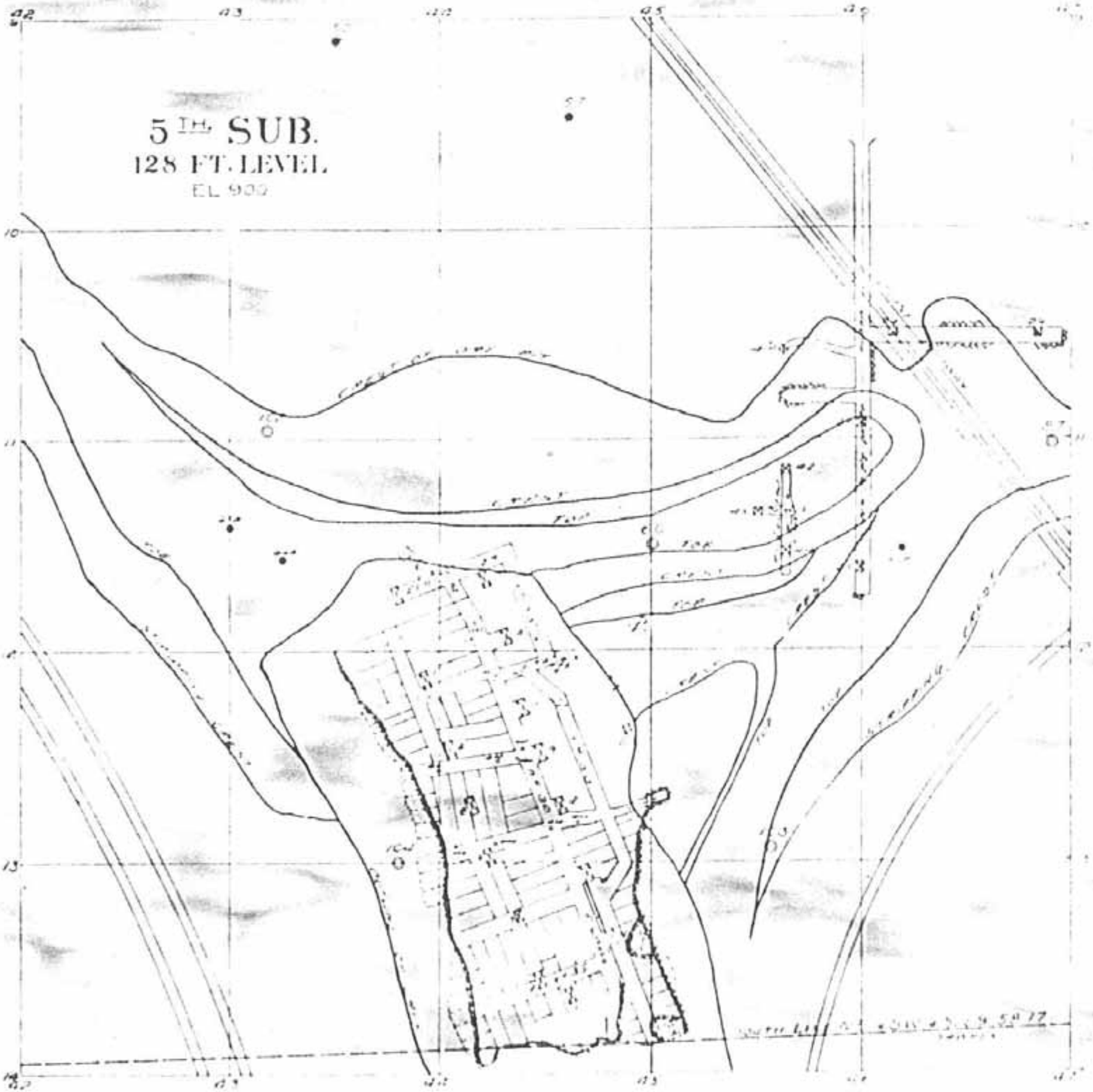

09 1531 1911 1-1-11 Norman Mine A-33

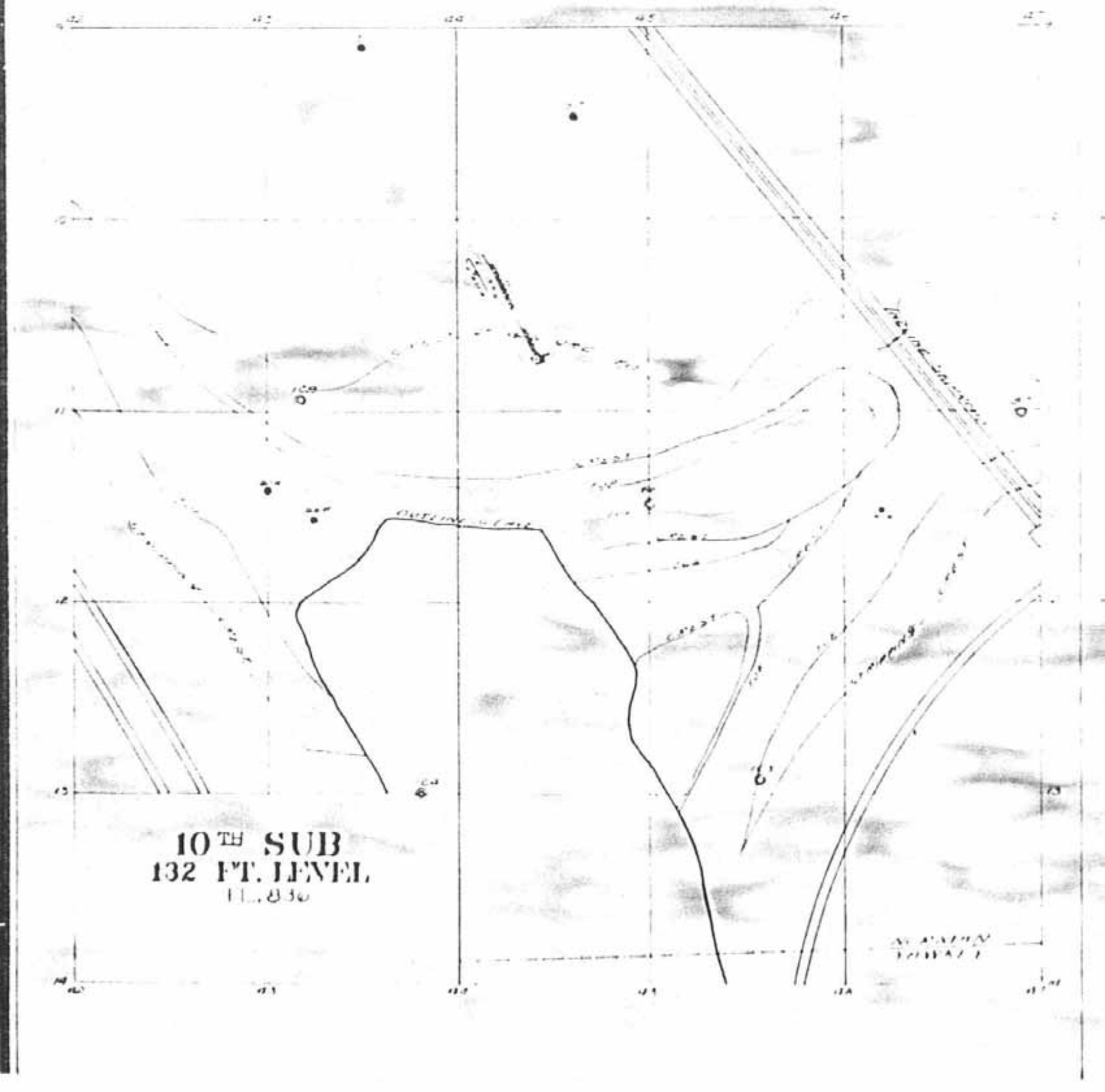

1ST SUB.
82 FT. LEVEL
EL.946
CREST OF OFF PIT
CREST
TOE
TOE
CREST
TOE
CREST
TOE
CREST
TOE
TOE
TOE

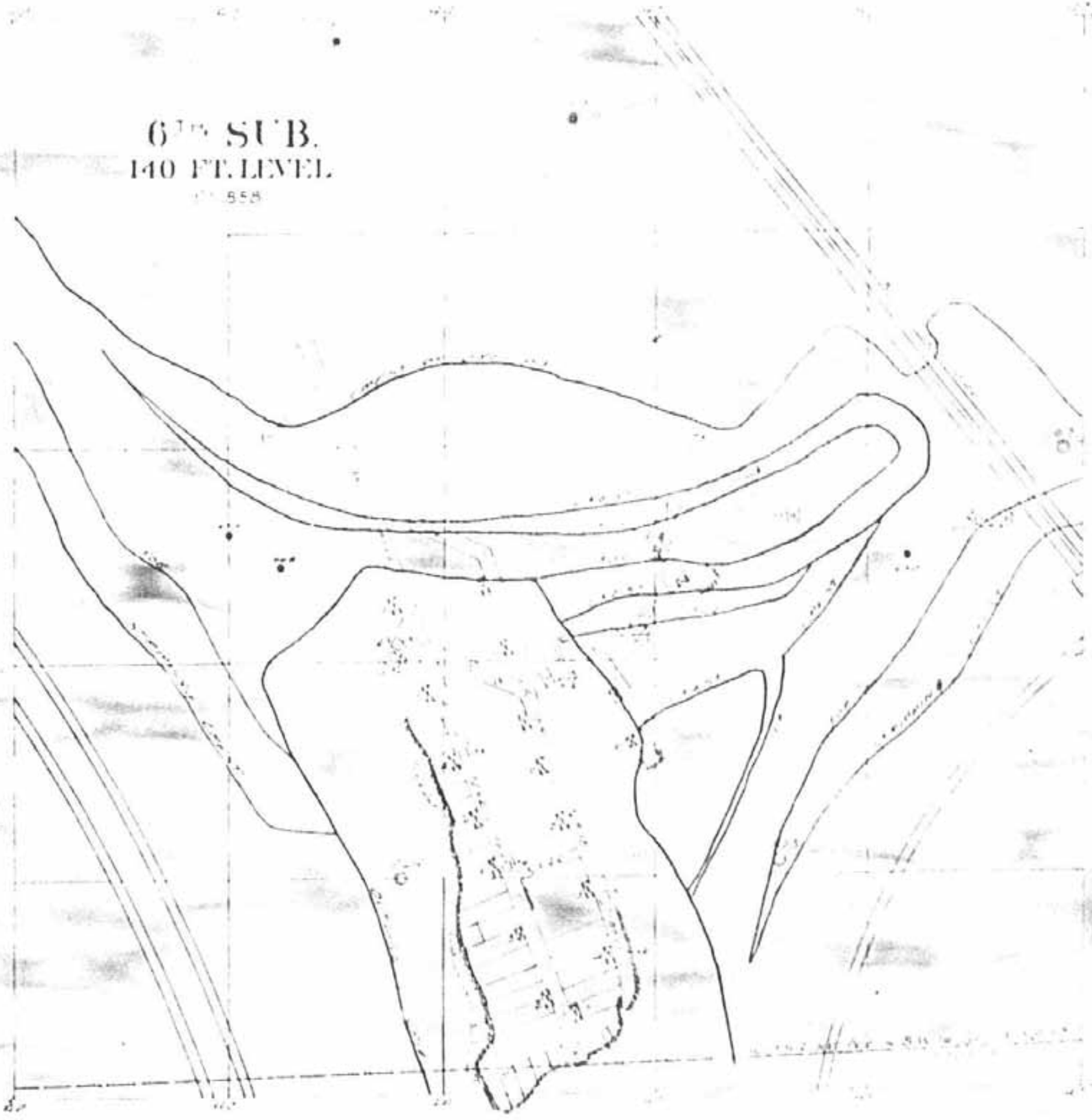

2nd SUB.
94 FT. LEVEL

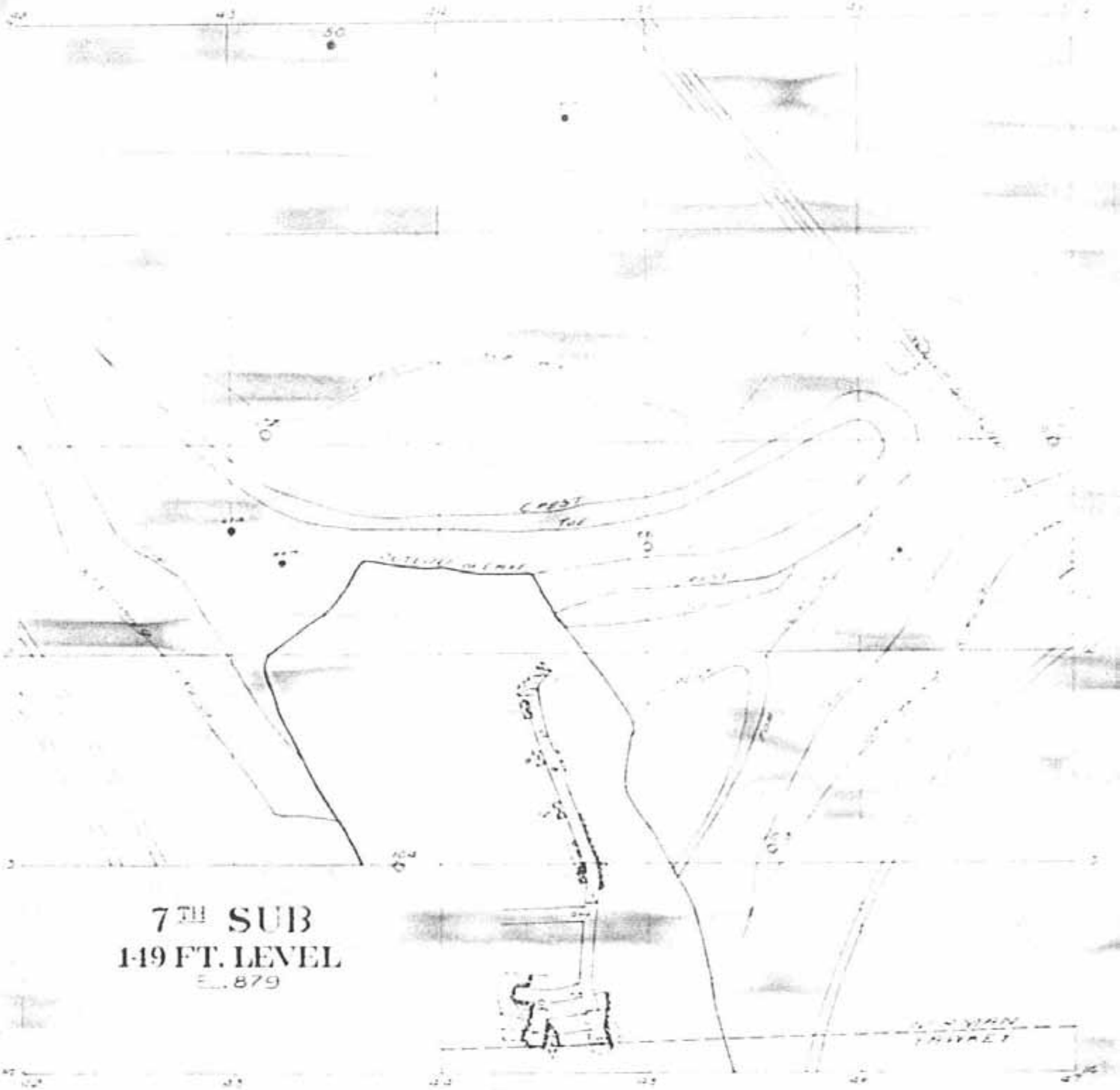
3RD SUB.
105 FT. LEVEL
OLIVER IRON MINING CO
UNDERGROUND MAP OF
NORMAN MINE
No. 3 WORKINGS
VIRGINIA DISTRICT
SCALE

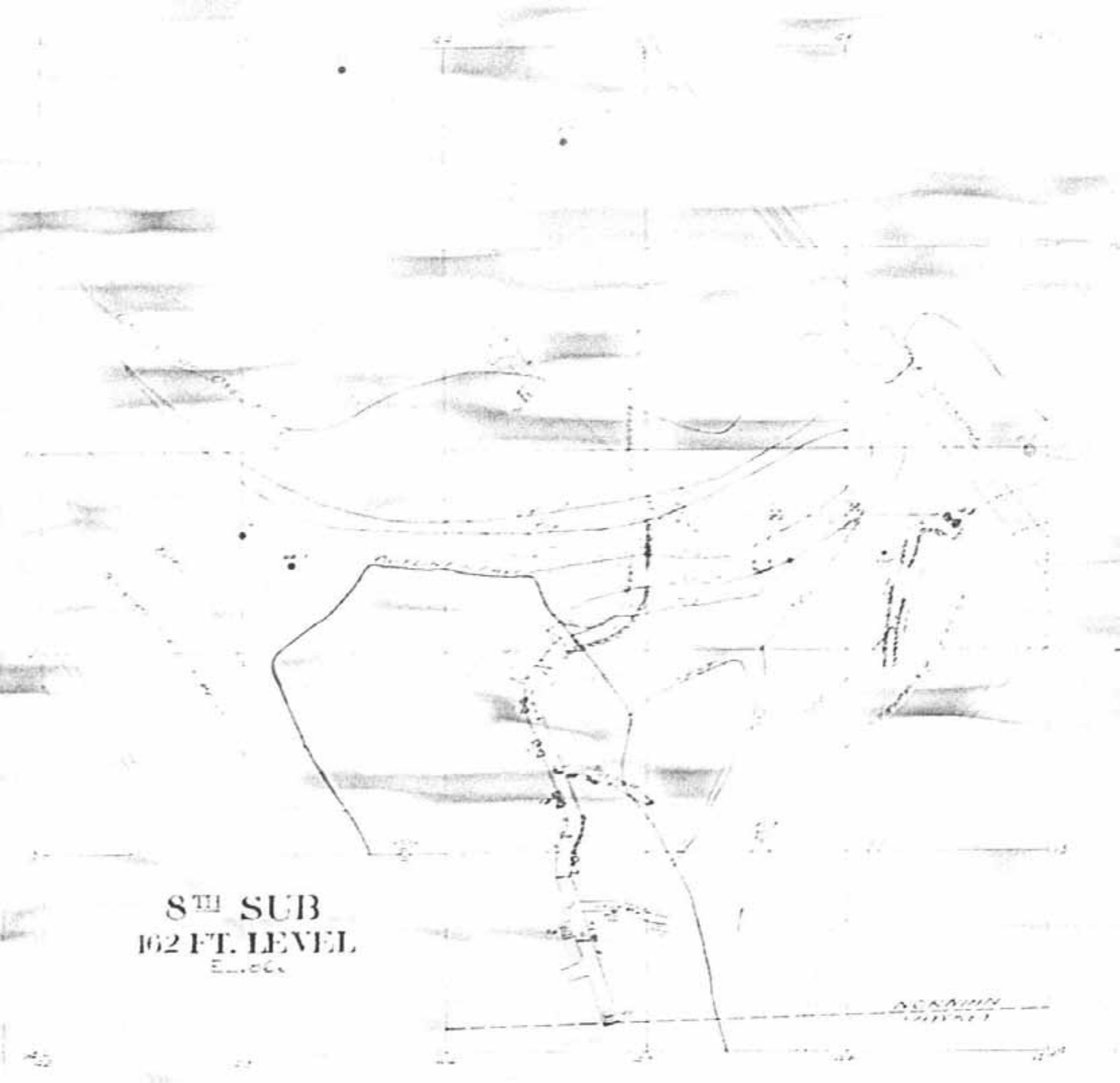

4th SUB.
116 FT. LEVEL
EL. 912

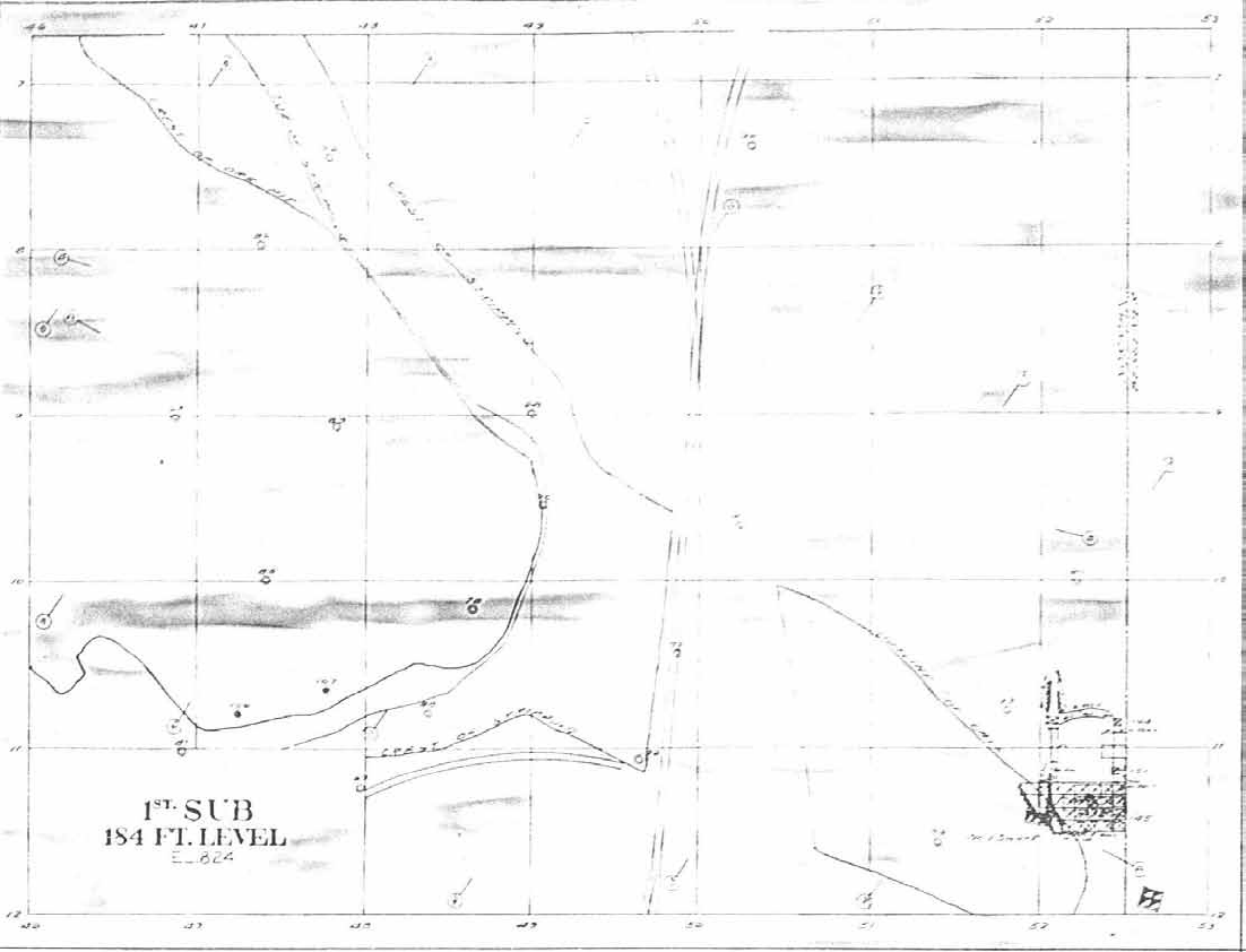

5TH SUB.
128 FT. LEVEL
EL 900

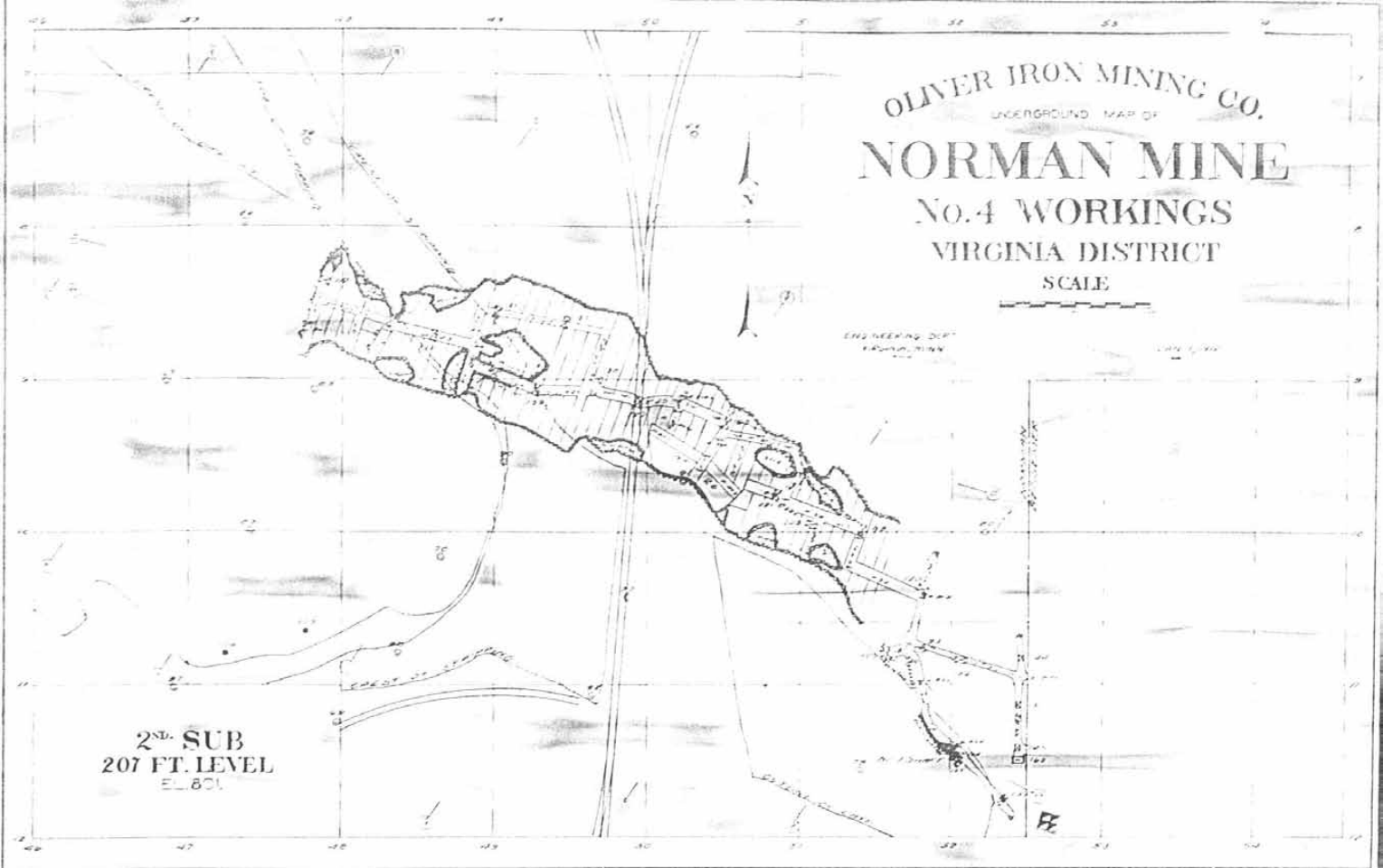

10TH SUB
132 FT. LEVEL
EL. 836

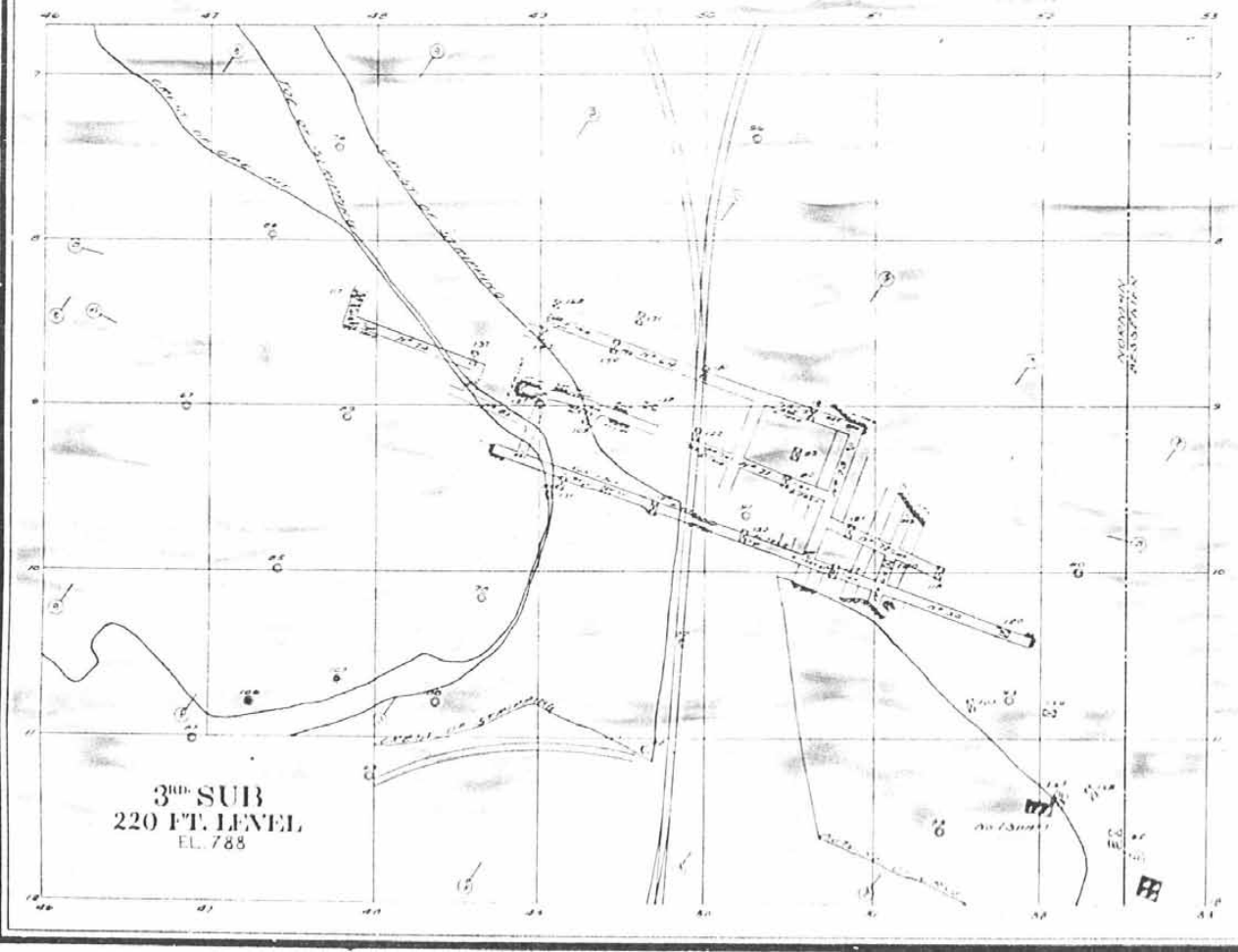

6TH SUB.
140 FT. LEVEL

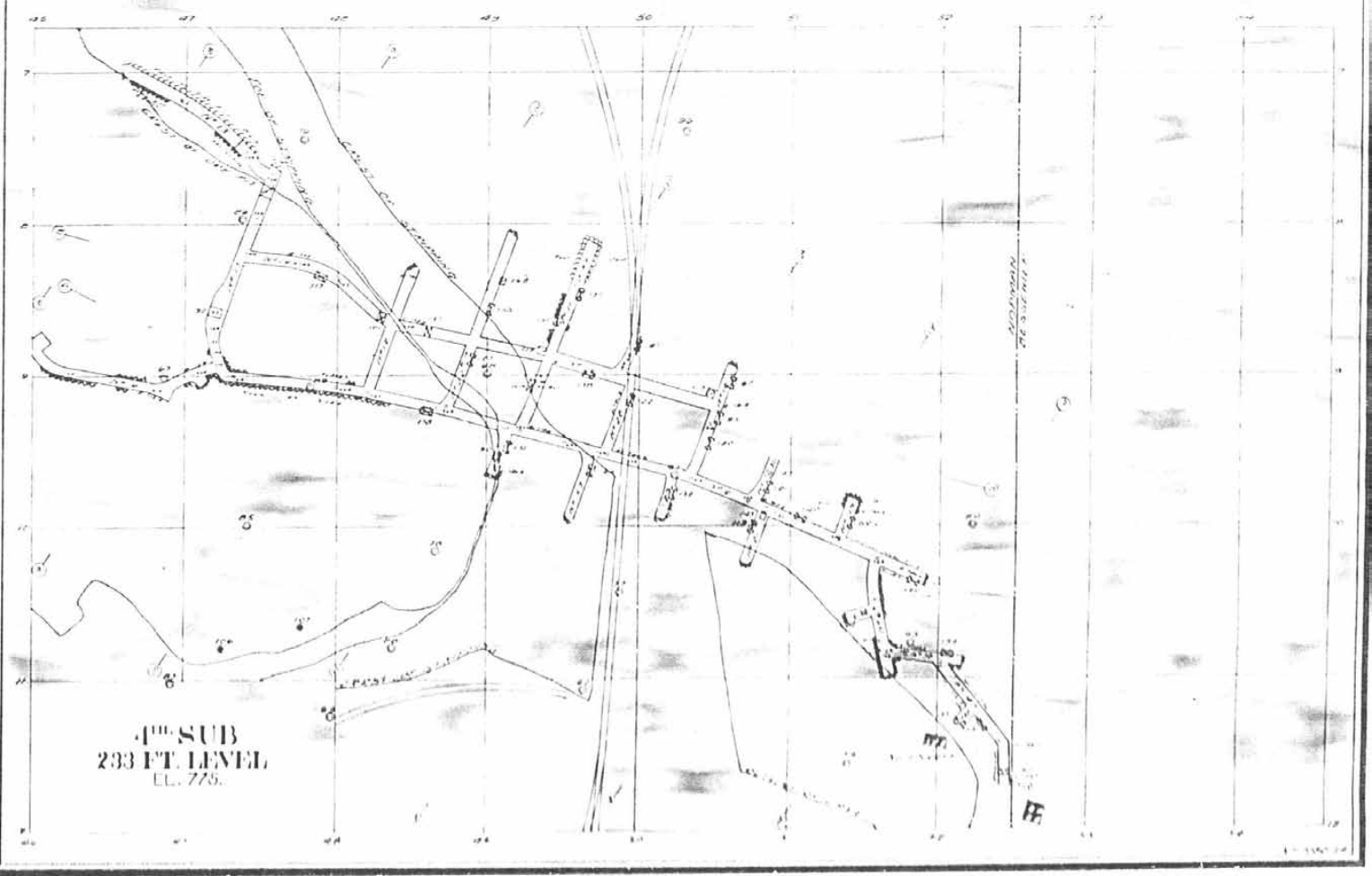

7TH SUB
149 FT. LEVEL
E. 879

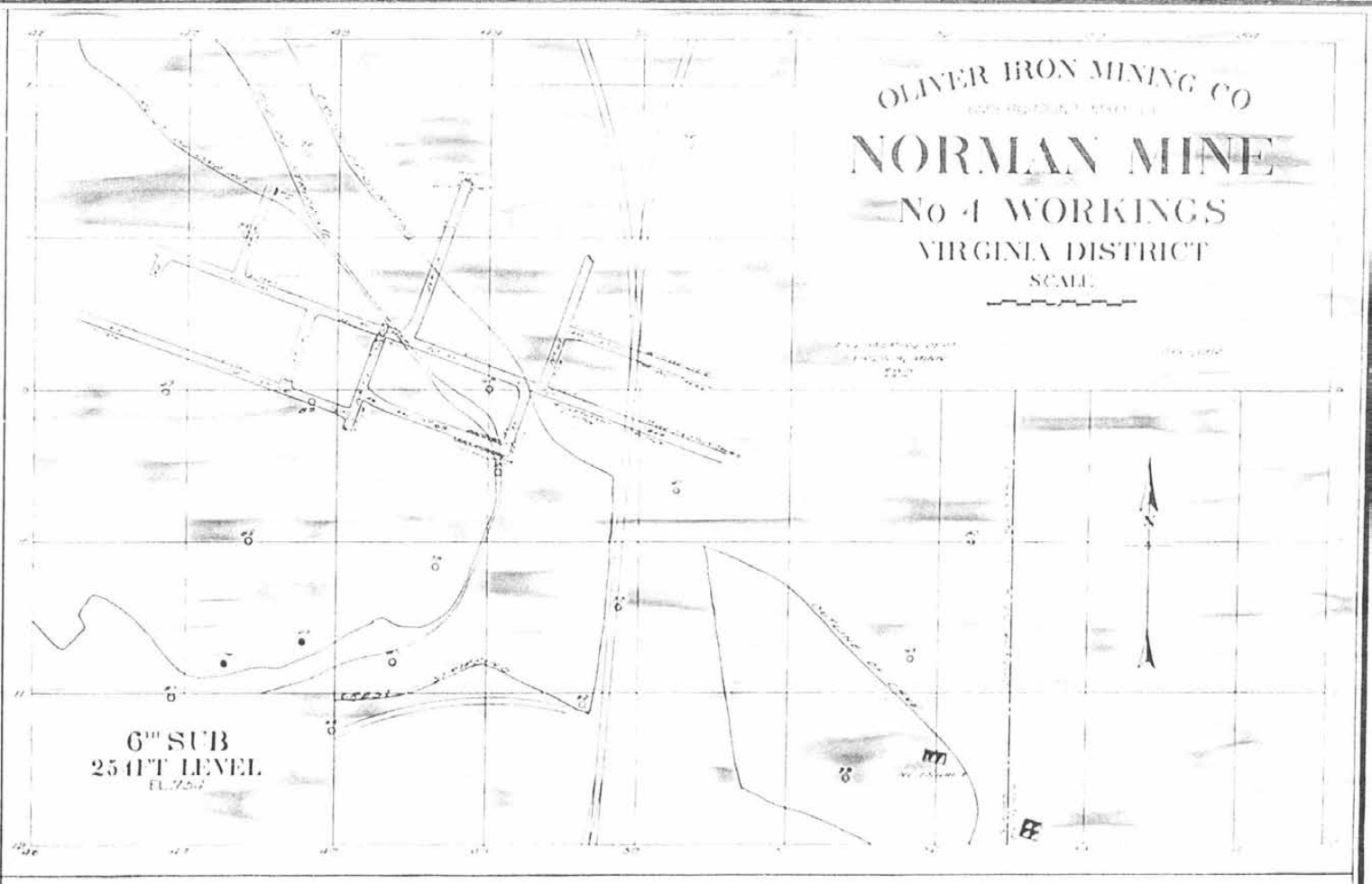

8TH SUB
162 FT. LEVEL

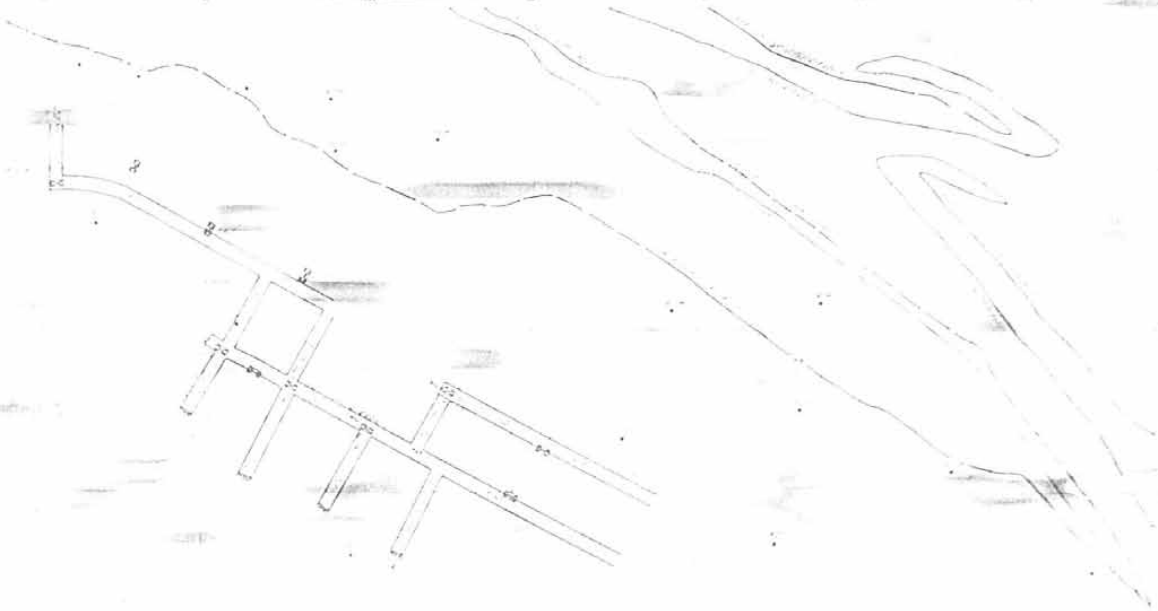

1ST. SUB
184 FT. LEVEL
E-824


OLIVER IRON MINING CO.
UNDERGROUND MAP OF
NORMAN MINE
No. 4 WORKINGS
VIRGINIA DISTRICT
SCALE
2ND. SUB
207 FT. LEVEL
EL. 801

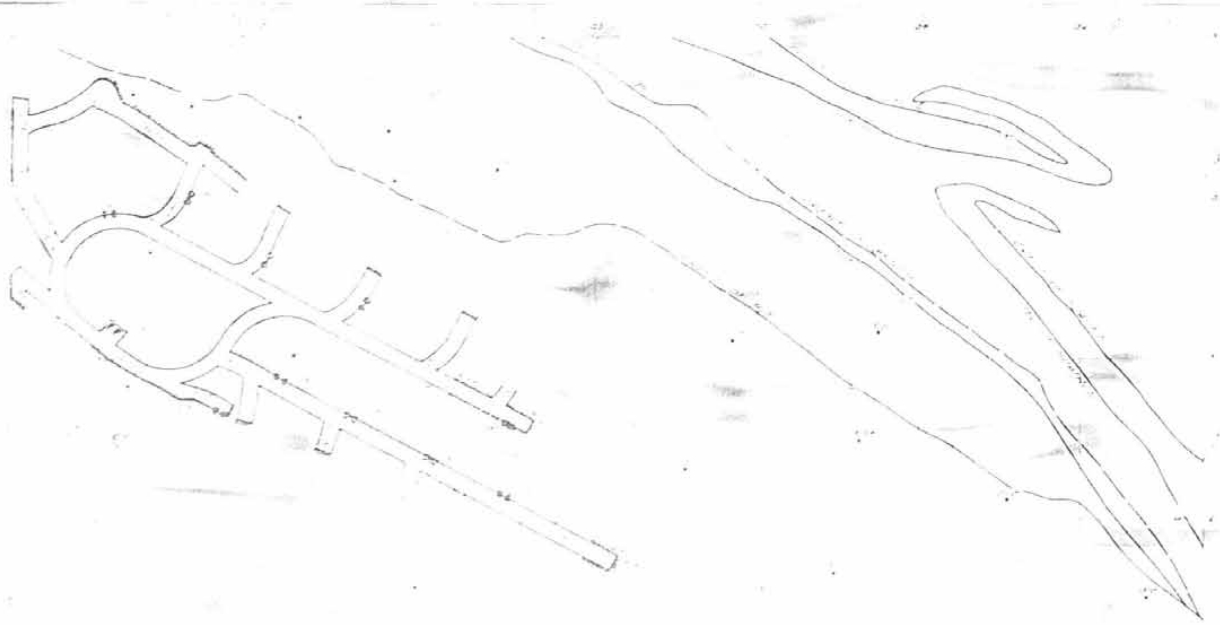

3RD SUB
220 FT. LEVEL
EL. 788


4TH SUB
233 FT. LEVEL
EL. 775.

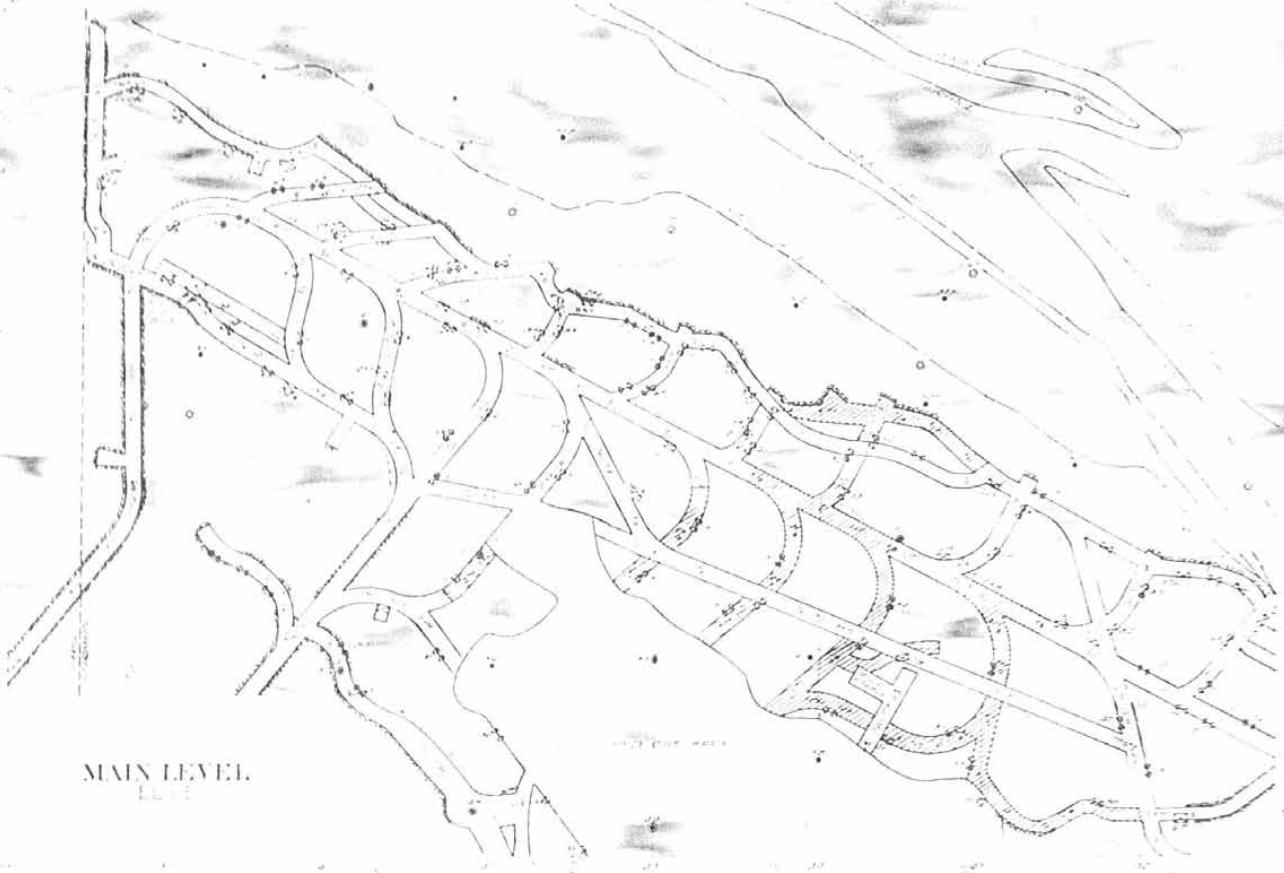

OLIVER IRON MINING CO
NORMAN MINE
No 4 WORKINGS
VIRGINIA DISTRICT
SCALE
6TH SUB
254 FT LEVEL
N

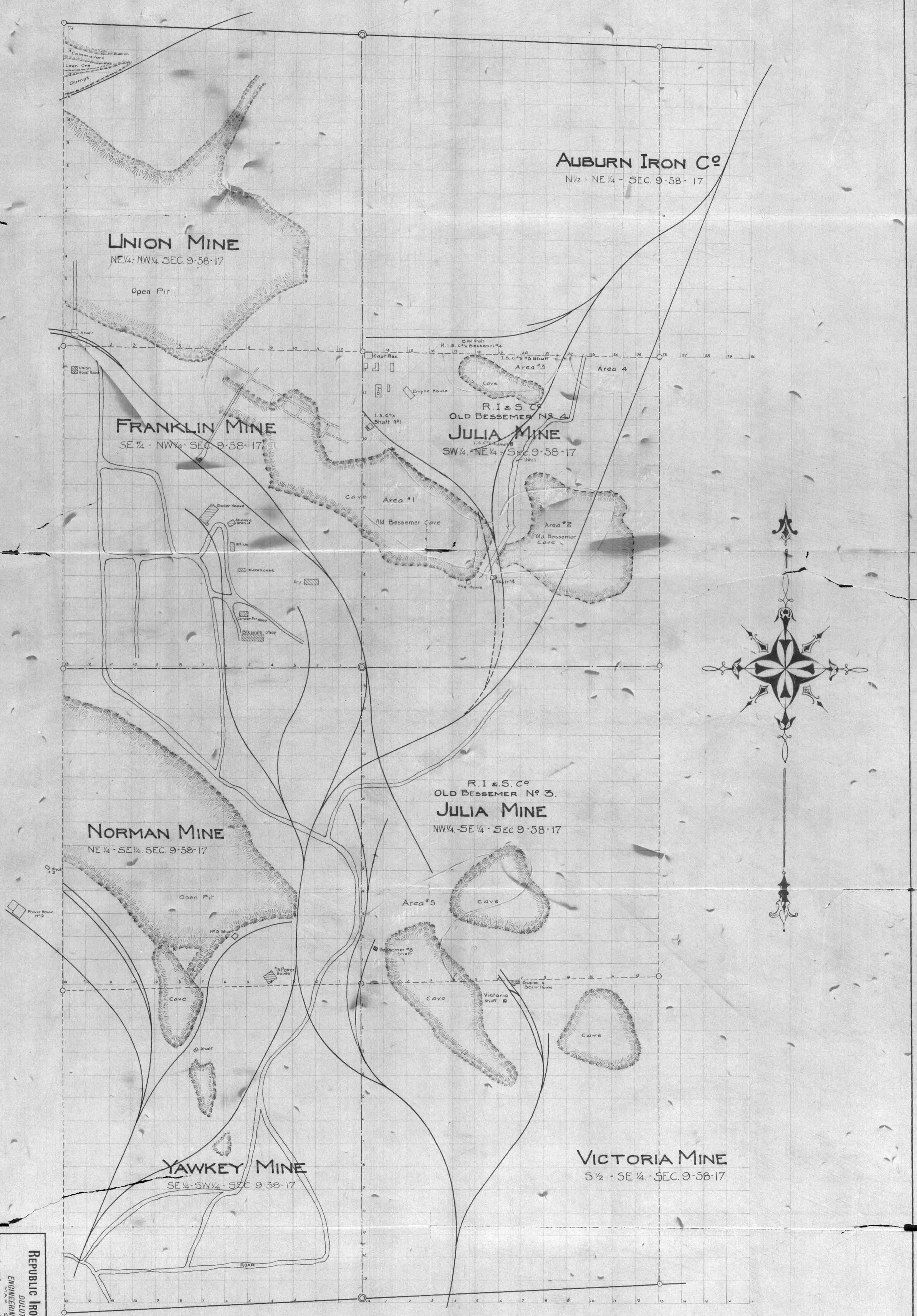


2ND SUB
315 FT LEVEL



4TH SUB
334 FT LEVEL

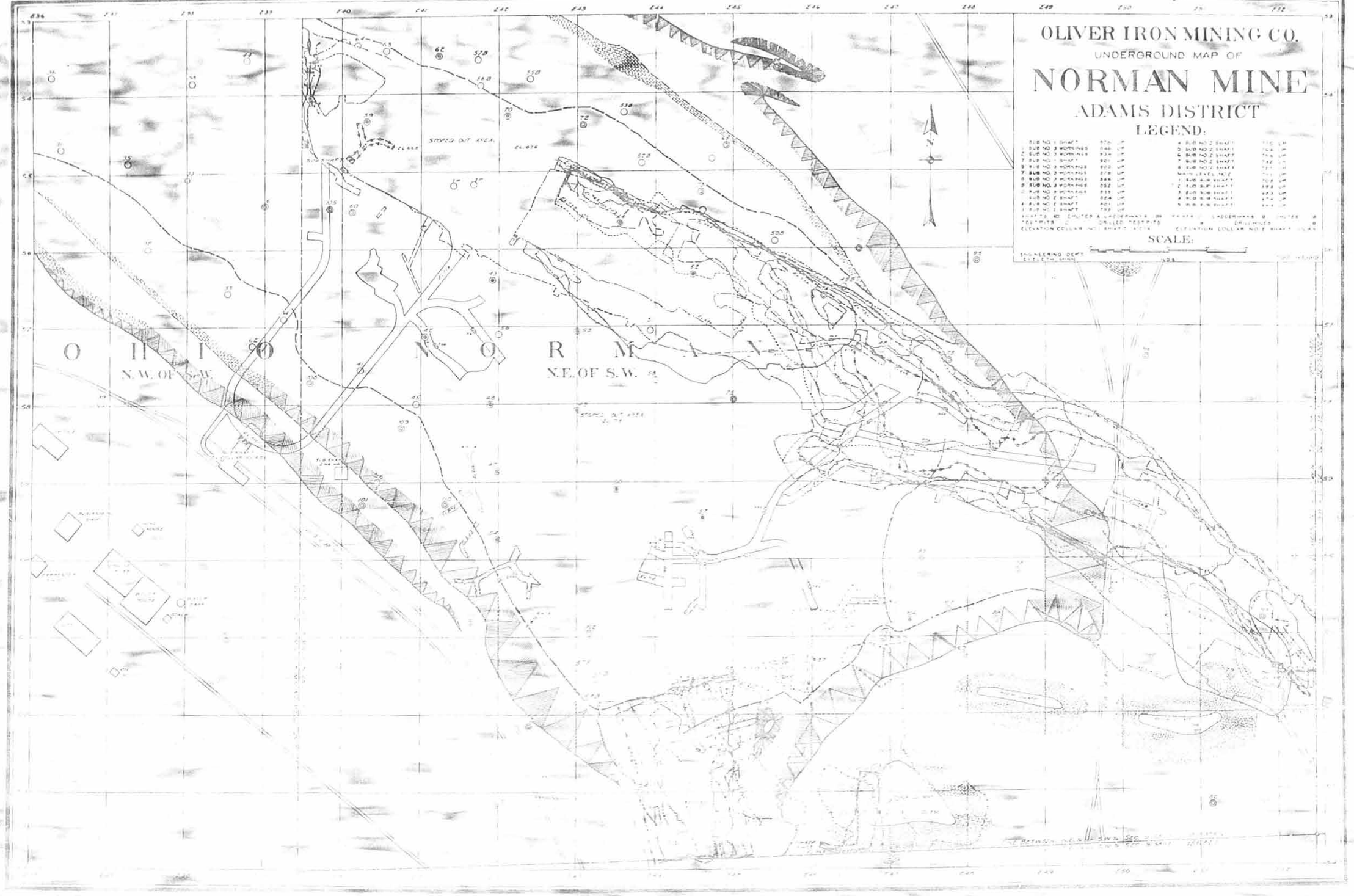

MAIN LEVEL.

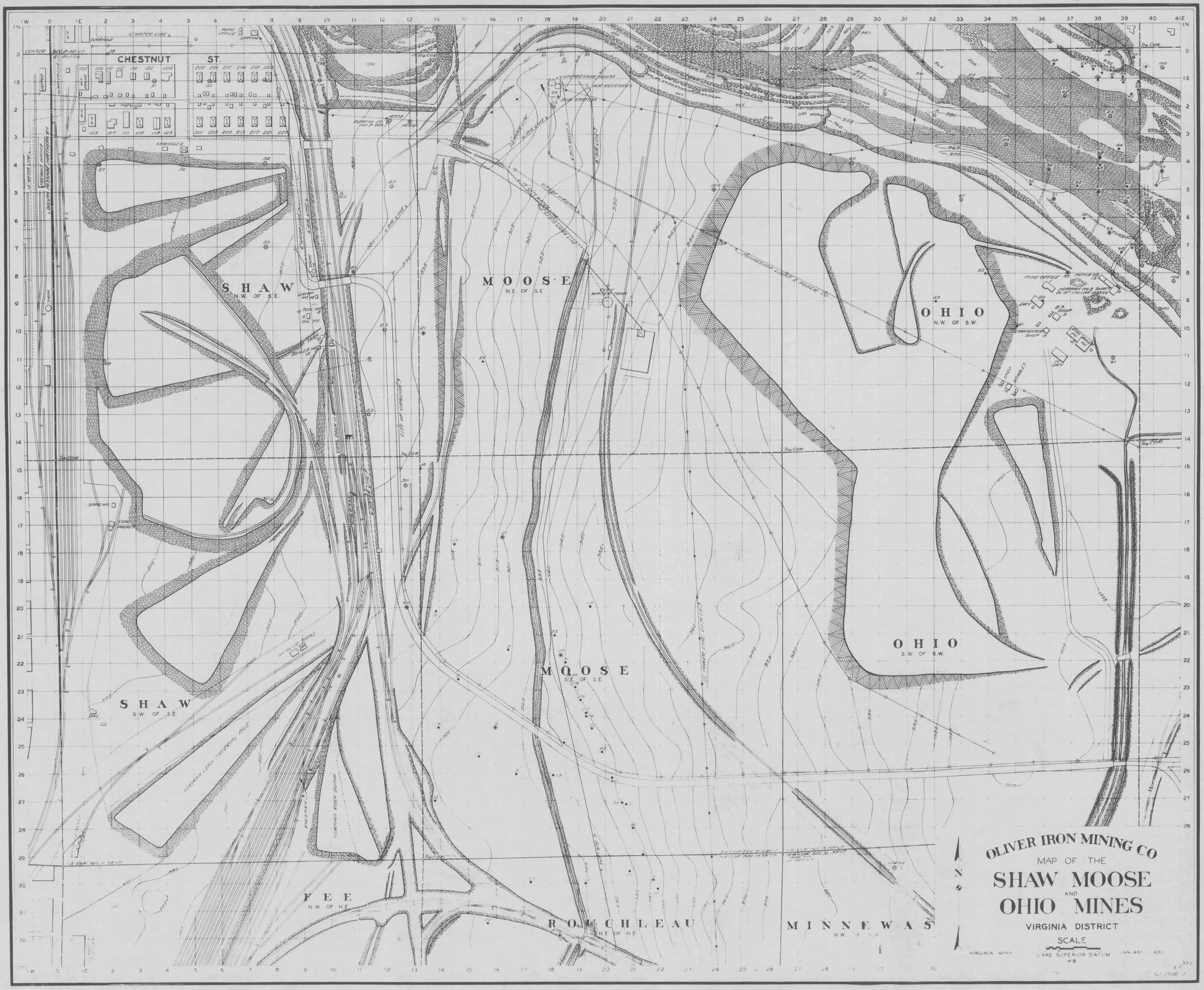



**Republic Iron & Steel Co.**
Duluth, Minn.
Engineering Department
Map Showing
R.I.S. Co's & Julia Mines
Near
Virginia, Minnesota.
Scale 200 = 1"
Date Feb 12th 1919 App.
Traced by W.T.
Printed FEB 26 1918

C. 1. 19.

09 1531 1919 3-1-19 Norman Mine Underground Map A-40




OLIVER IRON MINING CO
MAP OF THE
SHAW MOOSE
AND
OHIO MINES
VIRGINIA DISTRICT
SCALE
LAKE SUPERIOR DATUM
CHESTNUT ST.
SHAW
N.W. OF S.E.
SHAW
S.W. OF S.E.
MOOSE
N.E. OF S.E.
MOOSE
S.E. OF S.E.
OHIO
N.W. OF S.W.
OHIO
S.W. OF S.W.
FEE
N.W. OF N.E.
ROUCHLEAU
N.E. OF N.E.
MINNEWAS
N.W.
COMPRESSOR HOUSE
AIR RECEIVERS
MINE OFFICE
GARAGE
GREENHOUSES
CITY OF VIRGINIA
MINNESOTA LIGHT & POWER CO
CITY WATER TANK
NORMAN ROCK DUMP
NORMAN LEAN MATERIAL PILE
CONC. DOCK
SAND HO.
BOILER HO.
TOOL HO.
OIL HO.
CARPENTER SHOP
SHOP
STABLES
DRY
FIRE HO.
POWER HO.
NORMAN NO. 2 SHAFT
EL. 1/4 COLLAR 1008.24
MOTOR HO.
DWL.
PARK
1/16 COR.