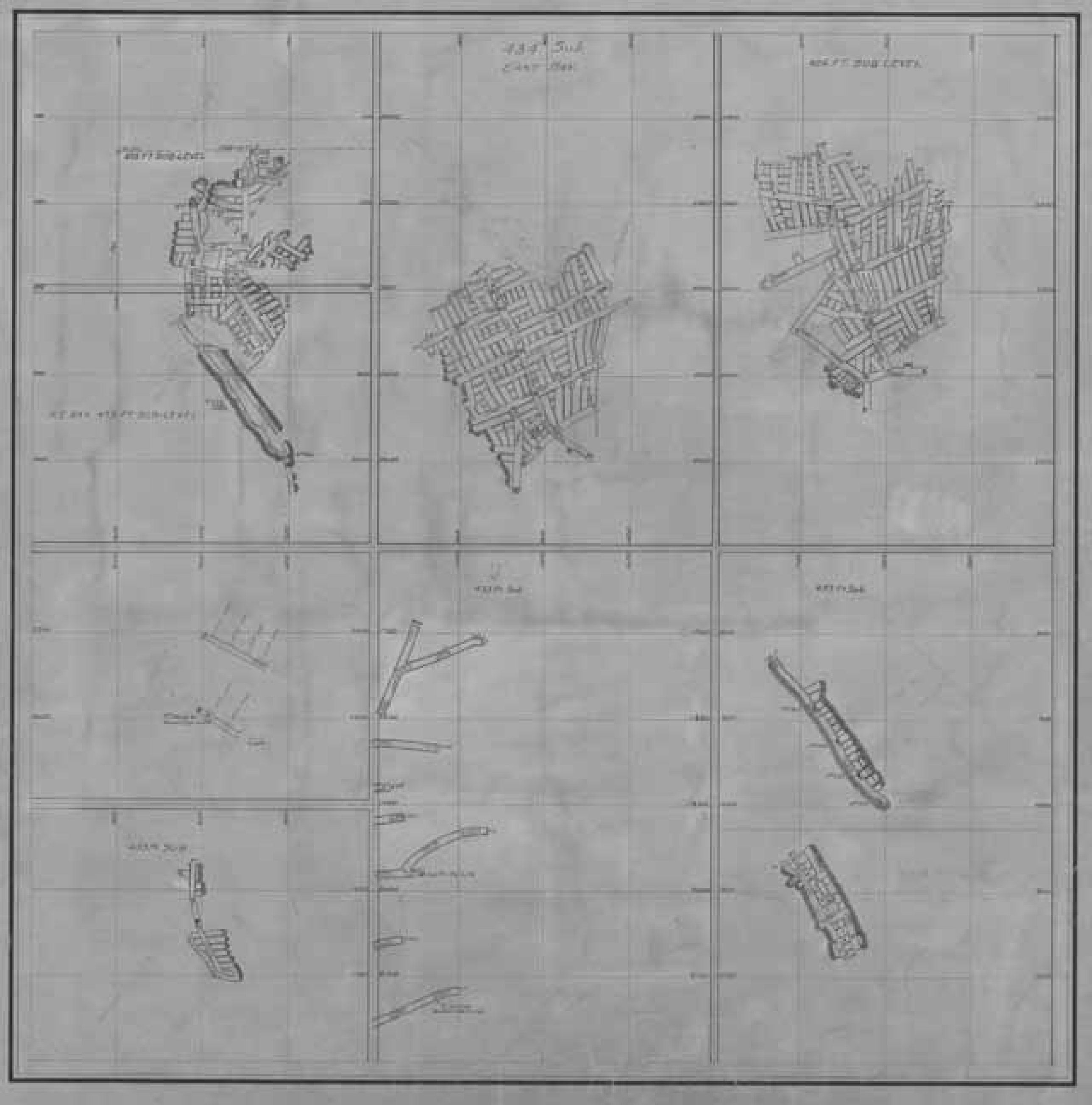
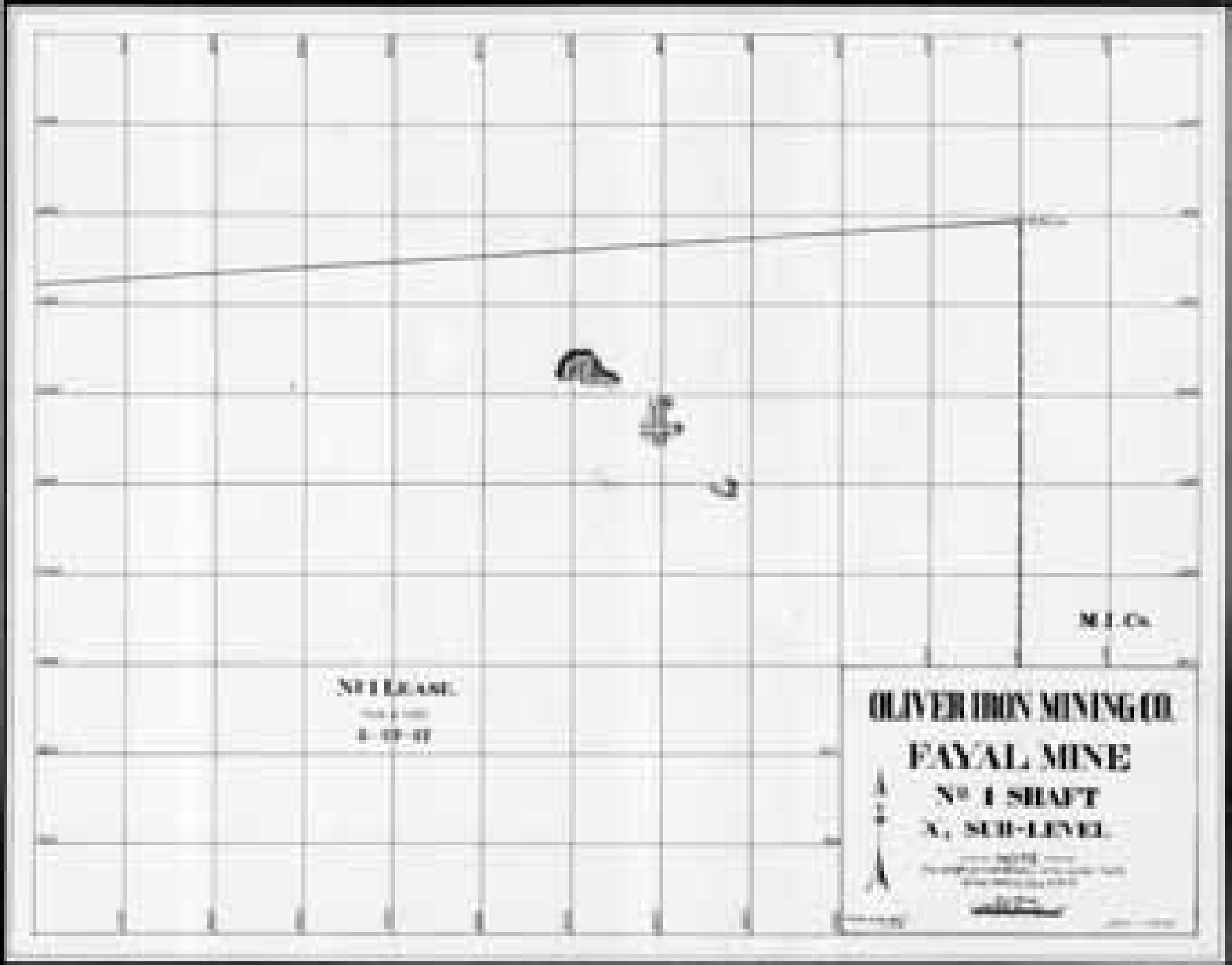
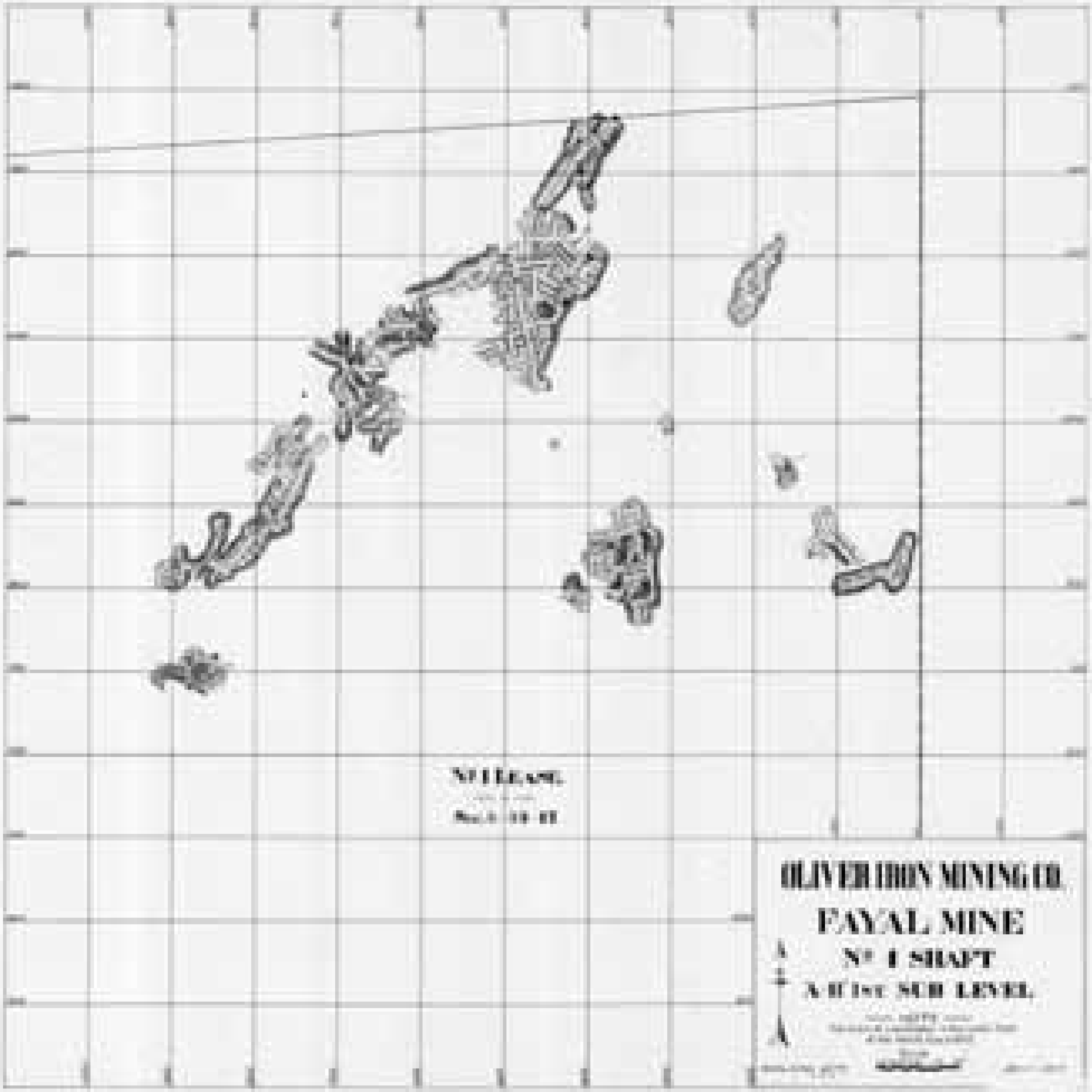
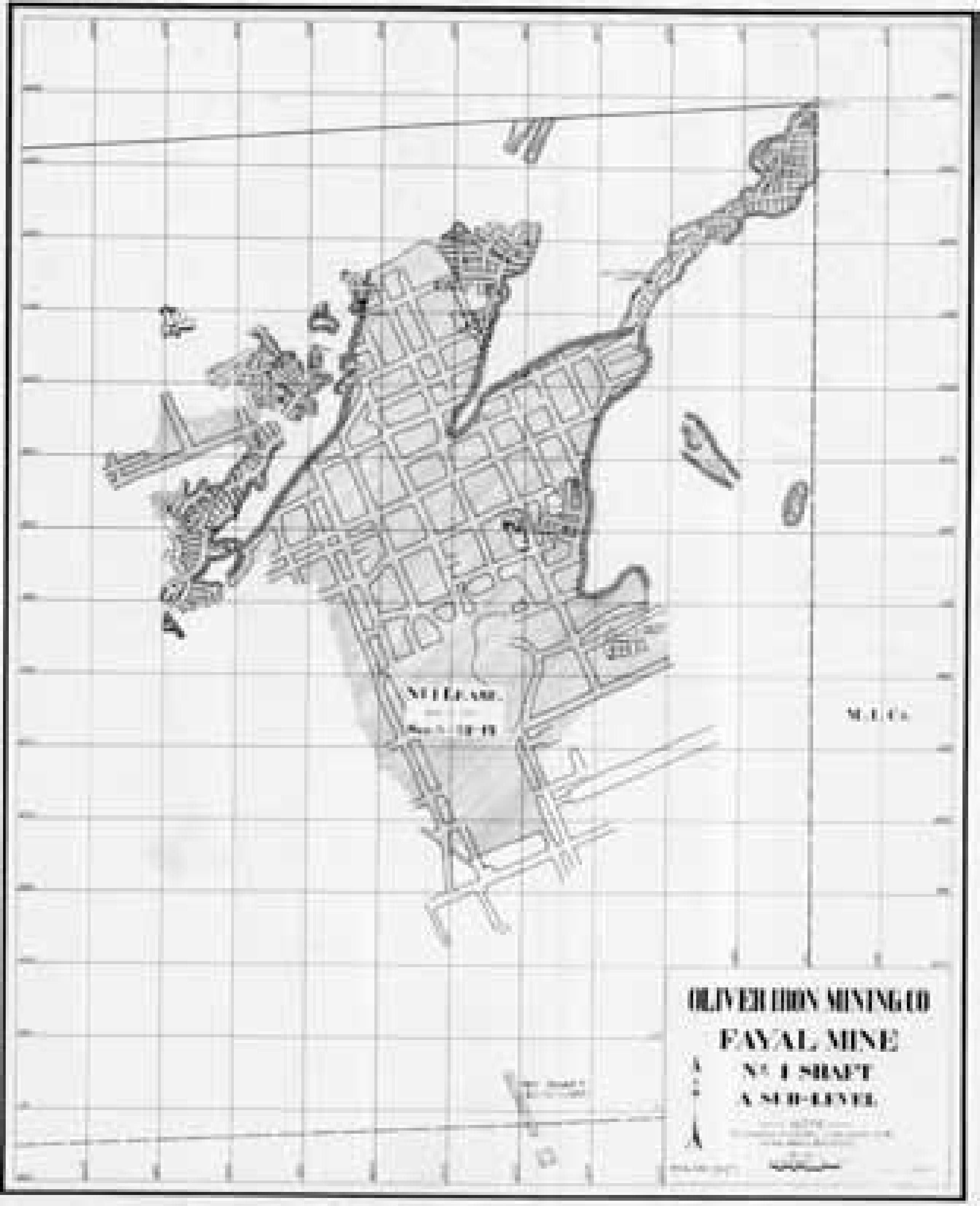
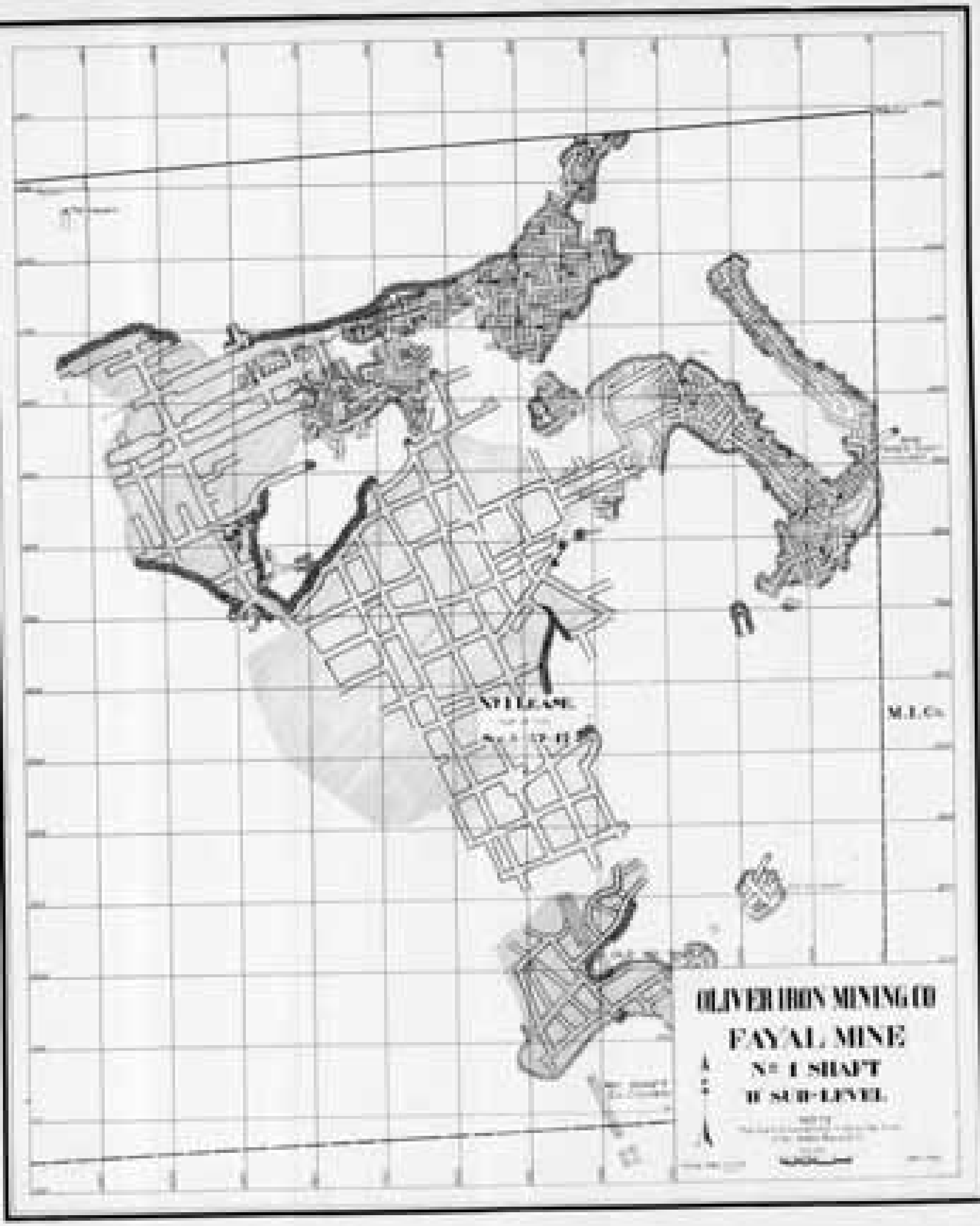


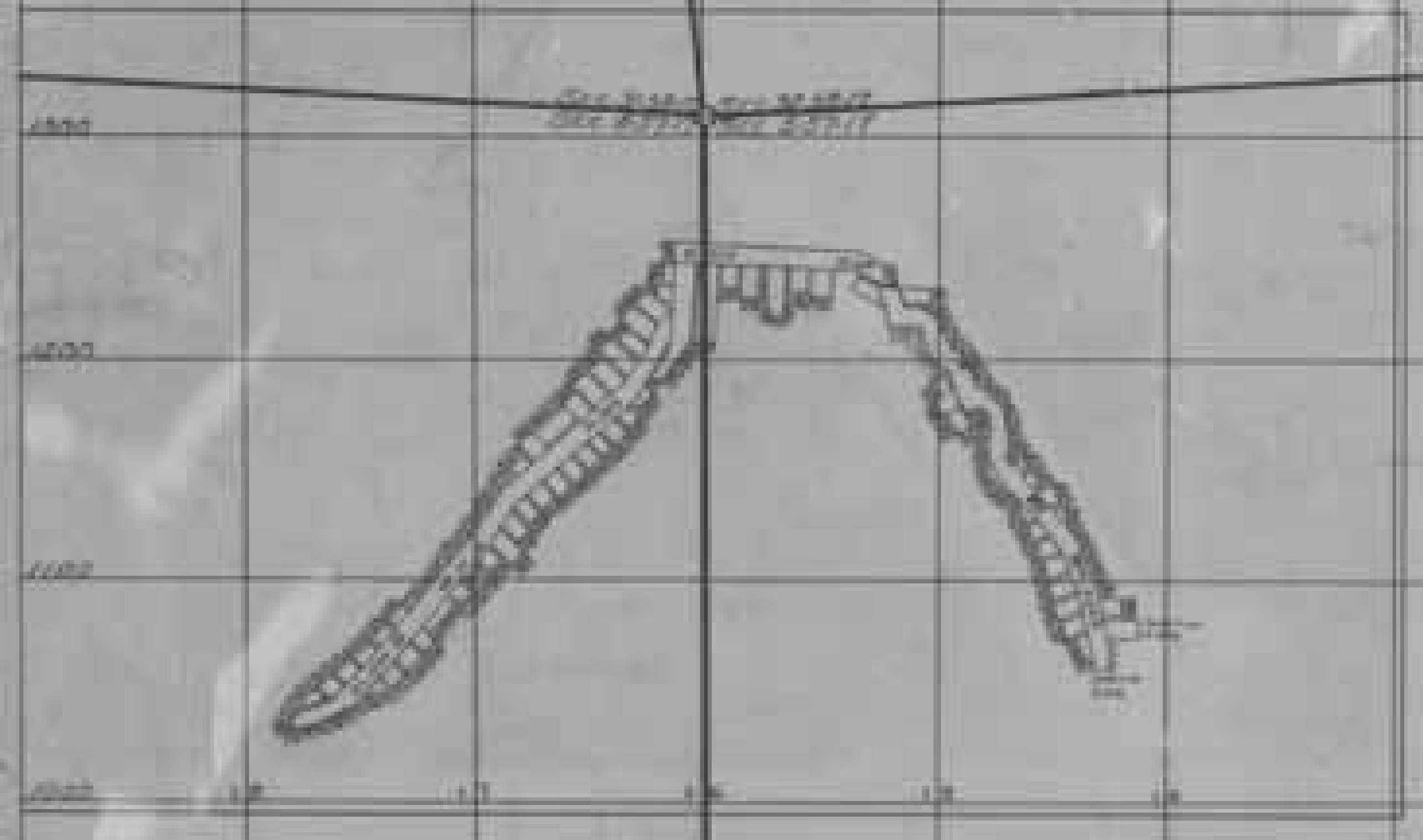

M.I.Co.
OLIVER IRON MINING CO.
FAYAL MINE
No 1 SHAFT
A, SUB-LEVEL

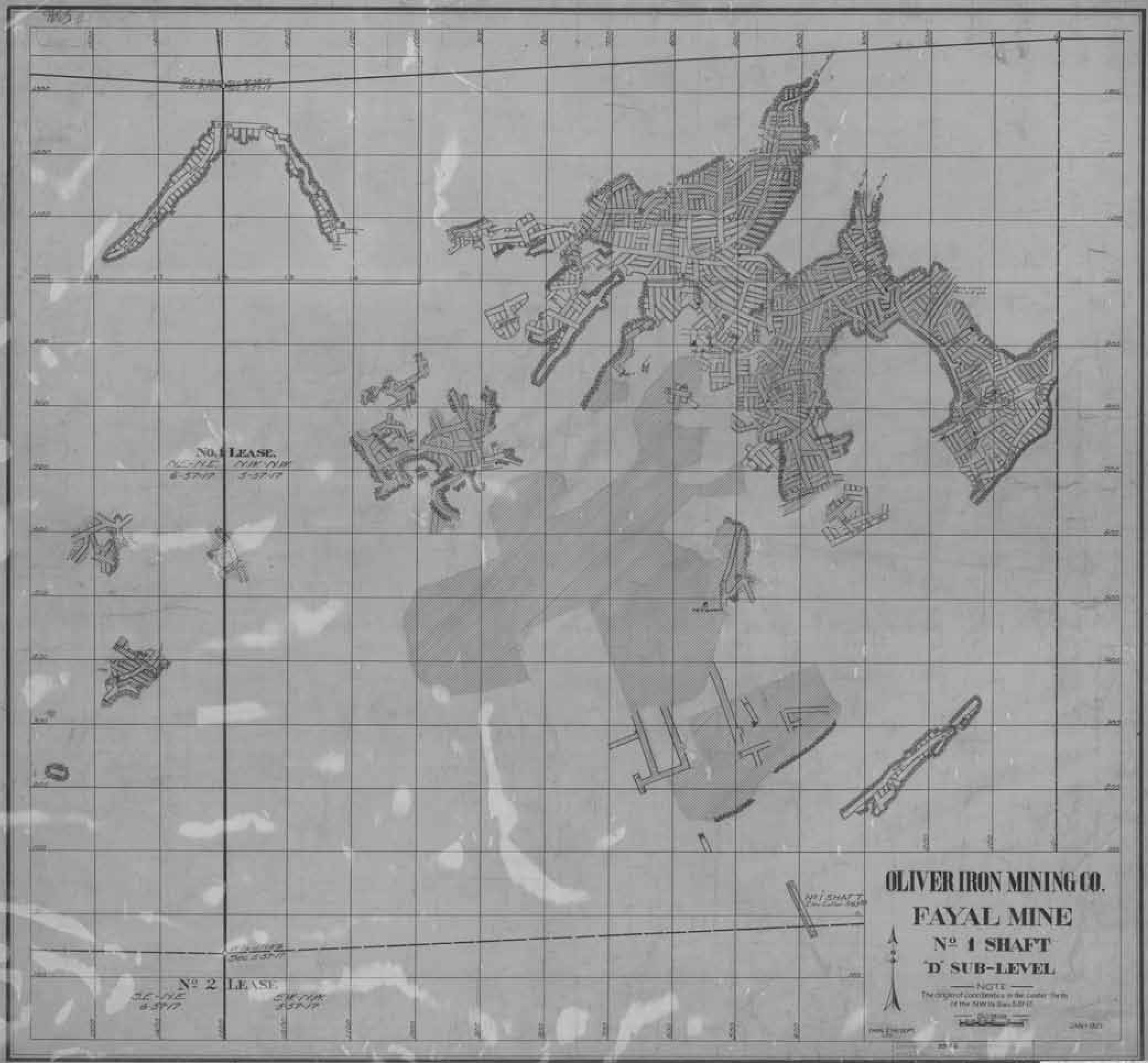

N° 1 LEASE.
OLIVER IRON MINING CO.
FAYAL MINE
N° 1 SHAFT
A-H 1st SUB LEVEL.

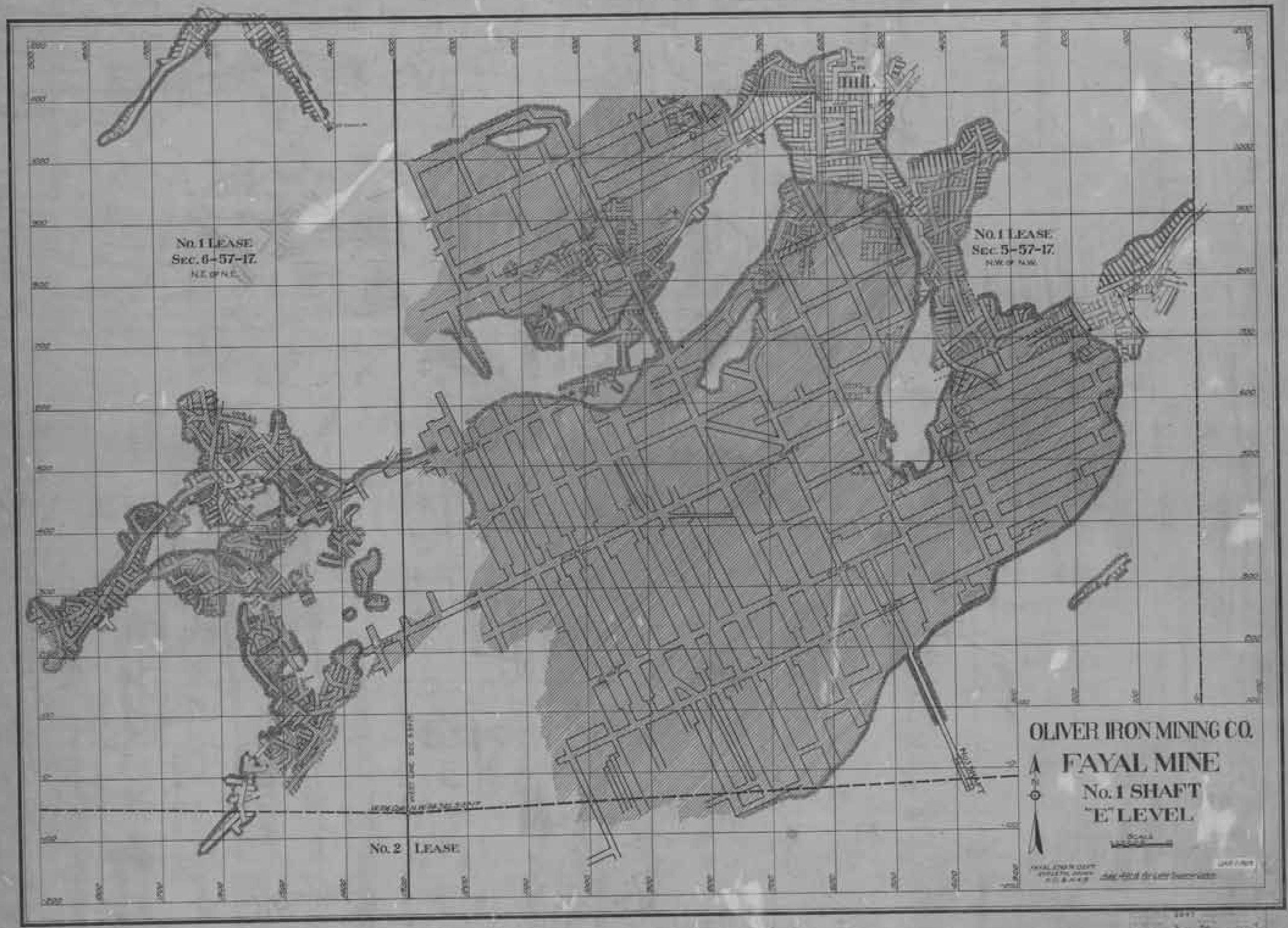

OLIVEIRA MINING CO
FAYAL MINE
No. 1 SHAFT
A SUB-LEVEL
NETEAM.
M.E.C.S.

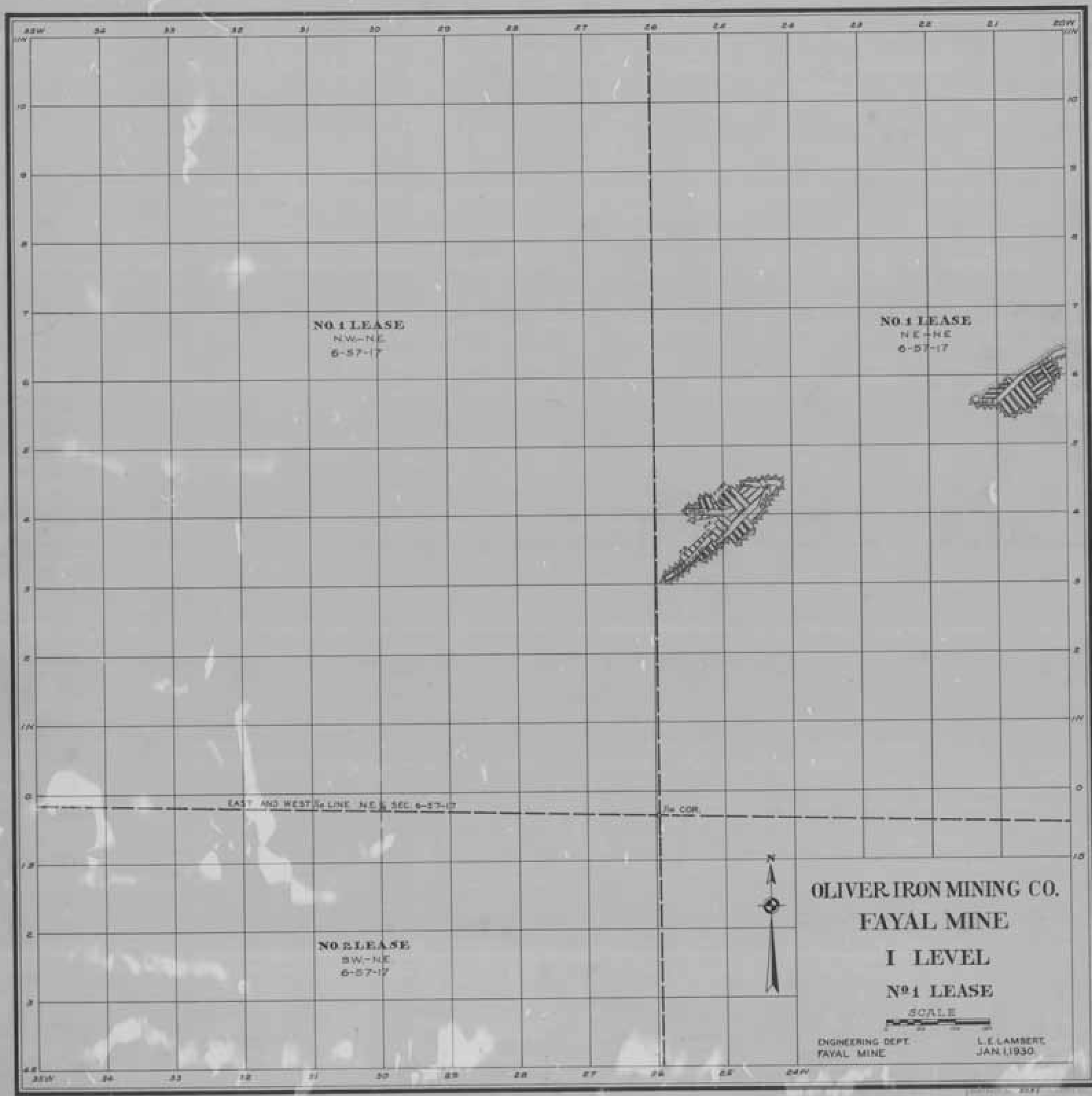

VILLAGE
M.E.Co.
OLIVER IRON MINING CO
FAYAL MINE
N° 1 SHAFT
II SUB-LEVEL

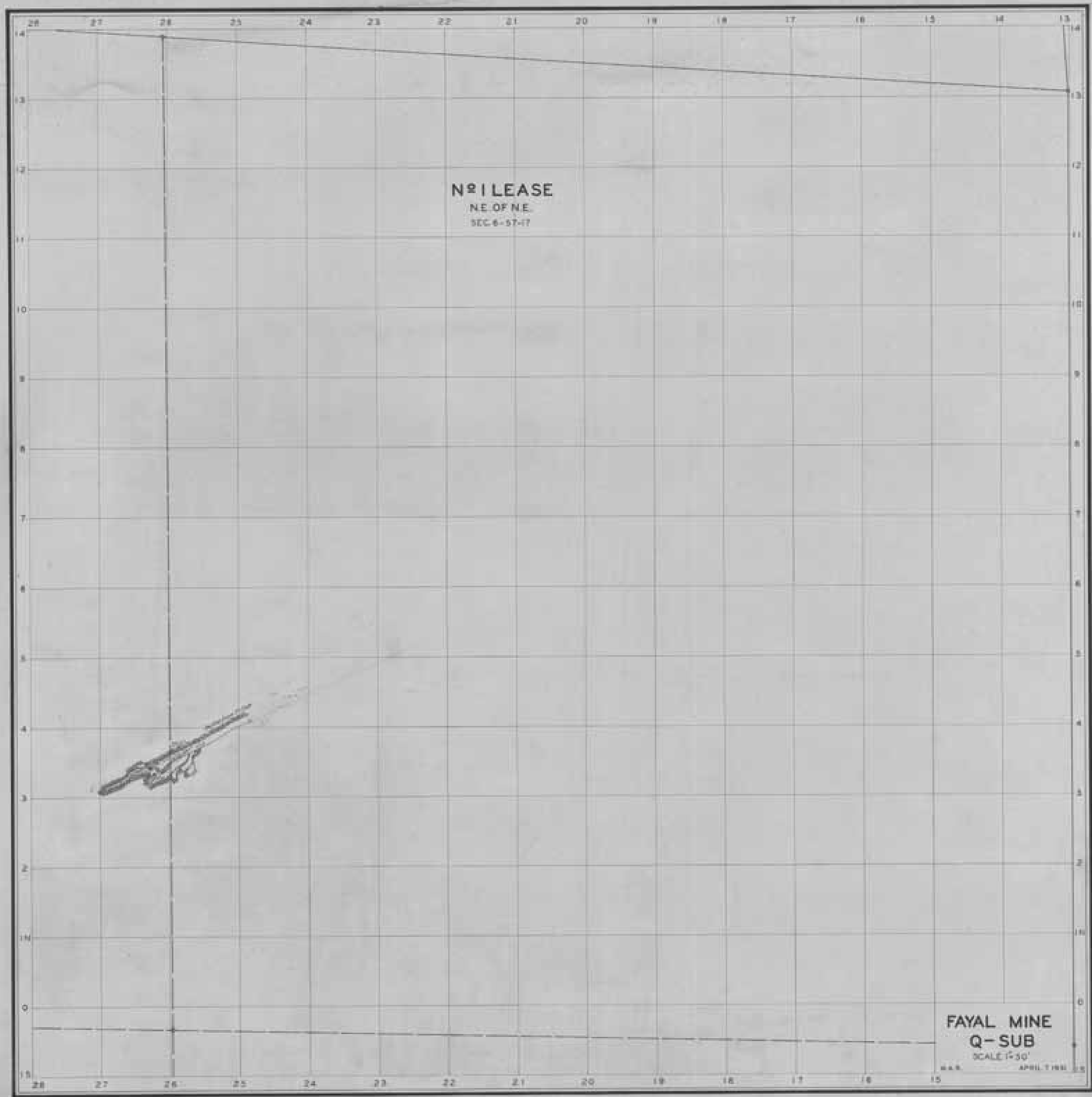
No. 1 LEASE.
M. I. Co.
N.E.-N.E. 6-57-17
N.W.-N.W. 5-57-17
S.E.-N.E. 6-57-17
S.W.-N.W. 5-57-17
OLIVER IRON MINING CO.
FAYAL MINE
Nº 1 SHAFT
"C" SUB-LEVEL
NOTE
Jan. 1 1927

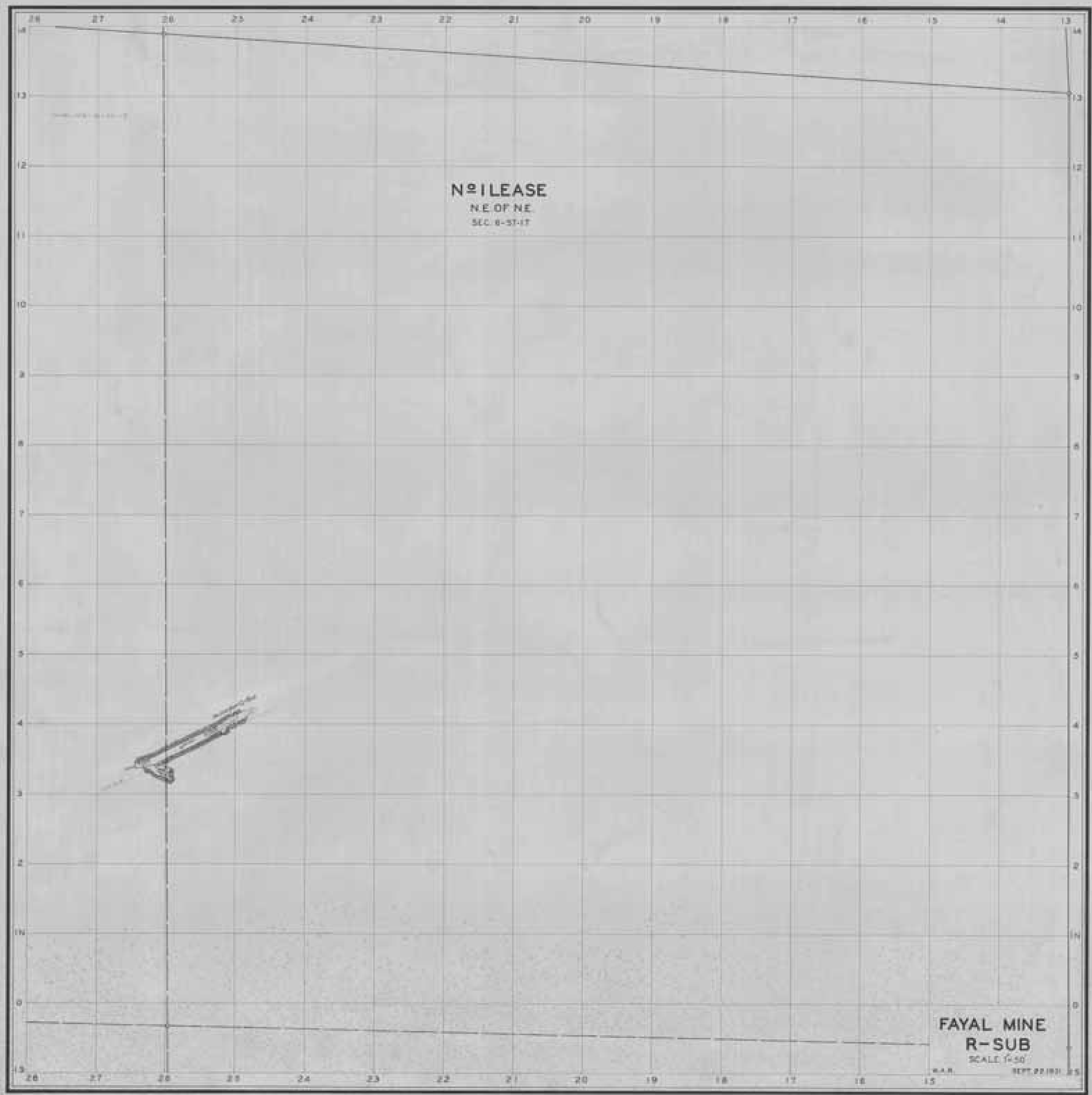


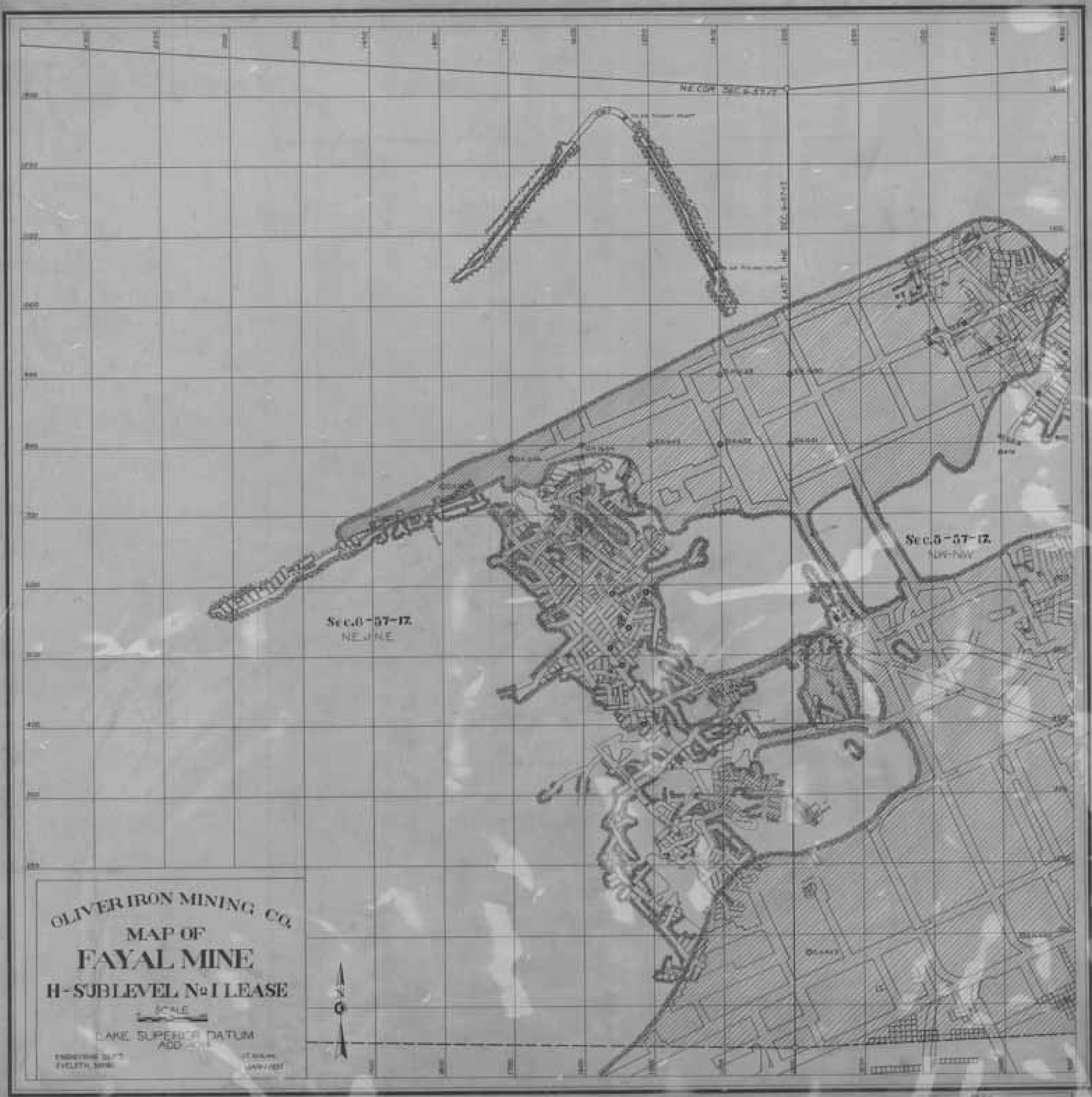

No. 1 LEASE.
No. 2 LEASE.
OLIVER IRON MINING CO.
FAYAL MINE
Nº 4 SHAFT
'D' SUB-LEVEL
NOTE

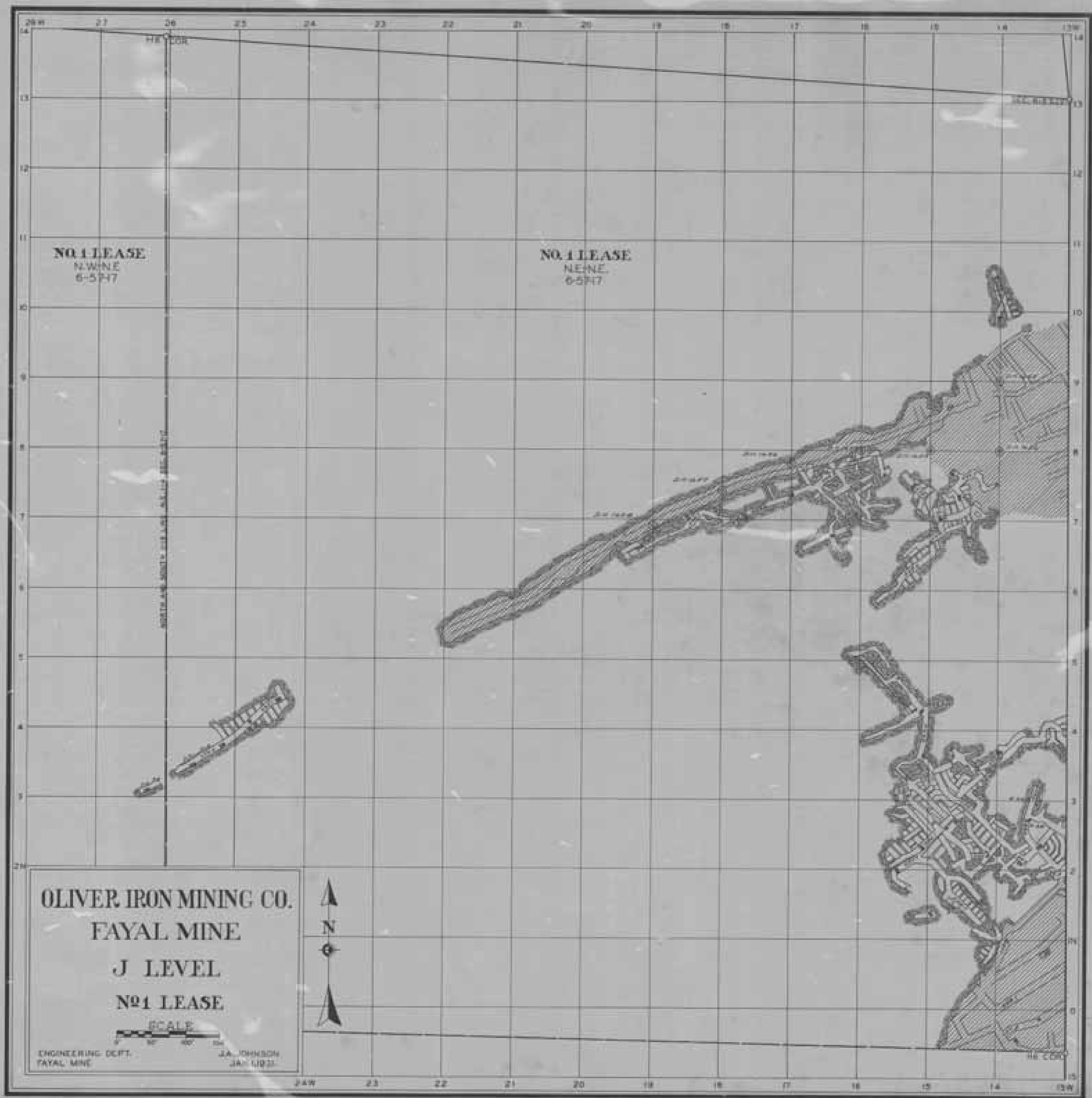

No. 1 LEASE
Sec. 6-57-17.
No. 1 LEASE
Sec. 5-57-17.
No. 2 LEASE
OLIVER IRON MINING CO.
FAYAL MINE
No. 1 SHAFT
"E" LEVEL

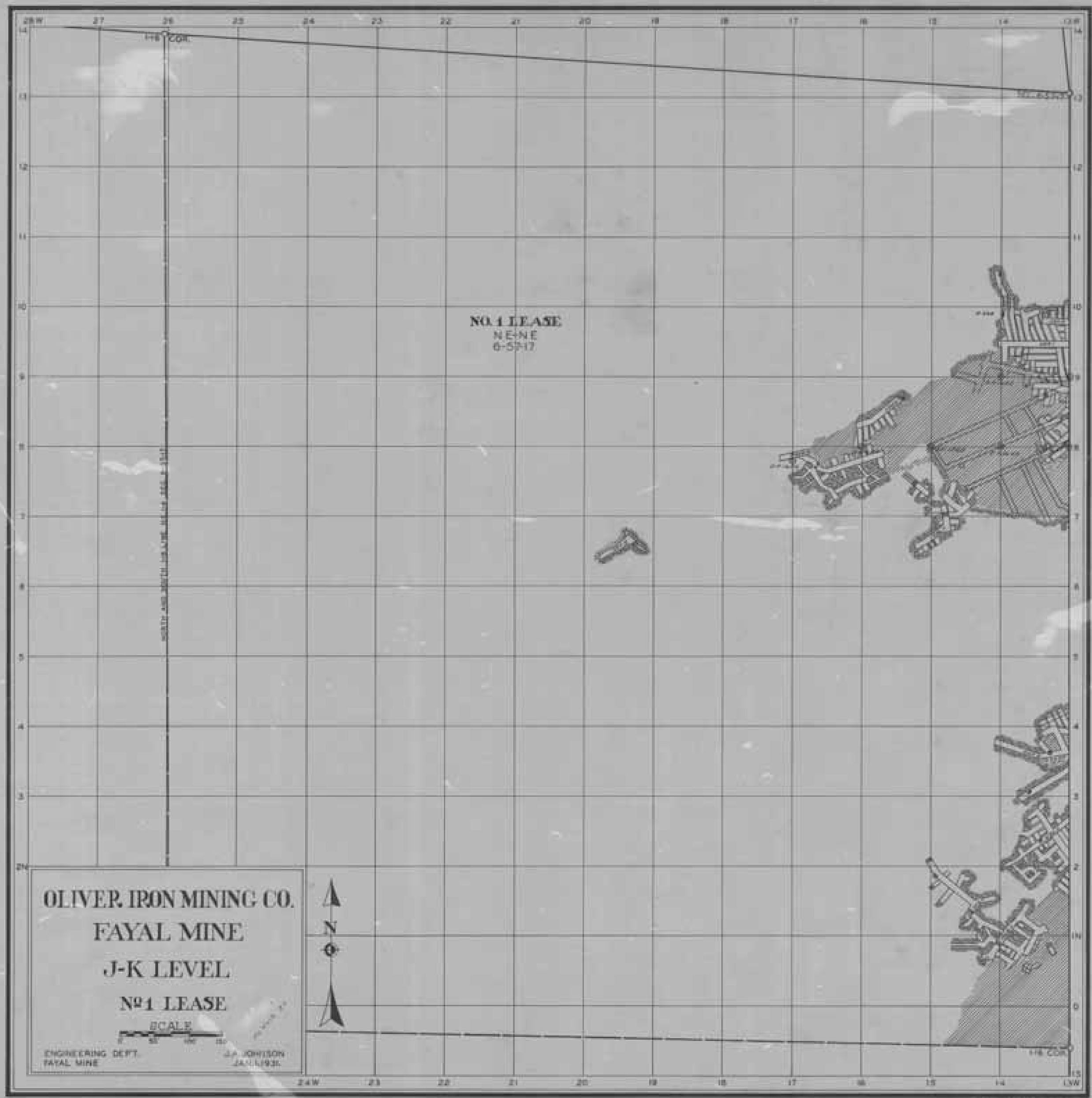

NO. 4 LEASE
NW.-NE.
6-57-17
NO. 4 LEASE
NE-NE
6-57-17
NO. 2 LEASE
SW-NE
6-57-17
EAST AND WEST ¼ LINE N.E. ¼ SEC. 6-57-17
¼ COR.
N
OLIVER IRON MINING CO.
FAYAL MINE
I LEVEL
Nº 4 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE
L.E. LAMBERT.
JAN. 1, 1930.

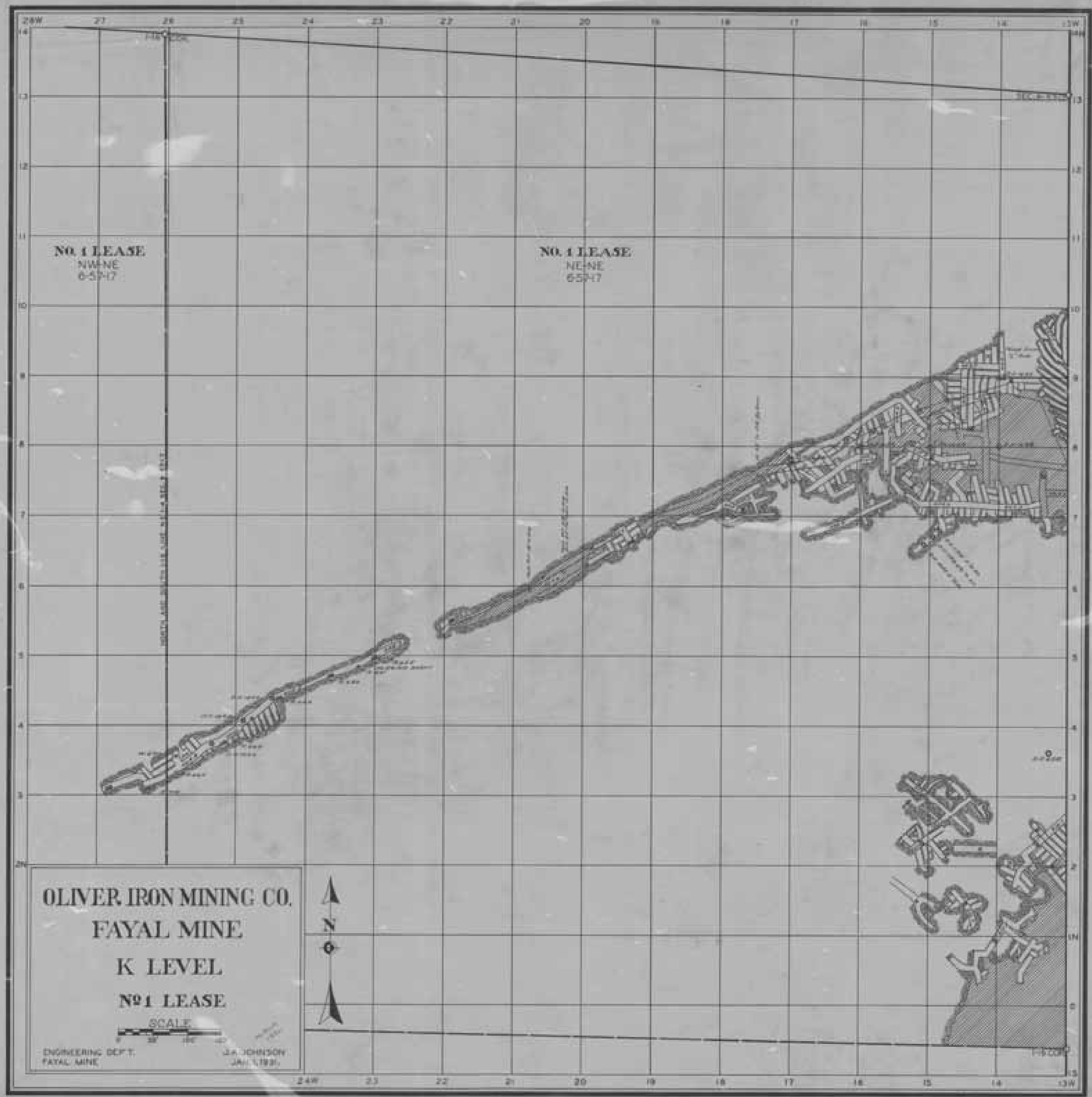

Nº 1 LEASE
N.E. OF N.E.
SEC. 6 - 57-17
FAYAL MINE
Q-SUB
SCALE 1"=50'
M.A.S.
APRIL 1 1951


Nº I LEASE
N.E. OF N.E.
SEC. 6-57-17
FAYAL MINE
R-SUB
SCALE 1"=50'

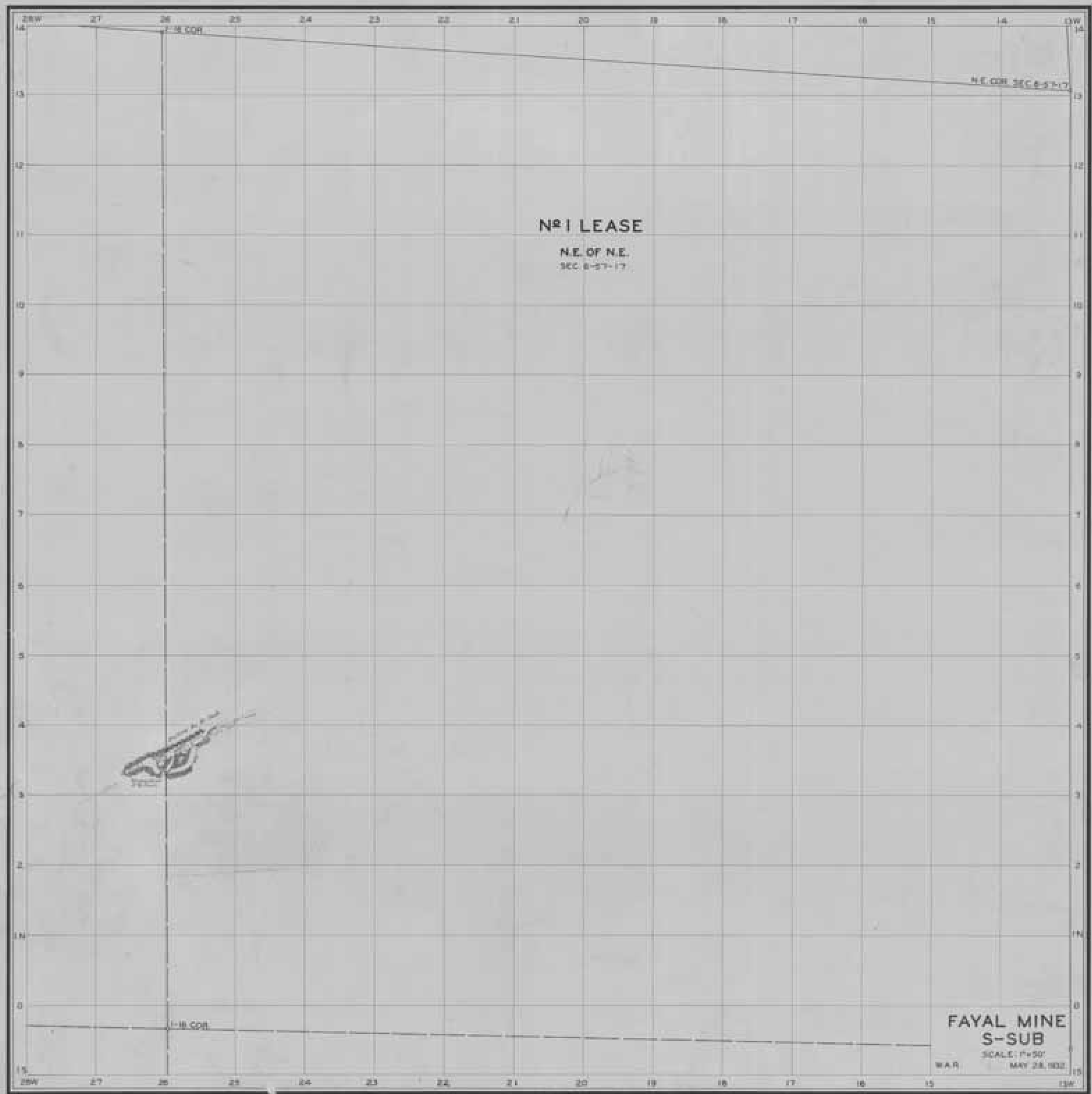

OLIVER IRON MINING CO.
MAP OF
FAYAL MINE
H-SUBLEVEL No I LEASE
SCALE
LAKE SUPERIOR DATUM
Sec.5-57-17.
NW-NW
Sec.5-57-17.
NE-NE
N

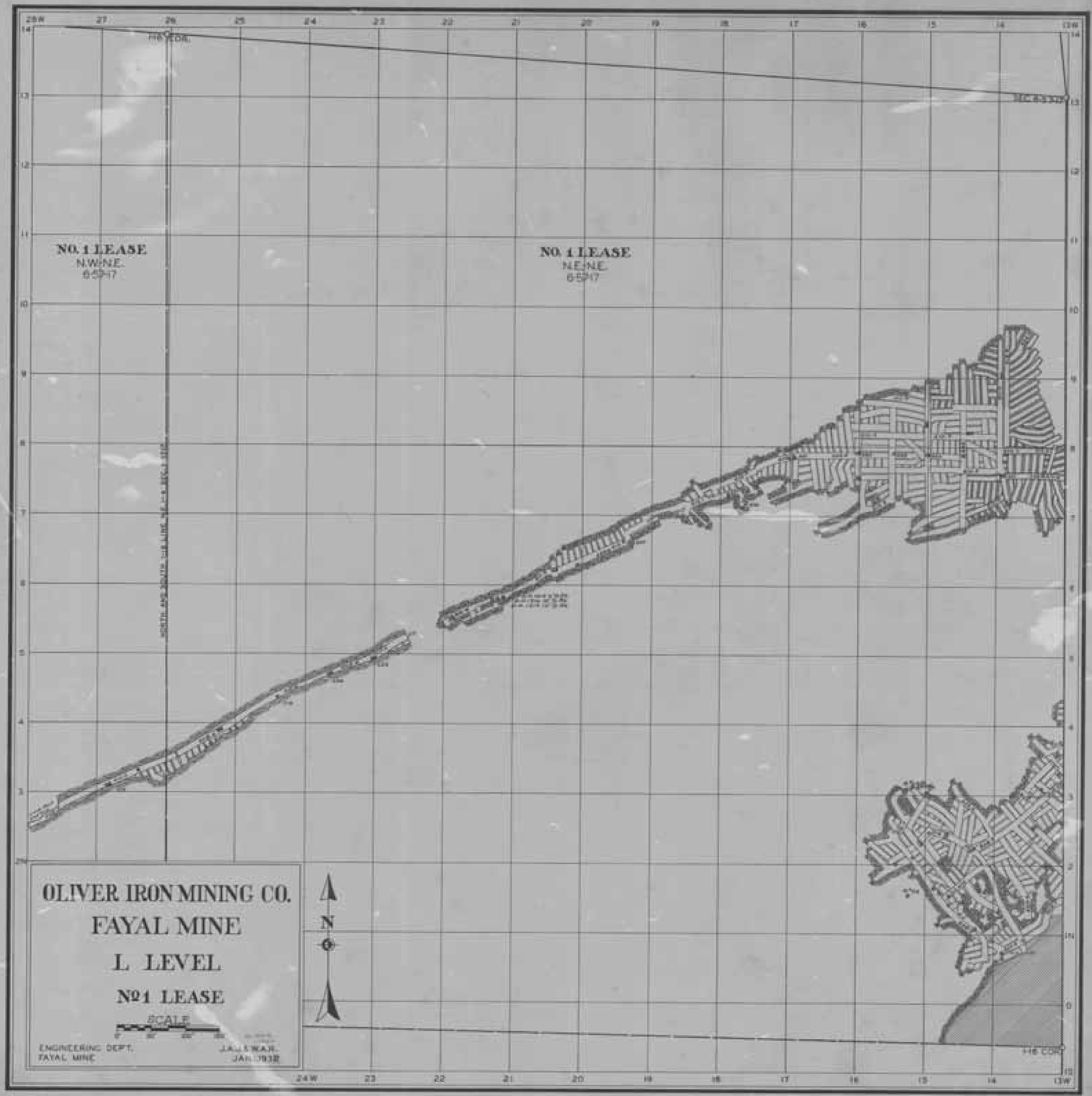

OLIVER IRON MINING CO.
FAYAL MINE
J LEVEL
Nº1 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE
J.A. JOHNSON
JAN. 1923
N
NO. 1 LEASE
N.W.-N.E.
6-57-17
NO. 1 LEASE
N.E.-N.E.
6-57-17
IRON
26 W
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13 W

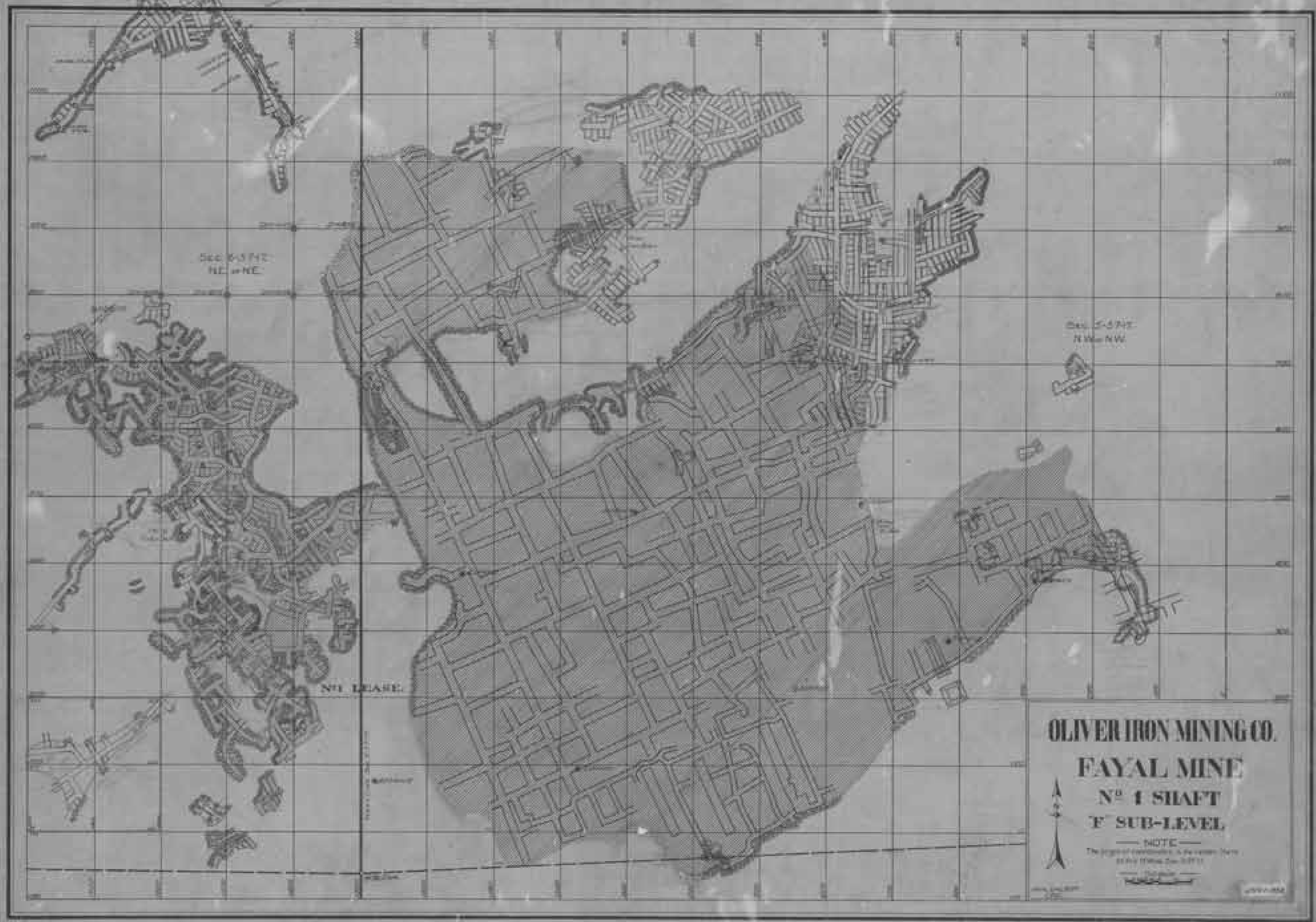

NO. 4 LEASE
NE-NE
6-52-17
OLIVER IRON MINING CO.
FAYAL MINE
J-K LEVEL
Nº 4 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE
J.A. JOHNSON
JAN. 1931.
N
1-16 COR.

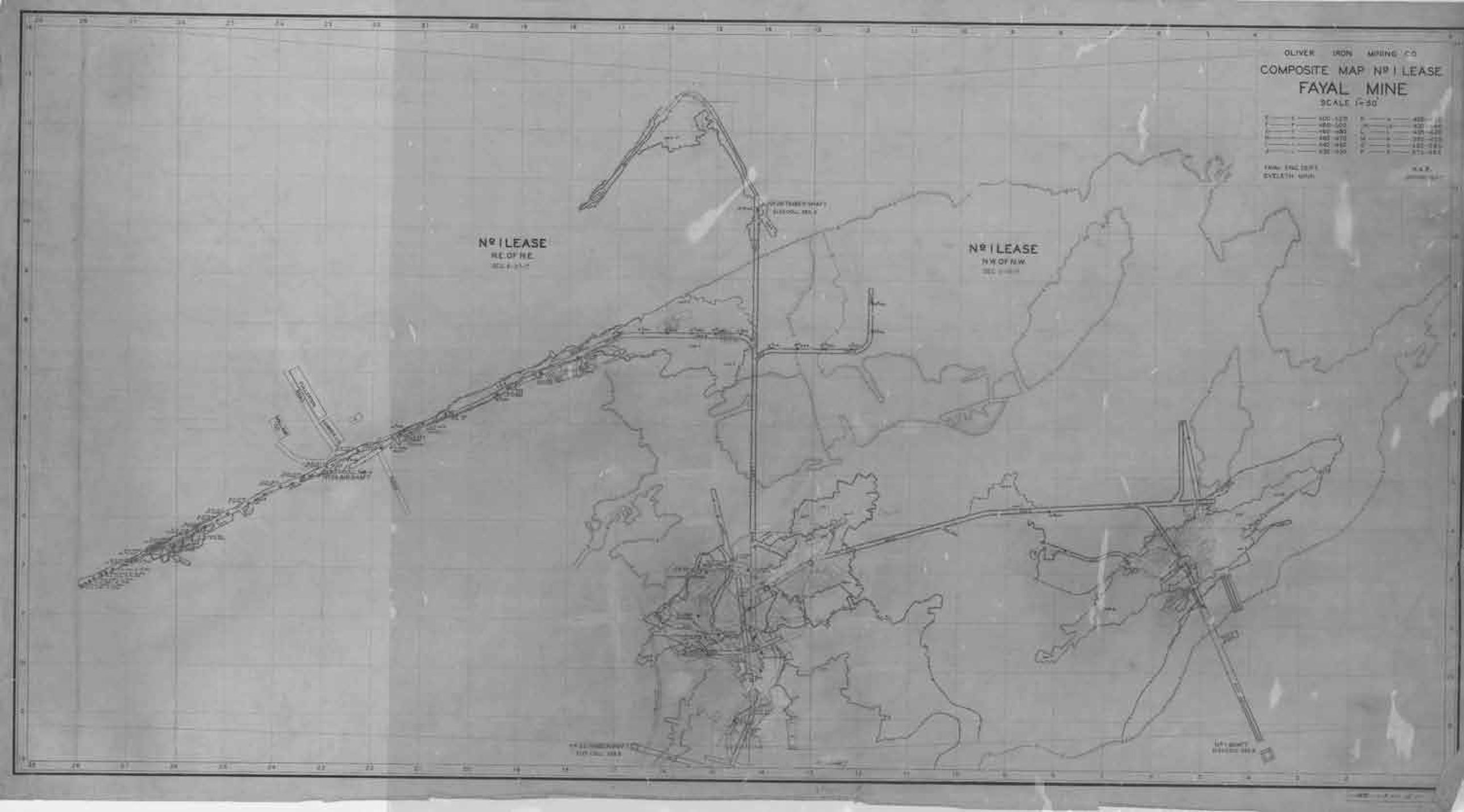

OLIVER IRON MINING CO.
FAYAL MINE
K LEVEL
№1 LEASE
SCALE
ENGINEERING DEP'T.
FAYAL MINE
J.A. JOHNSON
JAN. 1, 1931.
N
NO. 1 LEASE
NW-NE
6-59-17
NO. 1 LEASE
NE-NE
6-59-17

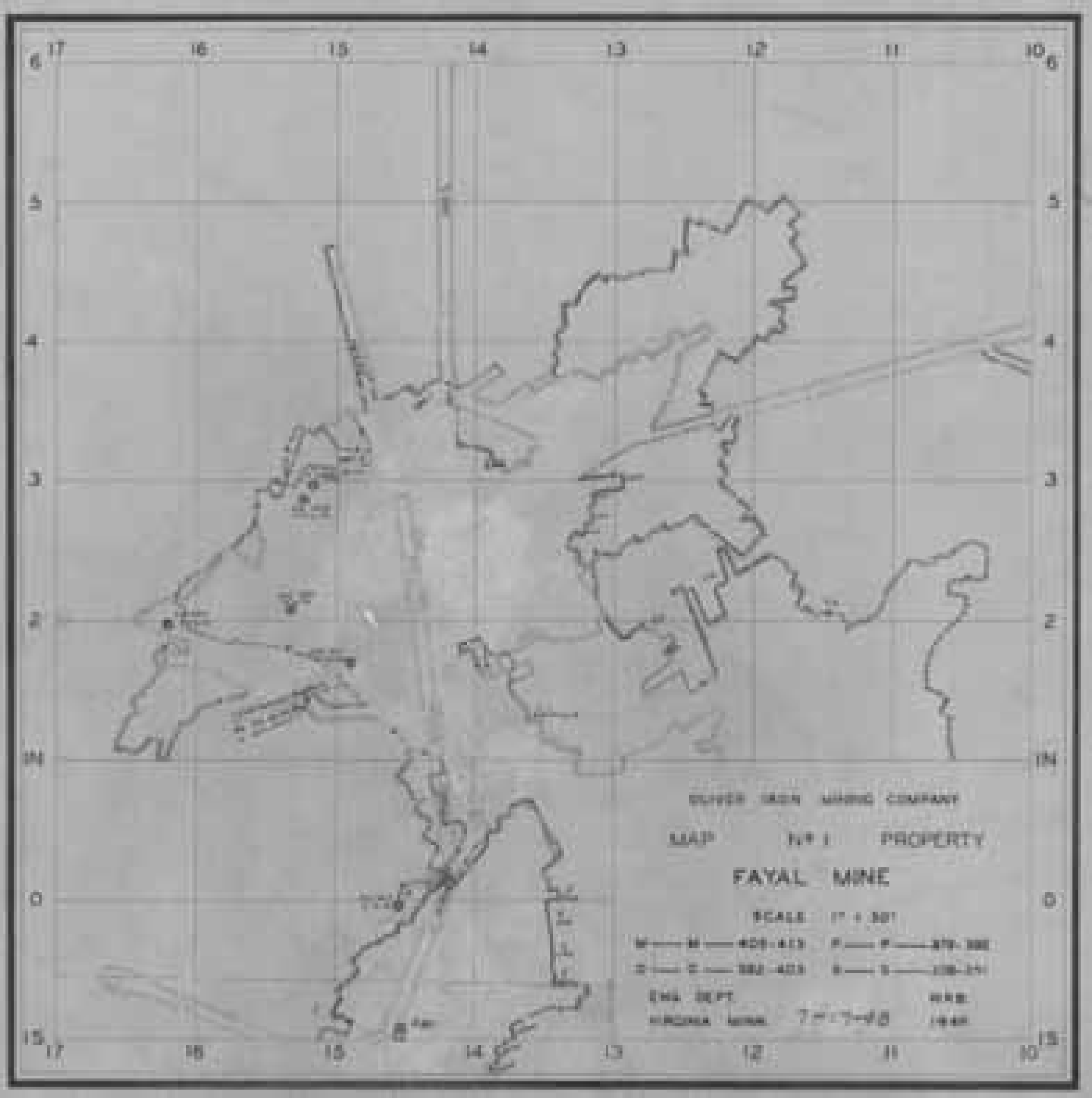
Sec.8-57-17.
NE
No.1 LEASE.
Sec.5-57-17.
NW & NW
OLD NO1 SHAFT
OLIVER IRON MINING CO.
FAYAL MINE
No. 4 SHAFT
"G" SUB-LEVEL

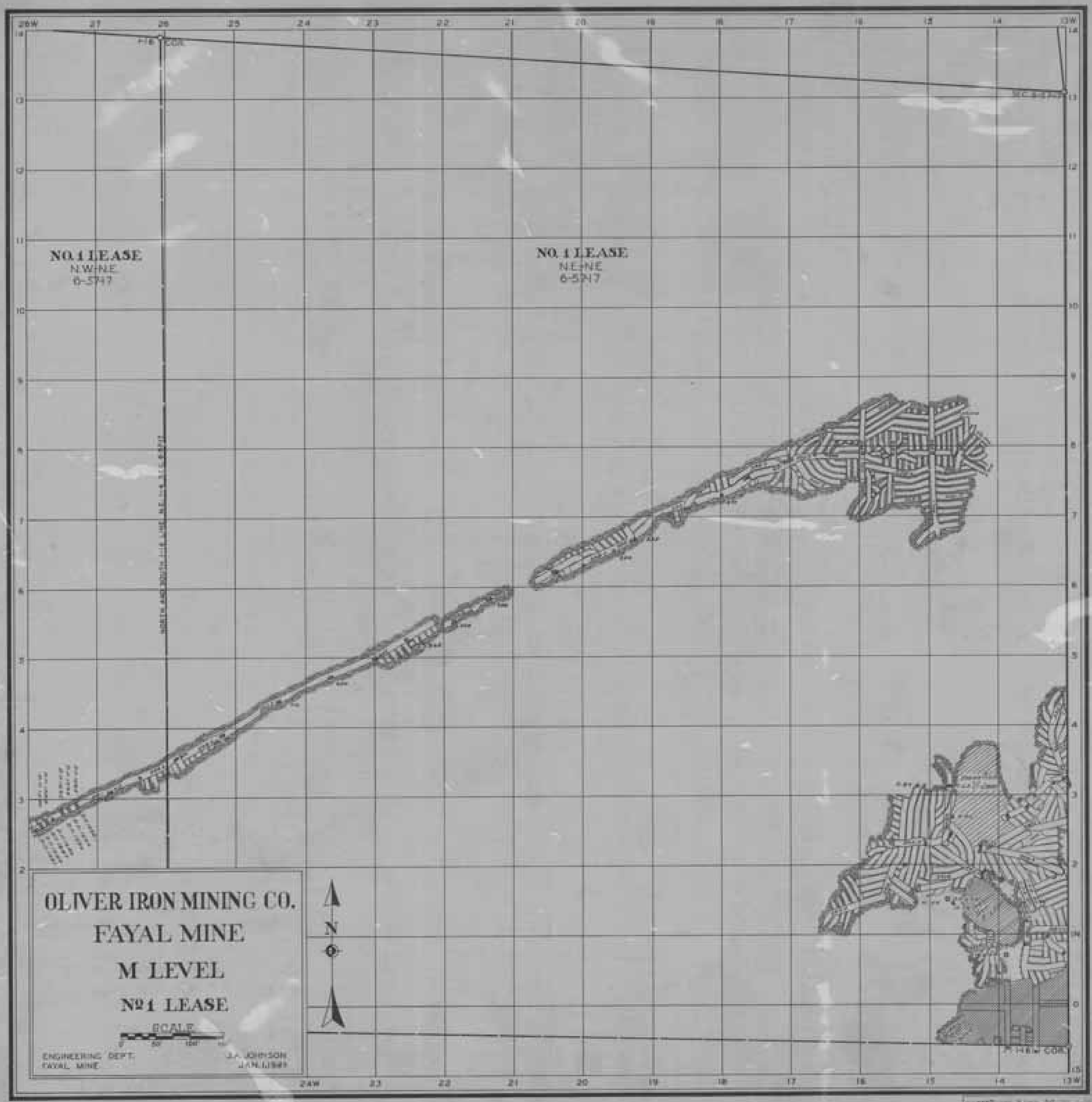

28W
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13W
14
13
12
11
10
9
8
7
6
5
4
3
2
1N
0
1S
1-S COR.
N.E. COR. SEC 8-S7-17
Nº 1 LEASE
N.E. OF N.E.
SEC 8-S7-17
1-W COR.
FAYAL MINE
S-SUB
SCALE: 1"=50'
MAY 28, 1932
W.A.R.

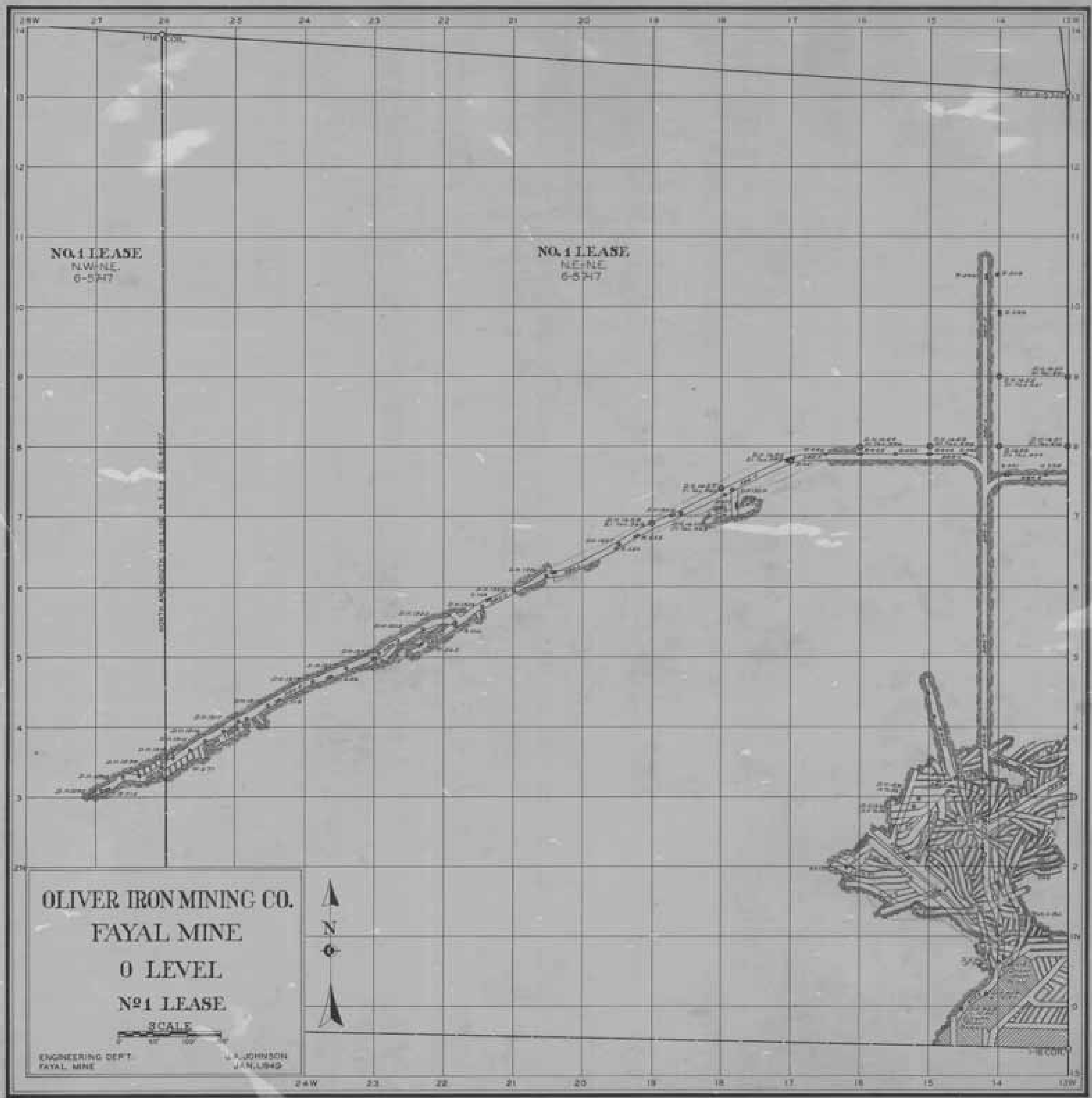

NO. 1 LEASE
N.W.-N.E.
6-5-17
NO. 1 LEASE
N.E.-N.E.
6-5-17
OLIVER IRON MINING CO.
FAYAL MINE
L LEVEL
№1 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE
JAN. 1938
N

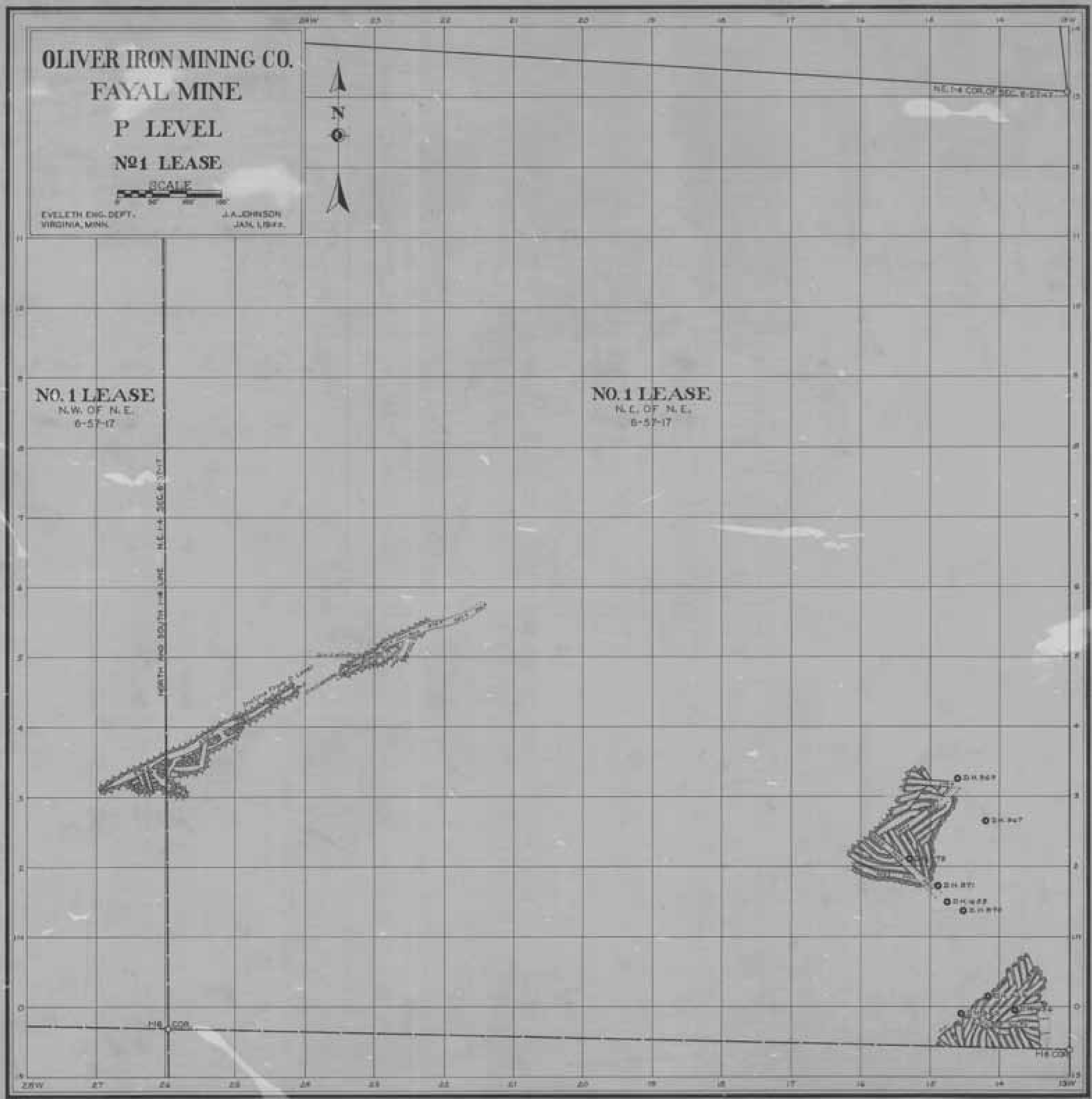

Sec. 8-53 N.R.
NE. of NE.
Sec. 5-53 N.R.
N. W. of N.W.
No. 1 LEASE.
OLIVER IRON MINING CO.
FAYAL MINE
No. 4 SHAFT
"F" SUB-LEVEL
NOTE

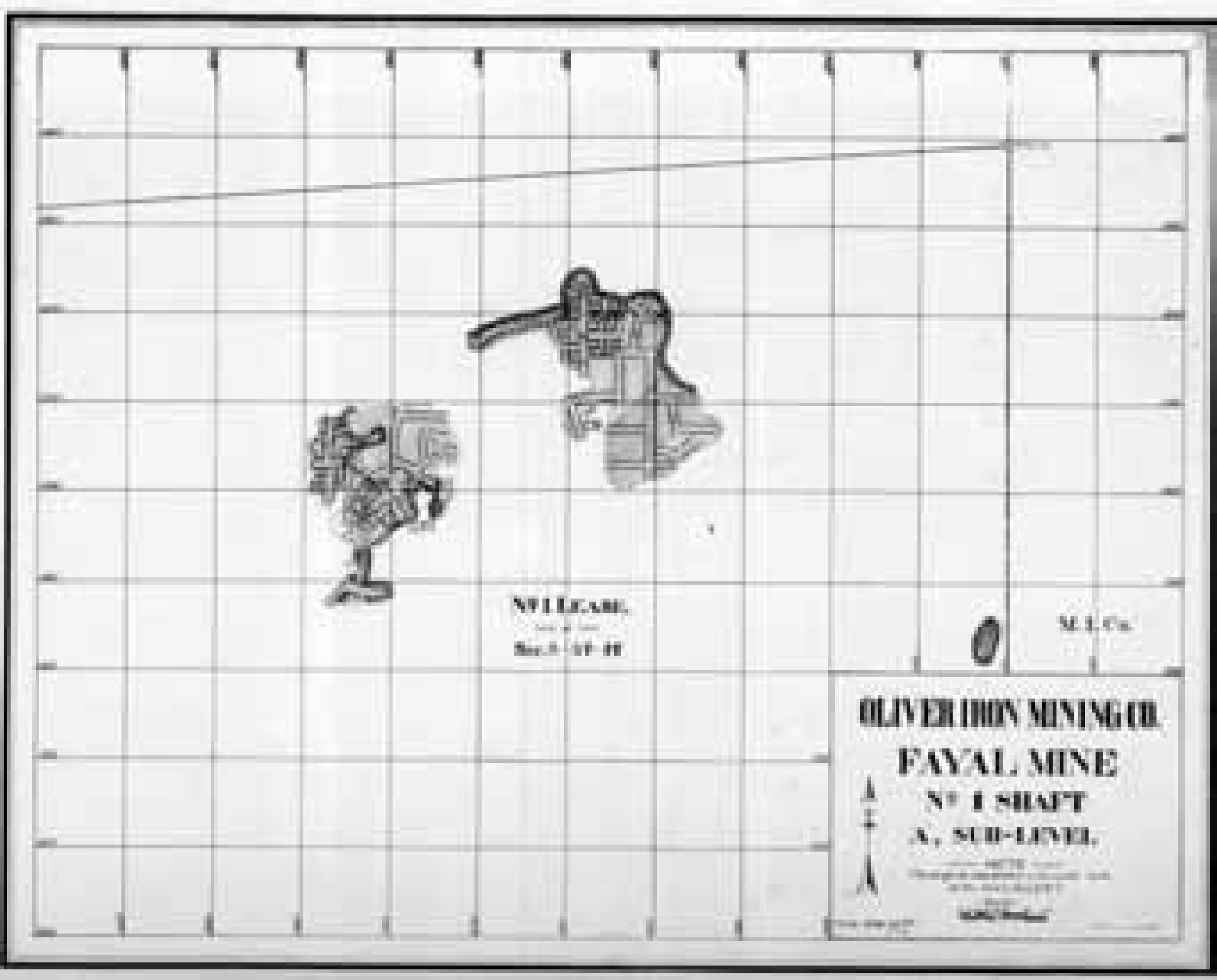

OLIVER IRON MINING CO
COMPOSITE MAP Nº I LEASE
FAYAL MINE
SCALE 1"=50'
Nº I LEASE
NE. OF NE.
Nº I LEASE
N.W. OF N.W.

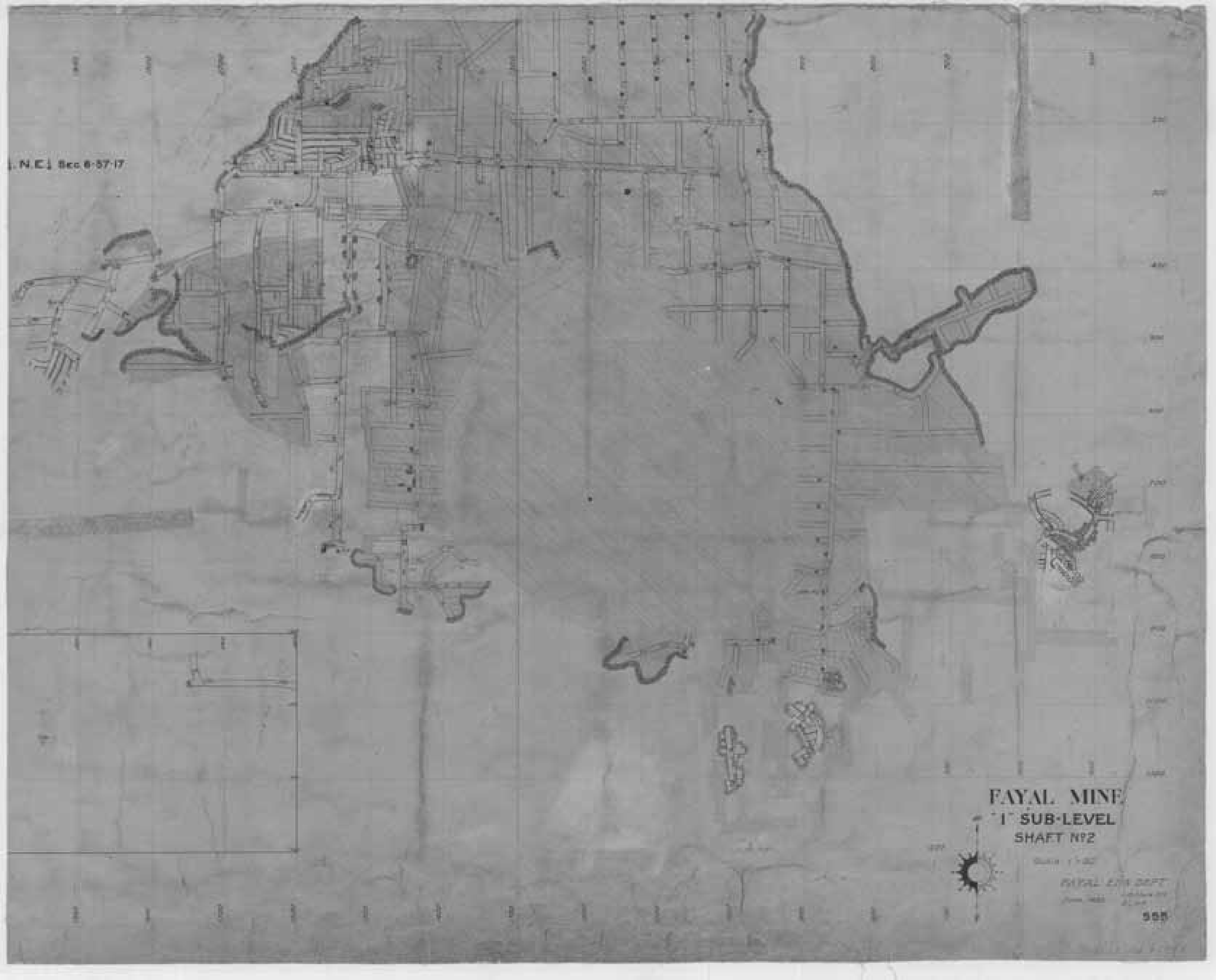

SILVER IRON MINING COMPANY
MAP No 1 PROPERTY
FAYAL MINE
SCALE 1" = 50'
ENG. DEPT.
VIRGINIA MINN.


OLIVER IRON MINING CO.
FAYAL MINE
M LEVEL
№1 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE
J.A. JOHNSON
NO. 1 LEASE
N.W.-N.E.
6-5N7
NO. 1 LEASE
N.E.-N.E.
6-5N7
N
26W
27
25
24
23
22
21
20
19
18
17
16
15
14
13W

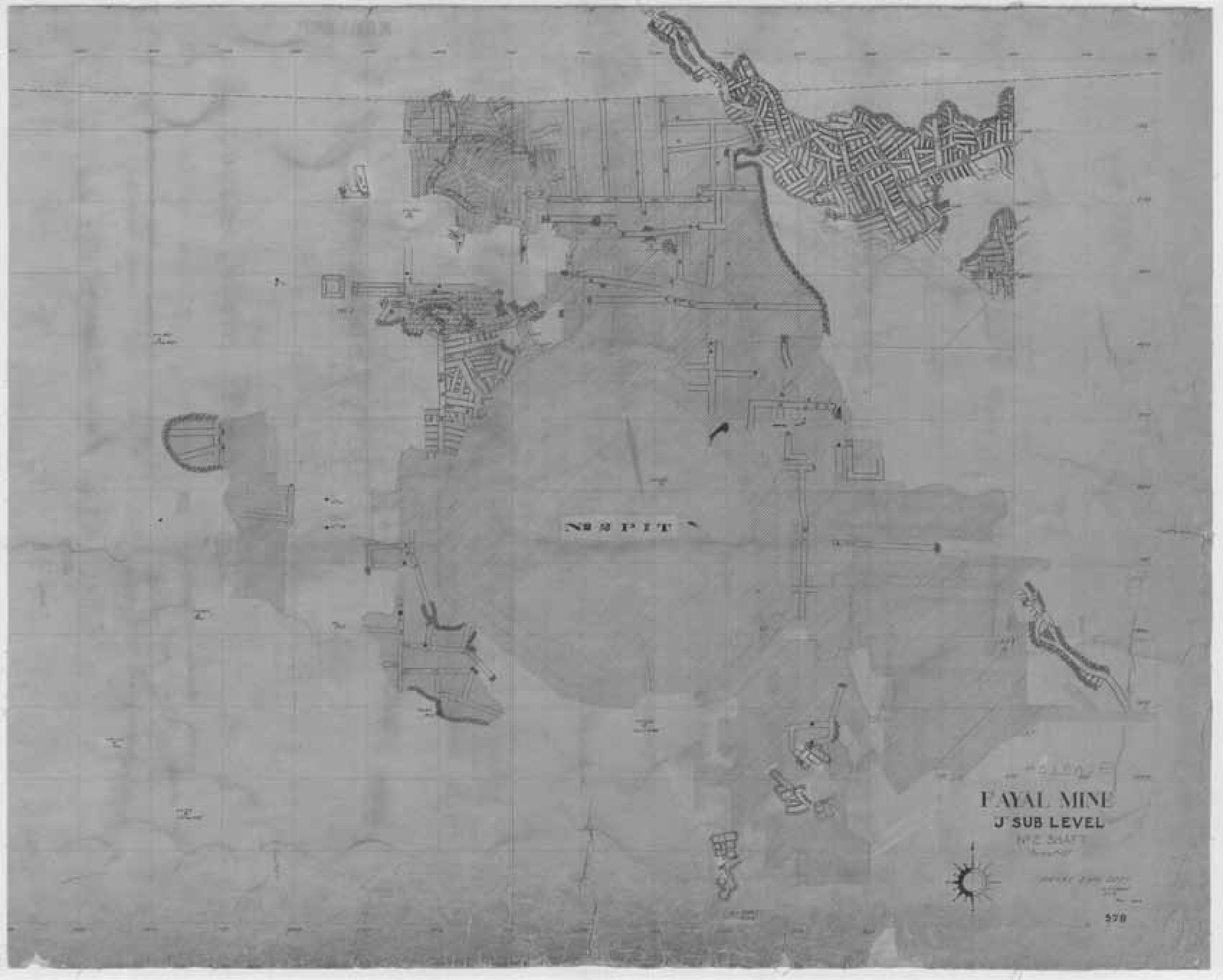

NO. 1 LEASE
N.W.-N.E.
6-5747
NO. 1 LEASE
N.E.-N.E.
6-5747
OLIVER IRON MINING CO.
FAYAL MINE
0 LEVEL
Nº1 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE
J. R. JOHNSON
JAN. 1949
N


OLIVER IRON MINING CO.
FAYAL MINE
P LEVEL
№1 LEASE
SCALE
EVELETH ENG. DEPT.
VIRGINIA, MINN.
J.A. JOHNSON
JAN. 1, 1914.
N
N.E. 1/4 COR. OF SEC. 6-57-17
NO. 1 LEASE
N.W. OF N.E.
6-57-17
NO. 1 LEASE
N.E. OF N.E.
6-57-17
NORTH AND SOUTH 1/4 LINE
N.E. 1/4 SEC. 6-57-17
1/4 COR.
1/4 COR.

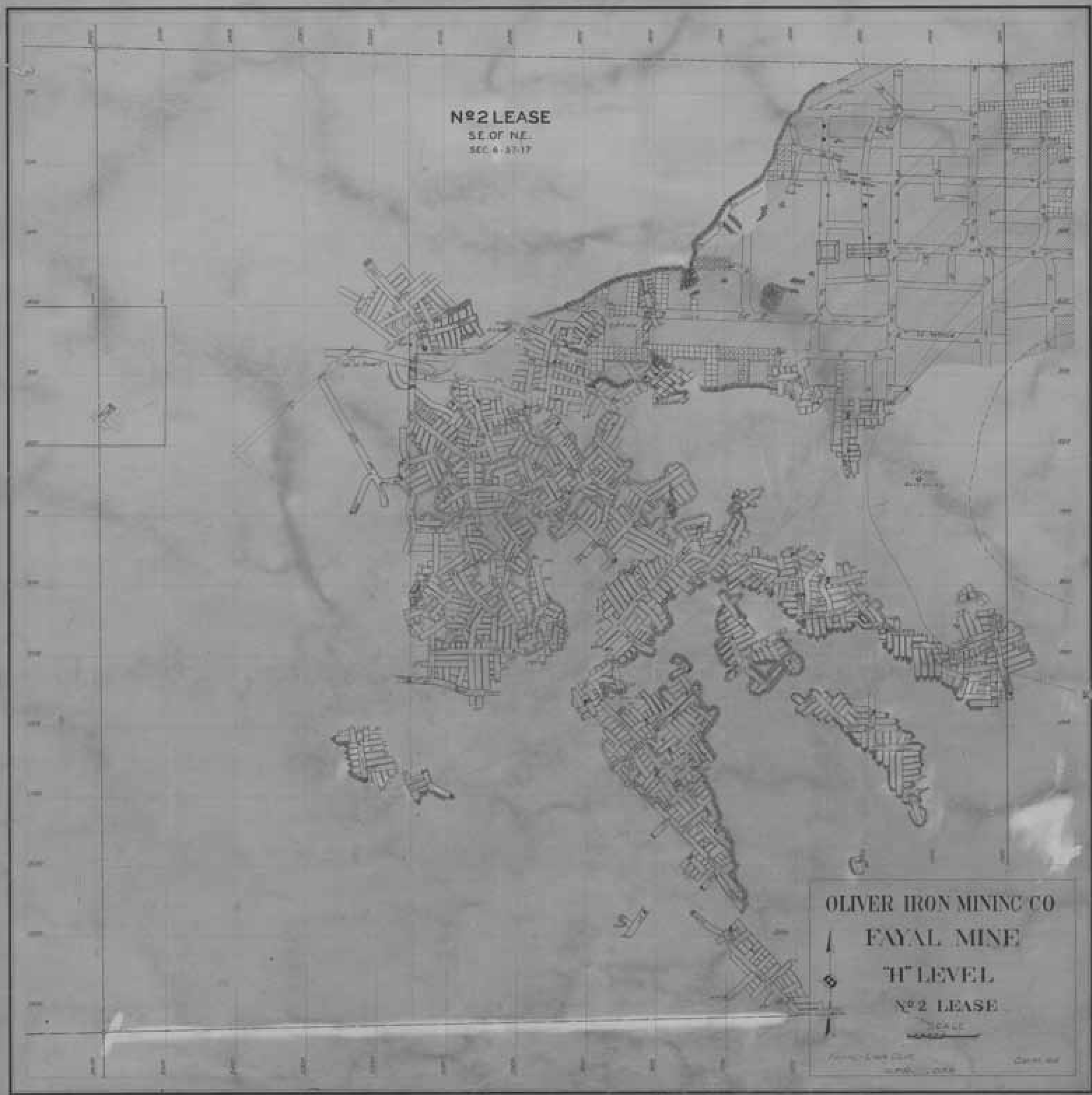

NW LEAGUE.
Sec.3-17-11
M. L. Co.
OLIVER IRON MINING CO.
FAYAL MINE
N° 1 SHAFT
A. SUB-LEVEL.

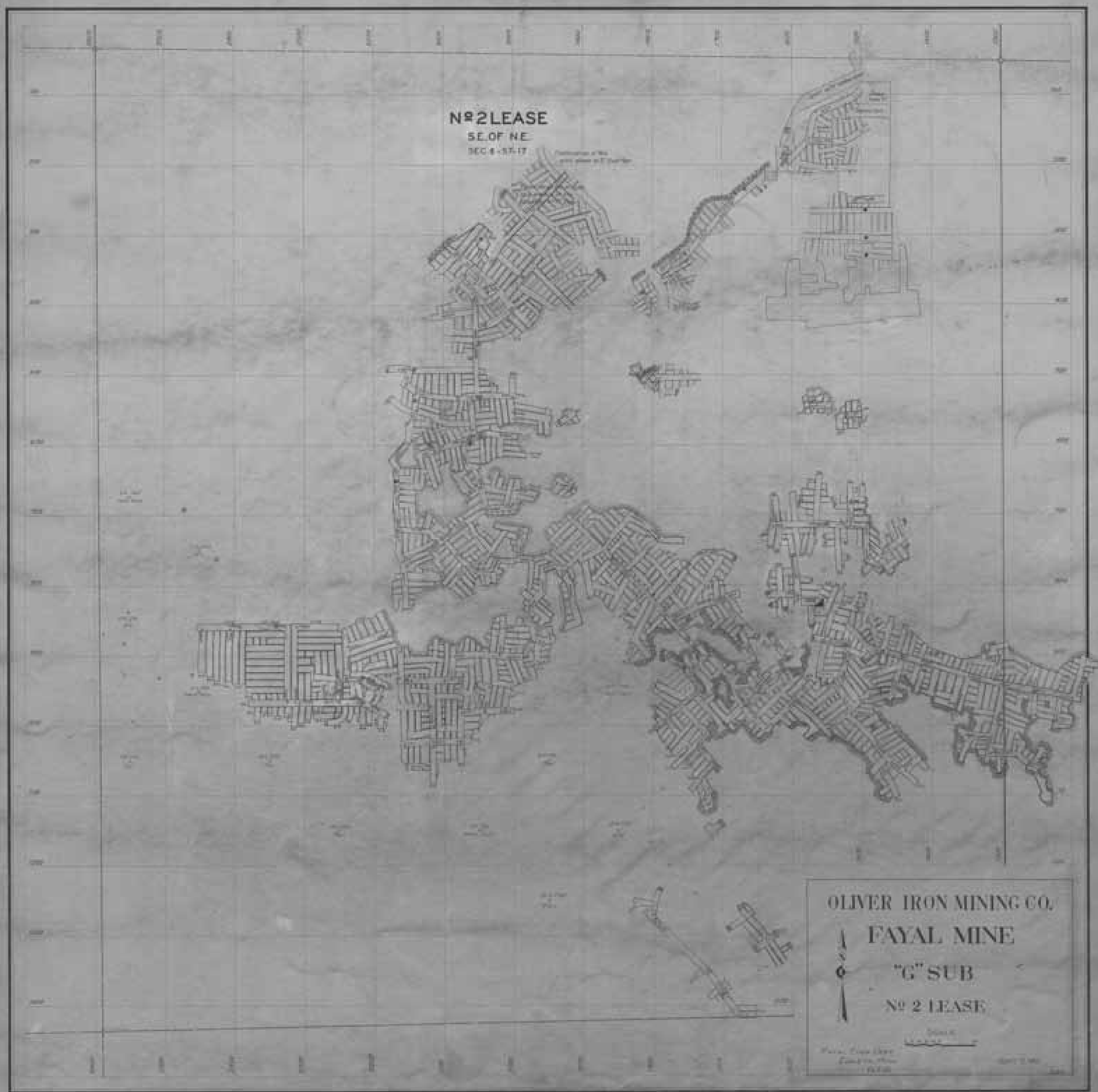

N.E.L. Sec 8-57-17
FAYAL MINE
"I" SUB-LEVEL
SHAFT Nº2
555

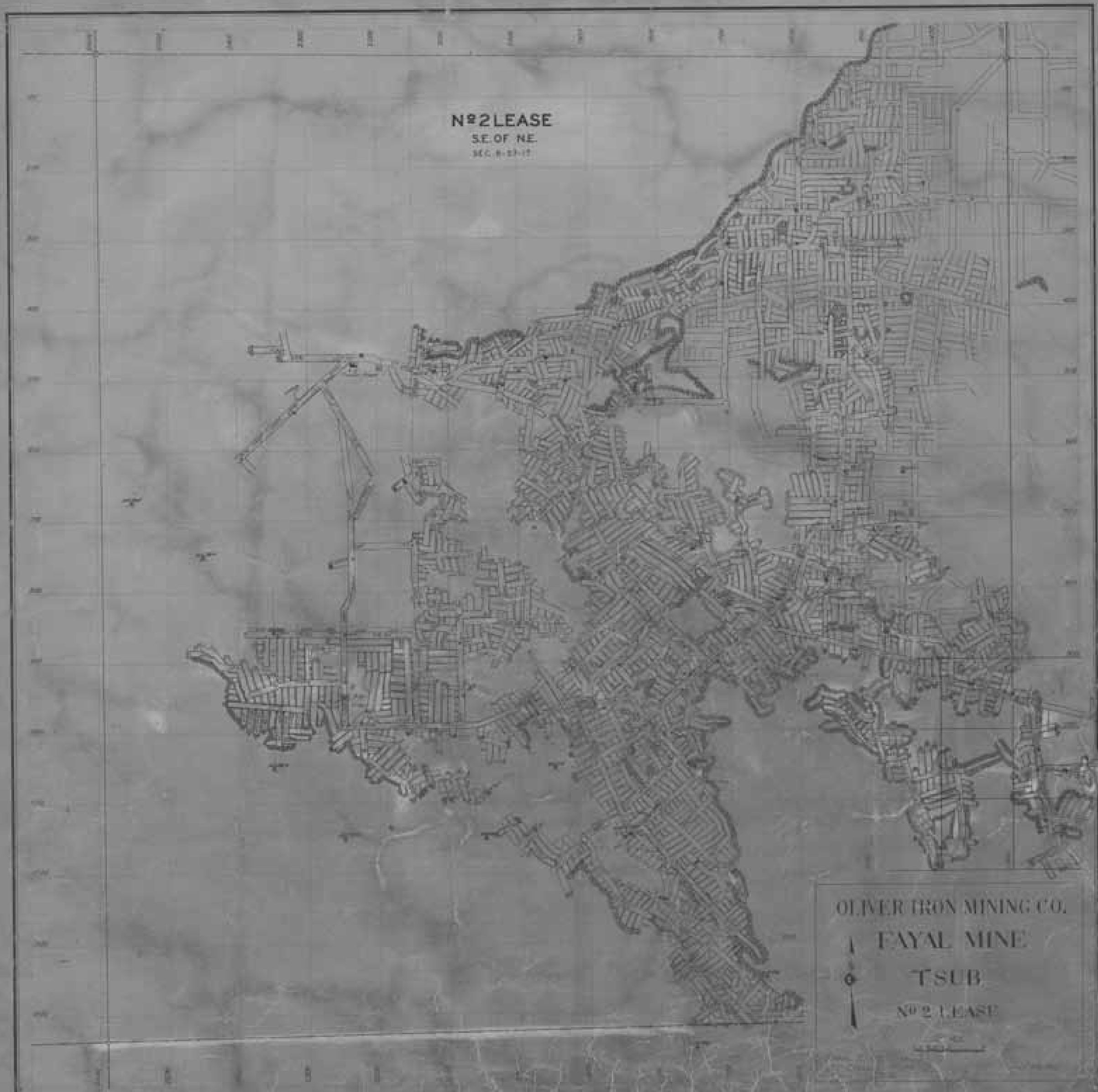
FAYAL MINE
"L" SUB-LEVEL
Nº2 SHAFT

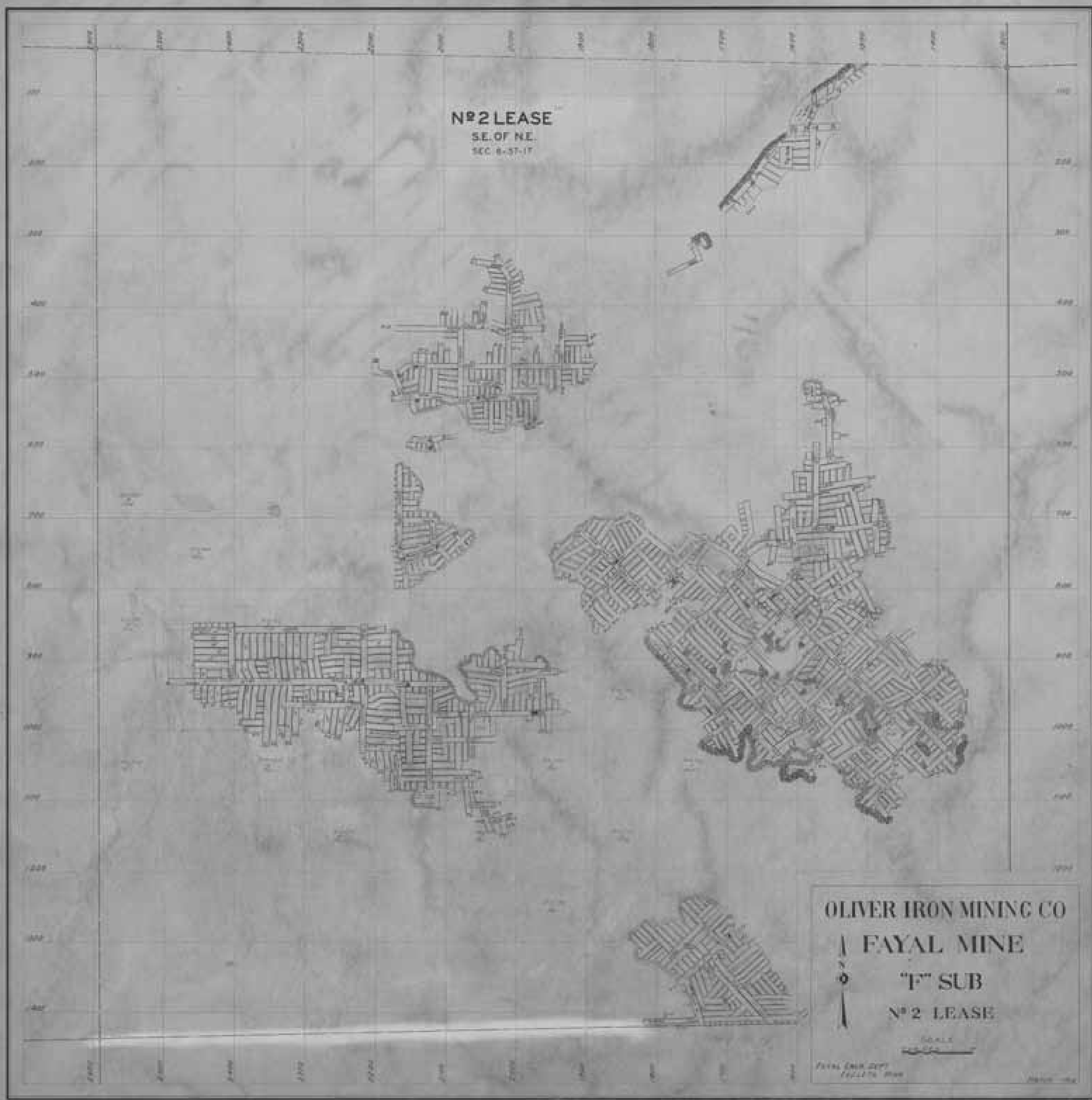

№ 2 PIT
FAYAL MINE
J SUB LEVEL
570

EAYAL MINE
M SUB-LEVEL
Nº2 SHAFT
Nº2 PIT


Nº2 LEASE
S.E. OF N.E.
SEC. 4 - 37-17
OLIVER IRON MINING CO
FAYAL MINE
"H" LEVEL
Nº2 LEASE
SCALE

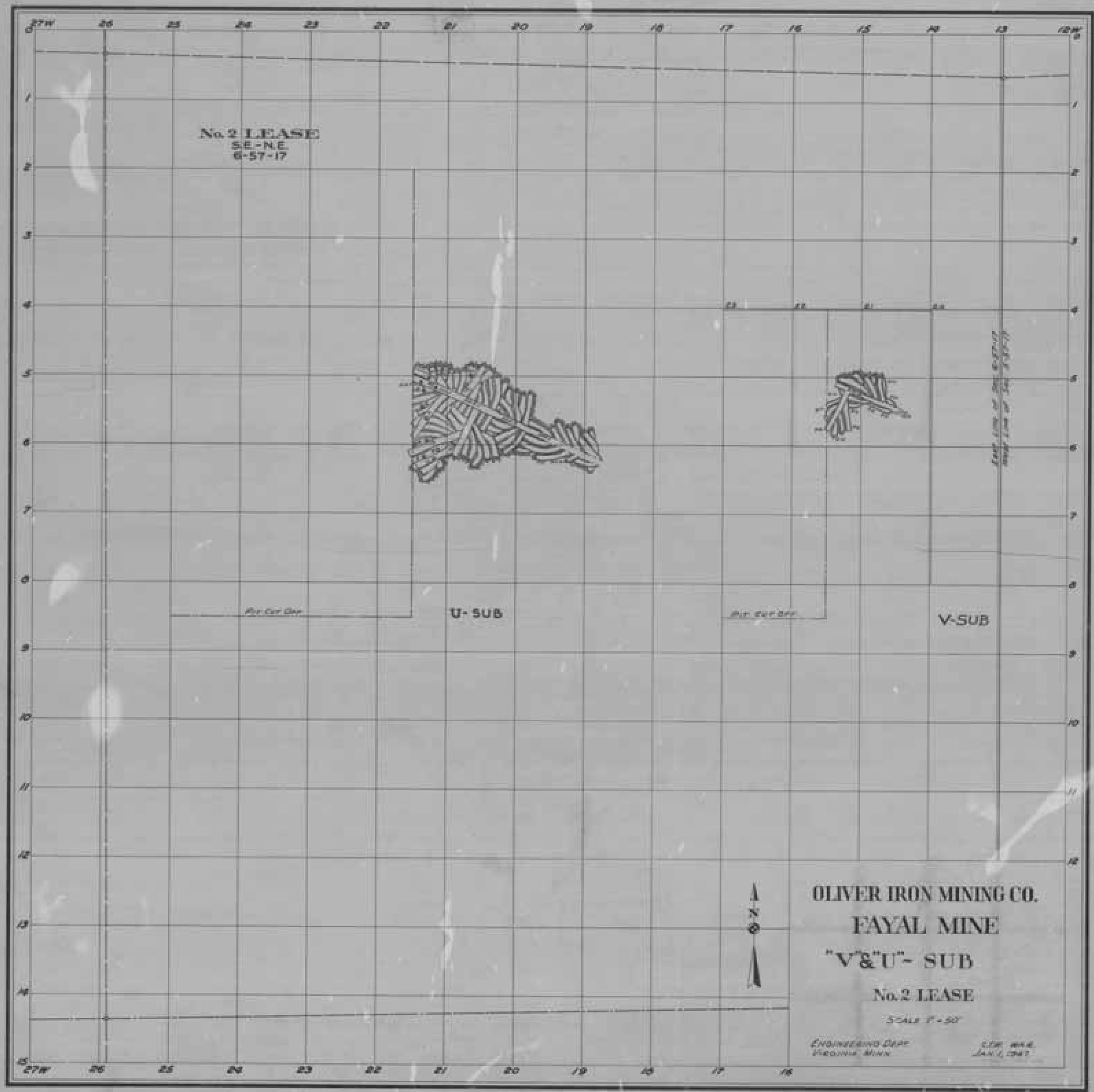

Nº 2 LEASE
S.E. OF N.E.
OLIVER IRON MINING CO.
FAYAL MINE
"G" SUB
Nº 2 LEASE


Nº 2 LEASE
S.E. OF N.E.
OLIVER IRON MINING CO.
FAYAL MINE
TSUB
Nº 2 LEASE


Nº 2 LEASE
S.E. OF N.E.
SEC. 6-37-17
OLIVER IRON MINING CO
FAYAL MINE
"F" SUB
Nº 2 LEASE

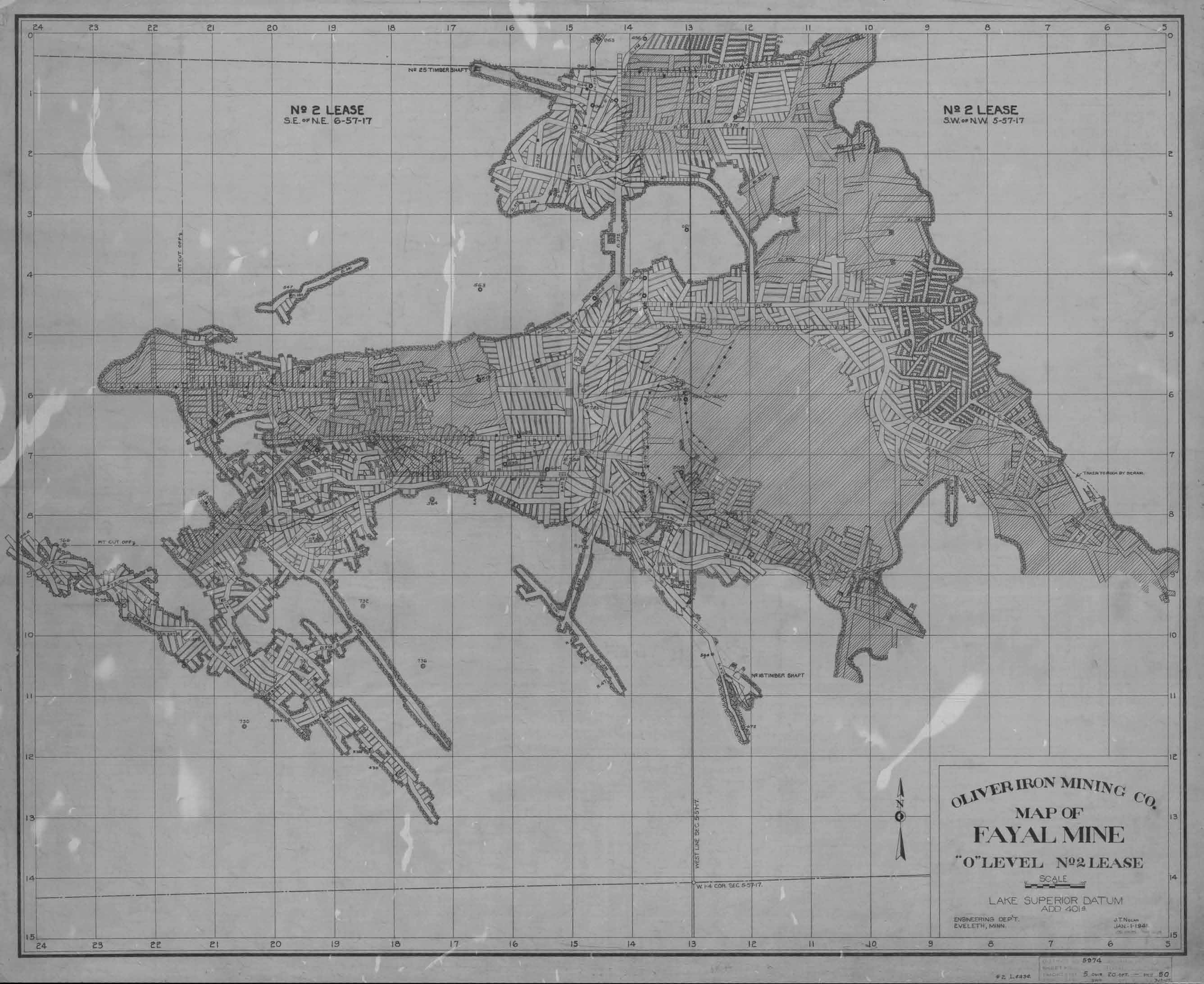
OLIVER IRON MINING CO.
FAYAL MINE
I LEVEL
Nº 2 LEASE
FAYAL ENGINEERING DEPT.
DULUTH, MINN.
SEPT. 1 1915
Nº 2 LEASE
S.W. OF N.W.
SEC. 5-57-17
Nº 3 LEASE
N.W. OF S.W.
SEC. 5-57-17
I-SUB
No. 2 & 3
LEASE

Nº 2 LEASE
SE OF NE
SEC. 8 - 57-17
OLIVER IRON MINING CO.
FAYAL MINE
'T' SUB
No. 2 LEASE

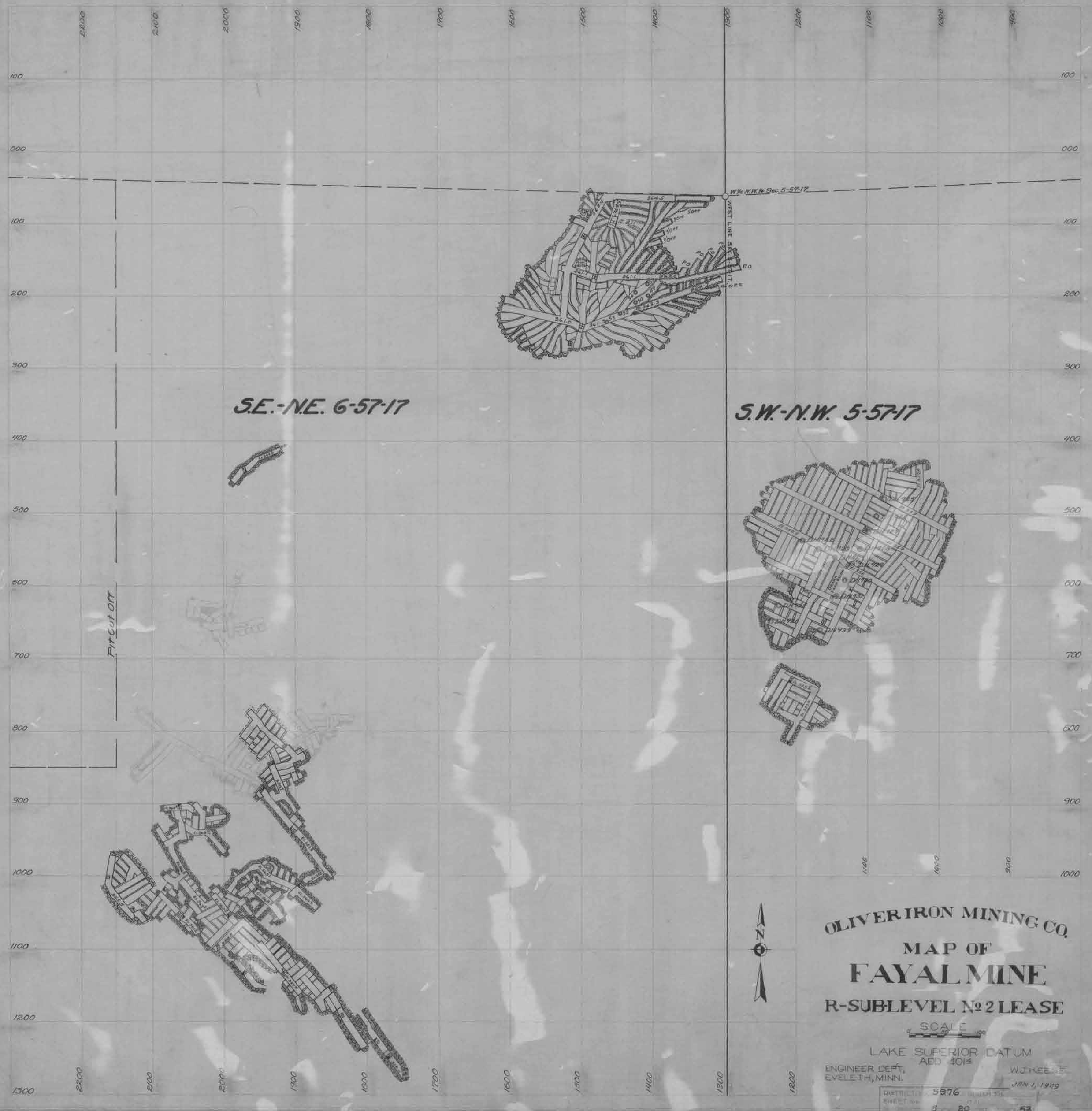

No. 2 LEASE
SE-NE
6-57-17
U-SUB
V-SUB
N
OLIVER IRON MINING CO.
FAYAL MINE
"V"&"U"- SUB
No. 2 LEASE
SCALE 1" = 50'
ENGINEERING DEPT.
VIRGINIA, MINN.

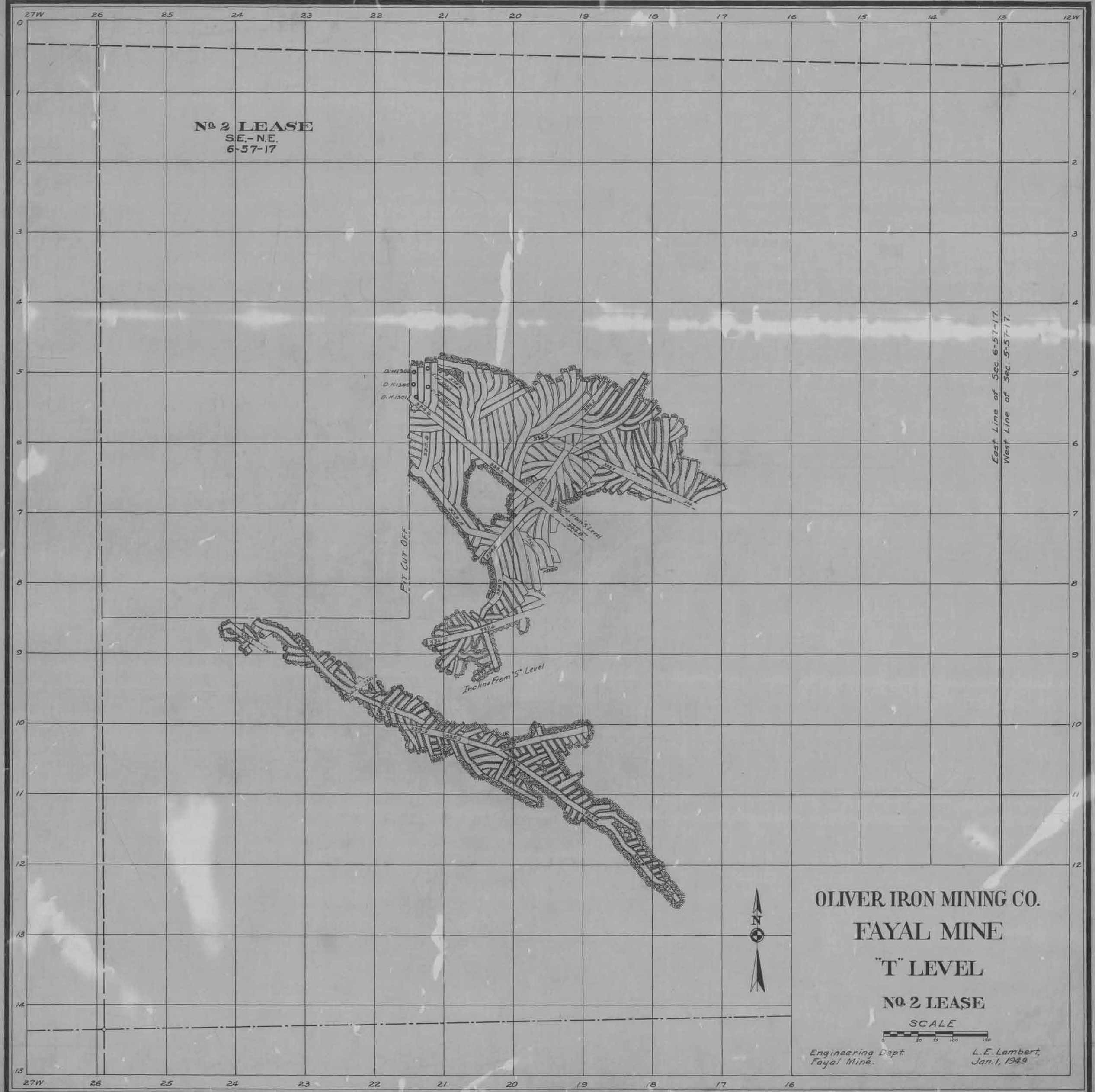
V-SUB

Nº 2 LEASE
S.E. OF N.E.
SEC. 6-57-17
Nº 2 LEASE
S.W. OF N.W.
SEC. 5-57-17
OLIVER IRON MINING COMPANY
COMPOSITE MAP NO. 2 LEASE
FAYAL MINE
SCALE 1"= 50'
H — H — 448-460
I — I — 436-448
J — J — 424-436
K — K — 412-424
L — L — 401-412
M — M — 390-401
N — N — 384-390
O — O — 375-384
P — P — 366-375
R — R — 357-366
S — S — 345-357
T — T — 333-345
U — U — 322-333
V — V — 312-322
ENGINEERING DEPT.
VIRGINIA, MINN.
12-15-48
-W.A.R.
-1943

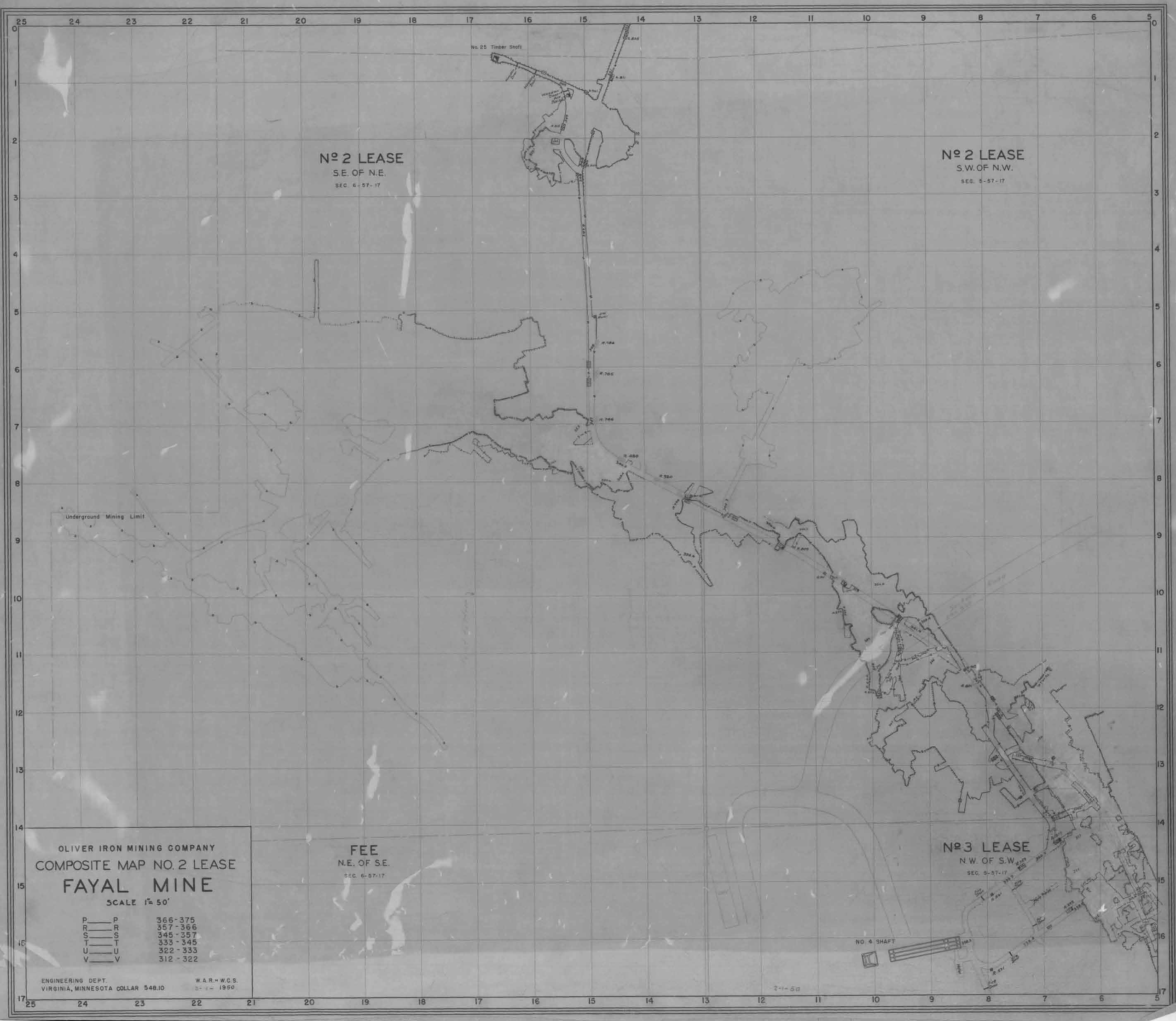

Nº 2 LEASE
S.E. OF N.E. 6-57-17
Nº 2 LEASE
S.W. OF N.W. 5-57-17
Nº 25 TIMBER SHAFT
PIT CUT OFF
PIT CUT OFF
TAKEN TO ROCK BY SCRAM.
Nº 16 TIMBER SHAFT
WEST LINE SEC. 5-57-17
W. 1/4 COR. SEC. 5-57-17.
N
OLIVER IRON MINING CO.
MAP OF
FAYAL MINE
"O" LEVEL Nº 2 LEASE
SCALE
LAKE SUPERIOR DATUM
ADD 401.4
ENGINEERING DEP'T.
EVELETH, MINN.
J.T. NOLAN
JAN. 1-1941
5974
5 OVR 20 OFT. — 50
Nº 2 LEASE

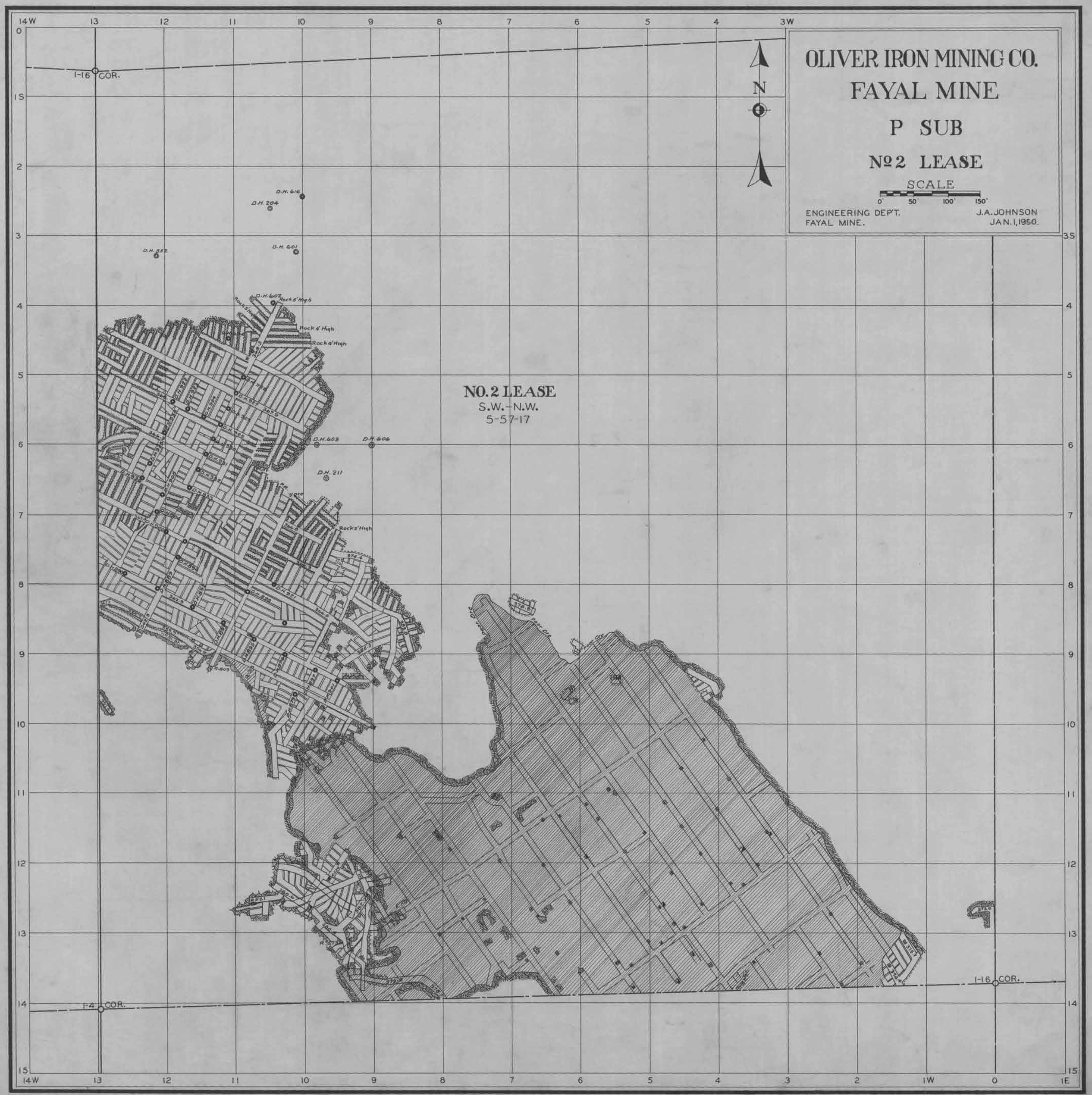
NO 5975 SHEET 5 DWR. 20 CRT. FILE 52


W½ N.W.¼ Sec. 5-57-17
WEST LINE SEC. 5-57-17
S.E.-N.E. 6-57-17
S.W.-N.W. 5-57-17
Pit cut off
OLIVER IRON MINING CO.
MAP OF
FAYAL MINE
R-SUBLEVEL № 2 LEASE
SCALE
LAKE SUPERIOR DATUM
ADD 401.4
ENGINEER DEPT.,
EVELETH, MINN.
W.J. KEESE
JAN. 1, 1929
DISTRICT 5976
SHEET NO. 5 20 53
7-13-29
№ 2 Lease

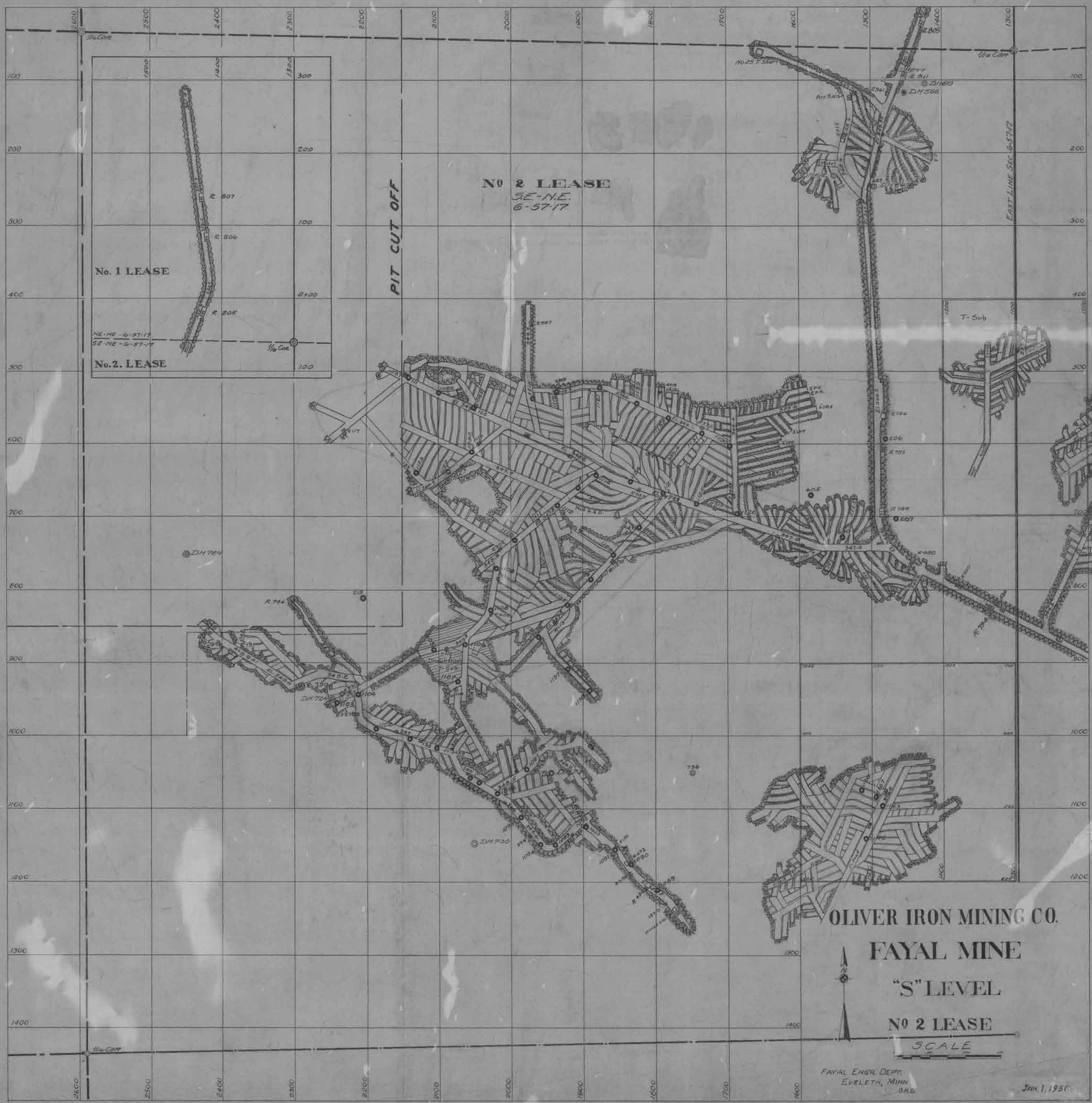



#2 Lease 5978 5 20 55 7-13-24


No. 25 Timber Shaft
Nº 2 LEASE
S.E. OF N.E.
SEC. 6-57-17
Nº 2 LEASE
S.W. OF N.W.
SEC. 5-57-17
Underground Mining Limit
FEE
N.E. OF S.E.
SEC. 6-57-17
Nº 3 LEASE
N.W. OF S.W.
SEC. 5-57-17
NO. 4 SHAFT
OLIVER IRON MINING COMPANY
COMPOSITE MAP NO. 2 LEASE
FAYAL MINE
SCALE 1" = 50'
P——P 366-375
R——R 357-366
S——S 345-357
T——T 333-345
U——U 322-333
V——V 312-322
ENGINEERING DEPT.
VIRGINIA, MINNESOTA COLLAR 548.10
W.A.R. & W.C.S.
1950



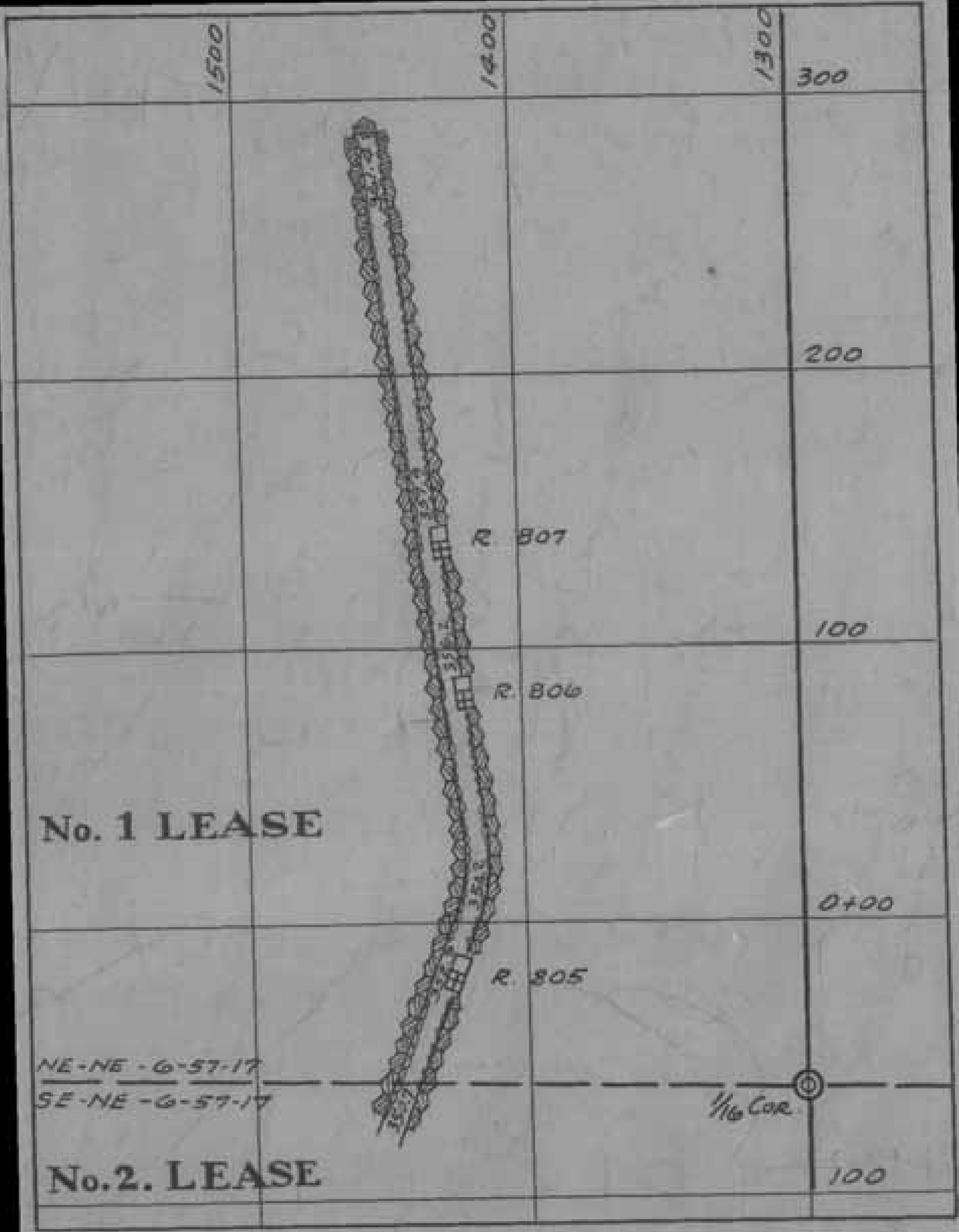

NO 5975 CASE 5 DWR 20 OPT FILE 51



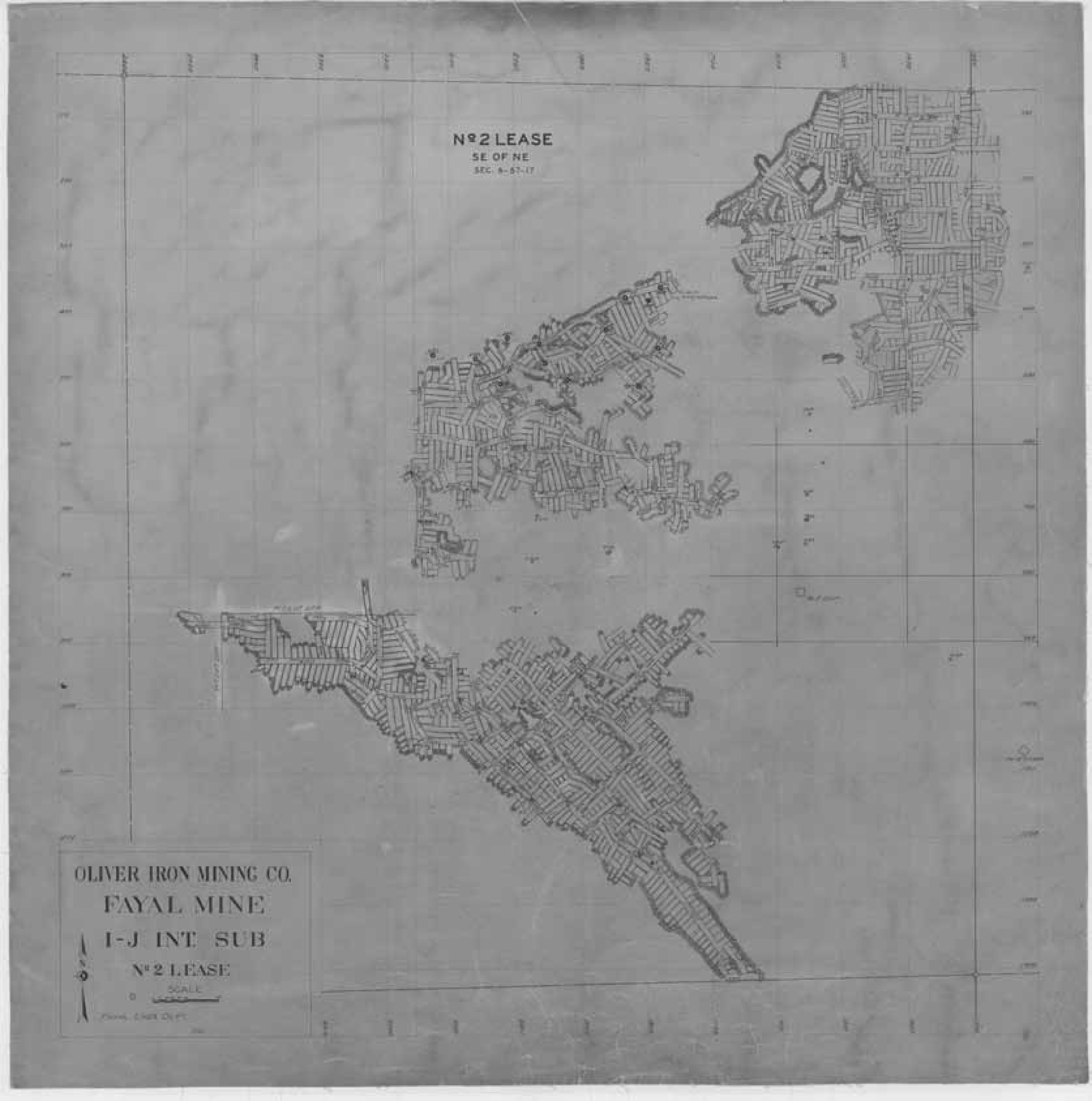

#2 Lease

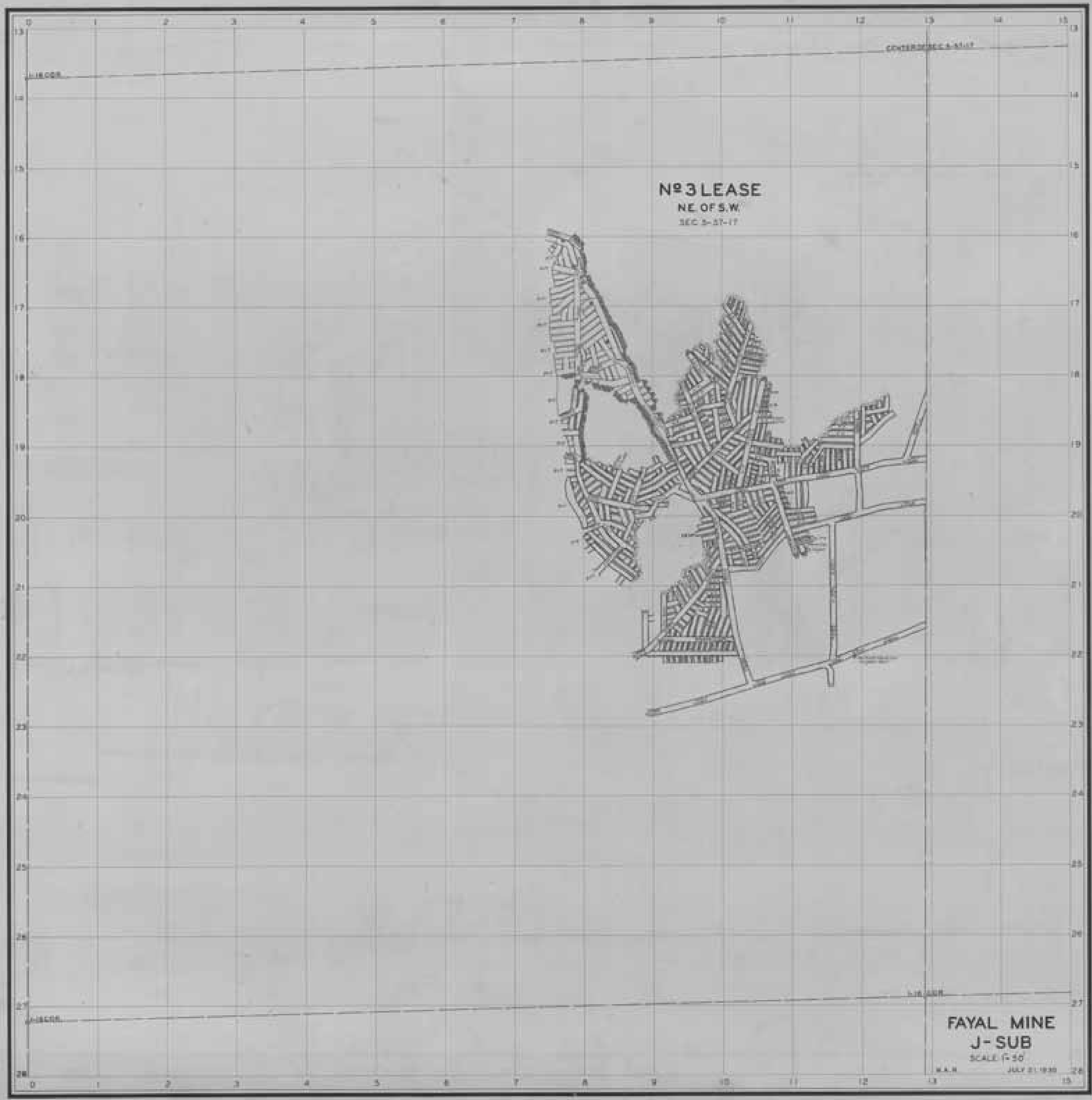
5977

5 20 – 54

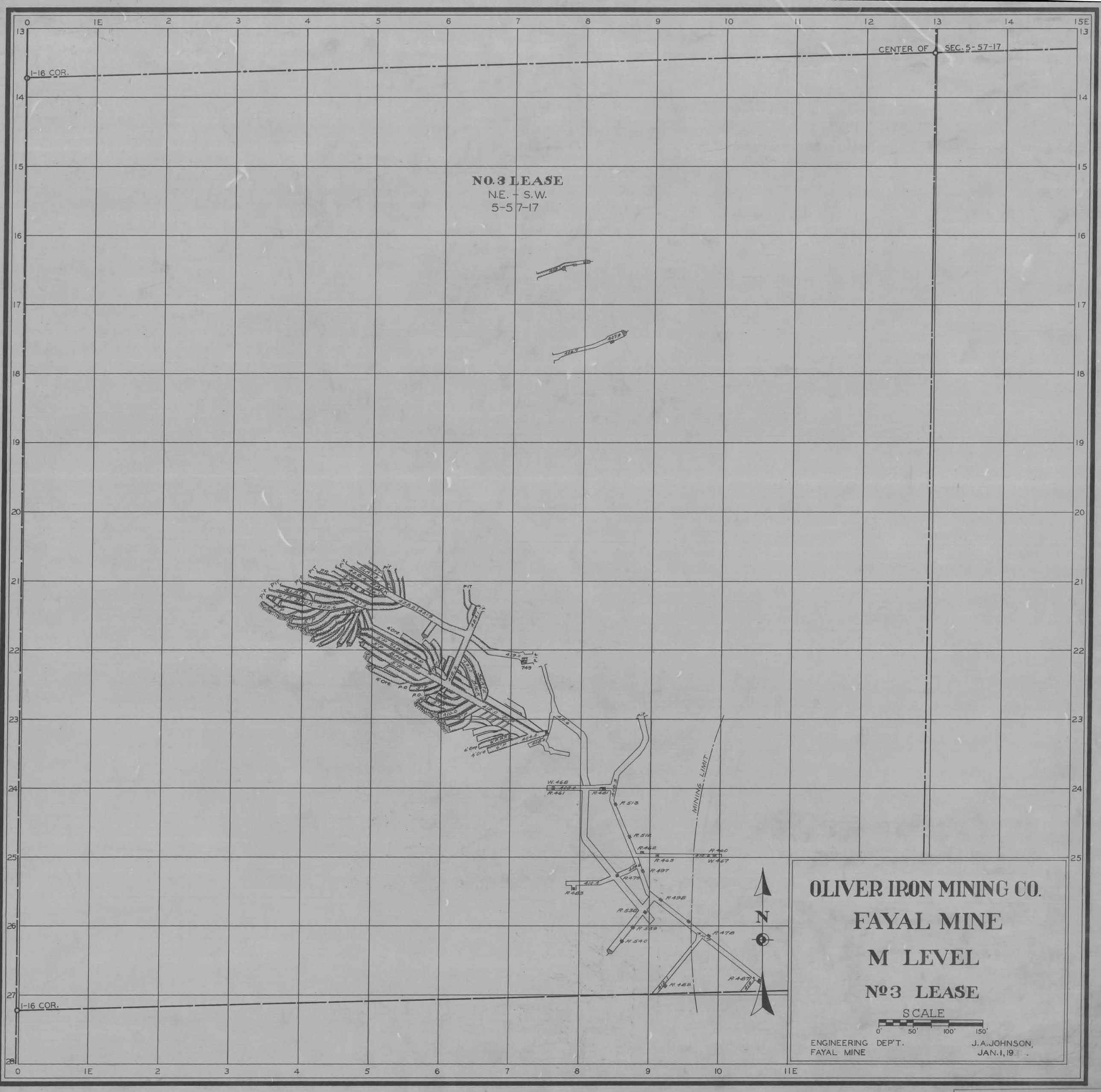

1500
1400
1300
300
200
100
0+00
100
R. 807
R. 806
R. 805
No. 1 LEASE
No. 2. LEASE
NE-NE -6-57-17
SE-NE -6-57-17
1/16 Cor.

FAYAL MINE
"H" LEVEL
Nº 2 SHAFT
Nº 2 PIT
Nº 2 LEASE
Nº 2 LEASE
SCALE (IN FEET)


Nº 2 LEASE
SE OF NE
SEC. 8-57-17
OLIVER IRON MINING CO.
FAYAL MINE
I-J INT SUB
Nº 2 LEASE
SCALE

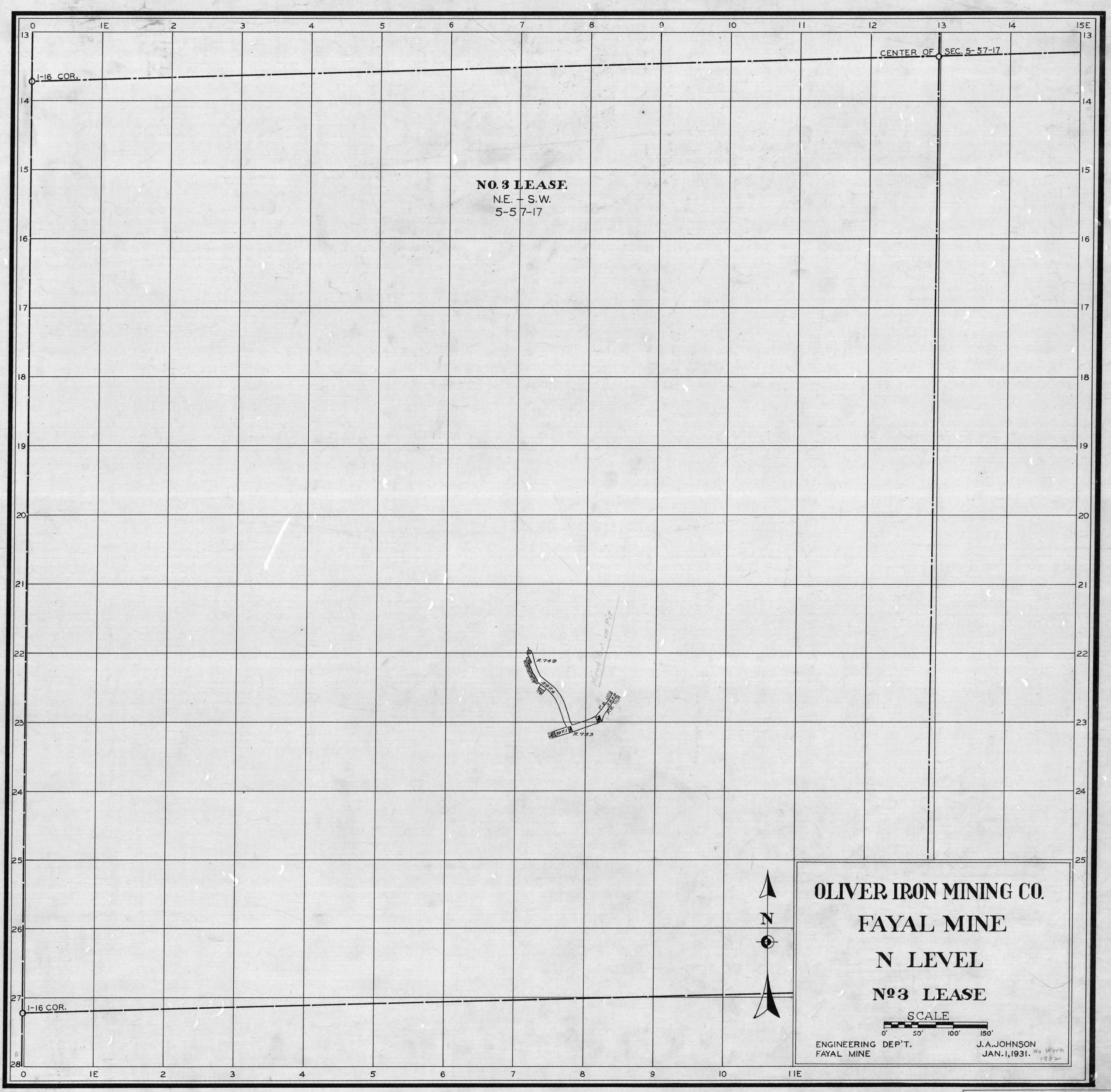

Nº 3 LEASE
NE OF S.W.
SEC 5-57-17
FAYAL MINE
J-SUB
SCALE 1"=50'
W.A.R.
JULY 21 1930

Nº 8 LEASE
SW-NW 5-37-17
FEE
SE-NW 5-37-17
Nº 3 LEASE
NW-SW
NE-SW
5-37-17
OLIVER IRON MINING CO
FAYAL MINE
Nº 3 SHAFT
"N" LEVEL
SCALE

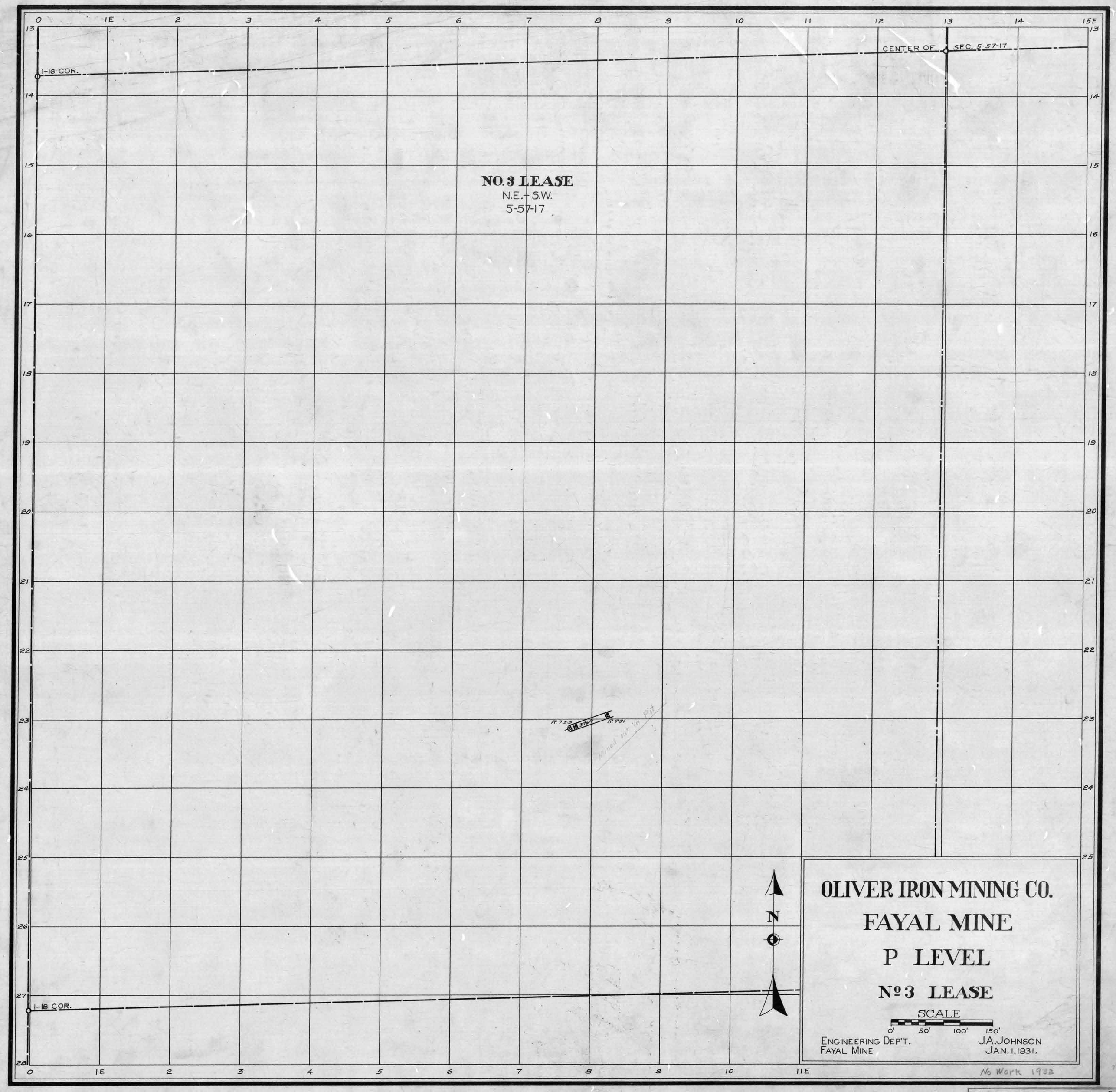



#3 Lease

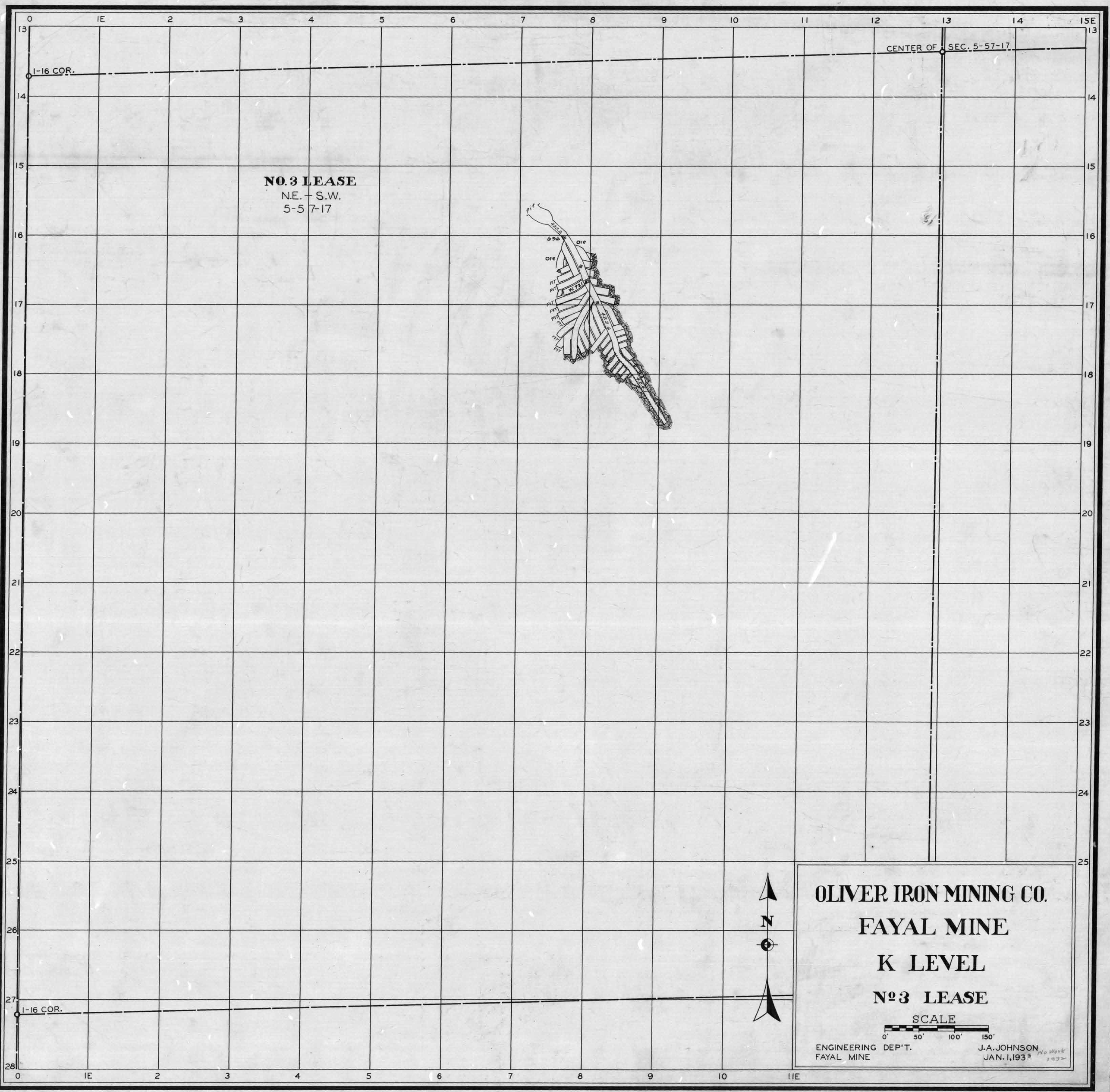
NO 5992 CASE 5 DWR. 20 CPT. — FILE 7



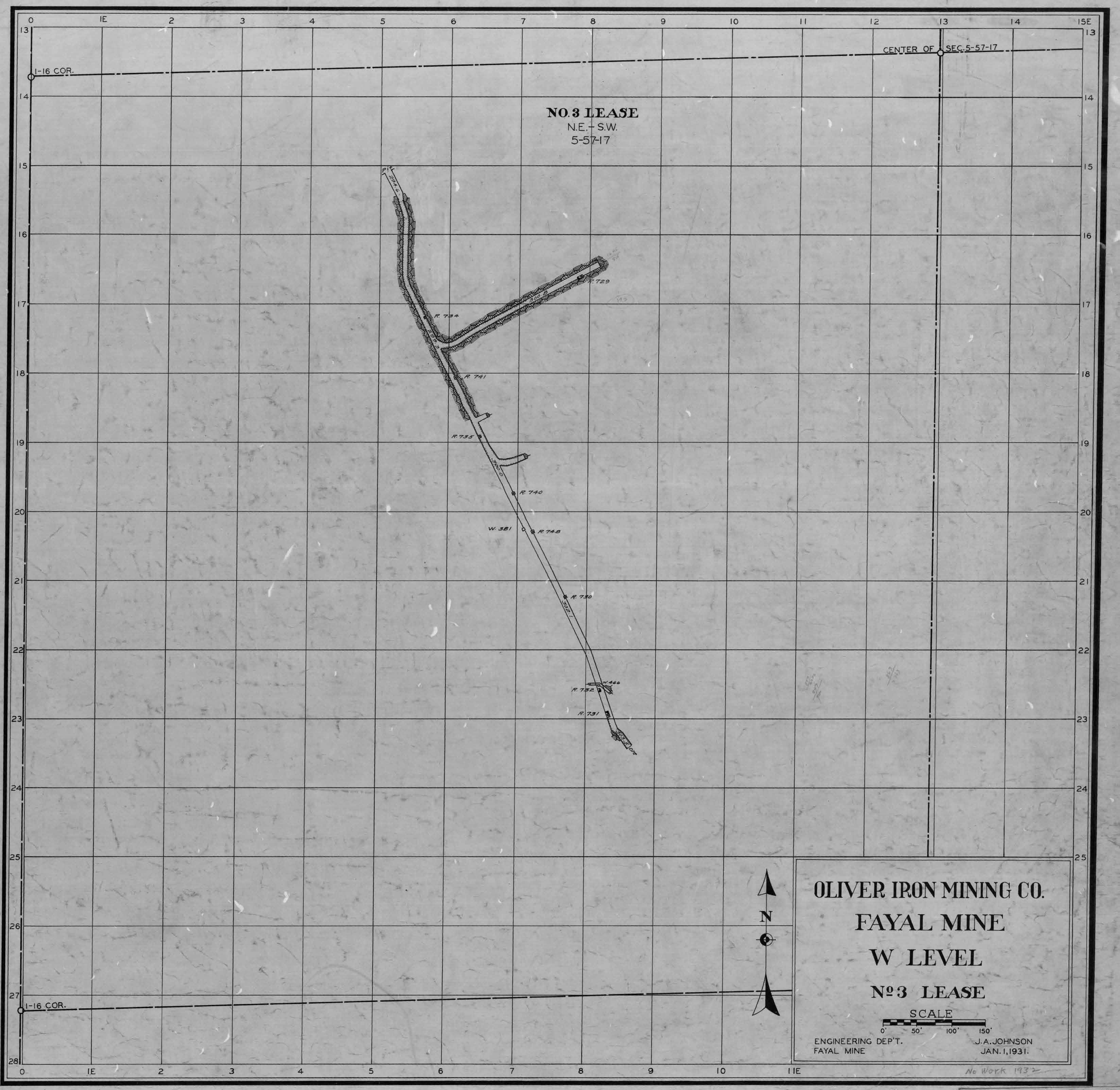

NO 5993 CASE 5 DWR. 20 CPT. FILE 71
#3 Lease



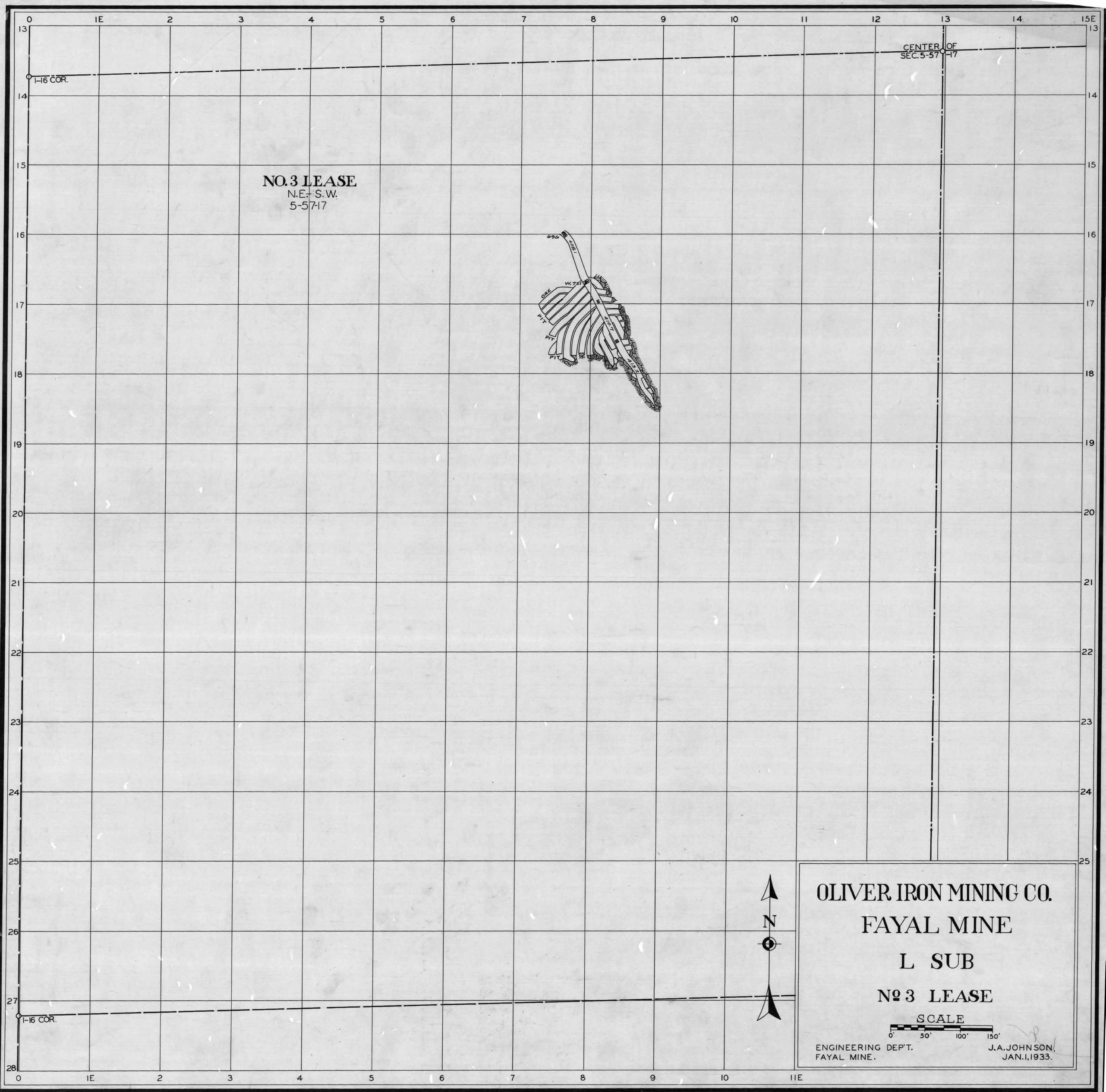

NO 5995 CASE 5 DWR. 20 CPT. FILE 74



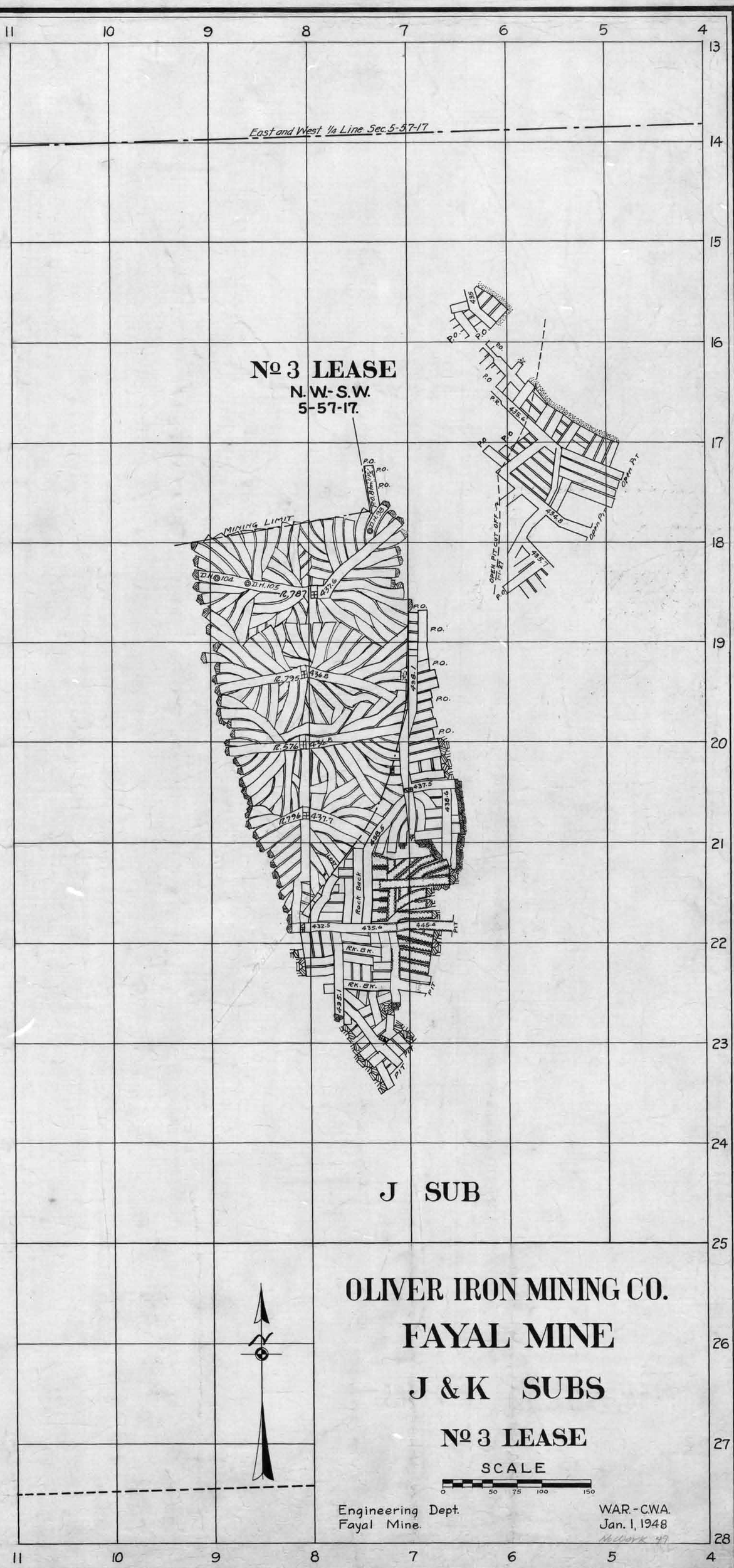

NO. 5990 CASE 5 DWR. 20 CPT. – FILE
#3 Lease




NO. 5998 CASE 5 DWR. 20 CPT. - FIL 77
#3 Lease

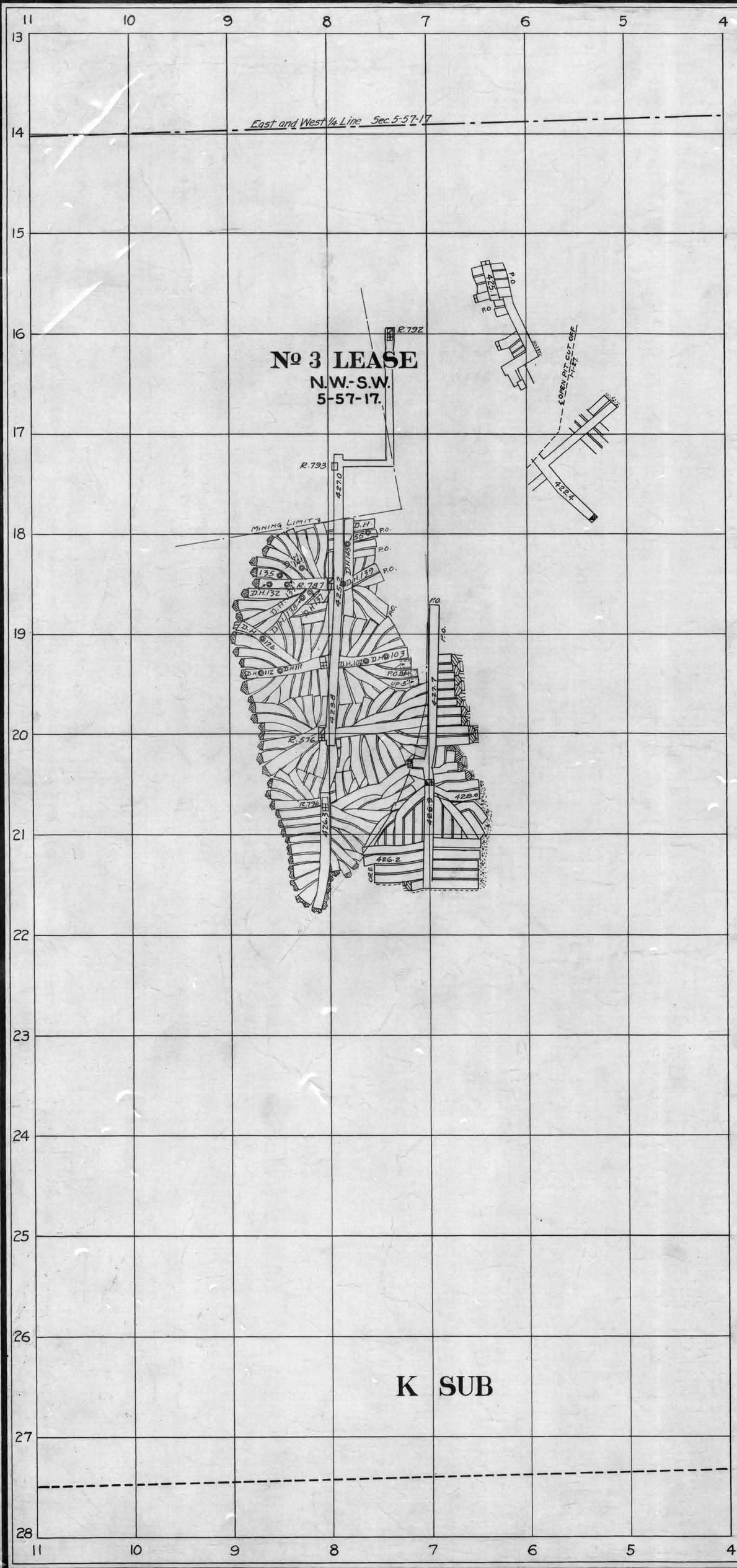


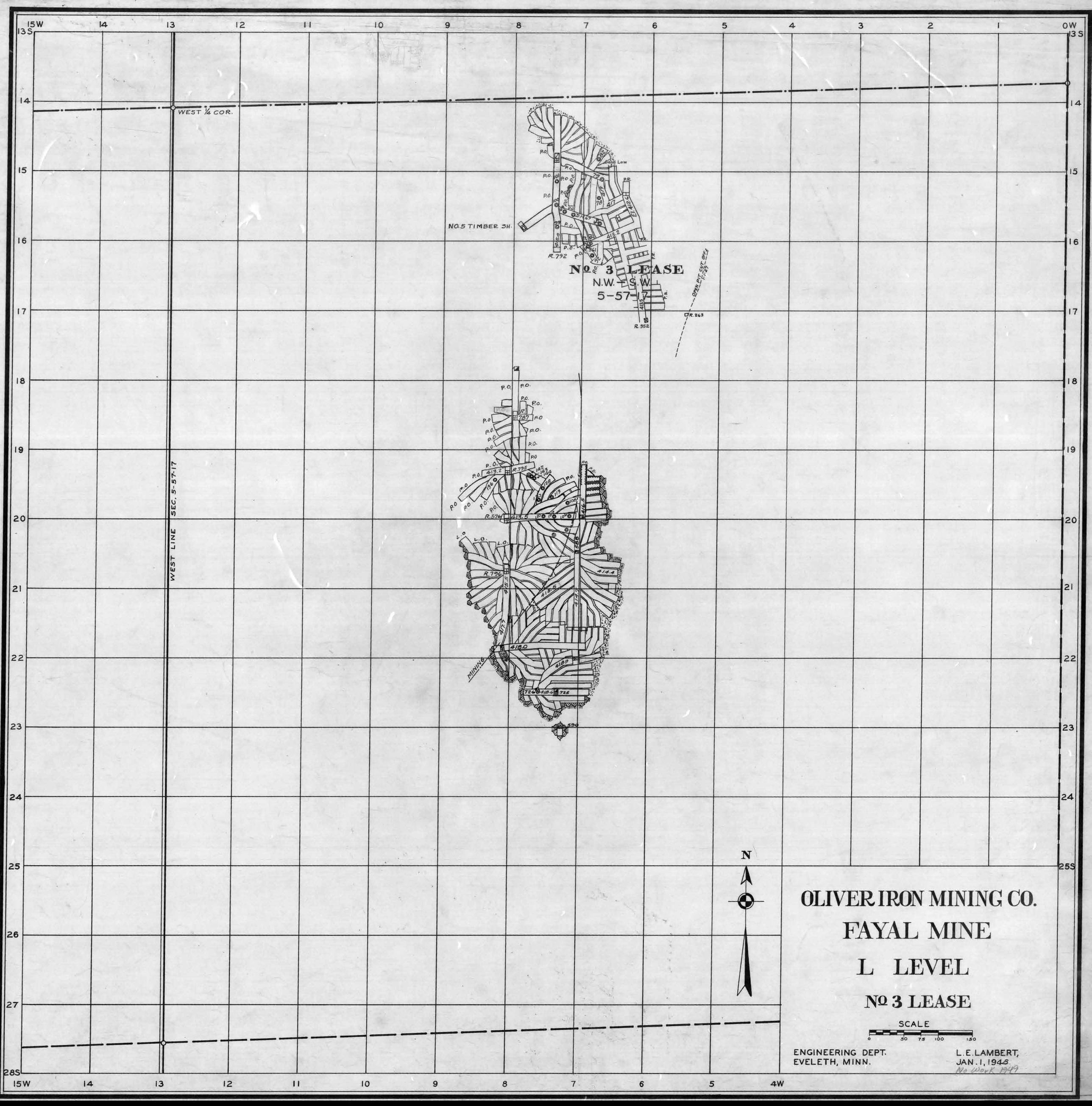

NO 5991 CASE 5 DWR. 20 CPT. FILE 69

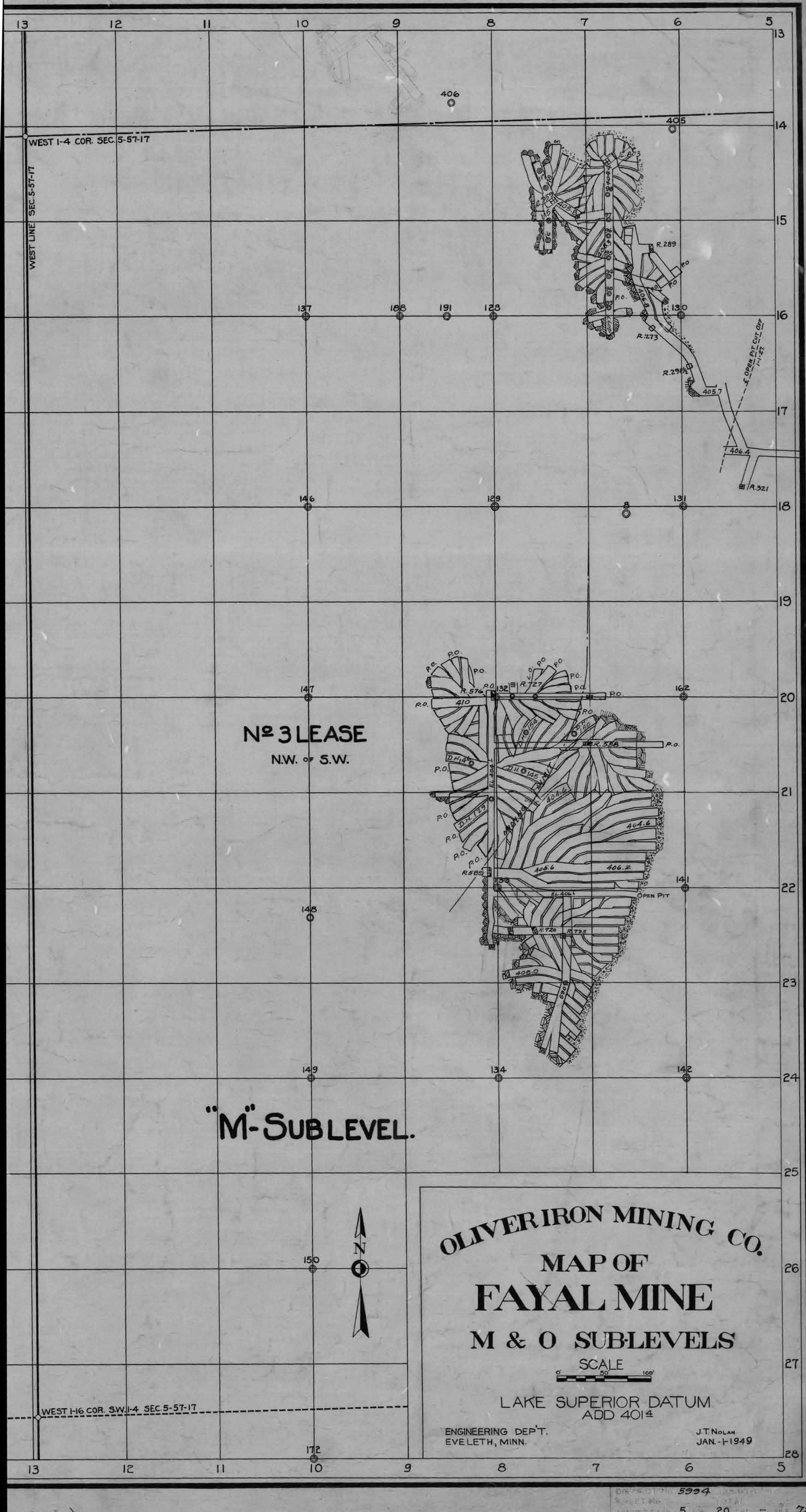



#3 Lease

DISTRICT No. 5989 LOCATION No.
SHEET No. TOTAL

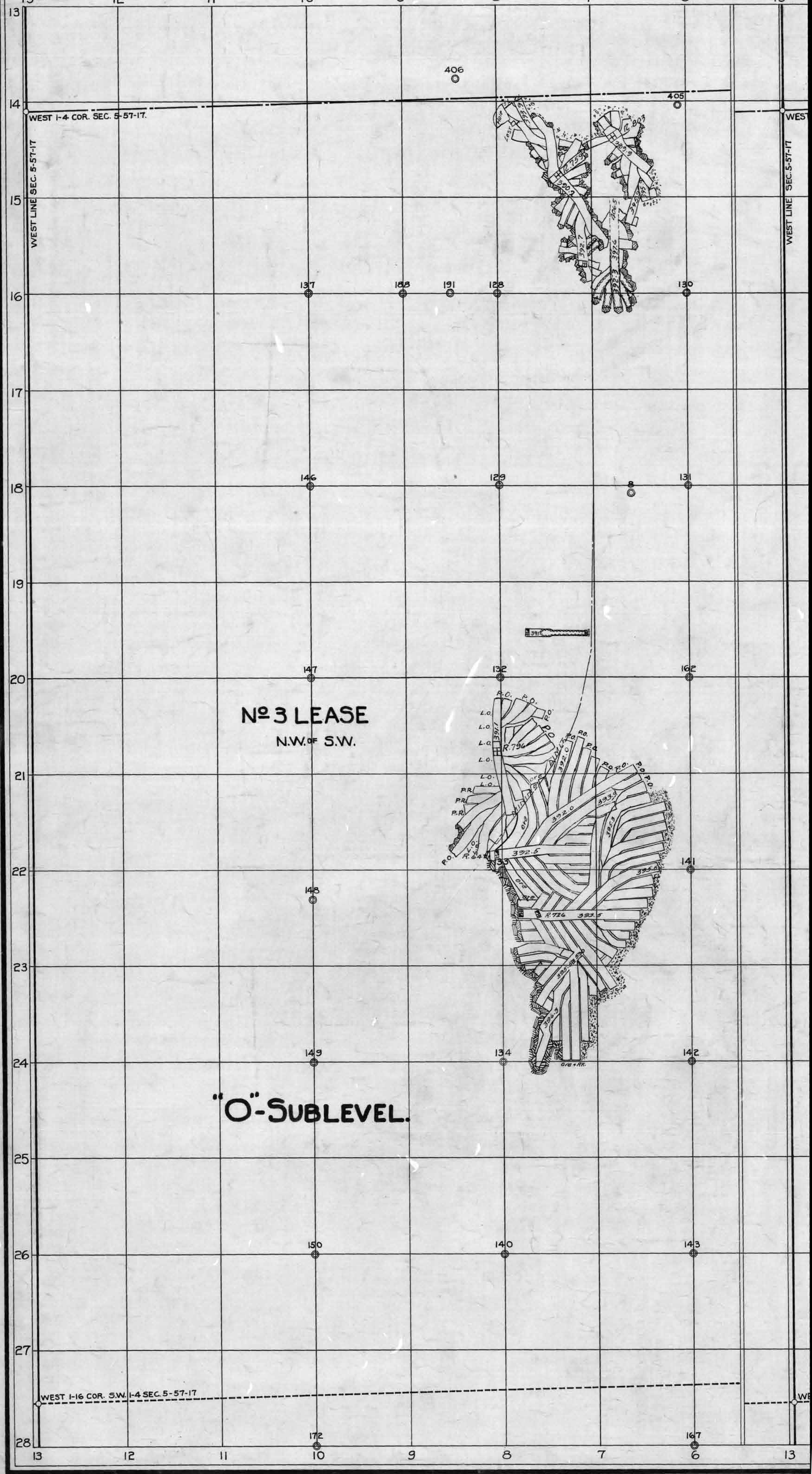

East and West ¼ Line Sec. 5-57-17
№ 3 LEASE
N.W.-S.W.
5-57-17.
R.792
R.793
R.787
R.576
R.796
MINING LIMIT
D.H.
P.O.
OPEN PIT CUT OFF
K SUB

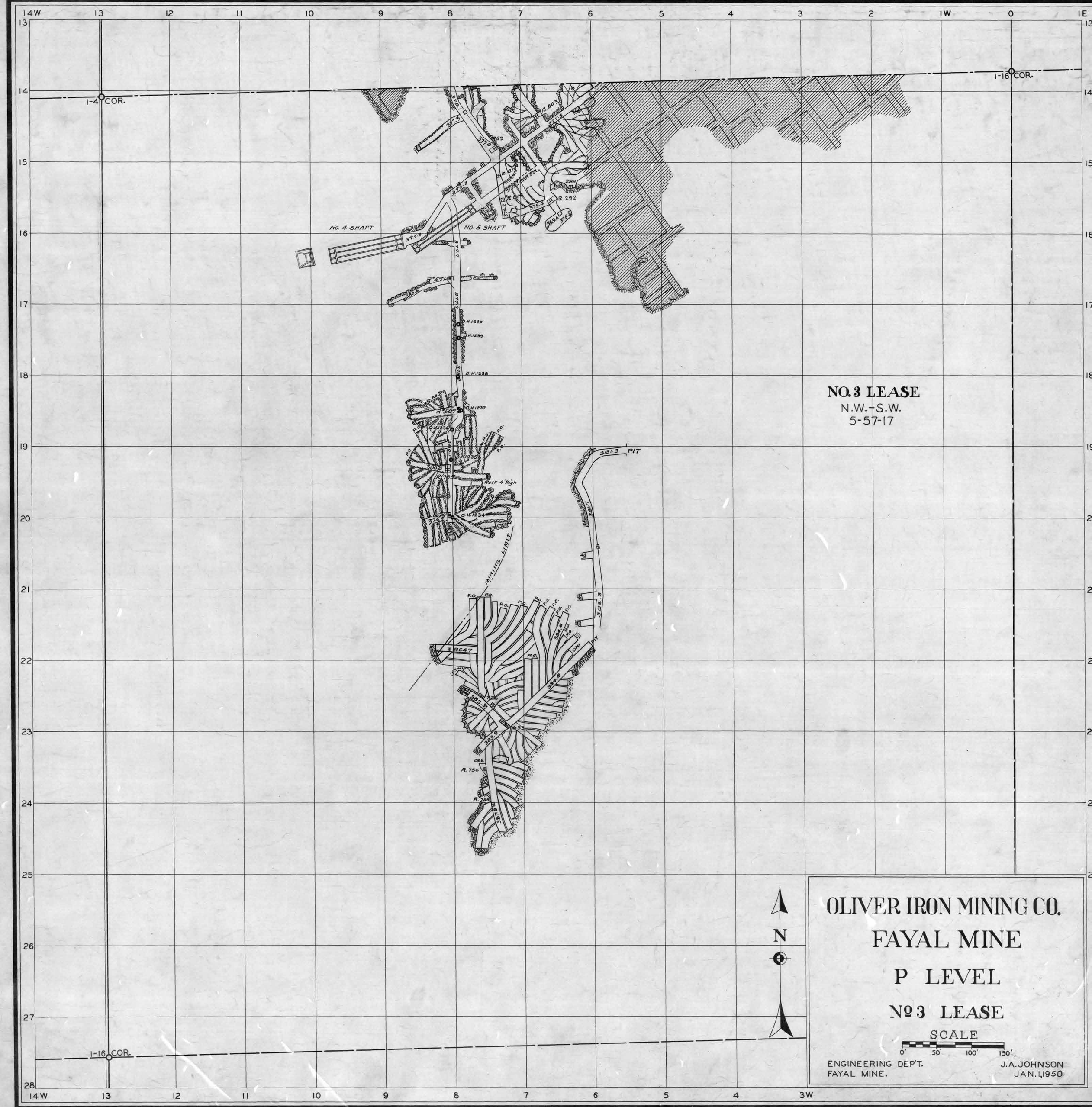

WEST 1/4 COR.
WEST LINE SEC. 5-57-17
NO. 5 TIMBER 3H.
Sand Low
No 3 LEASE
N.W. - S.W.
5-57-17
OPEN PIT CUT OFF
MINING
N
OLIVER IRON MINING CO.
FAYAL MINE
L LEVEL
No 3 LEASE
SCALE
0 50 75 100 150
ENGINEERING DEPT.
EVELETH, MINN.
L. E. LAMBERT,
JAN. 1, 1948
No Work 1949



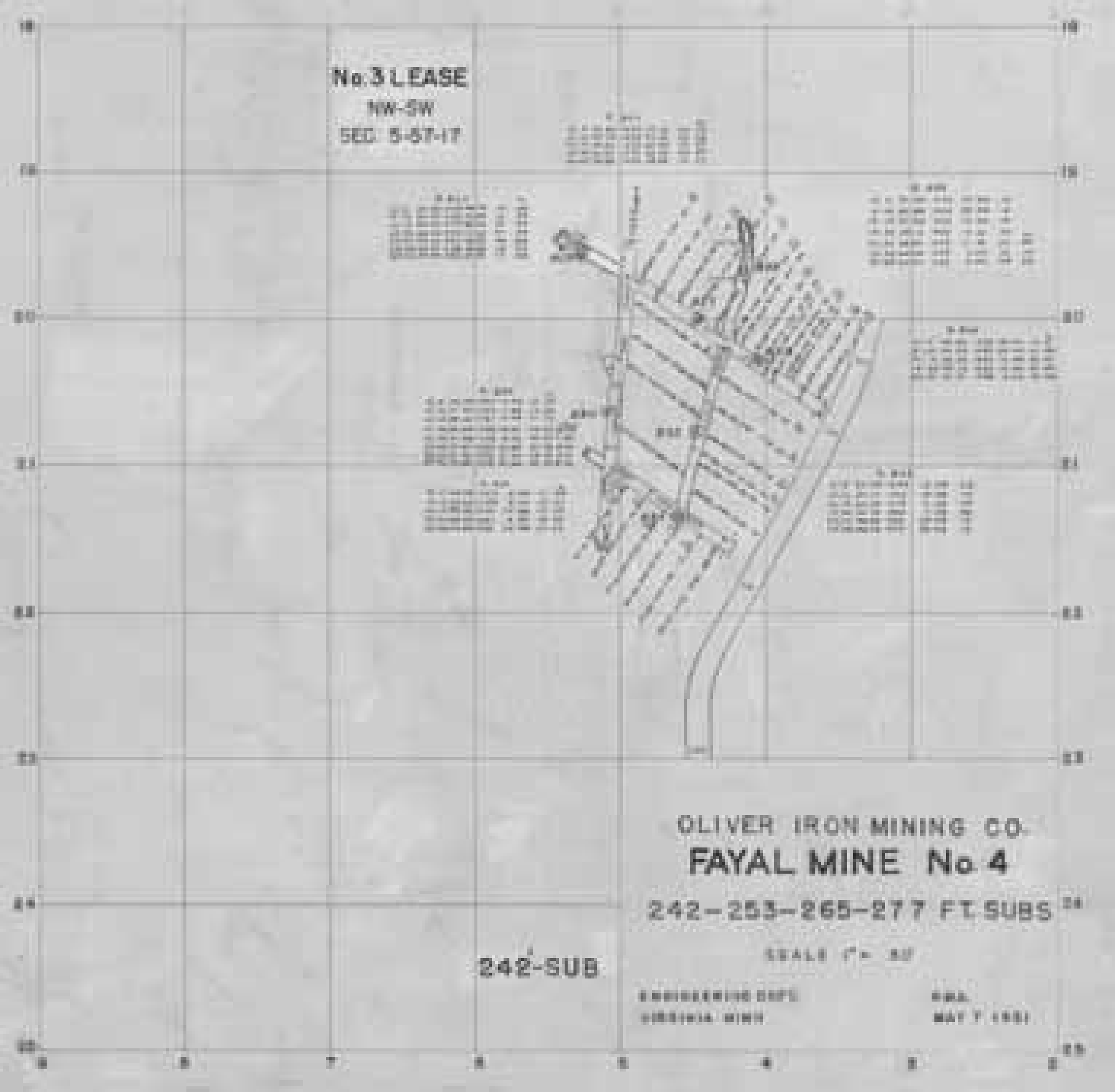

"M"-SUB LEVEL.

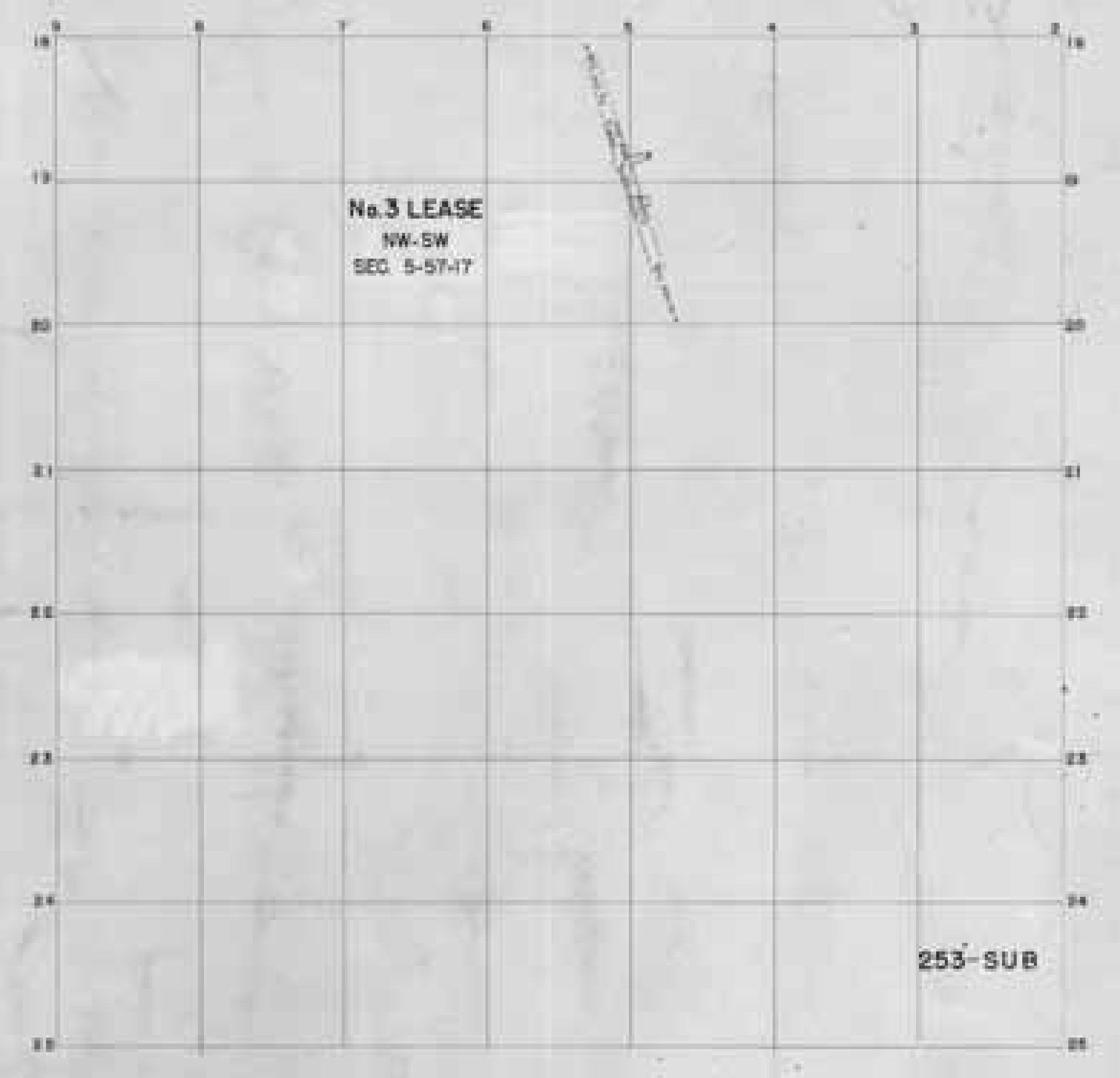
DISTRICT No. 5994
SHEET No.
TRACING CASE 5 20 72
#3 Lease

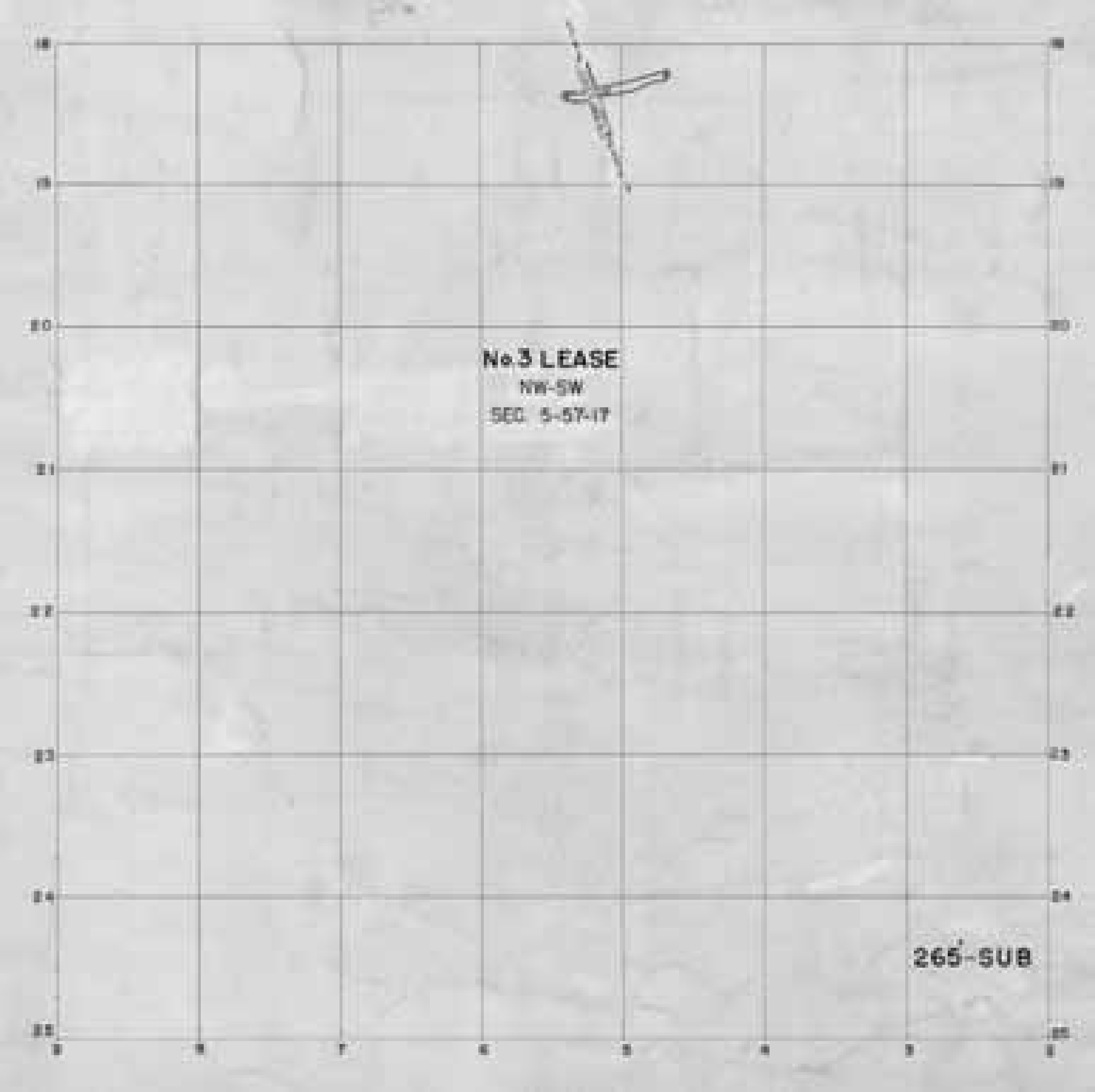

WEST 1-4 COR. SEC. 5-57-17.
WEST LINE SEC. 5-57-17
WEST LINE SEC. 5-57-17
WEST 1-16 COR. S.W. 1-4 SEC. 5-57-17
№ 3 LEASE
N.W. OF S.W.
"O"-SUBLEVEL.
406
405
137
188
191
128
130
146
129
8
131
147
132
162
141
148
149
134
142
150
140
143
172
167

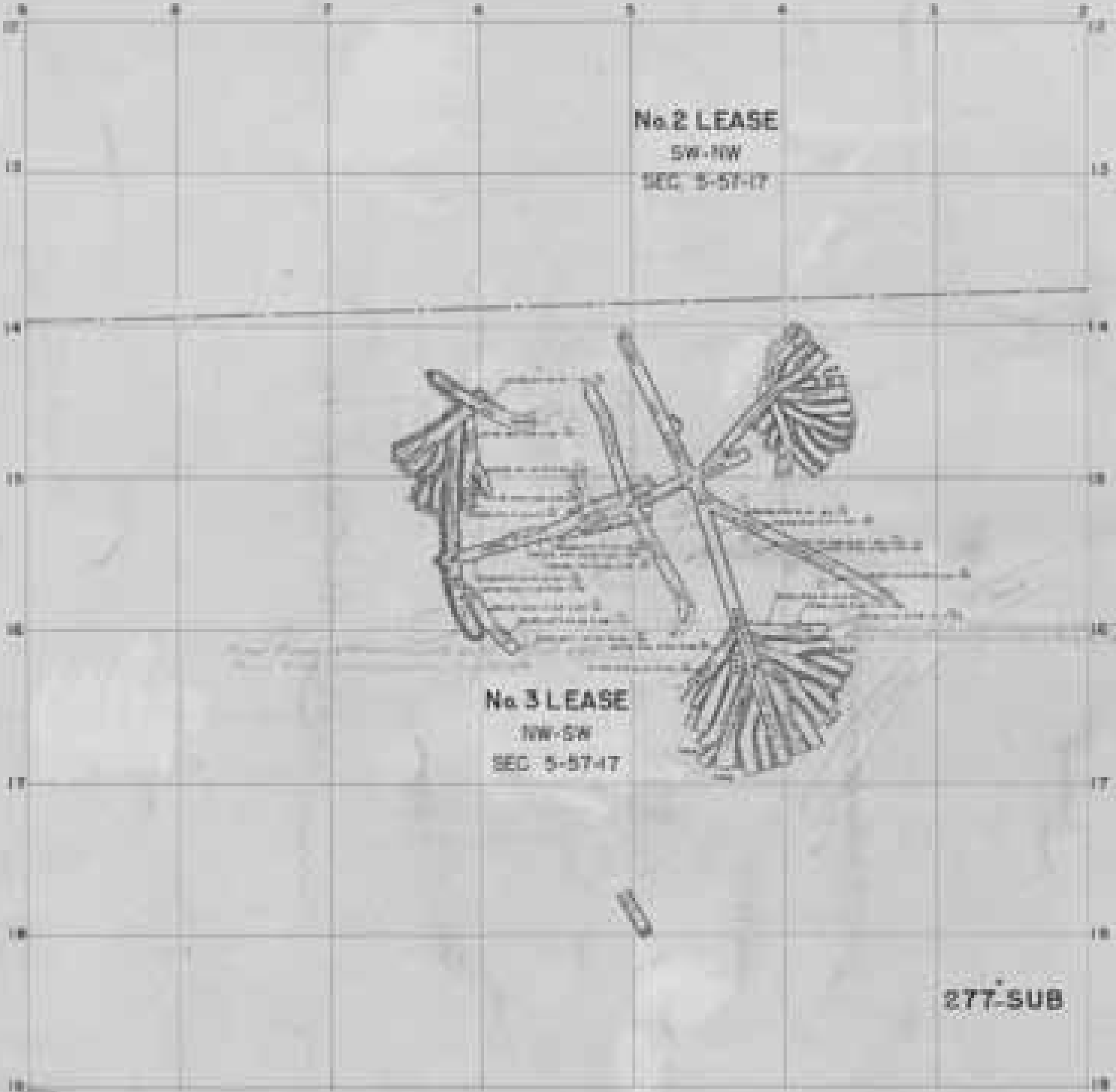


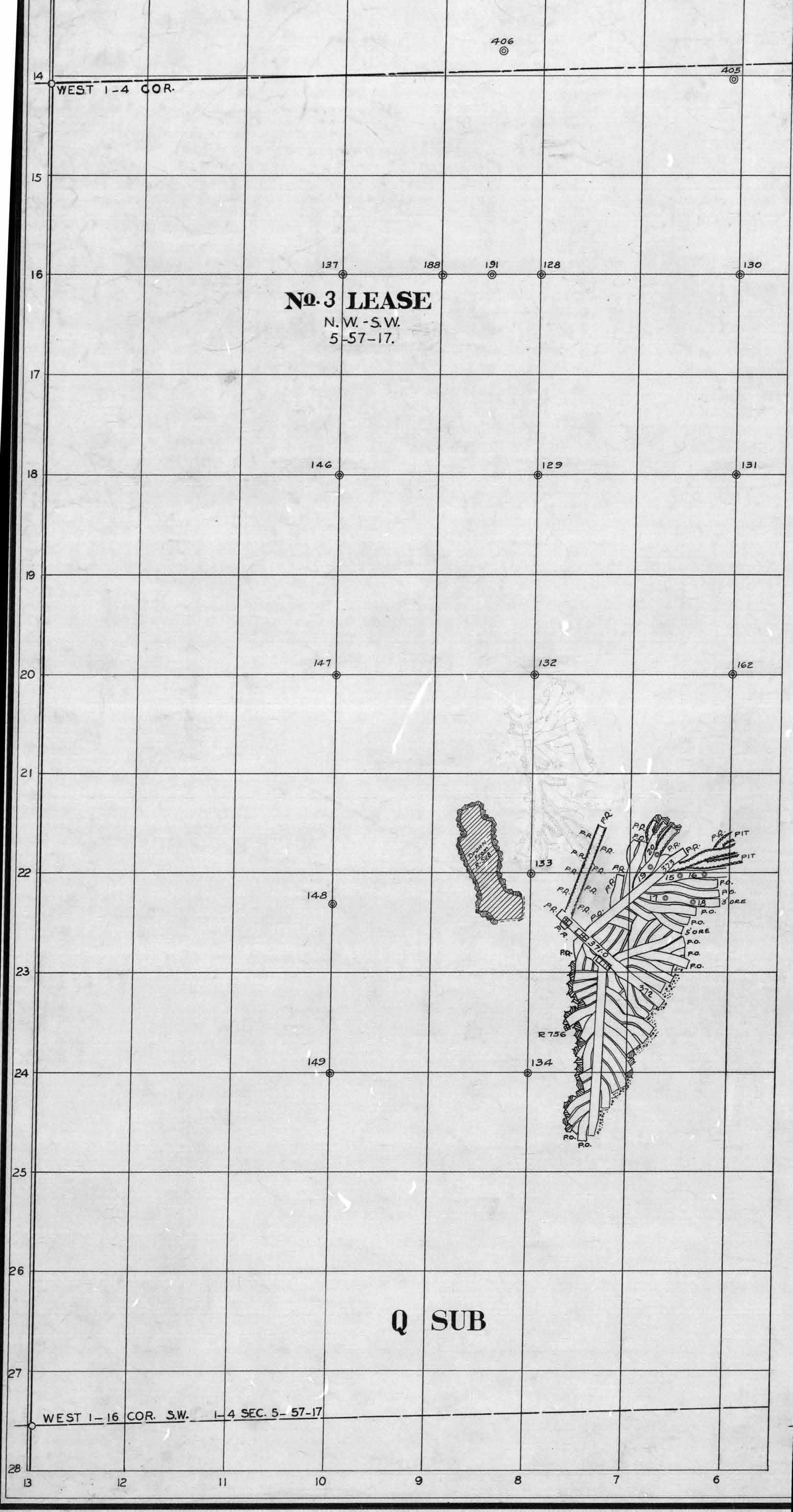

NO. 5995 CASE 5 DWR. 20 CPT. FILE 73

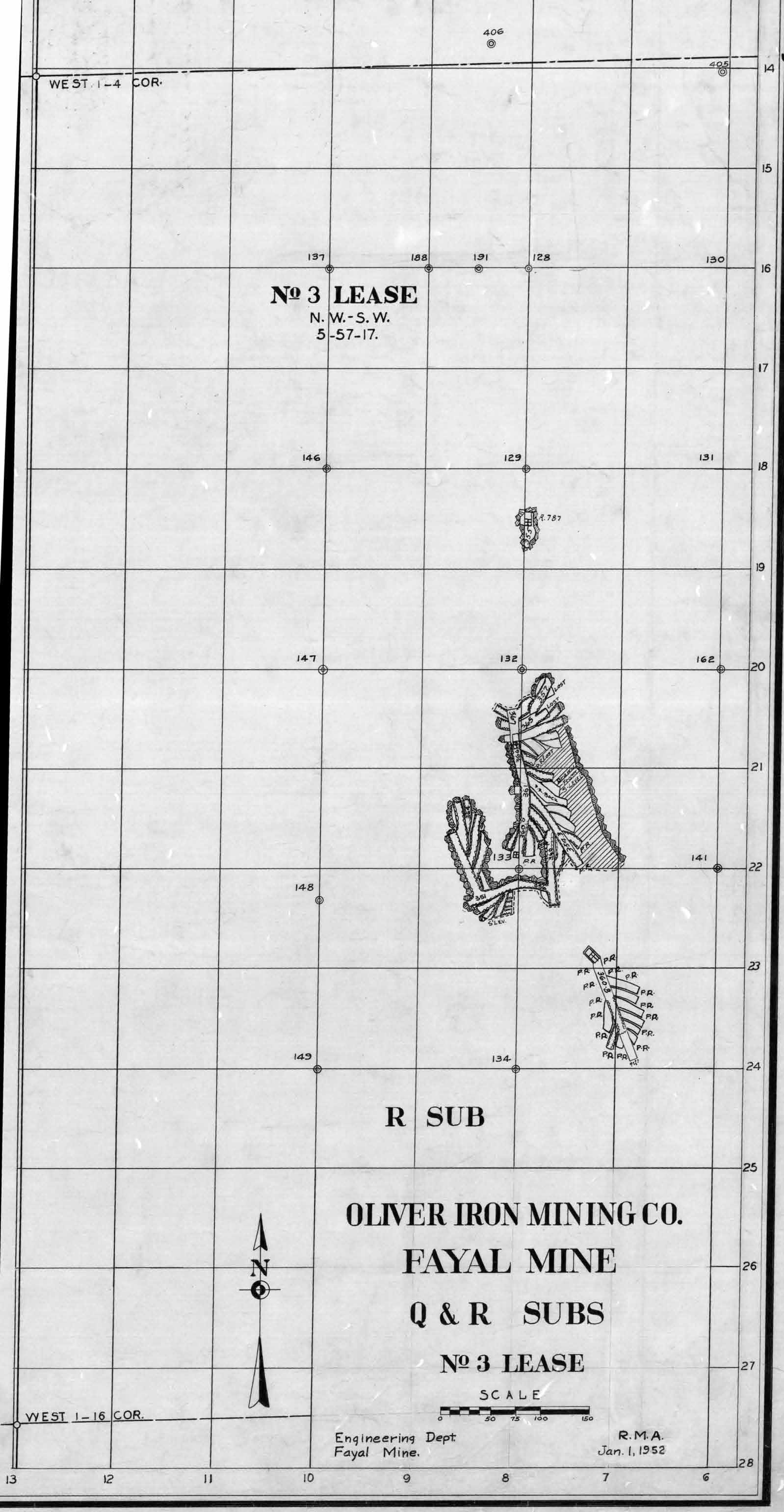

No. 3 LEASE
NW-SW
SEC. 5-57-17
OLIVER IRON MINING CO.
FAYAL MINE No. 4
242-253-265-277 FT. SUBS
242'-SUB

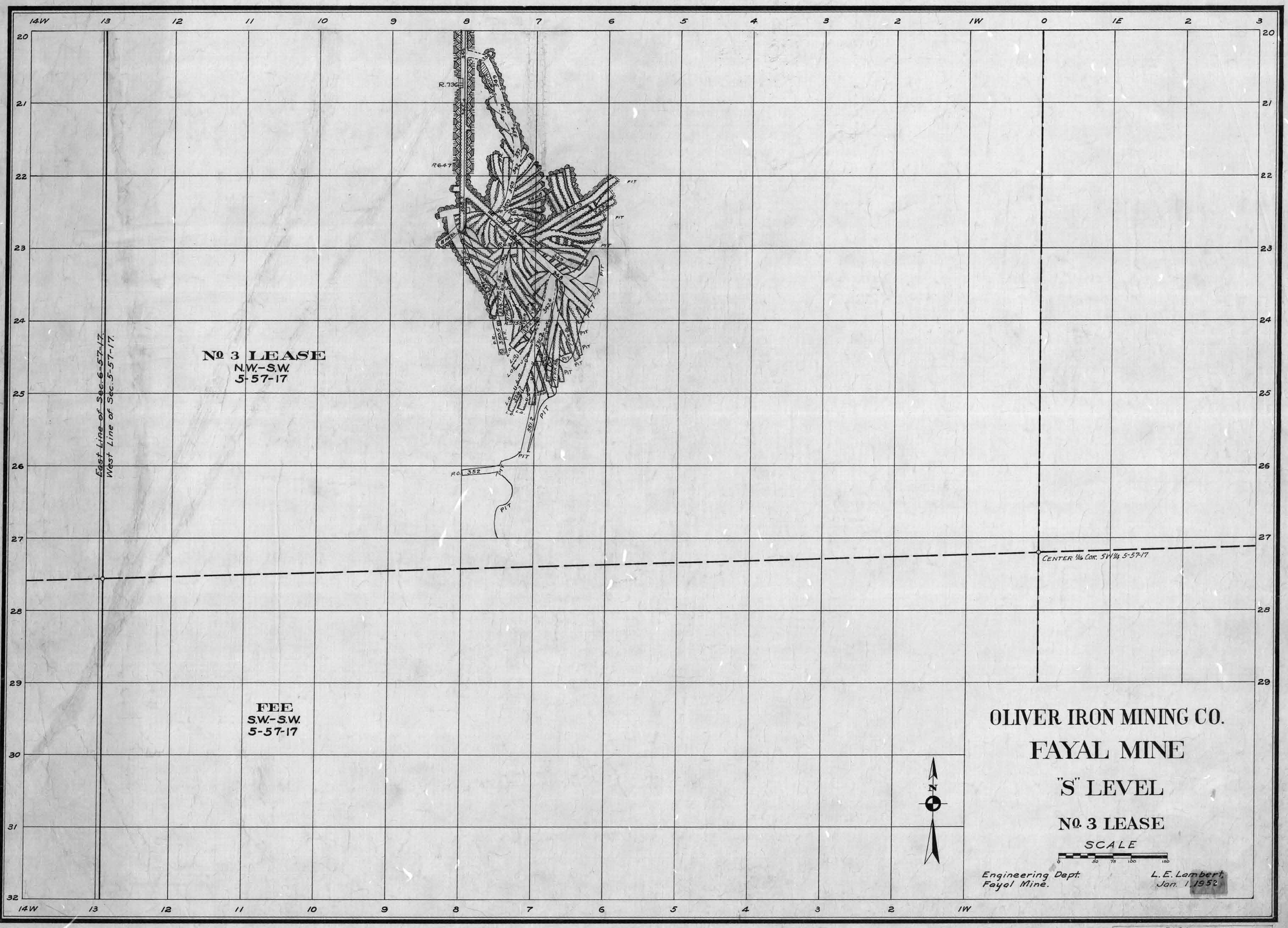

No.3 LEASE
NW-SW
SEC. 5-57-17
253-SUB


No.3 LEASE
NW-SW
SEC. 5-57-17
265'-SUB

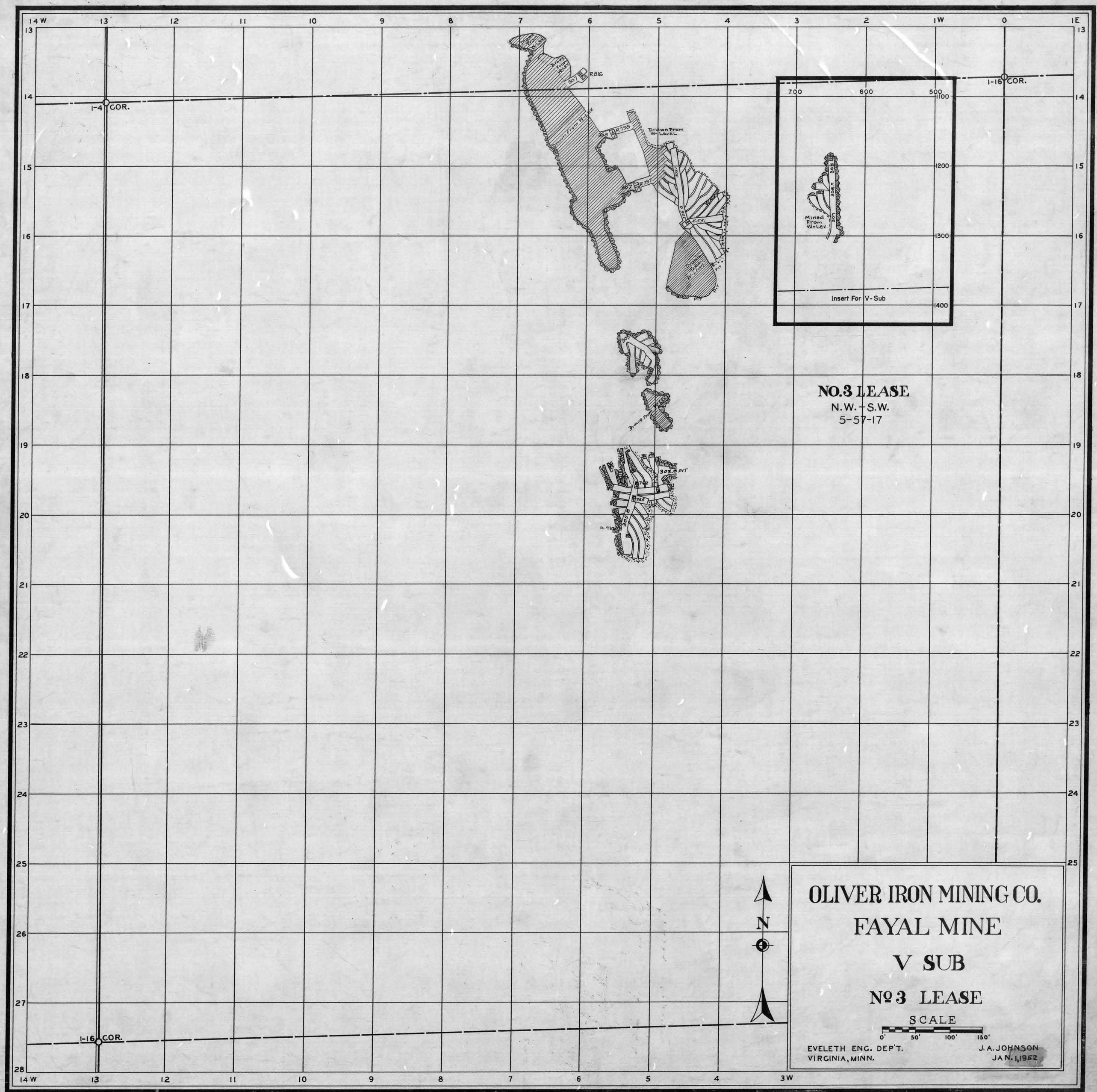

No. 2 LEASE
SW-NW
SEC. 5-57-17
No. 3 LEASE
NW-SW
SEC. 5-57-17
277-SUB


406
405
WEST 1-4 COR.
137
188
191
128
130
No. 3 LEASE
N.W.-S.W.
5-57-17.
146
129
131
147
132
162
133
148
149
134
Down-Cast R. Sub.
P.R.
P.O.
PIT
PIT
3'ORE
5'ORE
3710
3772
R 756
Q SUB
WEST 1-16 COR. S.W. 1-4 SEC. 5-57-17
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
13
12
11
10
9
8
7
6

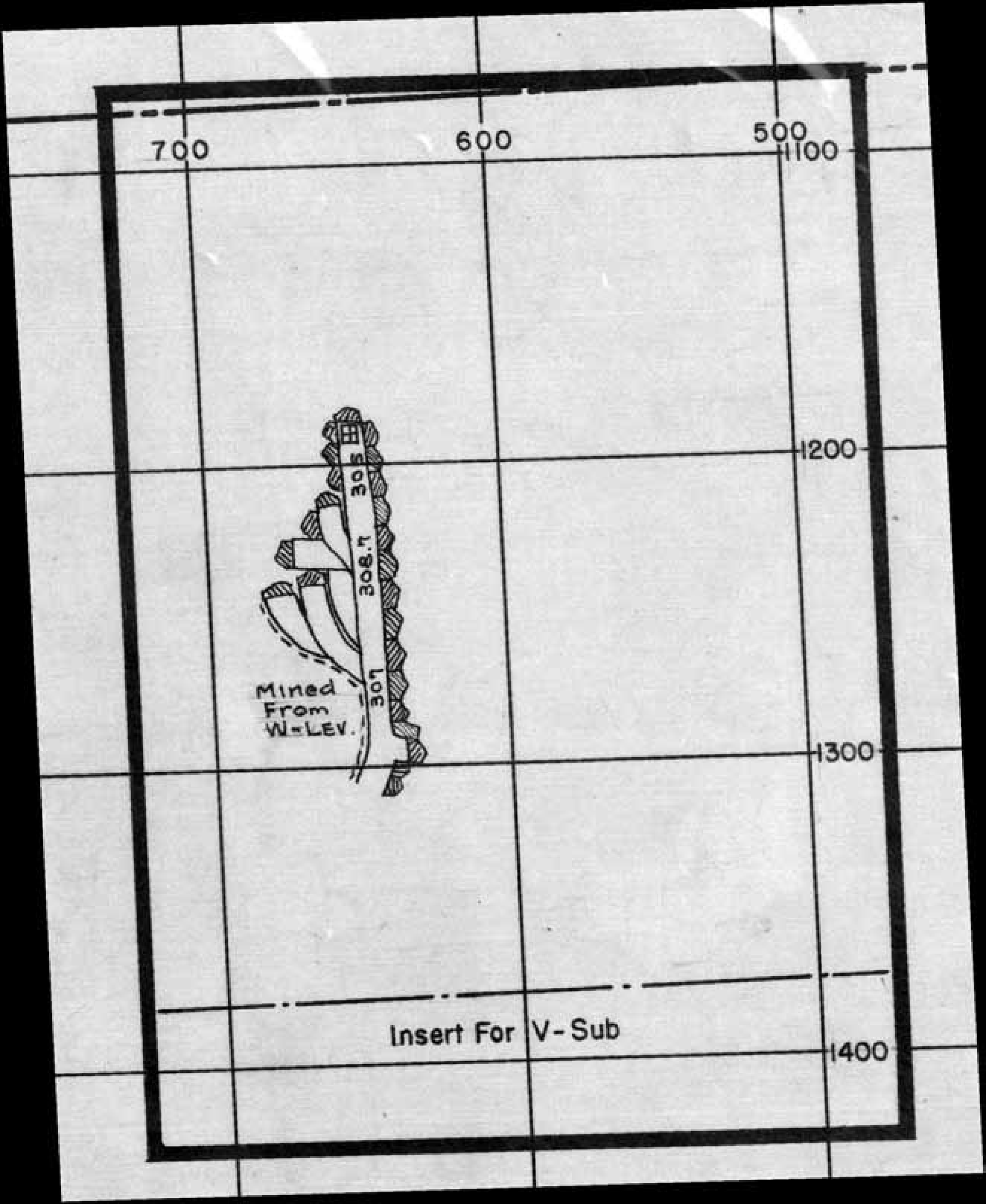

406
405
WEST 1-4 COR.
137
188
191
128
130
№ 3 LEASE
N.W.-S.W.
5-57-17.
146
129
131
2.787
147
132
162
133
141
148
149
134
R SUB
OLIVER IRON MINING CO.
FAYAL MINE
Q & R SUBS
№ 3 LEASE
N
SCALE
0 50 75 100 150
WEST 1-16 COR.
Engineering Dept.
Fayal Mine.
R.M.A.
Jan. 1, 1952
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
13
12
11
10
9
8
7
6




DISTRICT No 5996 DULUTH No
SHEET No 5 20 75
7-13-71
#3 Lea



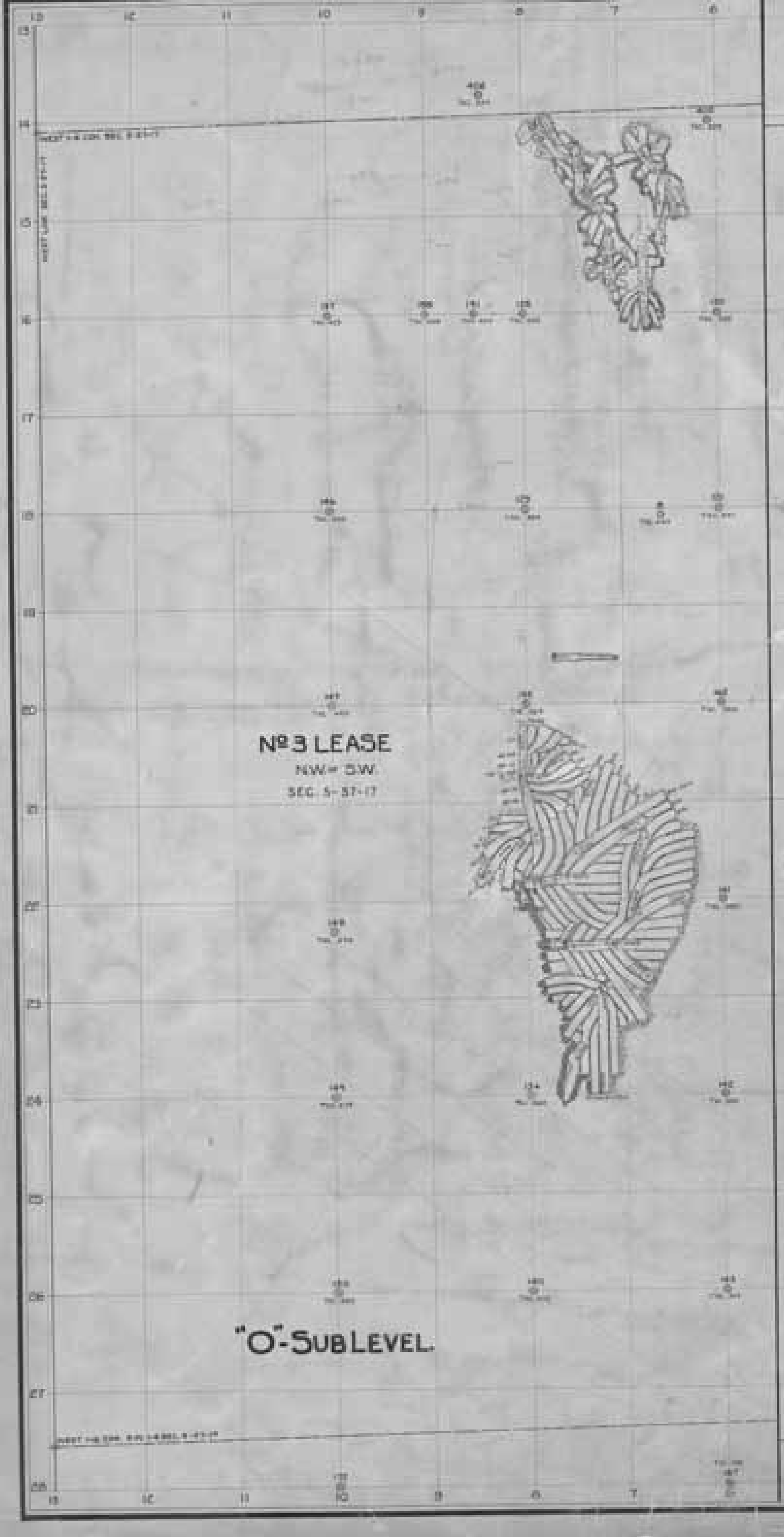

NO. 5997 DRWR. 5 DRWR. 20 OPT. FILE 76

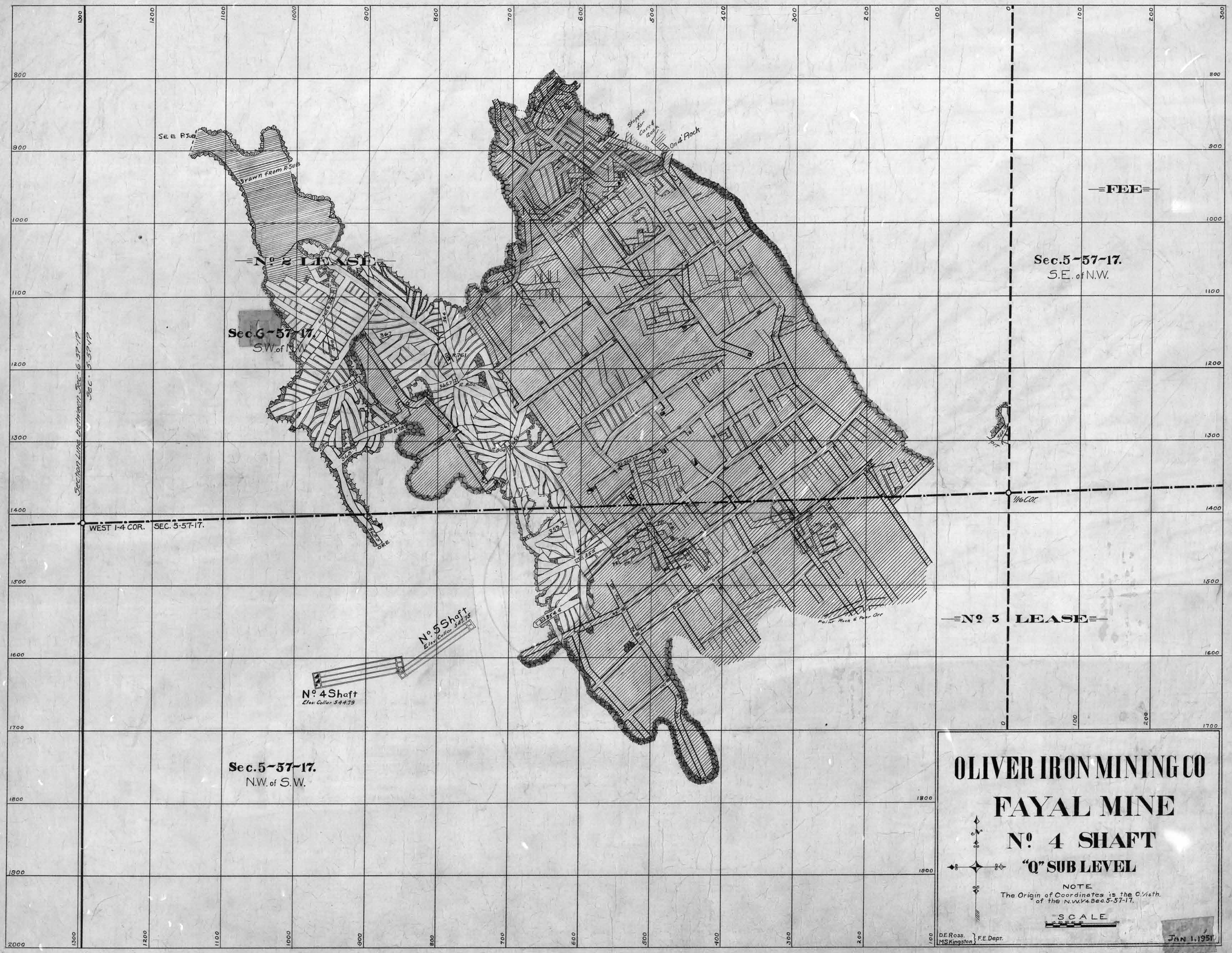

700
600
500
1100
1200
1300
1400
308
308 ft.
307
Mined
From
W-LEV.
Insert For V-Sub

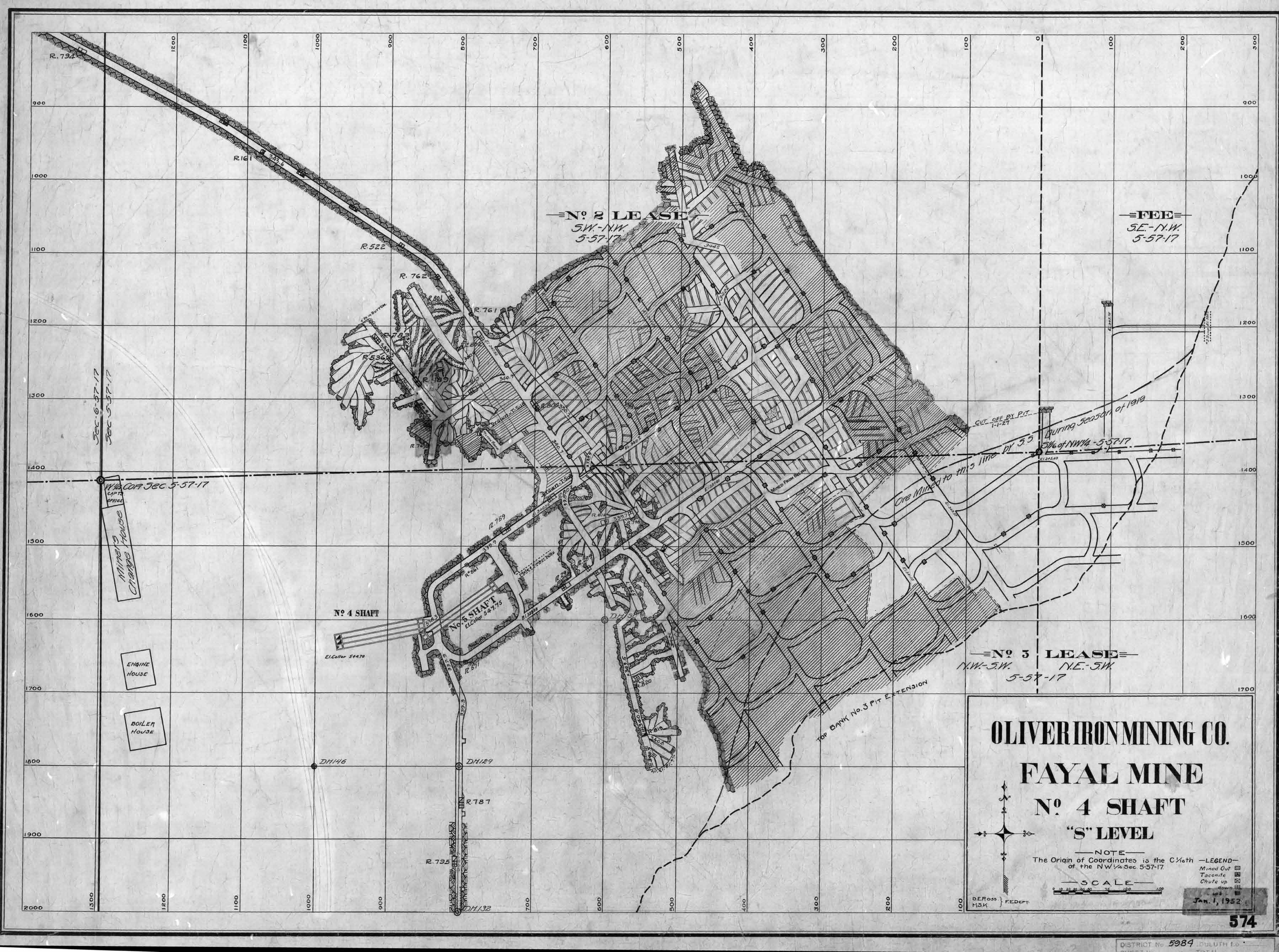
No 3 LEASE
N.W. or S.W.
SEC. 5-57-17
"M"-SUB LEVEL.

Nº 3 LEASE
NW ¼ S.W.
SEC. 5-57-17
"O"-SUB LEVEL.

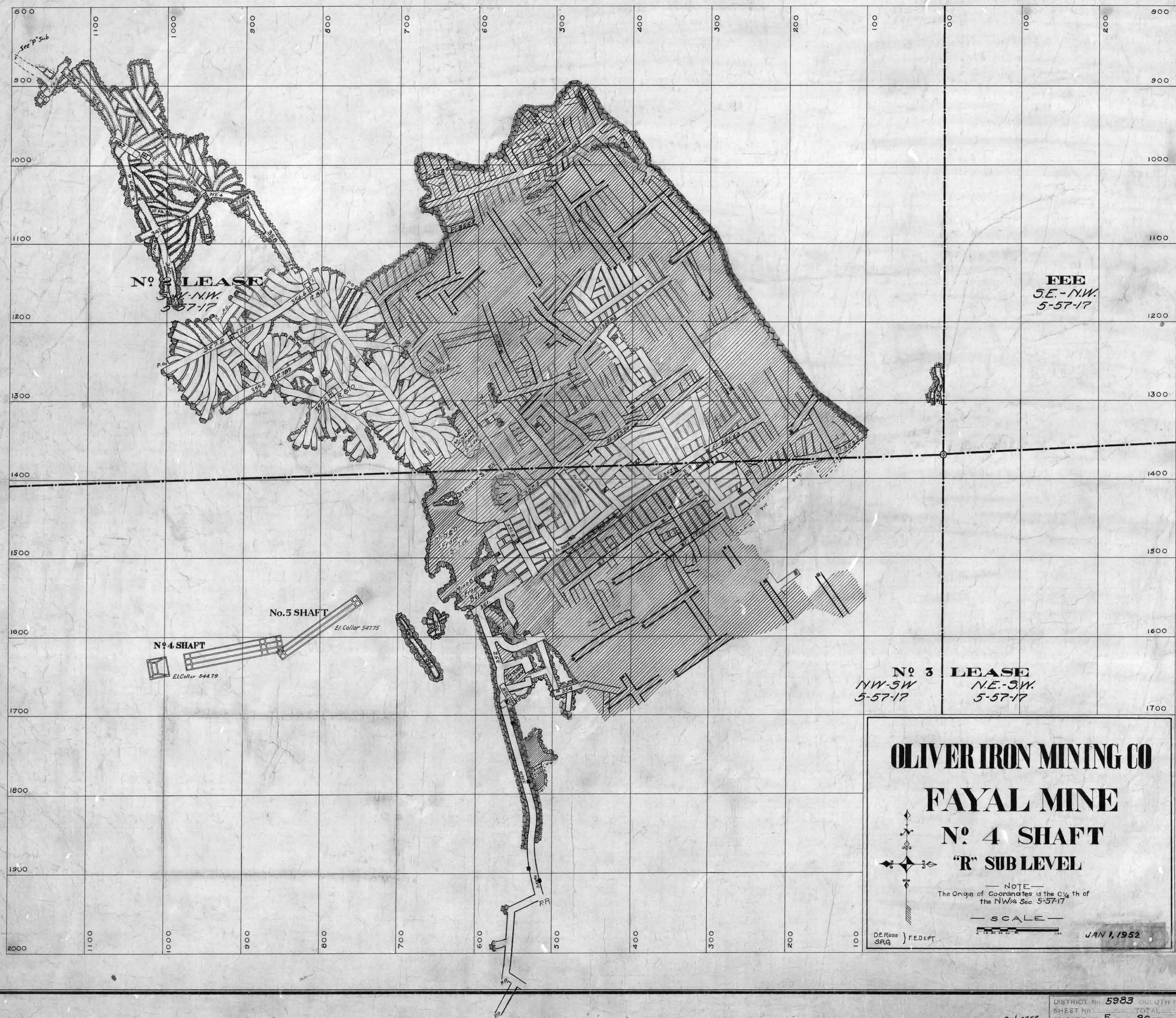
Nº 3 LEASE
NW ¼ S.W.
SEC. 5-57-17
"M"-SUB LEVEL.


Nº 3 LEASE
N.W.= S.W.
SEC. 5-37-17
"O"-SUB LEVEL.


OLIVER IRON MINING CO
FAYAL MINE
Nº 4 SHAFT
"Q" SUB LEVEL
NOTE
The Origin of Coordinates is the C.1/16th. of the N.W.1/4 Sec.5-57-17.
SCALE
D.E.Ross.
M.S.Kingston
F.E.Dept.
JAN 1.1951
Nº 2 LEASE
Nº 3 LEASE
FEE
Sec.6-57-17.
S.W. of N.W.
Sec.5-57-17.
S.E. of N.W.
Sec.5-57-17.
N.W. of S.W.
WEST 1-4 COR. SEC. 5-57-17.
1/16 COR.
Section Line between Sec. 6-57-17 Sec. 5-57-17
Nº 5 Shaft
Elev. Collar 541.75
Nº 4 Shaft
Elev. Collar 544.79
Stopped for Cave & Rock
On a Rock
Drawn from R.SUB
Point Rock & Poor Ore
DISTRICT No. 5982
DULUTH No.
5
20
59

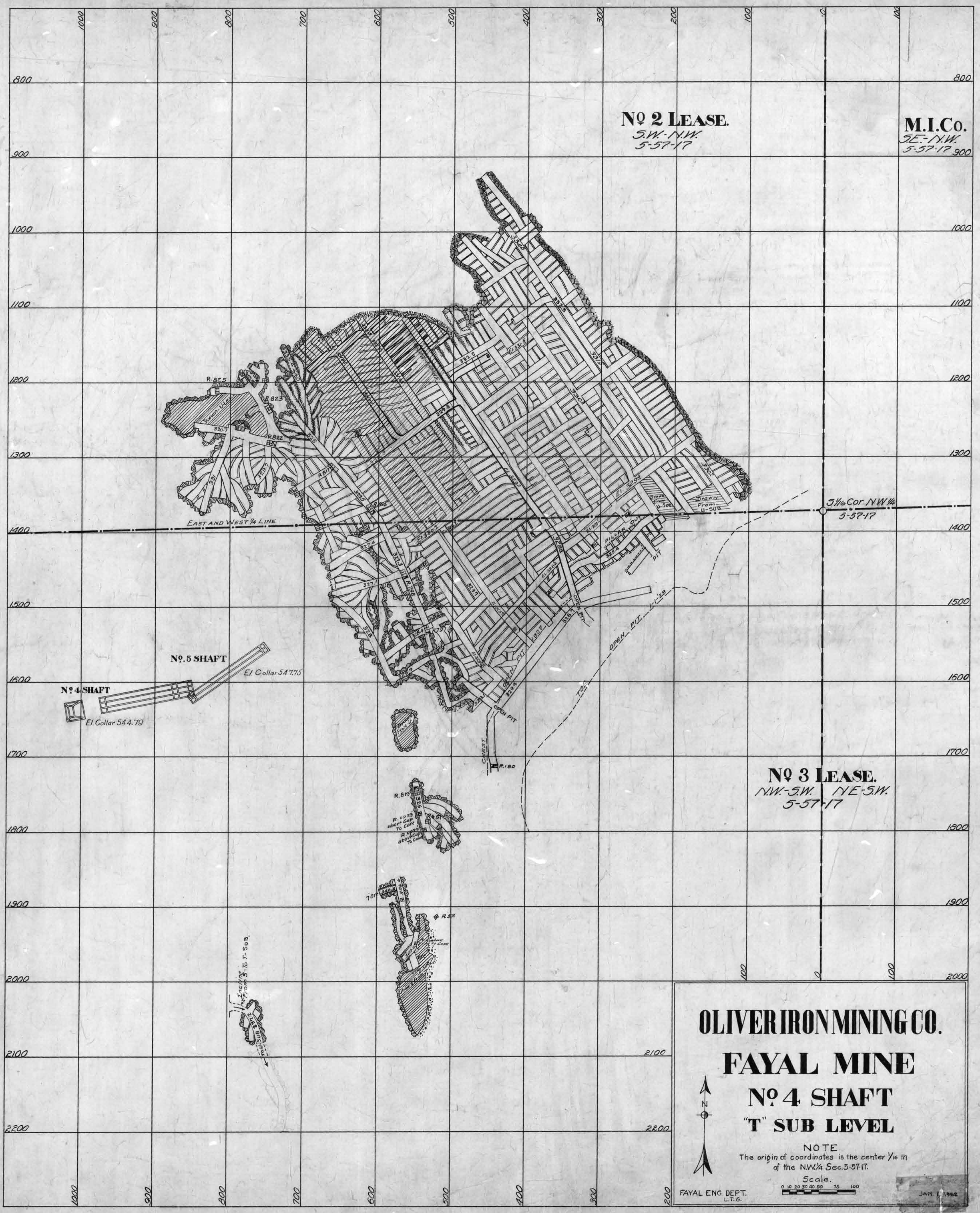



DISTRICT No. 5984 DULUTH

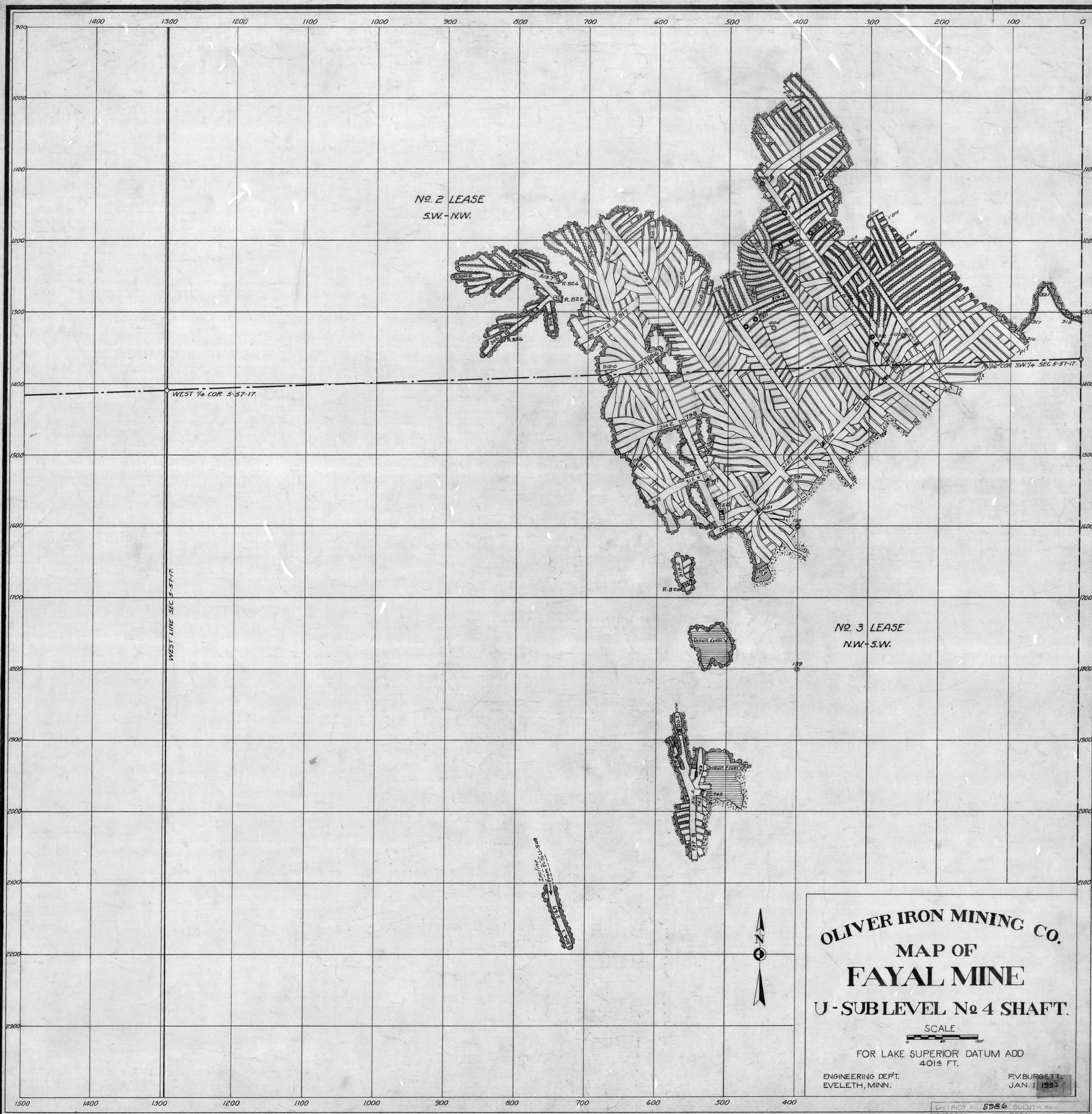



#243 Lease

DISTRICT No. 5983 DULUTH No.
SHEET No. TOTAL
TRACING CASE 5 DW 20 CM FILE 60
7-13-27

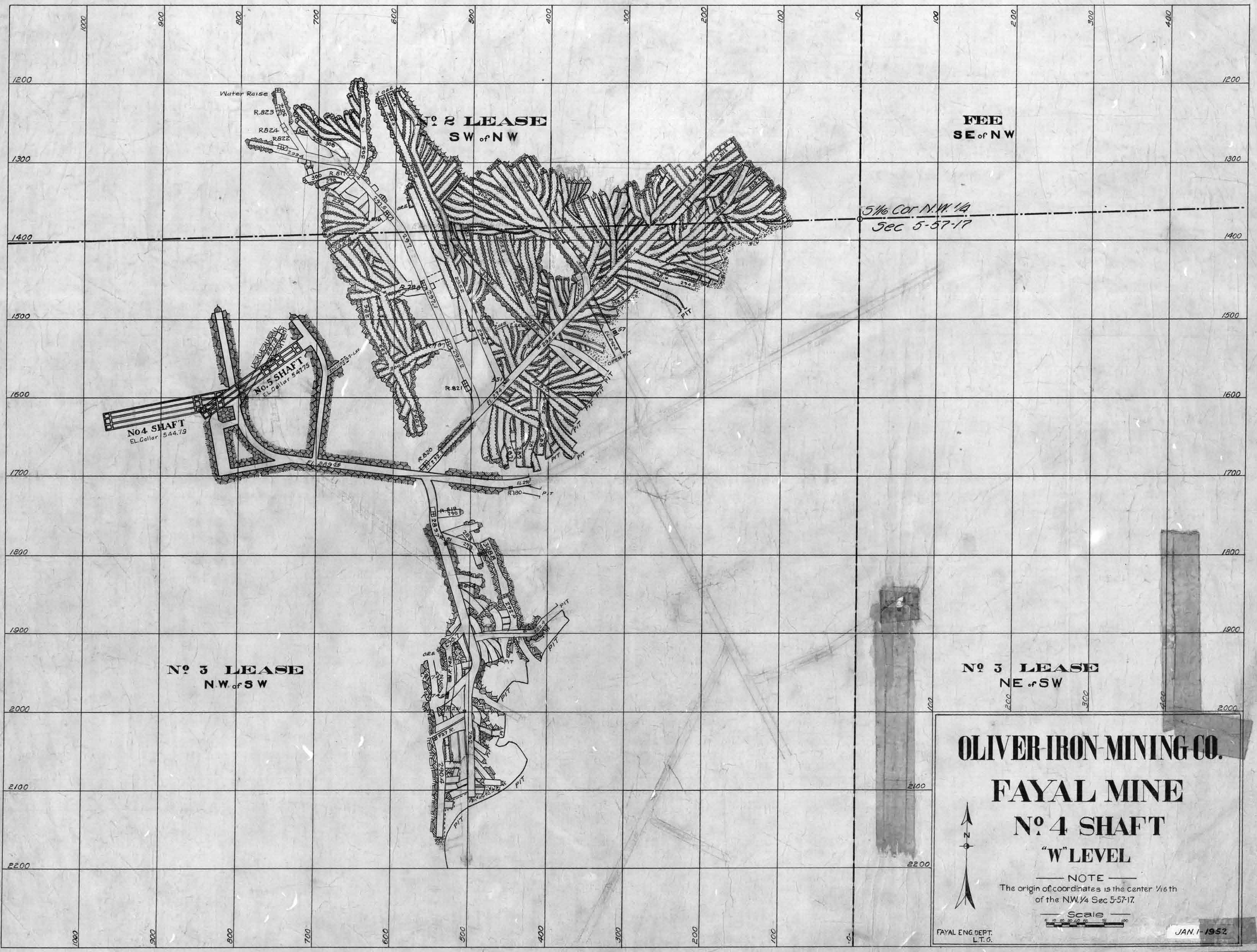



DISTRICT No. 5985 SUPUTR No.
SHEET No. TOTAL

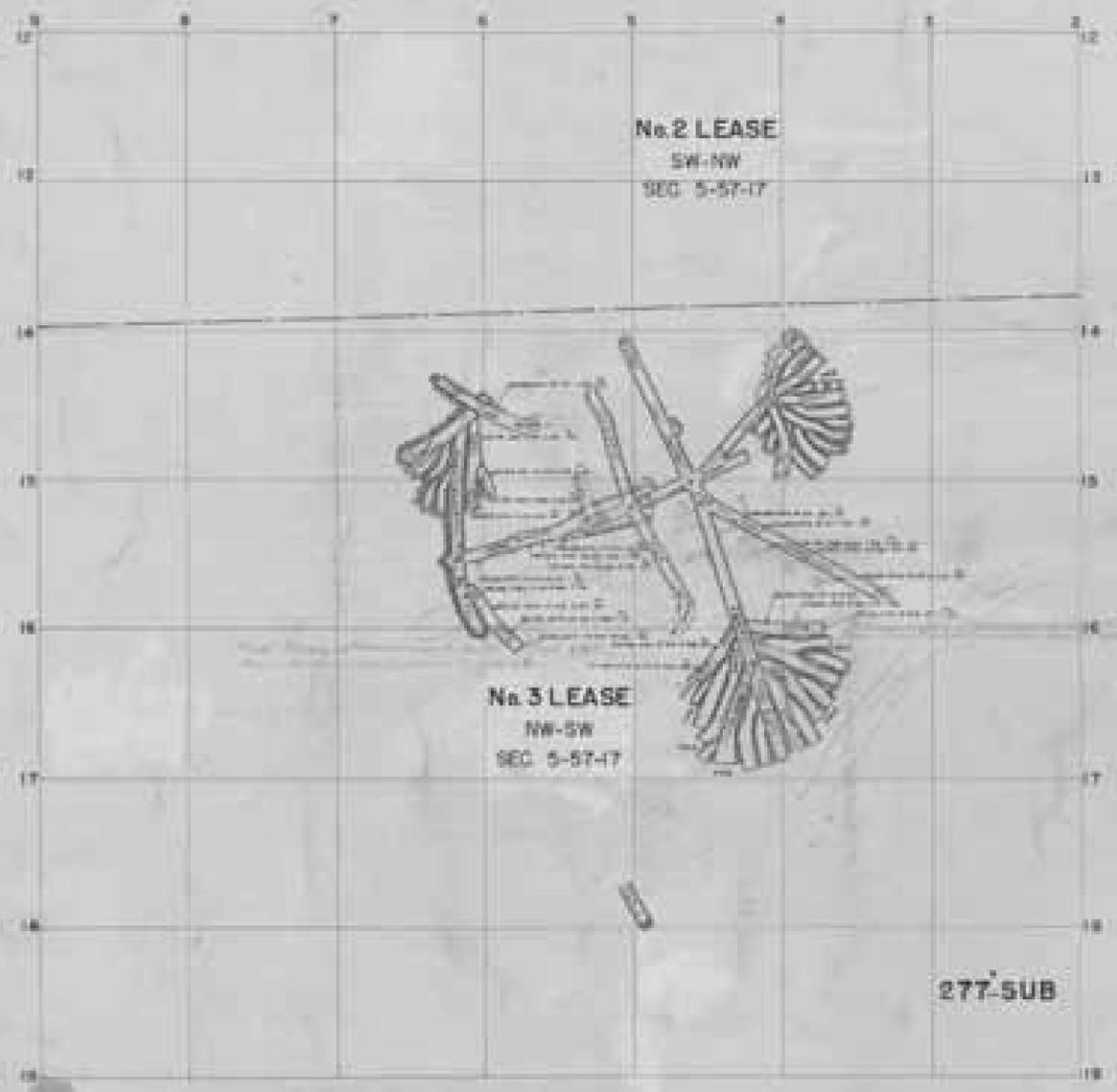


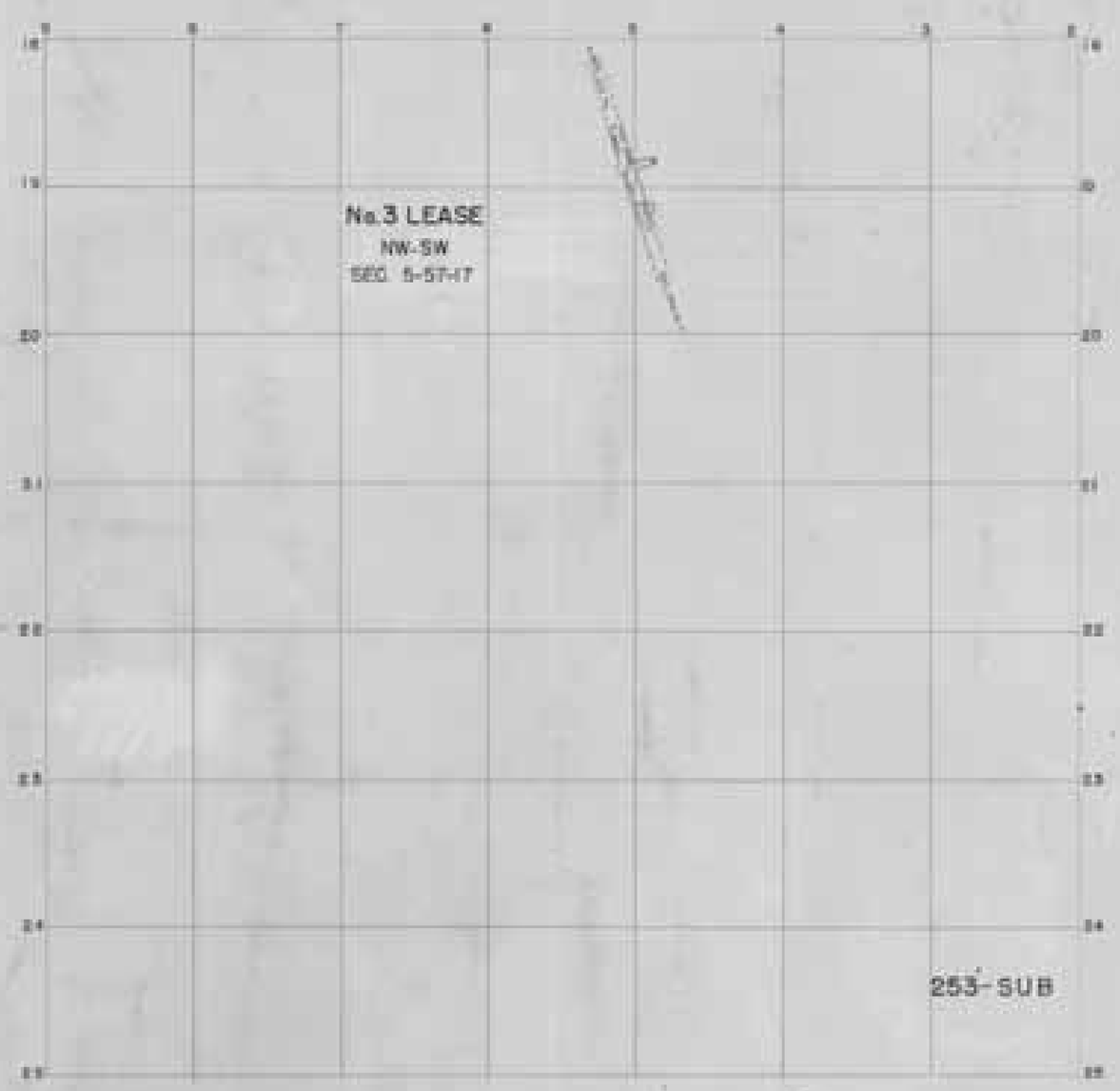

DISTRICT No. 5986 DULUTH No.
TOTAL
CASE 5 CONT. 20 COL. - F. 63
CASE DIST. COL. FILE
DATE DATE 7-13-29

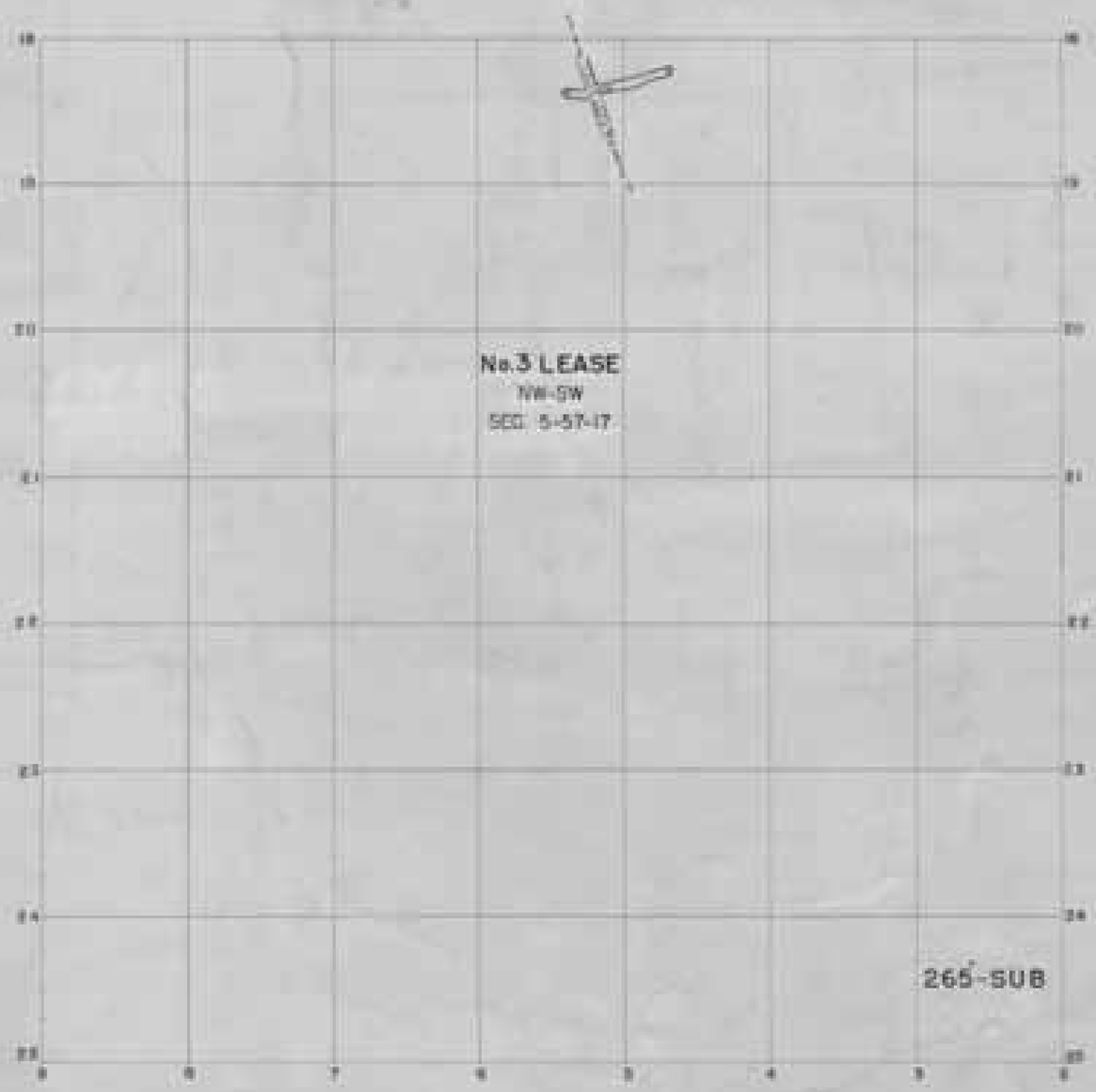
#2+3 Lease

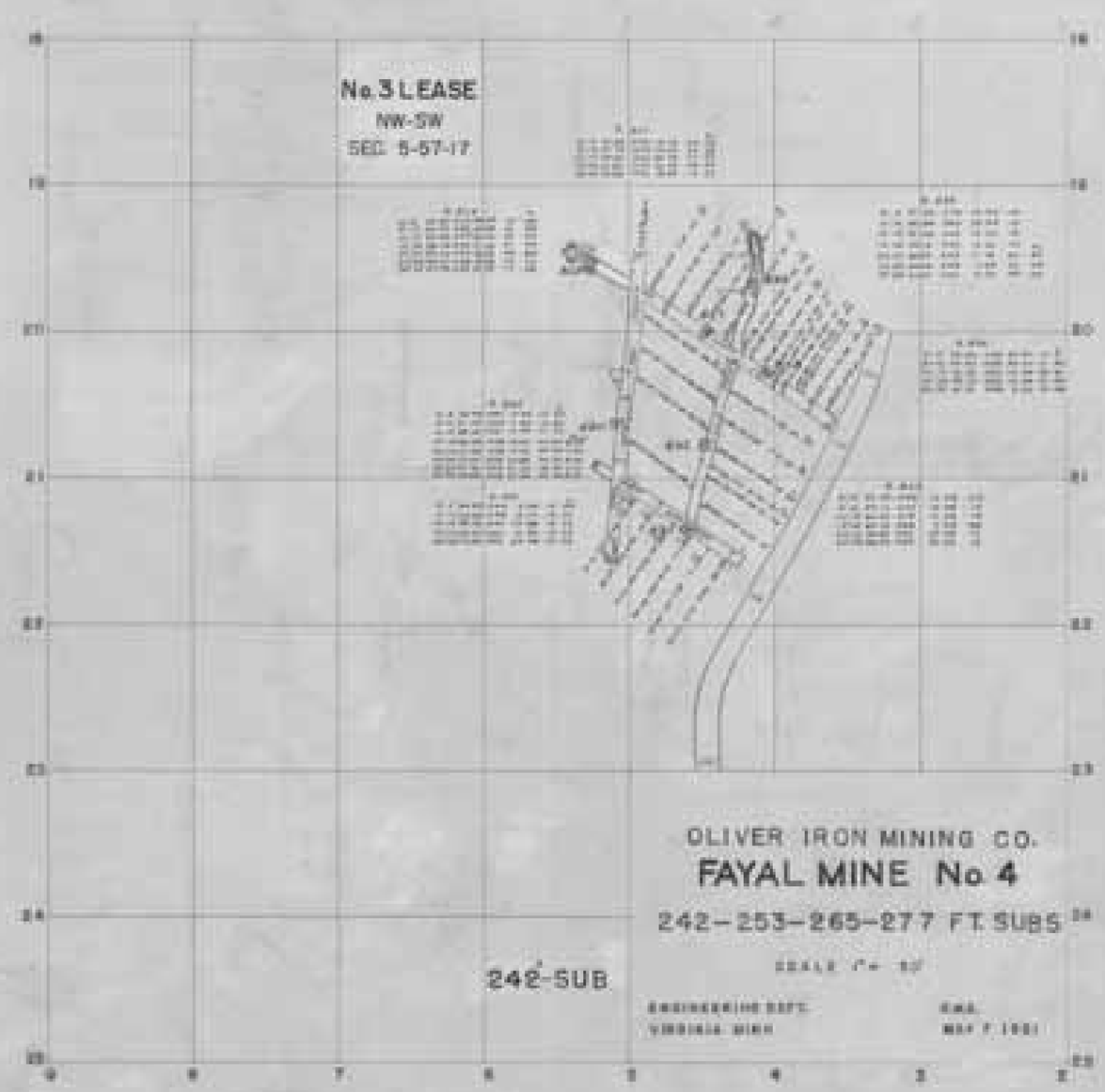

Nº 2 LEASE
SW of NW
FEE
SE of NW
Nº 3 LEASE
N.W. of S.W.
Nº 3 LEASE
NE of SW
5/16 Cor N.W. 1/4
Sec 5-57-17
No. 5 SHAFT
EL. Collar 547.75
No 4 SHAFT
EL. Collar 544.79
Water Raise
R.823
R.824
R.822
R.821
R.820
R.819
R.818
R.180
PIT
OPEN PIT
OLIVER IRON MINING CO.
FAYAL MINE
Nº 4 SHAFT
"W" LEVEL
NOTE
The origin of coordinates is the center 1/16th of the N.W. 1/4 Sec 5-57-17.
Scale
N
FAYAL ENG. DEPT.
L.T.G.
JAN. 1-1952
DISTRICT No. 5987 DULUTH
TOTAL
5
20
64
7-13-29.
#2+3 Lease

Nº 2 LEASE
S.W. OF N.W.
Nº 3 LEASE
N.W. OF S.W.
ROYAL MINE
5 LEVEL
Nº 4 SHAFT




OLIVER IRON MINING CO.

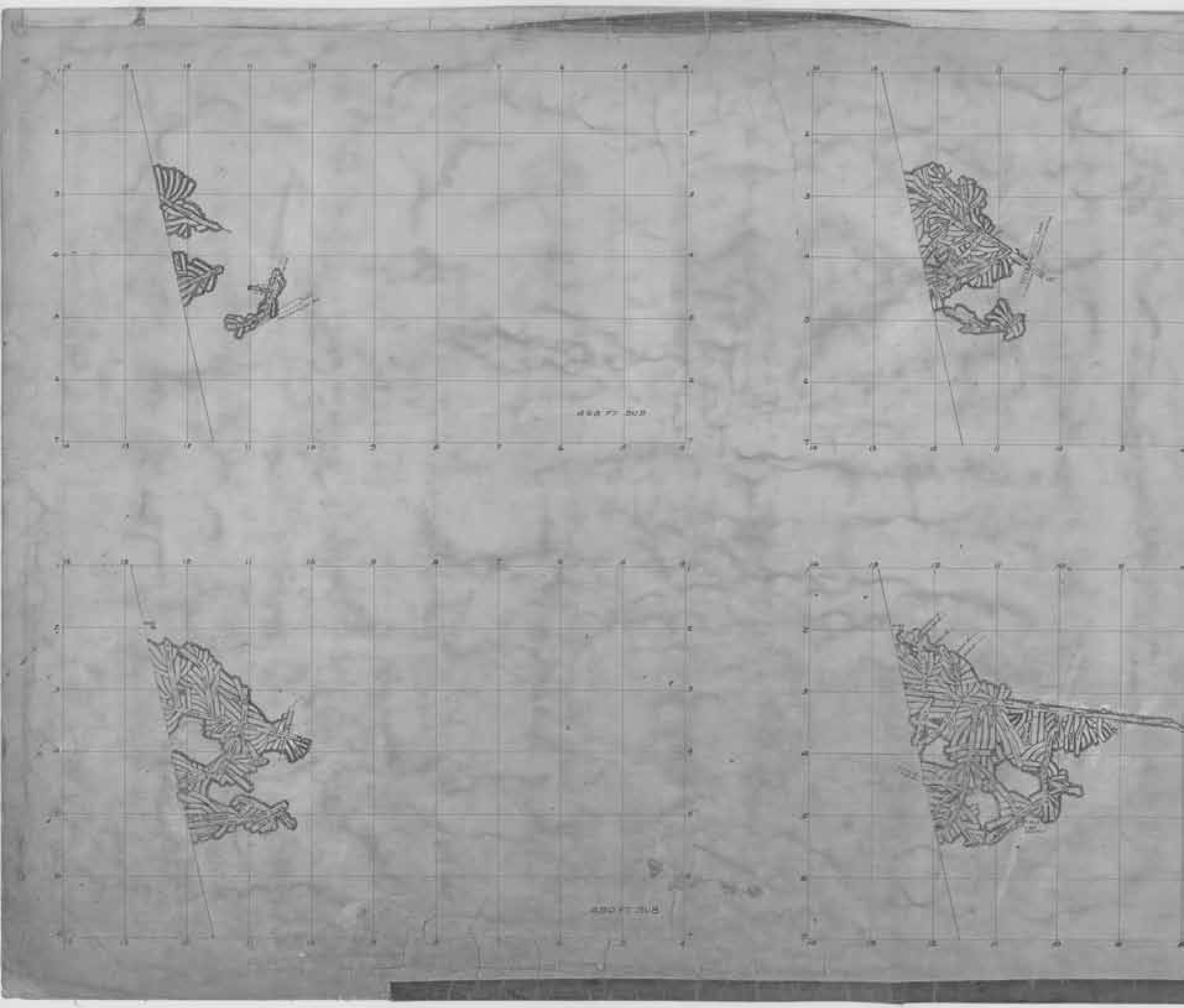
# FAYAL MINE No. 4

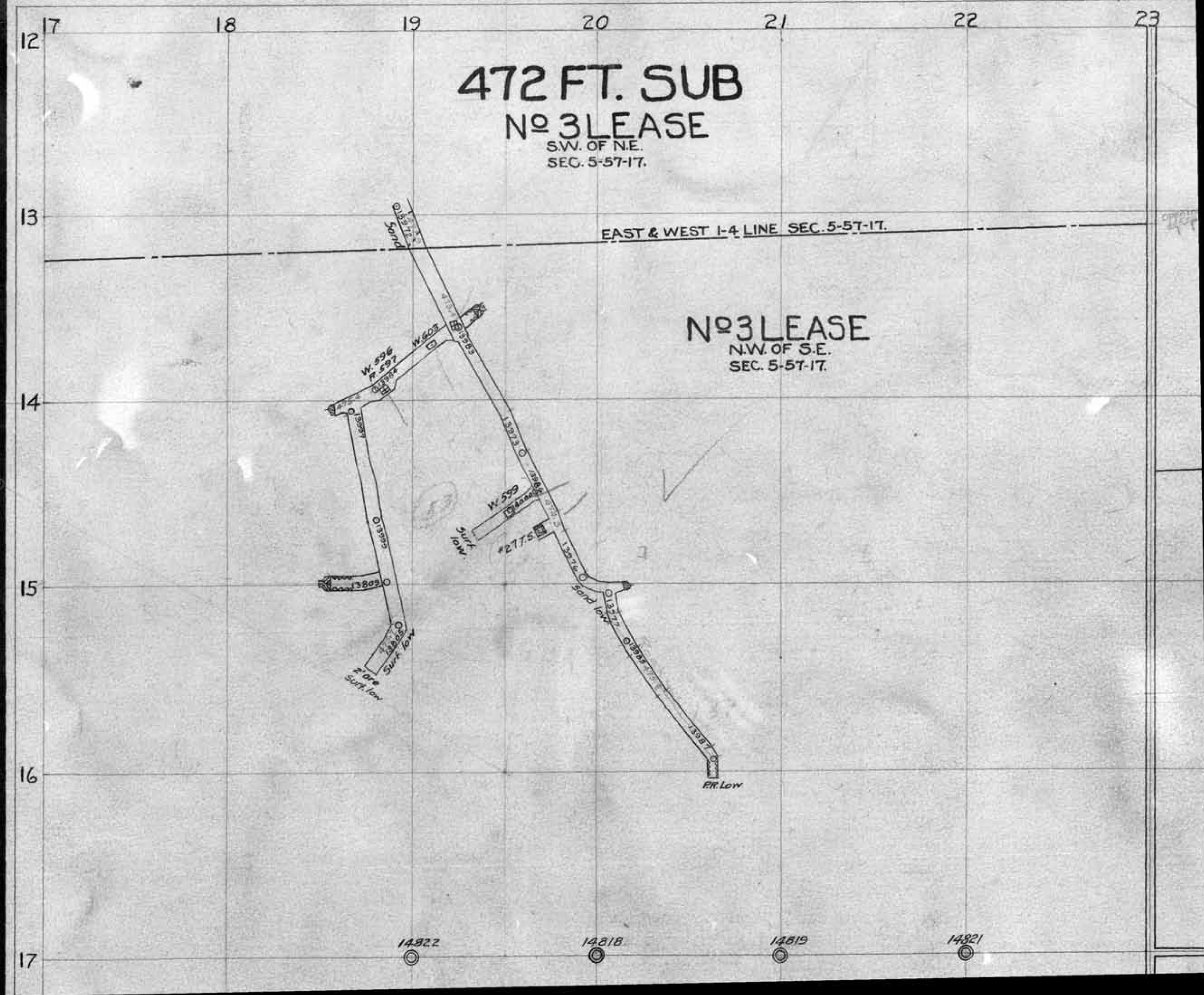
242-253-265-277 FT. SUBS

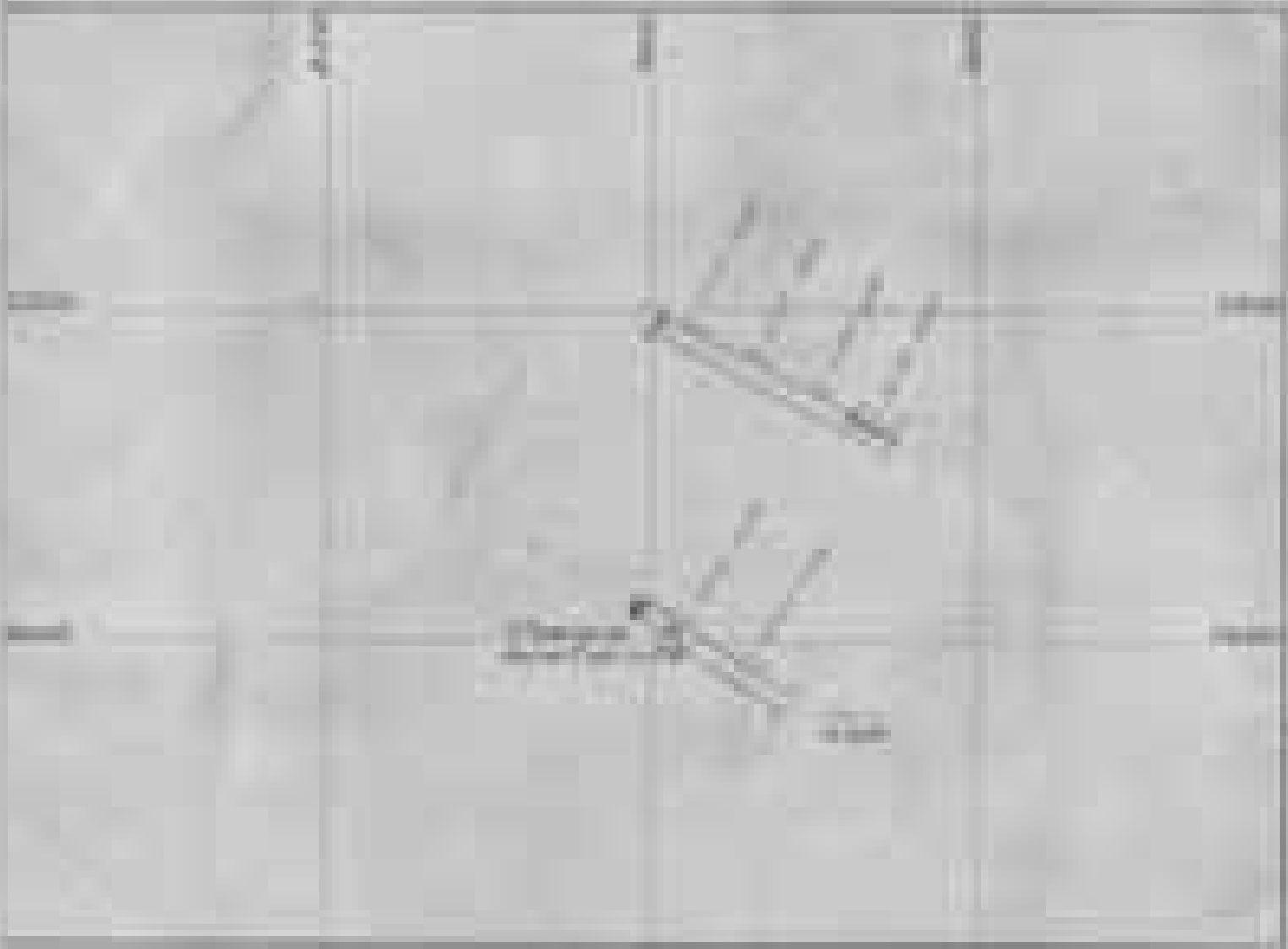
SCALE 1" = 50'

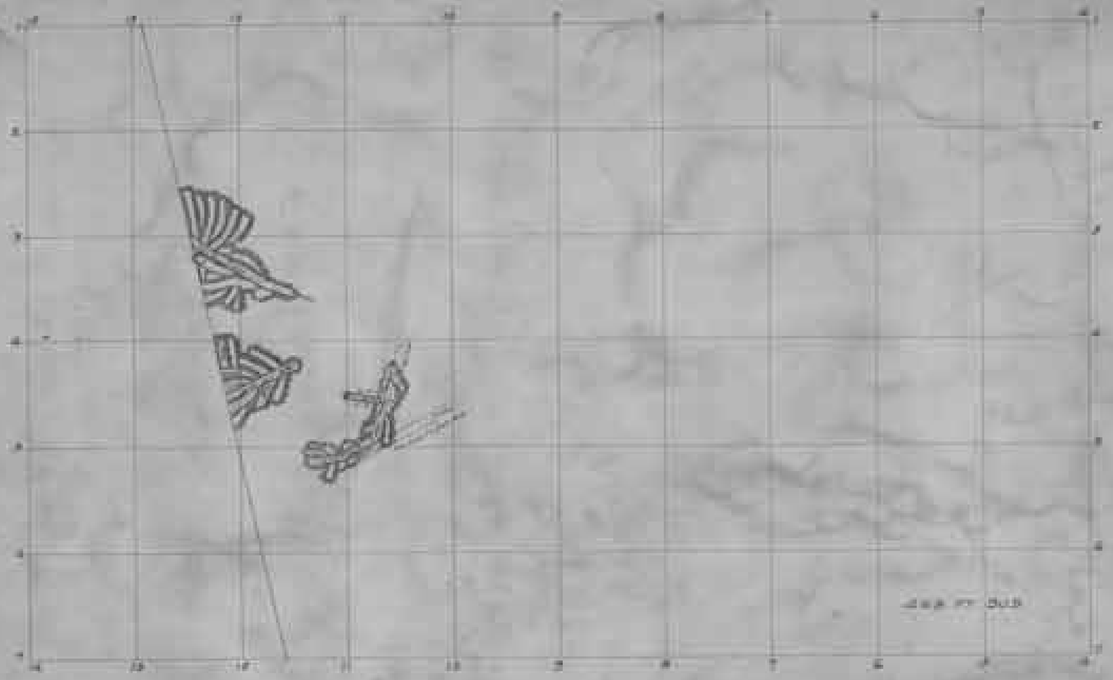
ENGINEERING DEPT.
VIRGINIA, MINN.

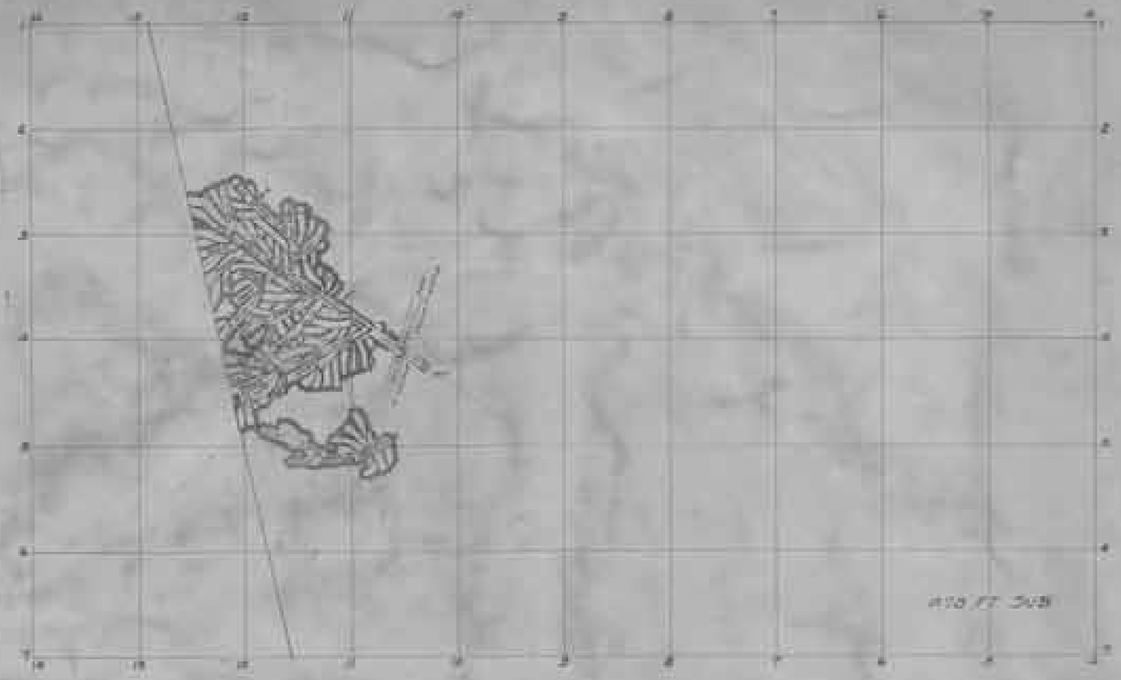
E.M.A.
MAY 7, 1951

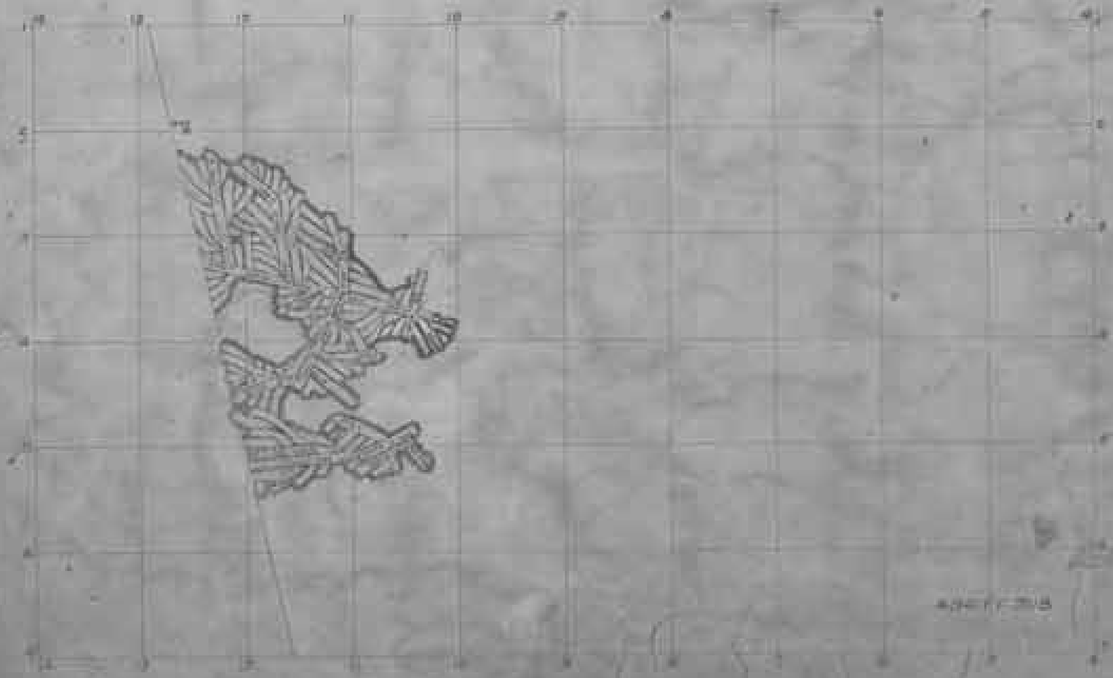



472 FT. SUB
No 3 LEASE
S.W. OF N.E.
SEC. 5-57-17.
EAST & WEST 1-4 LINE SEC. 5-57-17.
No 3 LEASE
N.W. OF S.E.
SEC. 5-57-17.
17
18
19
20
21
22
23
12
13
14
15
16
17
Sand
W. 596
R. 597
W. 603
13983
13984
13987
13986
W. 599
Surf. low.
#2775
13974
Sand low
13972
13987
P.R. Low
13805
Surf. low
2' ore
Surf. low
14822
14818
14819
14821




498 FT SUB


410 FT SUB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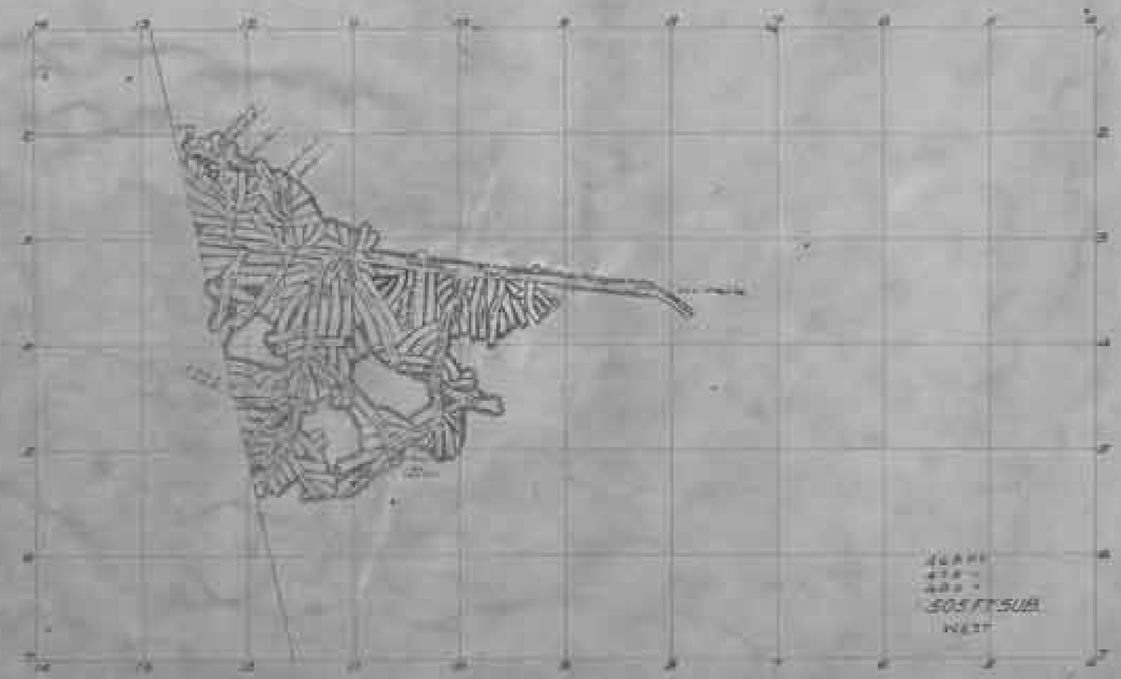
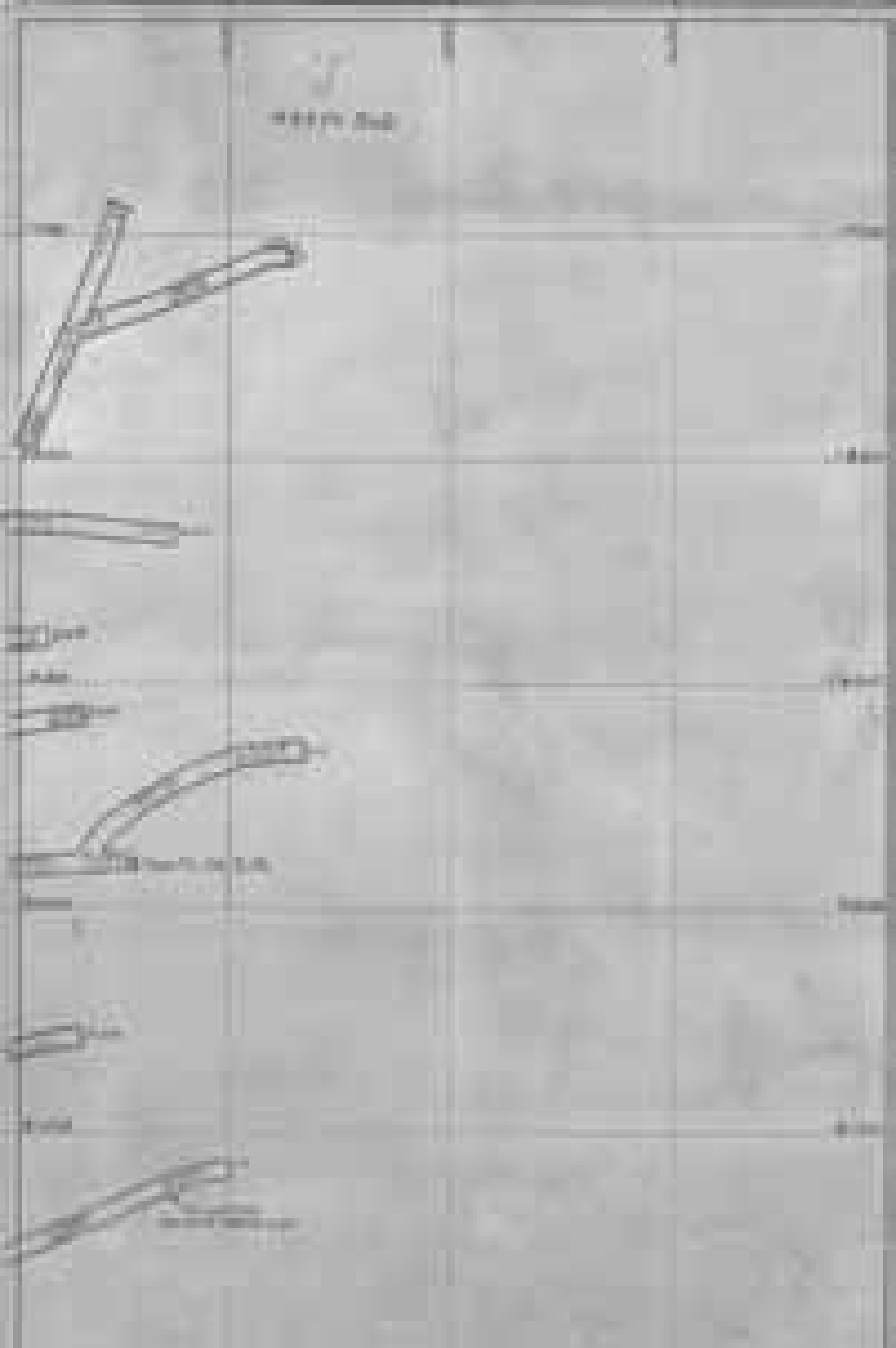
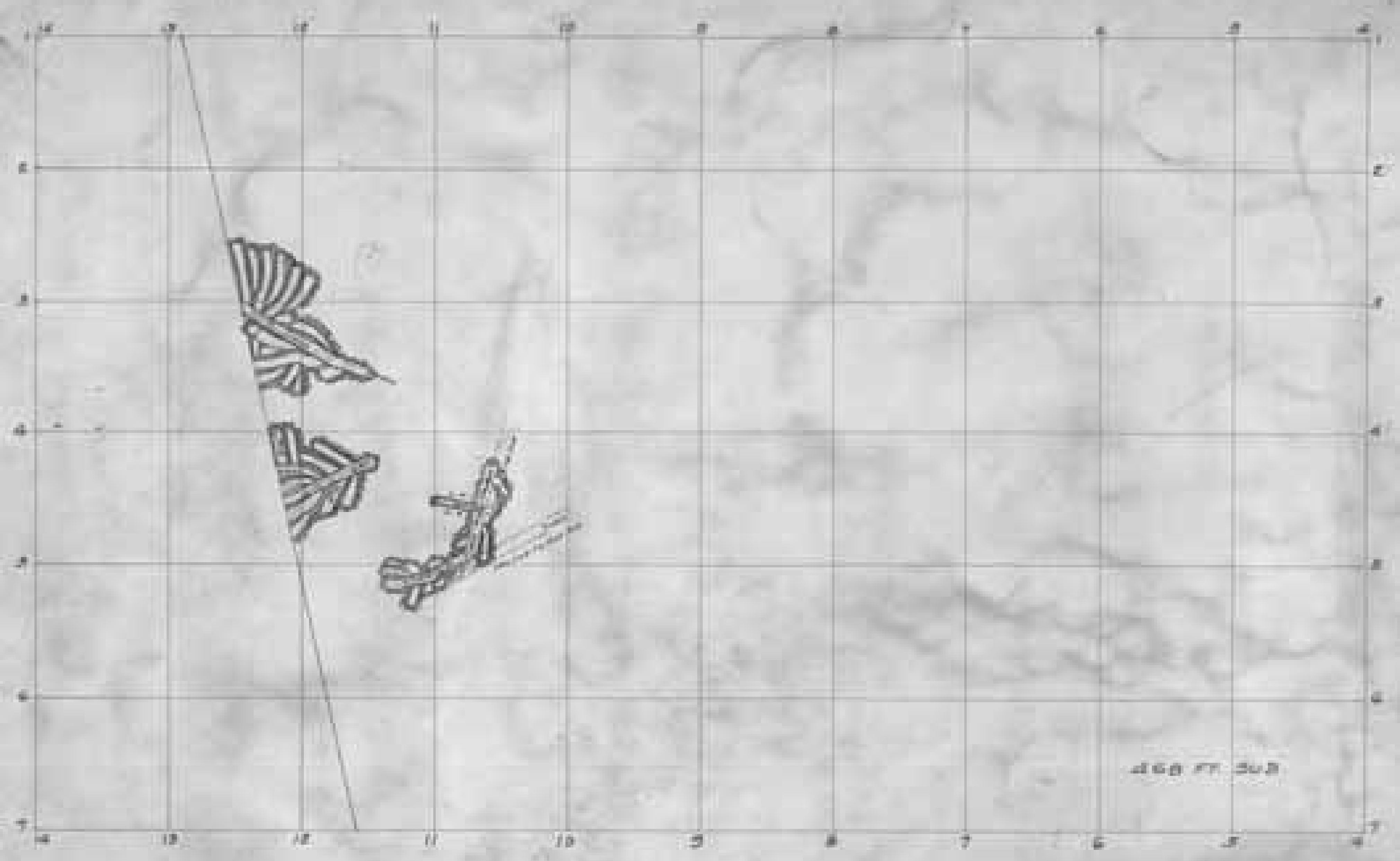
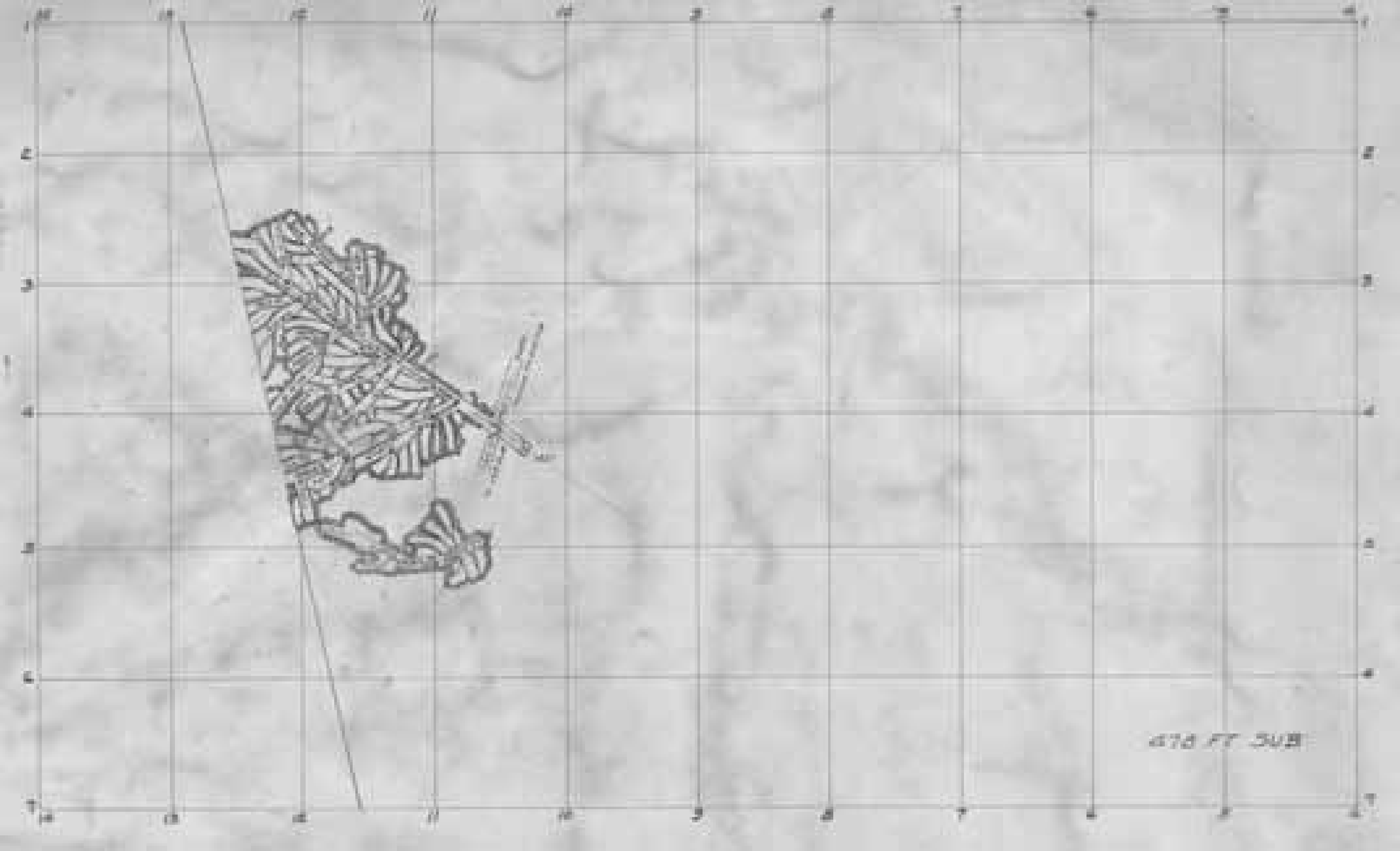
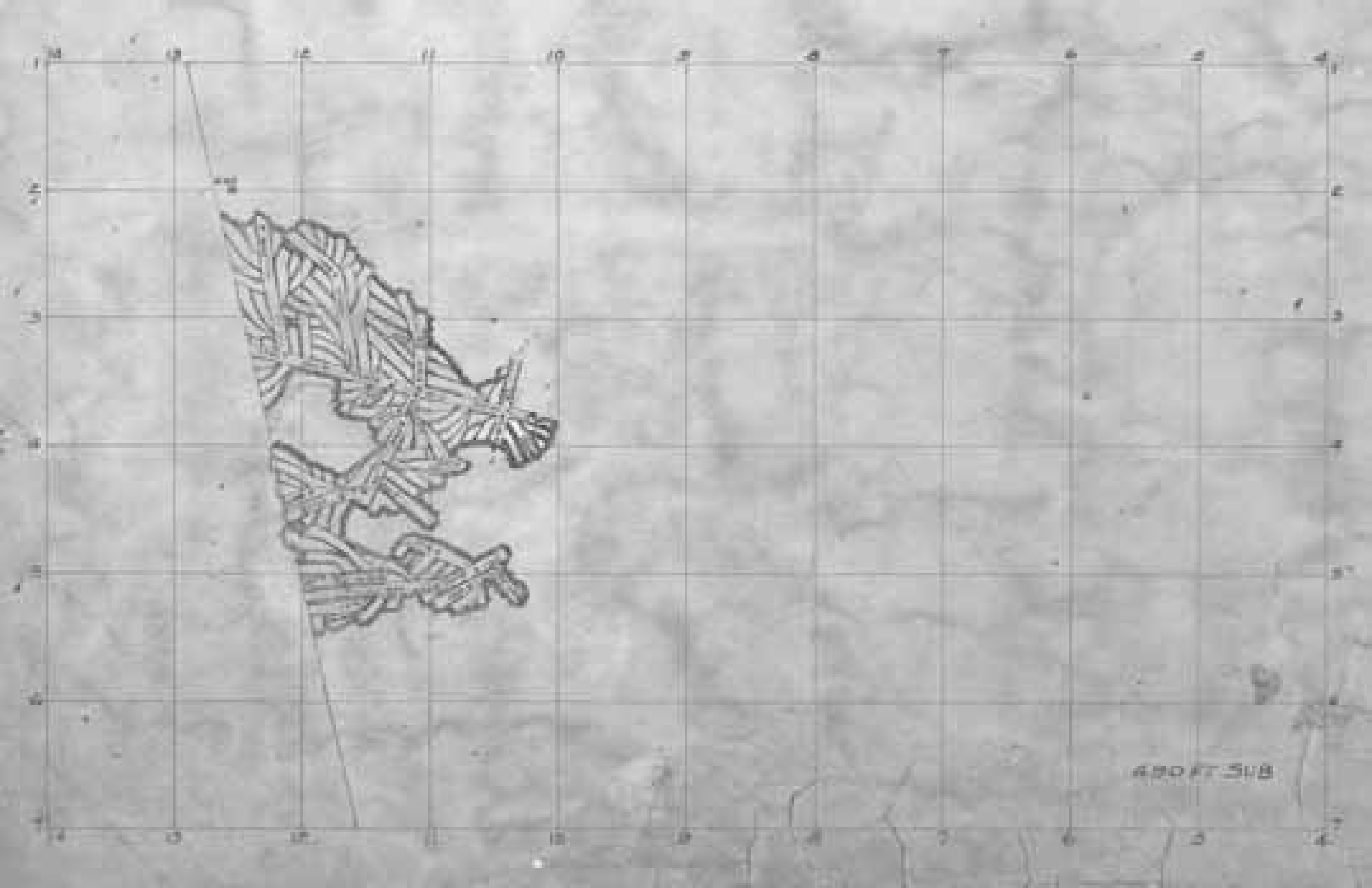

505 FT SUB
WEST

SUB LEVEL

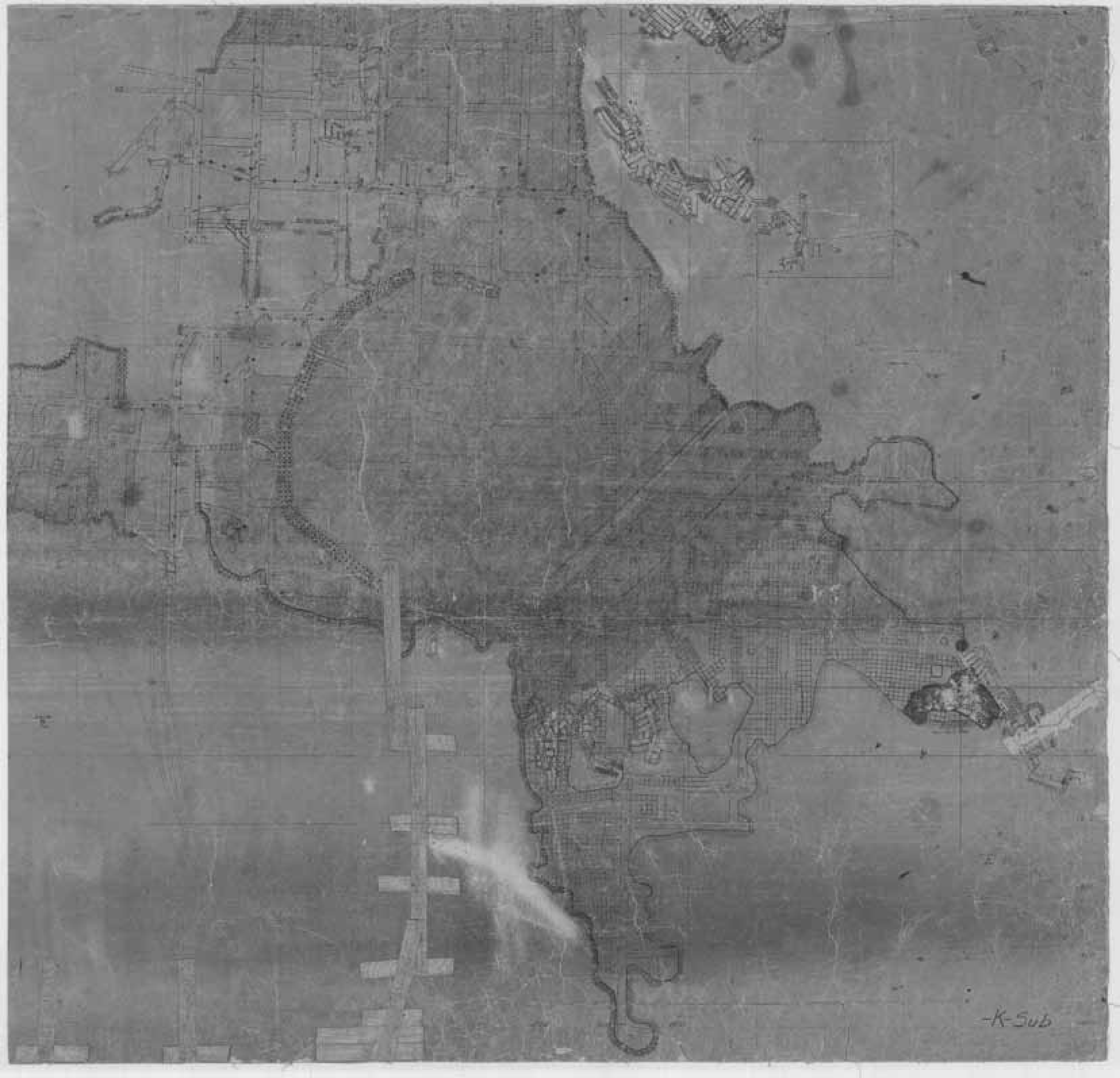


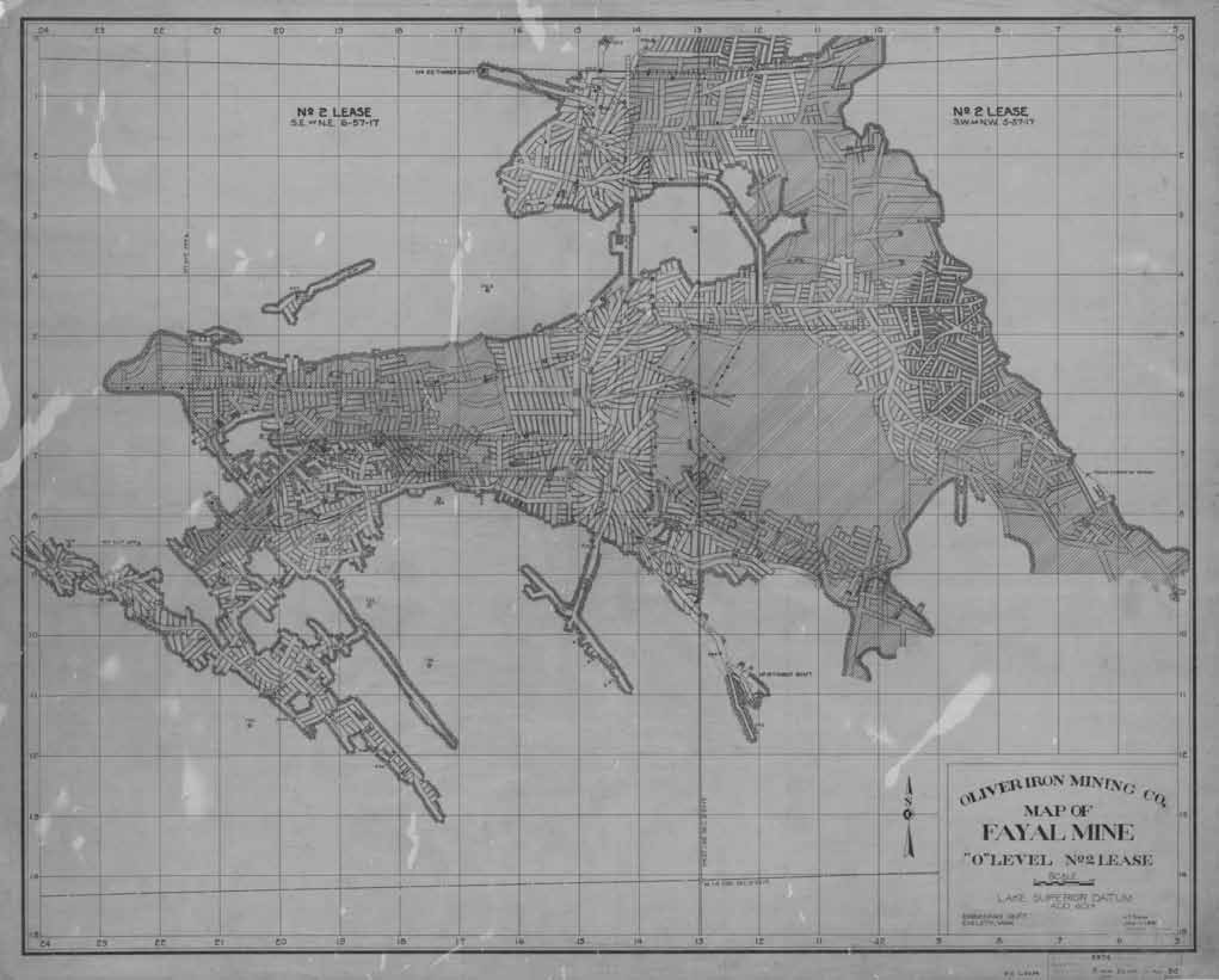

468 FT. SUB

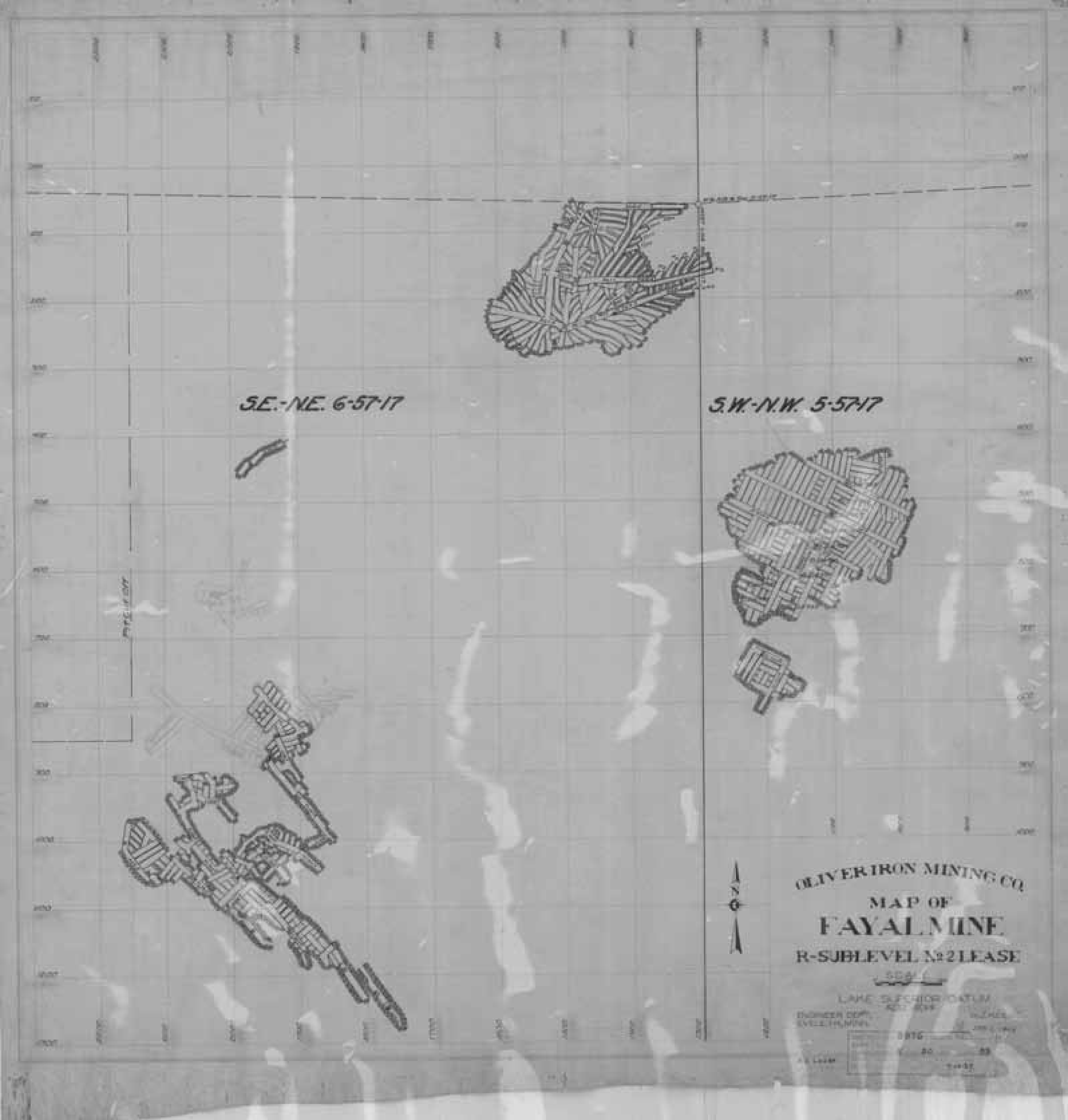

478 FT SUB

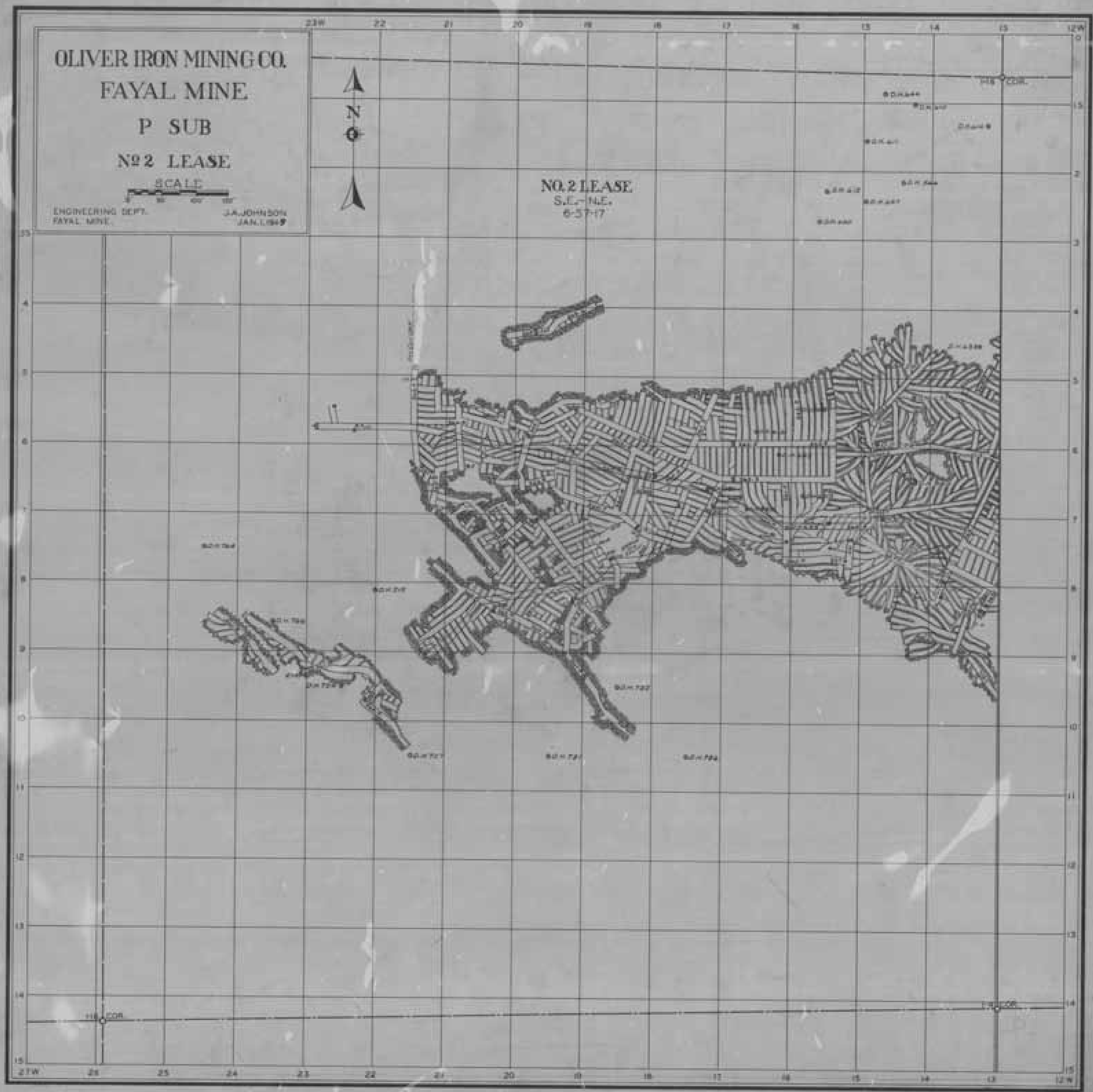

420 FT SUB

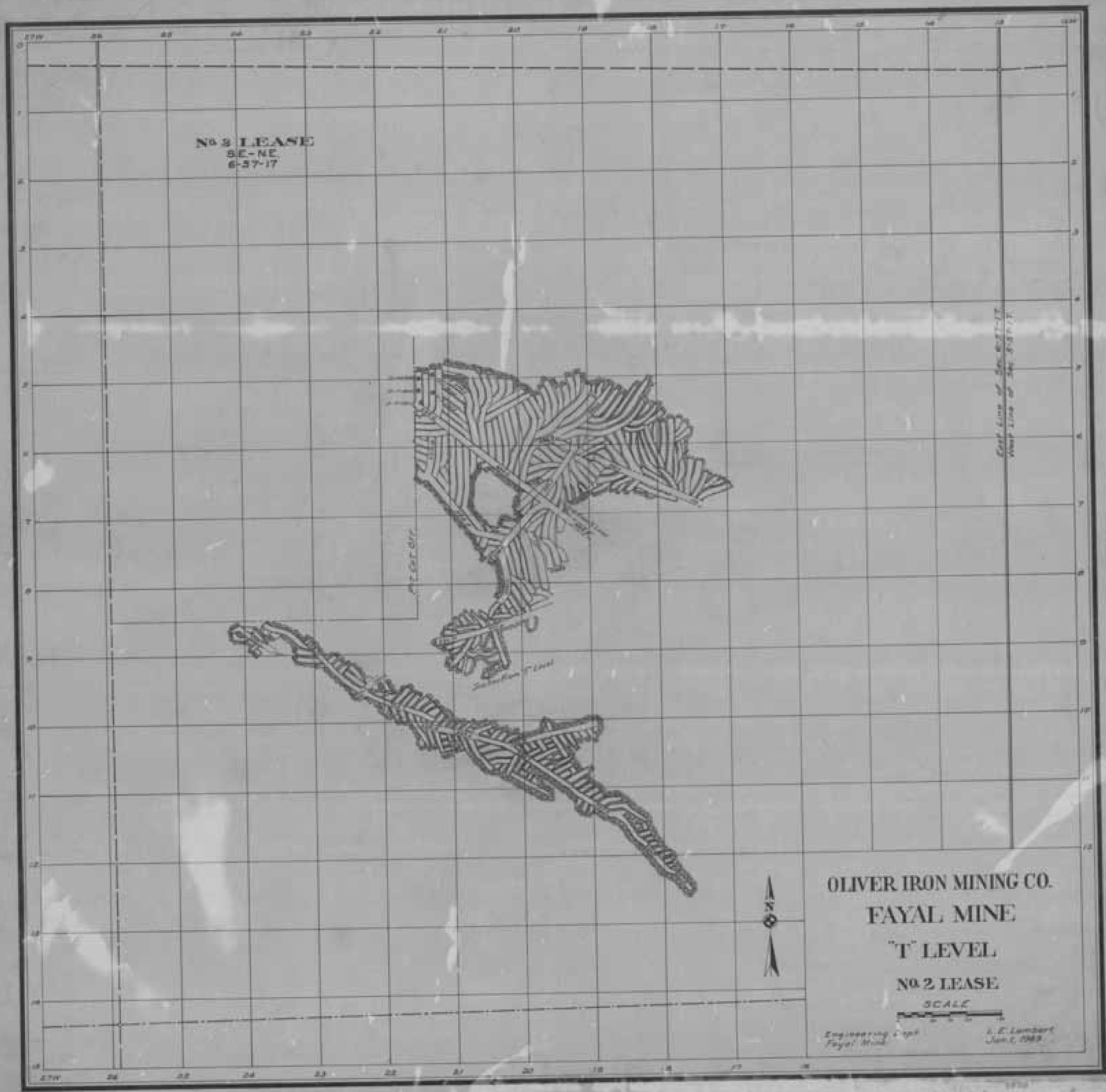
448 FT
478 "
490 "
505 FT SUB
WEST

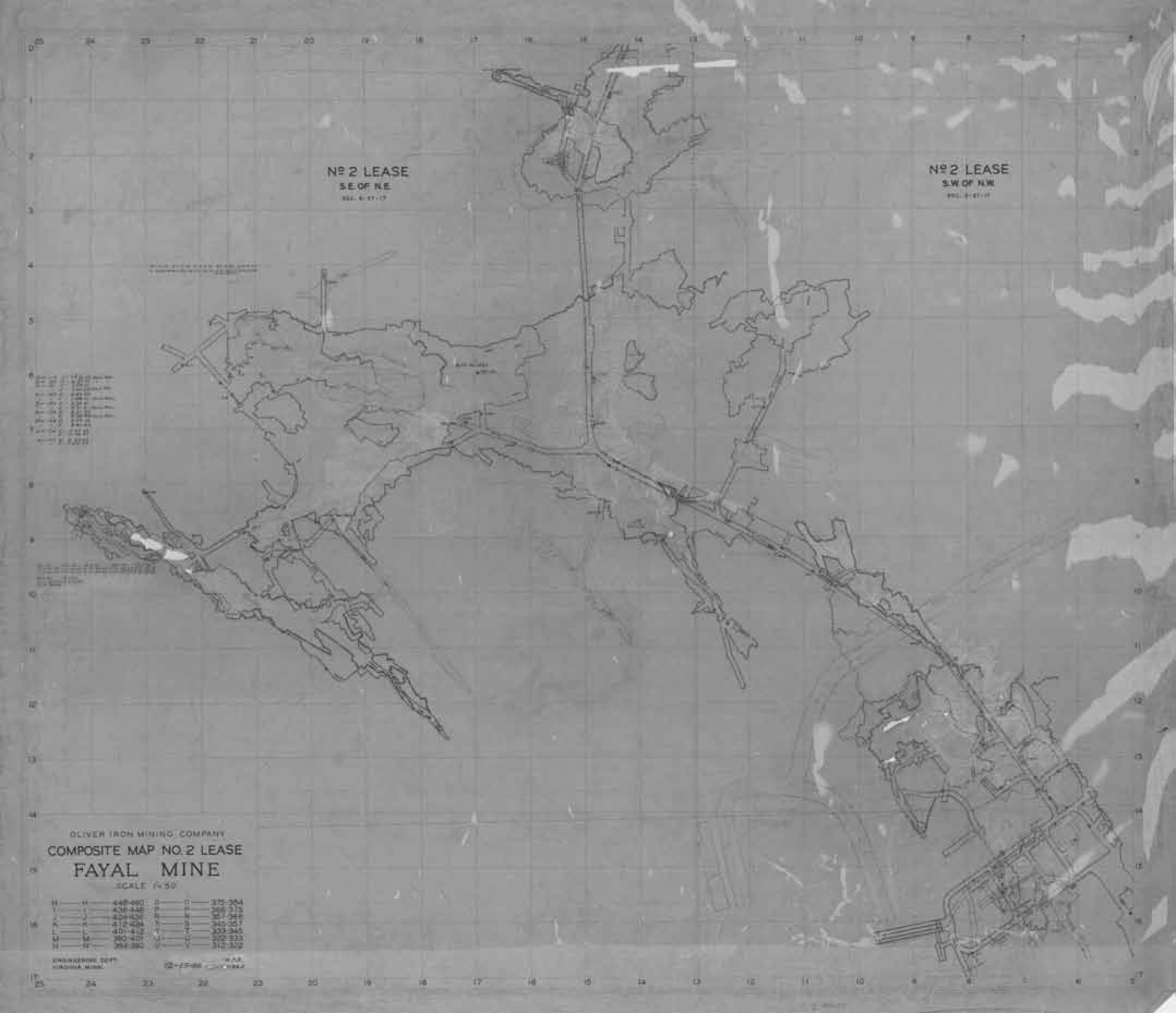

-K-Sub

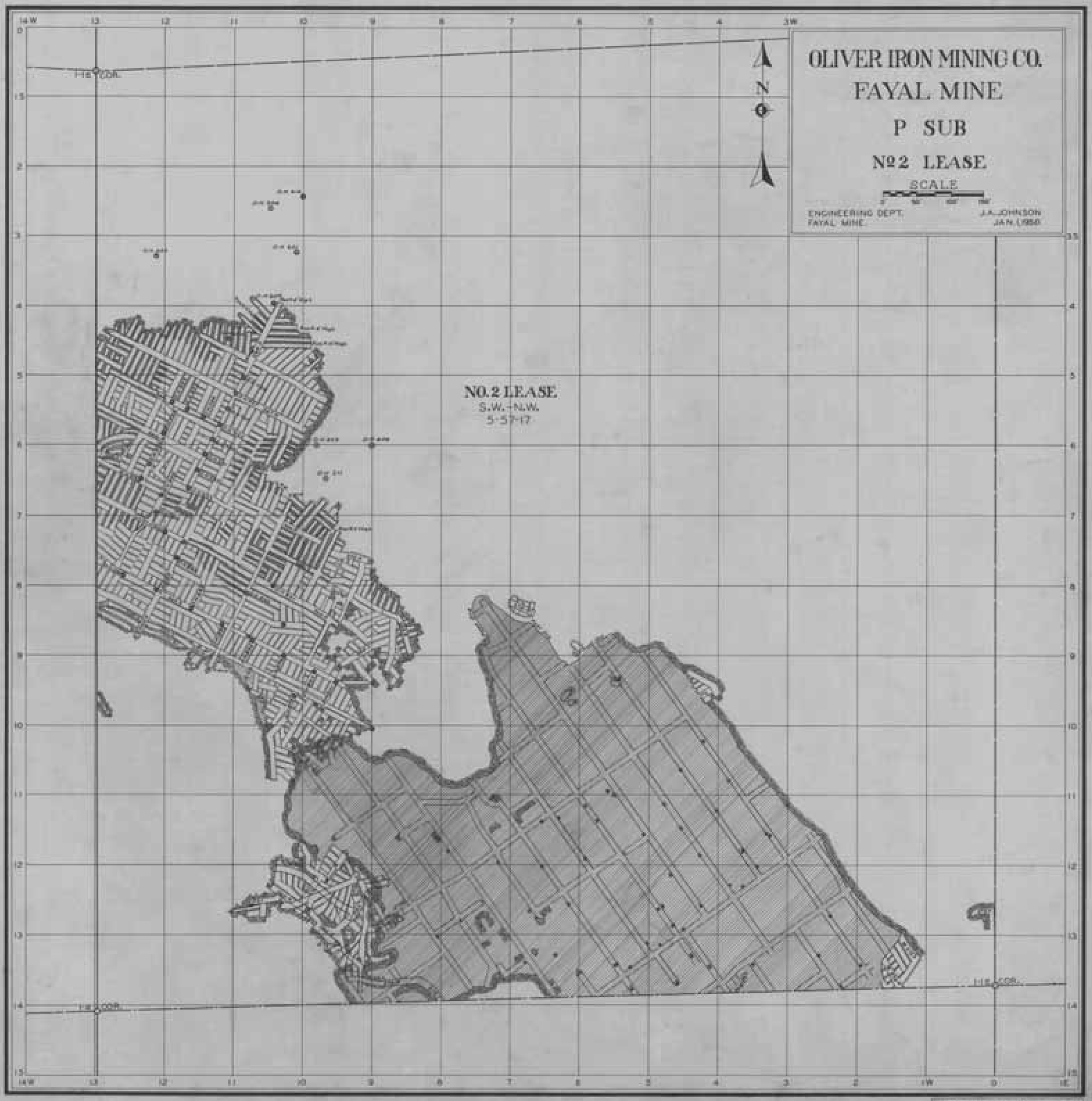

Nº 2 LEASE
S.E. ¼ N.E. 6-57-17
Nº 2 LEASE
S.W. ¼ N.W. 5-57-17
OLIVER IRON MINING CO.
MAP OF
FAYAL MINE
"O" LEVEL Nº2 LEASE
SCALE
LAKE SUPERIOR DATUM
ADD 600'
N


S.E.-N.E. 6-57-17
S.W.-N.W. 5-57-17
OLIVER IRON MINING CO.
MAP OF
FAYAL MINE
R-SUBLEVEL № 2 LEASE
N

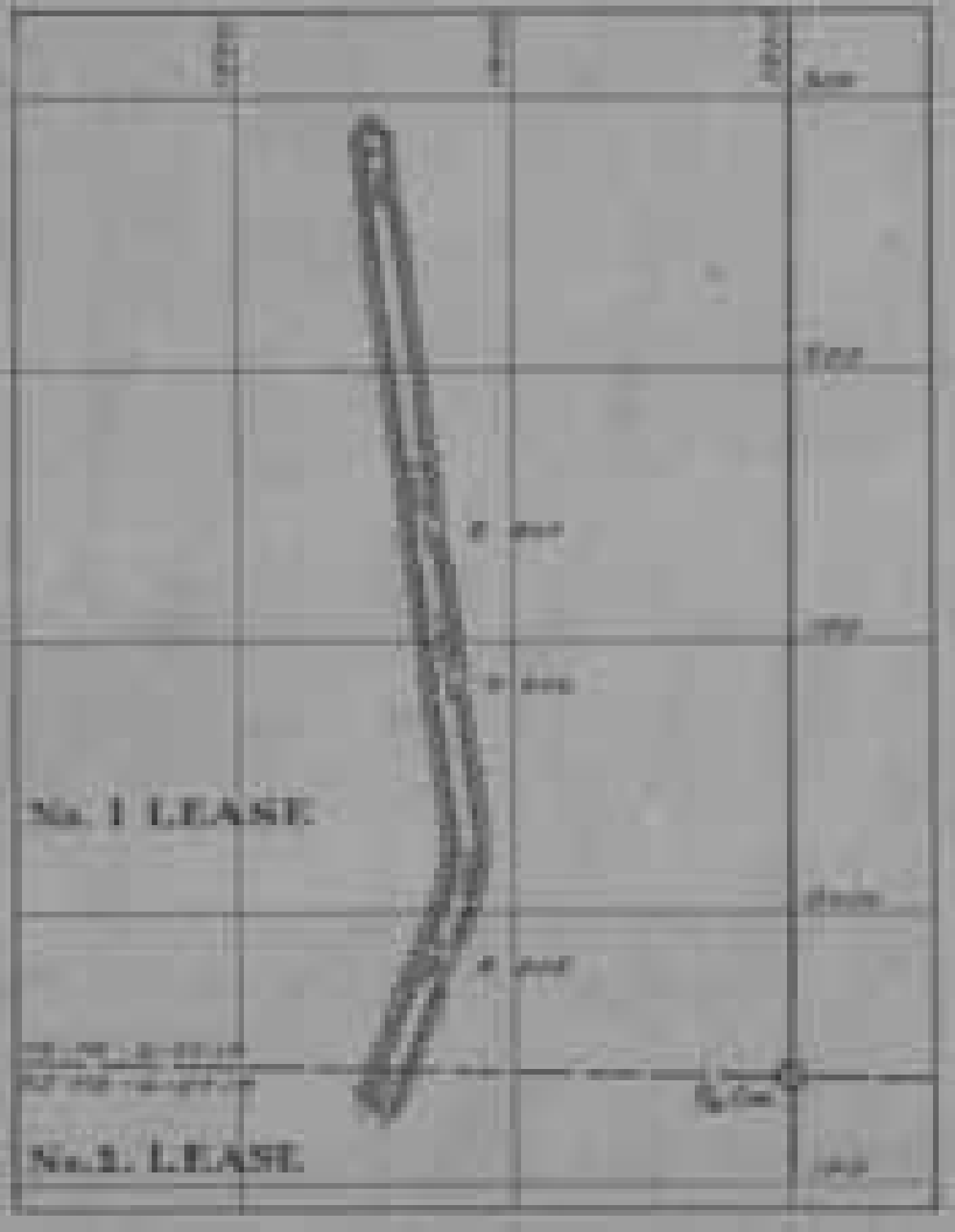

OLIVER IRON MINING CO.
FAYAL MINE
P SUB
Nº 2 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE
J.A. JOHNSON
JAN. 1949
N
NO. 2 LEASE
S.E.-N.E.
6-57-17

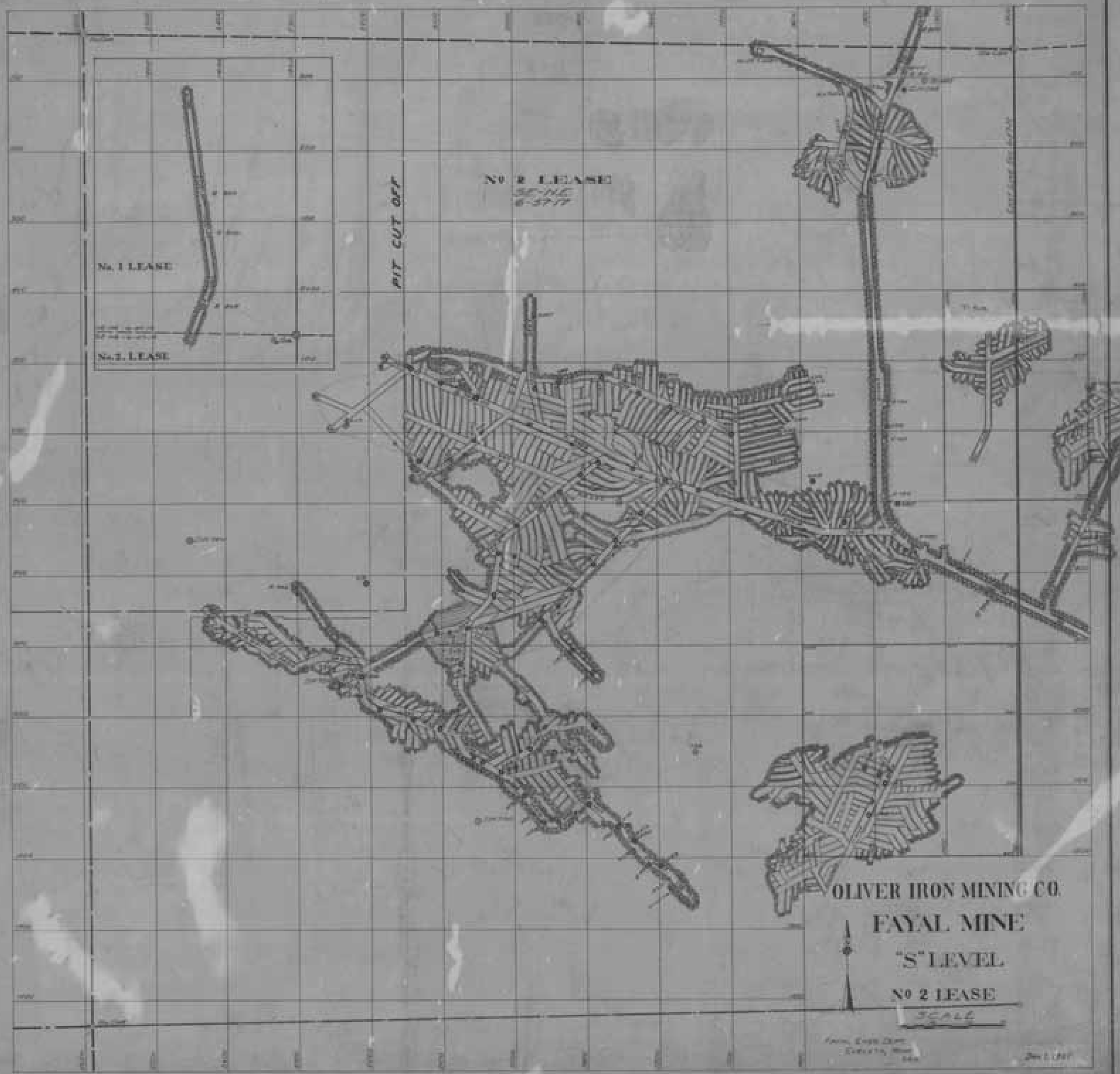

No 2 LEASE
SE-NE
6-37-17
OLIVER IRON MINING CO.
FAYAL MINE
"T" LEVEL
No 2 LEASE
SCALE
N

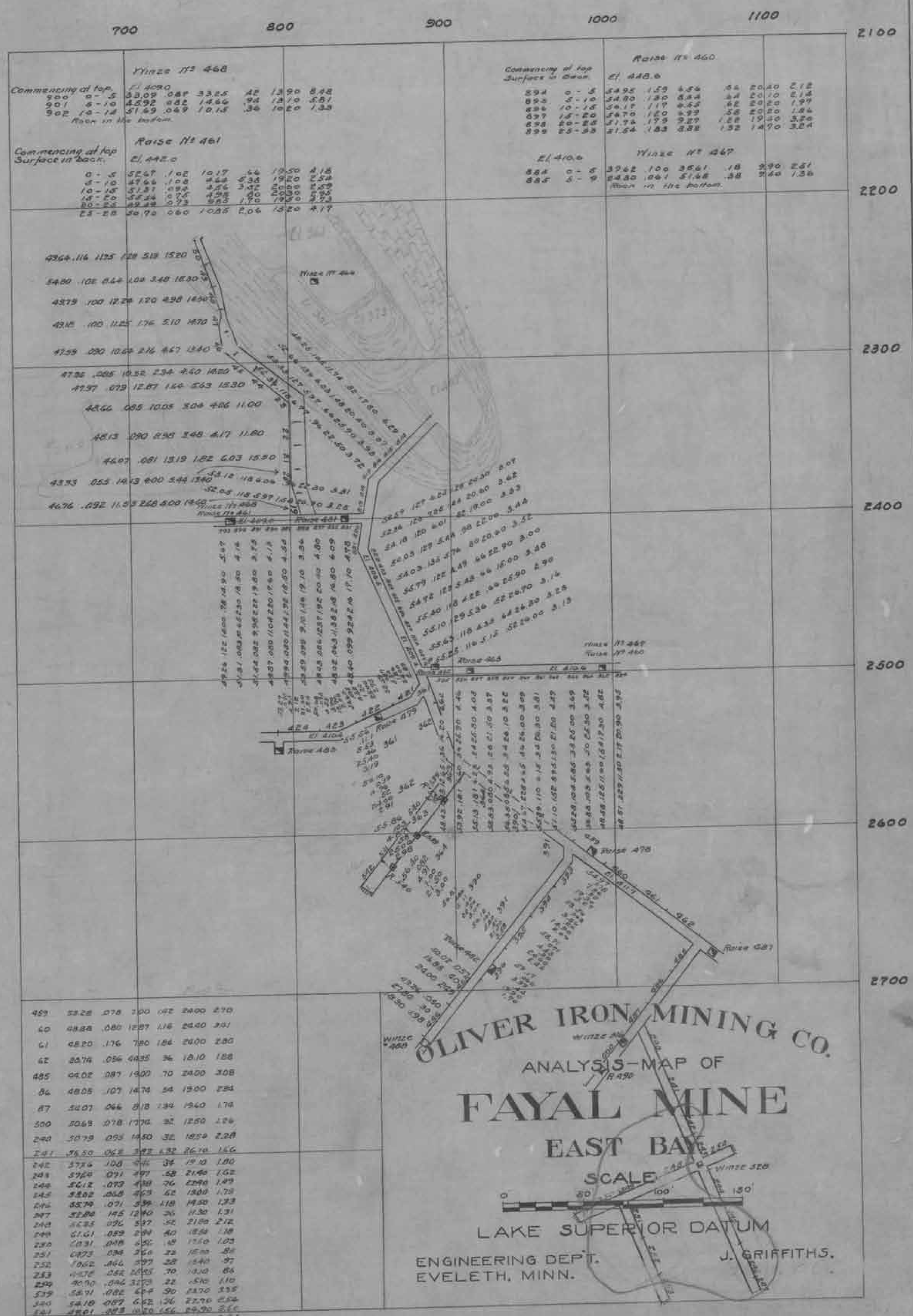

Nº 2 LEASE
S.E. OF N.E.
Nº 2 LEASE
S.W. OF N.W.
OLIVER IRON MINING COMPANY
COMPOSITE MAP NO. 2 LEASE
FAYAL MINE
SCALE 1"=50'


OLIVER IRON MINING CO.
FAYAL MINE
P SUB
Nº2 LEASE
SCALE
ENGINEERING DEPT.
FAYAL MINE.
J.A. JOHNSON
JAN. 1950
N
NO. 2 LEASE
S.W.-N.W.
5-57-17
1/16 COR.

Nº 2 LEASE
S.E. OF N.E.
Nº 2 LEASE
S.W. OF N.W.
FEE
N.E. OF S.E.
Nº 3 LEASE
N.W. OF S.W.
OLIVER IRON MINING COMPANY
COMPOSITE MAP NO. 2 LEASE
FAYAL MINE
SCALE 1" = 50'


No. 1 LEASE.
No. 2. LEASE.

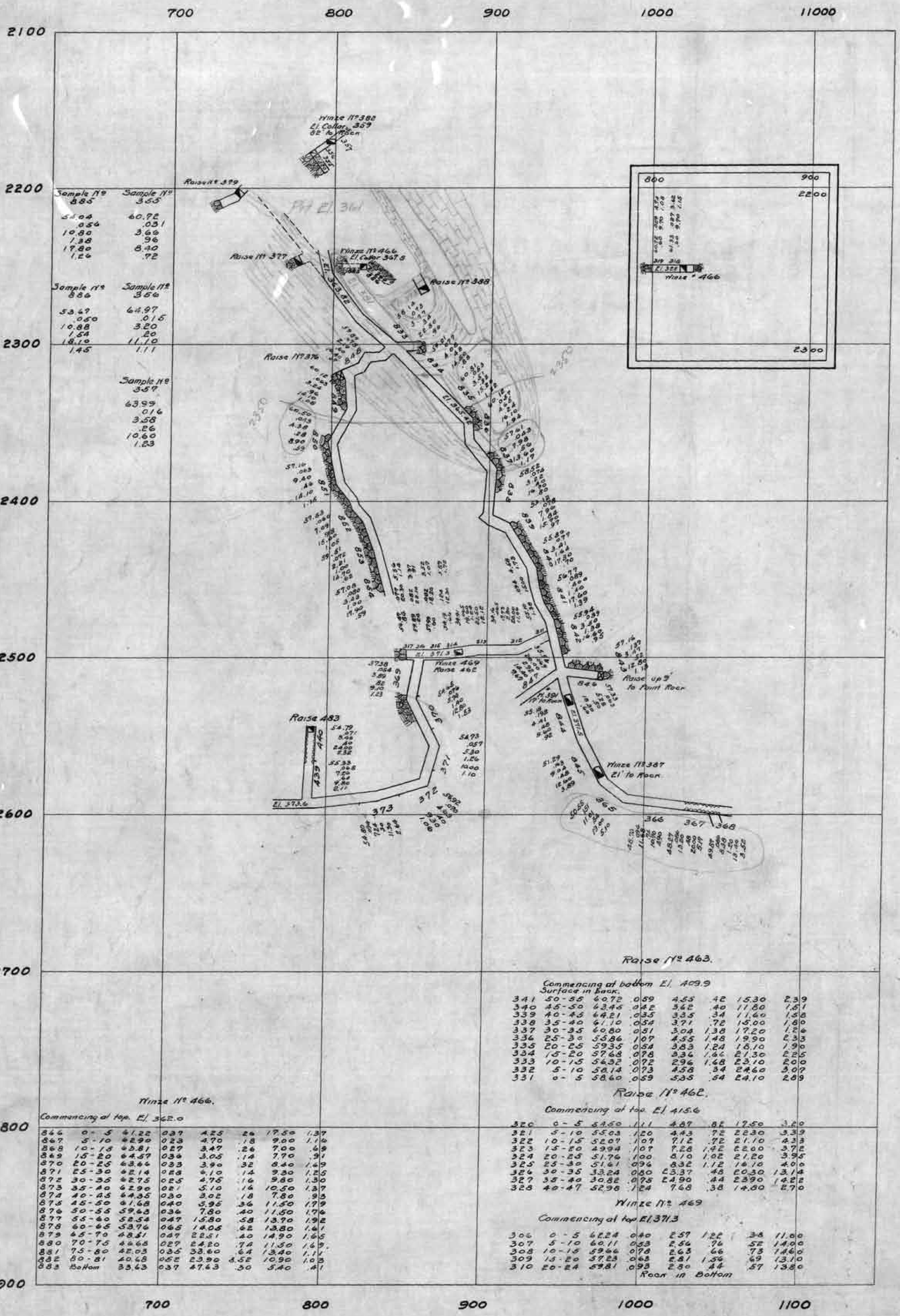

No. 1 LEASE
No. 2. LEASE
PIT CUT OFF
No 2 LEASE
OLIVER IRON MINING CO.
FAYAL MINE
"S" LEVEL
No 2 LEASE
SCALE




| | | | | | | |
|---|---|---|---|---|---|---|
| 459 | 53.28 | .078 | 7.00 | .42 | 24.00 | 2.70 |
| 60 | 48.88 | .080 | 12.87 | 1.16 | 26.40 | 3.01 |
| 61 | 68.20 | .176 | 7.80 | 1.86 | 24.00 | 2.80 |
| 62 | 88.74 | .056 | 44.35 | .36 | 18.10 | 1.88 |
| 485 | 64.02 | .087 | 19.00 | .70 | 24.00 | 3.08 |
| 86 | 48.05 | .107 | 14.74 | .54 | 15.00 | 2.34 |
| 87 | 56.07 | .046 | 8.18 | 1.34 | 19.60 | 1.74 |
| 500 | 50.69 | .078 | 17.70 | .32 | 12.50 | 1.26 |
| 240 | 50.79 | .095 | 14.50 | .32 | 18.59 | 2.28 |
| 241 | 36.50 | .062 | 3.92 | 1.32 | 26.10 | 1.66 |
| 242 | 37.26 | .108 | 6.46 | .34 | 19.10 | 1.80 |
| 243 | 37.69 | .071 | 4.97 | .58 | 21.40 | 1.62 |
| 244 | 56.12 | .073 | 4.38 | .76 | 22.90 | 1.49 |
| 245 | 58.82 | .068 | 4.63 | .62 | 19.00 | 1.78 |
| 246 | 55.79 | .071 | 5.39 | 1.18 | 19.50 | 1.73 |
| 247 | 52.84 | .145 | 12.40 | .36 | 11.30 | 1.31 |
| 248 | 56.35 | .096 | 5.37 | .52 | 21.80 | 2.12 |
| 249 | 61.61 | .059 | 2.84 | .40 | 18.80 | 1.18 |
| 250 | 60.31 | .048 | 6.56 | .18 | 15.10 | 1.03 |
| 251 | 60.73 | .038 | 3.66 | .22 | 15.00 | .82 |
| 252 | 70.62 | .066 | 5.97 | .28 | 15.40 | .97 |
| 253 | 44.72 | .052 | 20.85 | .70 | 18.10 | .86 |
| 254 | 40.70 | .046 | 3.79 | .22 | 15.10 | 1.10 |
| 539 | 56.71 | .082 | 6.94 | .90 | 23.70 | 3.35 |
| 540 | 54.18 | .087 | 6.62 | .36 | 22.70 | 2.54 |
| 541 | 48.01 | .083 | 10.20 | 1.56 | 24.90 | 3.60 |
| 542 | 58.07 | .077 | 13.05 | 1.00 | 24.70 | 3.41 |

700 800

DISTRICT NO. 5 COLUMN NO.
SHEET NO. FOLIO
TRACING CASE 5 DW. 25 OPT. – REV. 49
PRINT – CASE DWG. 1916 – 0.19 FILE
SCALE DATE


700
800
900
1000
11000
2100
2200
2300
2400
2500
2600
2700
2800
2900
Winze No 382
El. Collar 369
Raise No 379
Raise No 377
Winze No 466
El. Collar 367.5
Raise No 388
Raise No 376
Raise 483
Winze 469
Raise 462
Raise up 5' to Point Rock
Winze No 387
21' to Rock
Winze 466
Raise No 463.
Commencing at bottom El. 409.9
Surface in back.
341 50-55 60.72 .059 4.55 .42 15.30 2.39
340 45-50 63.46 .042 3.62 .40 11.80 1.51
339 40-45 64.21 .035 3.35 .34 11.60 1.58
338 35-40 61.10 .054 3.71 .72 15.00 1.80
337 30-35 60.80 .051 3.04 1.38 17.20 1.26
336 25-30 55.86 .107 4.55 1.48 19.90 2.33
335 20-25 59.35 .054 3.83 1.24 18.10 1.90
334 15-20 57.68 .078 3.36 1.46 21.30 2.25
333 10-15 56.32 .072 2.96 1.68 23.10 2.00
332 5-10 58.14 .073 4.58 .34 24.60 3.07
331 0-5 58.60 .059 5.35 .54 24.10 2.89
Raise No 462.
Commencing at top El 415.6
320 0-5 54.60 .111 4.67 .82 17.50 3.20
321 5-10 55.03 .120 4.43 .72 22.30 3.39
322 10-15 52.07 .107 7.12 .72 21.10 4.33
323 15-20 49.94 .107 7.28 1.42 22.00 3.72
324 20-25 51.76 .100 6.10 1.02 21.20 3.95
325 25-30 51.61 .096 8.32 1.12 16.10 4.00
326 30-35 33.24 .080 23.37 .48 20.30 13.14
327 35-40 30.82 .075 24.90 .44 23.90 14.22
328 40-47 52.96 .124 7.68 .38 14.80 2.70
Winze No 469
Commencing at top El 371.3
306 0-5 62.24 .040 2.57 1.22 .38 11.00
307 5-10 60.11 .053 2.56 .76 .52 14.00
308 10-15 59.66 .078 2.63 .66 .73 14.60
309 15-20 57.23 .063 2.81 1.54 .69 13.10
310 20-24 59.81 .093 2.80 .44 .57 13.80
Rock in Bottom
Winze No 466.
Commencing at top. El. 362.0
844 0-5 41.22 .037 4.25 .26 17.50 1.37
867 5-10 42.90 .023 4.70 .18 9.00 1.16
868 10-15 43.81 .027 3.47 .26 7.00 .69
869 15-20 44.57 .034 3.05 .14 7.70 .91
870 20-25 43.66 .033 3.90 .32 8.40 1.49
871 25-30 42.14 .028 4.10 .14 9.30 1.25
872 30-35 42.75 .025 4.75 .16 9.80 1.30
873 35-40 42.90 .021 5.10 .16 10.50 1.37
874 40-45 44.35 .030 3.02 .18 7.80 .93
875 45-50 41.68 .040 5.95 .36 11.50 1.79
876 50-55 59.43 .036 7.80 .40 11.50 1.76
877 55-60 52.54 .047 15.80 .58 13.70 1.92
878 60-65 53.76 .065 14.05 .62 13.80 1.61
879 65-70 48.51 .047 22.51 .40 14.90 1.65
880 70-75 46.68 .027 24.20 .74 11.50 1.69
881 75-80 42.03 .035 33.60 .64 13.40 1.11
882 80-81 40.68 .052 23.90 3.52 10.90 1.03
883 Bottom 33.63 .037 47.63 .30 5.40 .41
700
800
900
1000
1100

900

800

2200

| | | | |
|---|---|---|---|
| 6.75 | 7.00 | 7.74 | |
| 8.25 | 9.10 | 1.09 | |
| 47.30 | 9.50 | 9.45 | |
| 49.00 | 9.20 | 1.25 | |

3/9 3/6

[illegible] 21.322 [illegible]

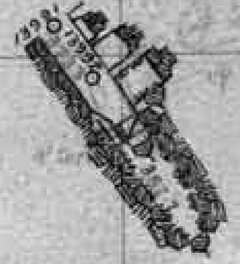
Hinge " 466

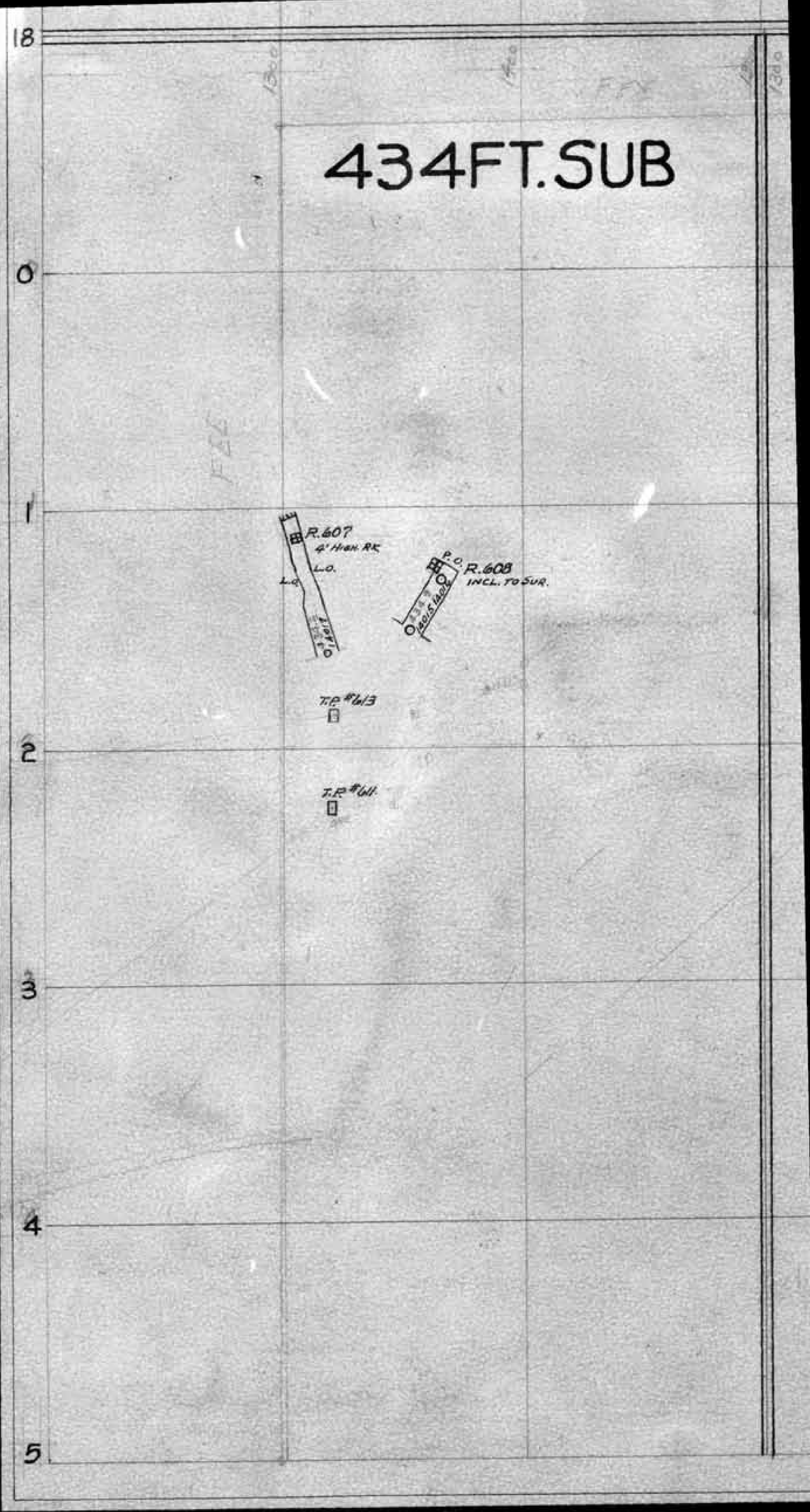
2300

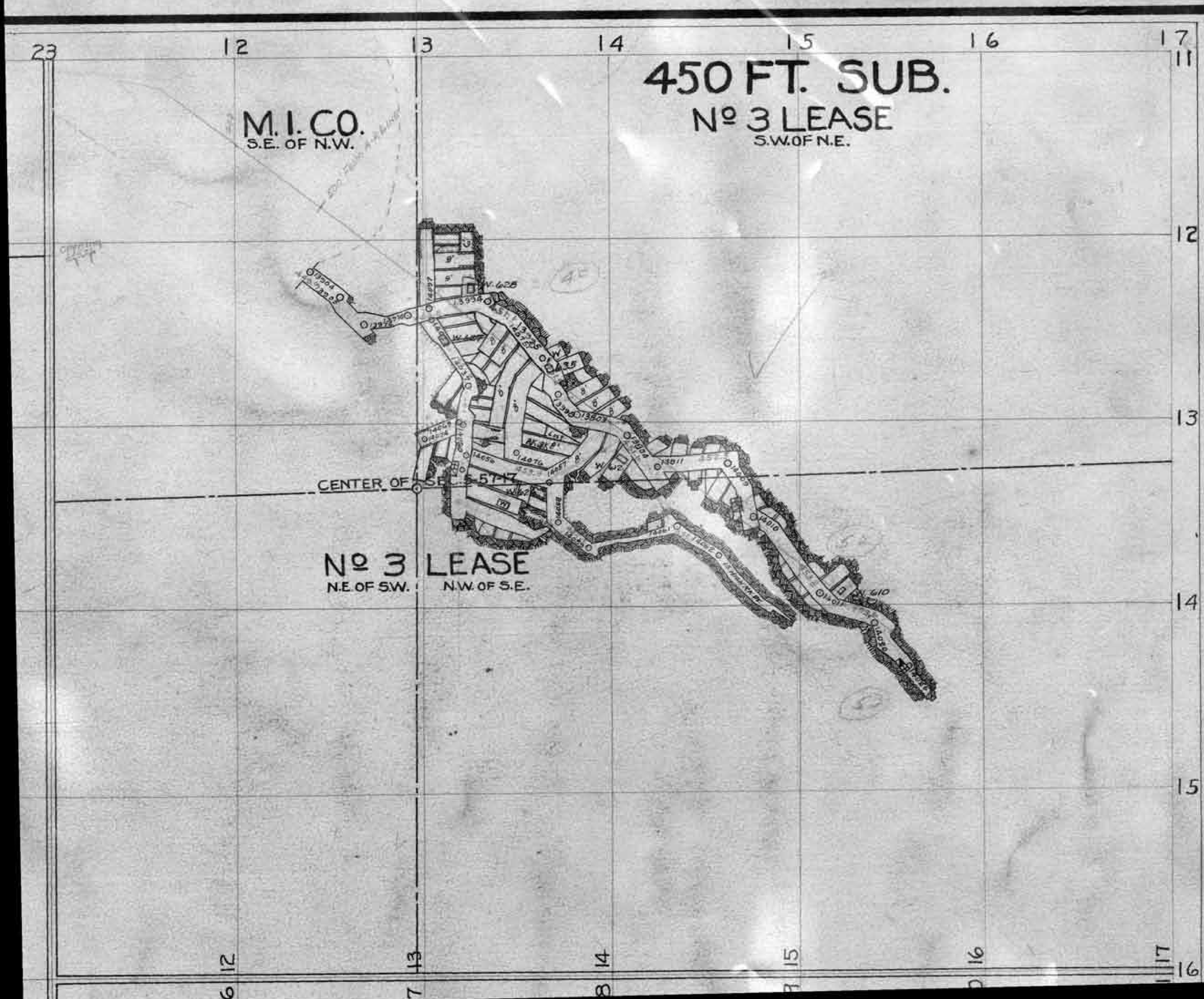
# 373 FT. SUB

## Nº 3 LEASE

N.E. OF S.W.
SEC. 5-57-17.

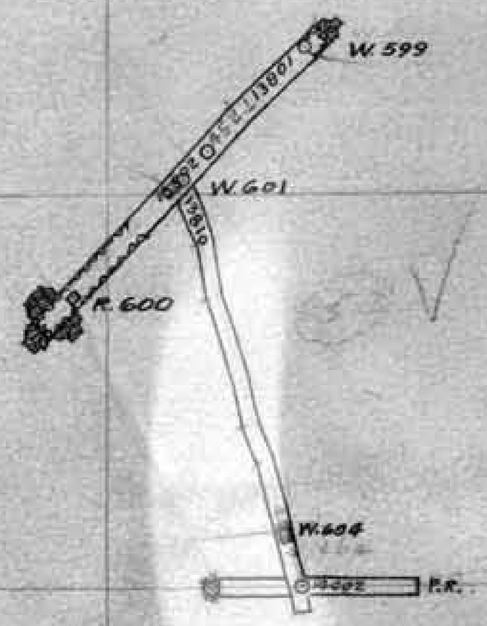



434FT.SUB
R.607
4' HIGH. R.R.
L.O.
L.O.
P.O.
R.608
INCL. TO SUR.
T.P. #613
T.P. #611


450 FT. SUB.
Nº 3 LEASE
S.W. OF N.E.
M. I. CO.
S.E. OF N.W.
CENTER OF SEC. 5-57-17
Nº 3 LEASE
N.E. OF S.W.
N.W. OF S.E.
23
12
13
14
15
16
17
11
12
13
14
15
16

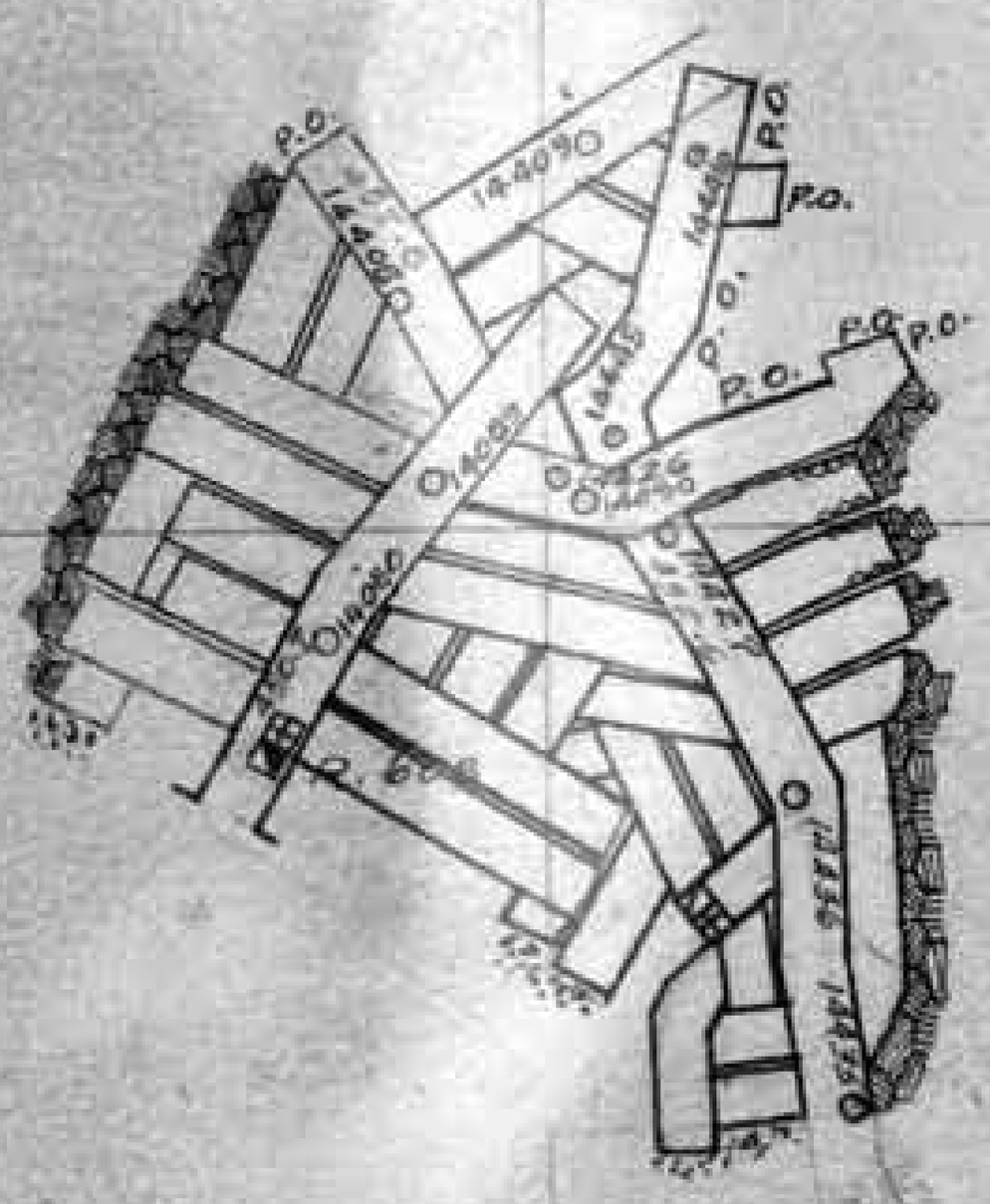
EAST & WEST 1-4 LINE SEC. 5-57-17.

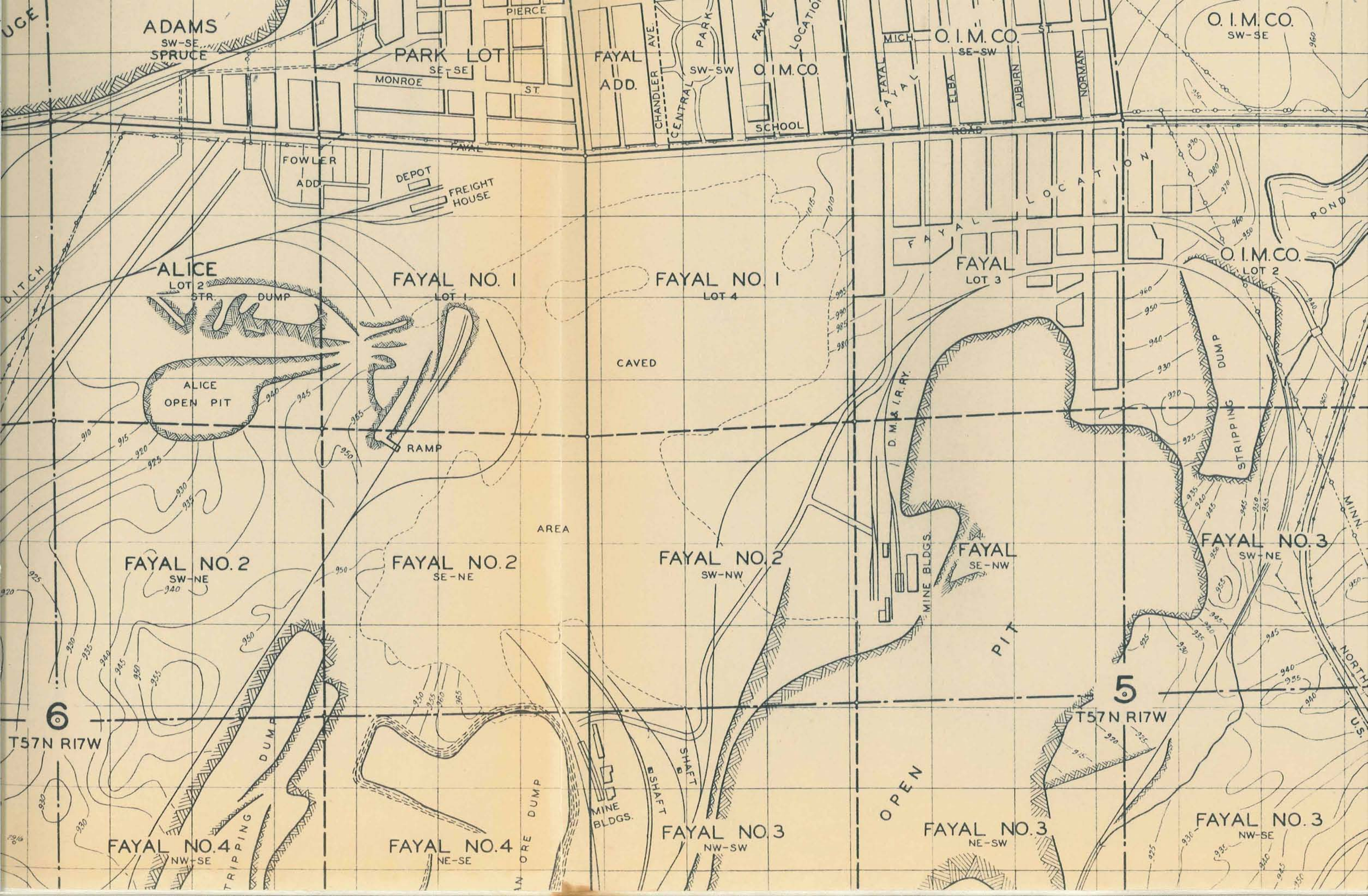
# 450 FT. SUB
## No 3 LEASE
N.W. OF S.E
SEC. 5-57-17.

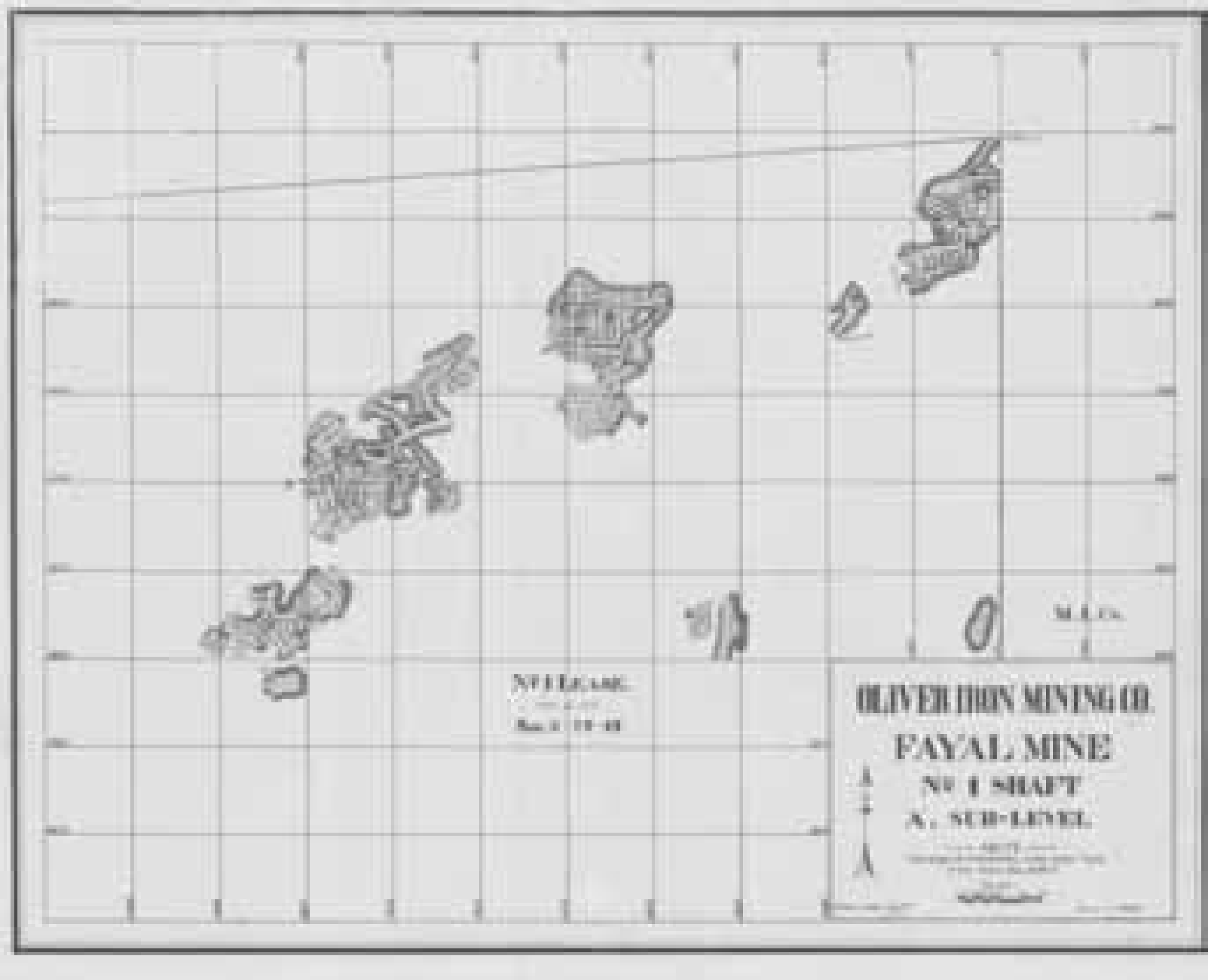


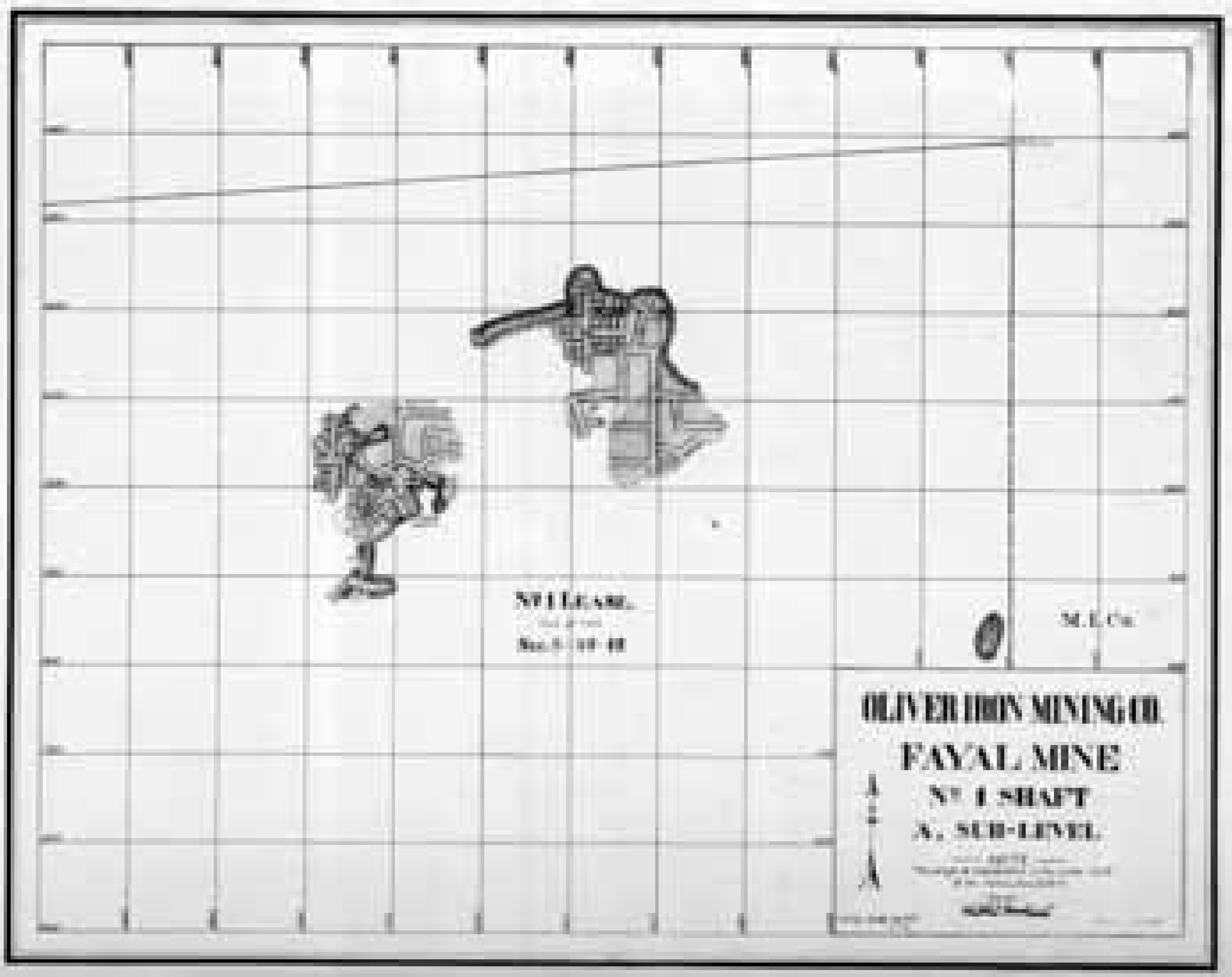

1 14
2 15
3 16
4 17
5 18
18 19 20 21 22 23

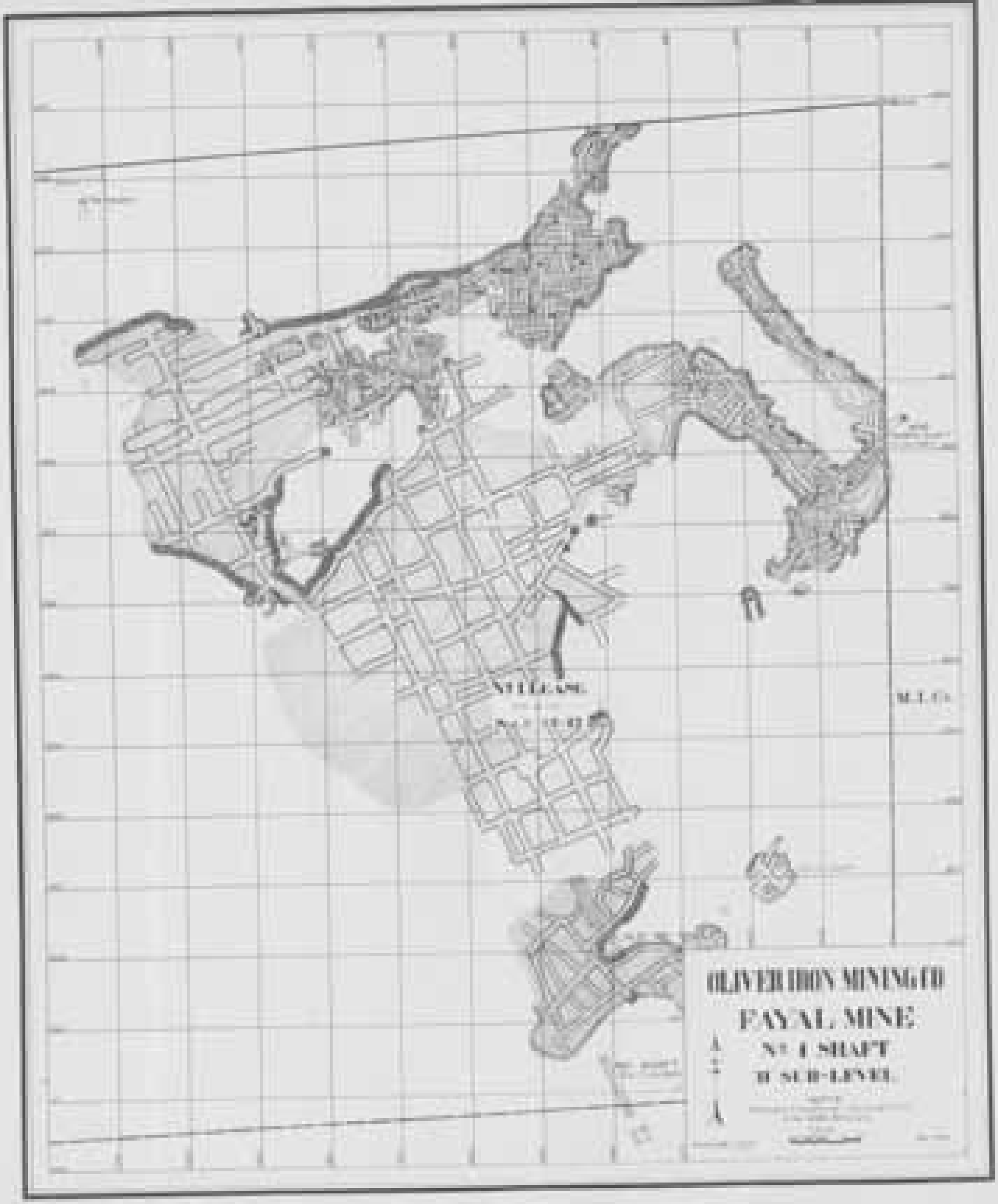
# 450 FT. SUB


P.O.
P.O.
P.O.


ADAMS
SW-SE
SPRUCE
PARK LOT
SE-SE
MONROE
ST.
PIERCE
FAYAL ADD.
CHANDLER AVE.
CENTRAL PARK
SW-SW
O.I.M.CO.
FAYAL LOCATION
SCHOOL
MICH.
O.I.M.CO.
SE-SW
ST.
FAYAL
ELBA
AUBURN
NORMAN
ROAD
O.I.M.CO.
SW-SE
FOWLER ADD.
DEPOT
FREIGHT HOUSE
FAYAL LOCATION
POND
DITCH
ALICE
LOT 2
STR. DUMP
FAYAL NO. 1
LOT 1
FAYAL NO. 1
LOT 4
CAVED
FAYAL
LOT 3
O.I.M.CO.
LOT 2
ALICE
OPEN PIT
RAMP
D.M.&I.R.RY.
DUMP
STRIPPING
AREA
FAYAL NO. 2
SW-NE
FAYAL NO. 2
SE-NE
FAYAL NO. 2
SW-NW
MINE BLDGS.
FAYAL
SE-NW
FAYAL NO. 3
SW-NE
MINN.
PIT
6
T57N R17W
5
T57N R17W
NORTH
U.S.
TRIPPING DUMP
ORE DUMP
MINE BLDGS.
SHAFT
SHAFT
OPEN
FAYAL NO. 4
NW-SE
FAYAL NO. 4
NE-SE
FAYAL NO. 3
NW-SW
FAYAL NO. 3
NE-SW
FAYAL NO. 3
NW-SE


OLIVER IRON MINING CO.
FAYAL MINE
No 1 SHAFT
A. SUB-LEVEL


OLIVER IRON MINING CO.
FAVAL MINE
Nº 1 SHAFT
A. SUB-LEVEL
M.L.Co.


OLIVER IRON MINING CO
FAYAL MINE
No 1 SHAFT
10 SUB-LEVEL

Oliver

563.89

RGGS (above Lake Sup.) 5-9-09

Fayal Mine #1 Shaft EL. 972.14 — 183.49 vertical ft. — S 33 W 377 SW-NW 5-57-17
(Hoisting equip removed 1905 + since used as Timber Shaft) — 1 reclined — OUTSIDE 6'8" x 19'8" (3 cmp)

" " New No. 1 Shaft - Timber Shaft. EL 965.33 — ≈ 1680' (2 cmp)
(Active 1928) — SW-NW 5-57-17 S 332 W 375 — OUTSIDE 7 x 12'4"

~~SE-NW 5-57-17~~

" " No. 2 Shaft EL 956.92 — 209.2' — S 322 W 1522 (3 cmp) — S 322 W 1522 SE-NE 6-57-17 — OUTSIDE 6'8" x 19'8"
(Shaft burned + caved - 1907) (Abandoned)

" " " Timber Shaft EL. 954.11' — 142.21' — OUTSIDE 12' x 12' (2 cmp)
(Shaft burned + caved - 1917) (caved) — S 836 W 1558 6-57-17

" " No. 3 Shaft EL 921.11 — 15.213 — (3 cmp) — OUTSIDE 6'8" x 19'8" (3 cmp)
(Abandoned 1904) — SE-NW 5-57-17 S 1200 E 140 — (Pump Rm) — pump rm

" " No. 3 Timber Shaft EL 979.57 — 133.27 — OUTSIDE 6'0" x 8'3"
(Abandoned + Caved) — N 392 W 757 NW-NW 5-57-17

" " No. 4 Shaft EL 946.23 — 288.91 — 371.1 — 210' level 1922 — (3 cmp) — OUTSIDE 8' x 22'
NW-SW 5-57-17 1/1914 — S 1630 W 968 NW-SW 5-57-17 — (Active? 1929)

" " No. 5 Shaft EL 948.90 — 265.00' — (2 cmp) — OUTSIDE 7'8" x 14' — S 1619 W 843 NW-SW 5-57-17

" " No. 5 Shaft (used as Timber Shaft) 1914

" " No. 6 Timber Shaft EL 1018.50 — 58.10' — (2 cmp) — OUTSIDE 5' x 7'4" — N 965 W 691 NW-NW 5-57-17
(Abandoned in 1913. Ground caved)

" " No. 7 Timber Shaft EL 1015.97 — 54.07' — (2 cmp) OUTSIDE 7' x 5' — N 1200 W 470 NW-NW 5-57-17
(Abandoned in 1912. Ground caved)

N 490 W 550 NW-NW 5-57-17 " " No. 8 Timber Shaft EL 987.01 — 114.81' — (2 cmp) outside 9'4" x 5'10"
(Active? 1929)

" " No. 9 Timber Shaft EL 978.26 — 100' — 99.86' — (2 cmp) OUTSIDE 9'4" x 5'10" — N 447 W 1568
(Inactive 10-18-28, Caved)

(Active? 1929) " " No. 15 Timber Shaft EL. 947.25 — 145' — (2 cmp) OUTSIDE 9' x 5' — S 477 W 2233 SE-NE 6-57-17

" " No. 17 Timber Shaft EL 955.35 — 265' — (2 cmp) 9'4" x 5' x 4" — S 951 W 2250
(Inactive 10-18-28, Caved)

* DRAWER #54 ~~CLARK~~ Chisholm Timber Shaft No. 9 - Caved.

Fayal Mine No. 18 Timber Shaft EL 952.94 S1065 W1222 SW-NW 5-57-17 180' (2 comp) 12' x 12' OUTSIDE
~~1929~~ STILL MTWE 1929

" " No. 21 Timber Shaft EL 986.31 N772 W1148 142' (2 comp) OUTSIDE ≈ 9' x 5' 4"
(Inactive 1928-28, Caved)

" " No. 22 Timber Shaft EL 973.12 N308 W147 5-57-17 86' (2 comp) OUTSIDE ≈ 9' x 5' 4"
(Caved) 1928

" " No. 23 Timber Shaft EL 918.4 S2615 E980 NE-SW 5-57-17 105.3' 456 SUD 405 SUD (2 comp) OUTSIDE ≈ 4+' x 5'
(Shaft still standing in Dec. 1928 but not in use)

" " No. 24 Timber Shaft EL 982.6 N1267 W1535 NE-NE 6-57-17 (2 comp) OUTSIDE ≈ 9.5 x 5'
(Tributary ore mined & shaft caved 1928)

" " No. 25 Timber Shaft EL 961.33 S60 W1656 186'
(Active 1929)