

# REPUBLIC IRON & STEEL CO.

VIRGINIA MINN.

## BESSEMER NO 3.

N.W. 1/4 SE 1/4 - 9-58-17.

Scale 1" = 50'

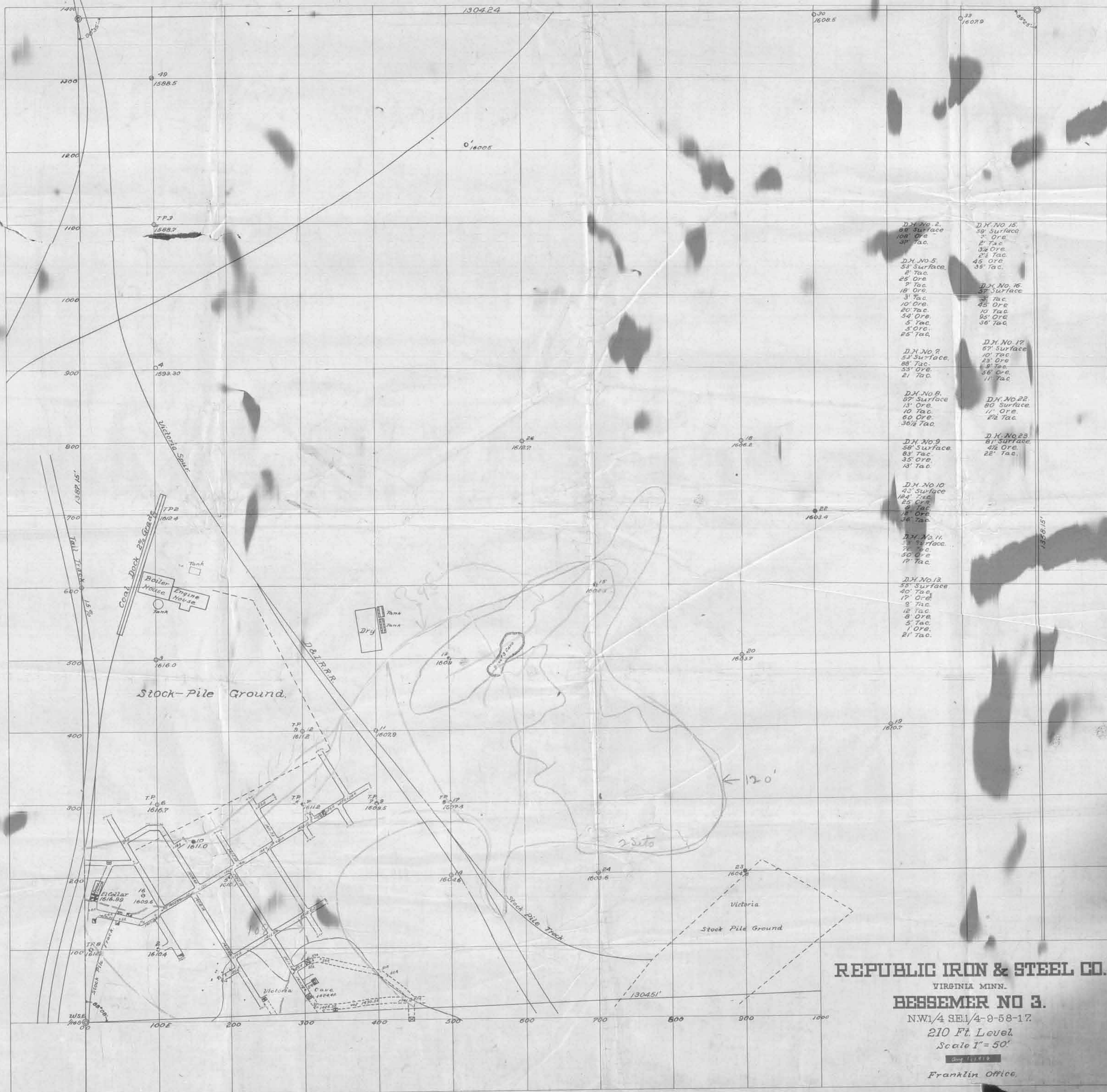
Aug 1, 1911

Franklin Office



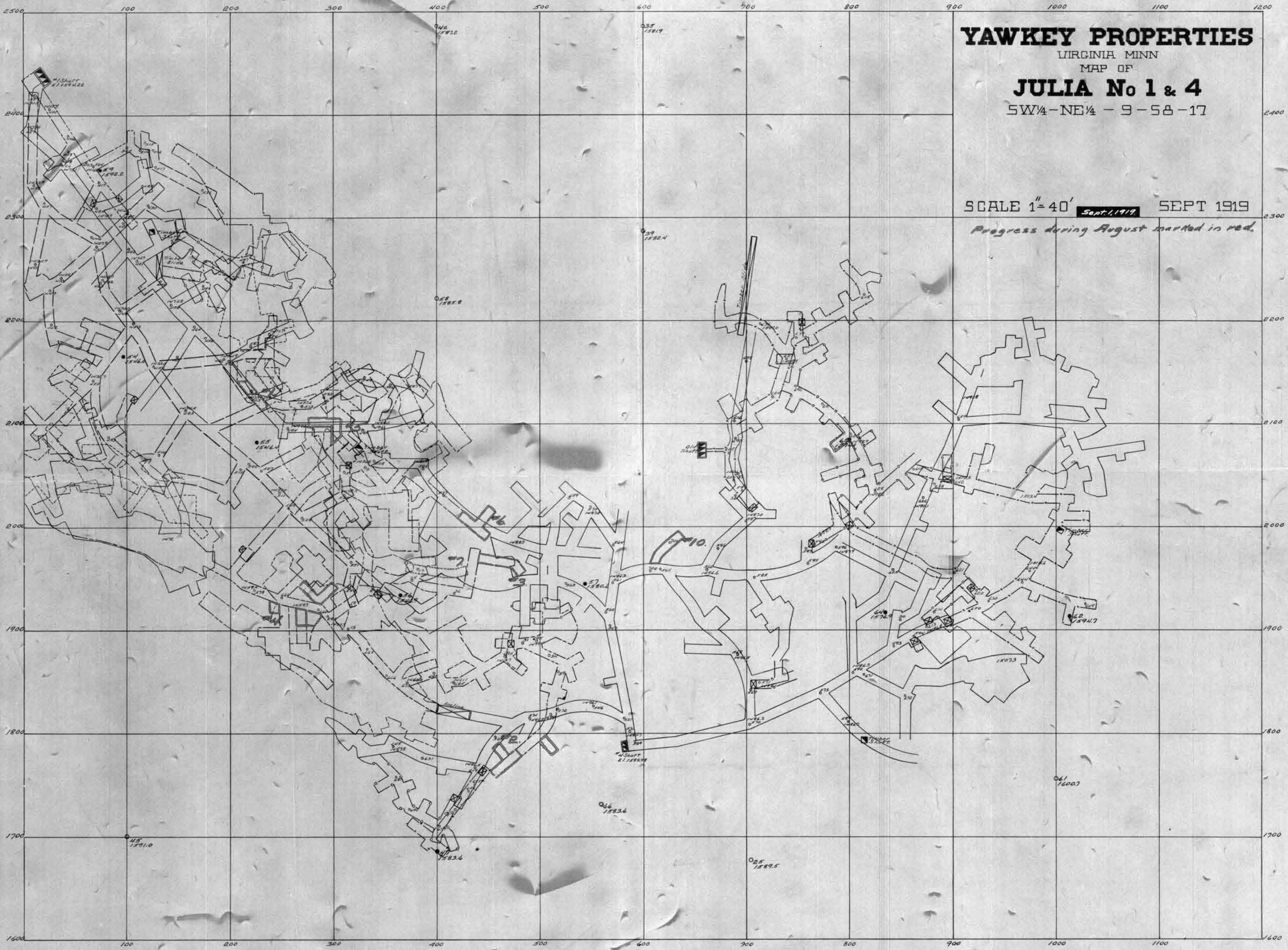
**REPUBLIC IRON & STEEL CO.**  
 VIRGINIA, MINN.  
**BESSEMER NO 3.**  
 NW1/4 SE1/4-9-58-17.  
 Scale 1" = 50'  
 Aug 1-1910  
 Franklin Office

200 Ft. Sub Levels



- D.H. No. 2.  
88' Surface  
108' Ore  
3' Tac.
- D.H. No. 5  
53' Surface  
2' Tac.  
25' Ore  
7' Tac.  
18' Ore.  
3' Tac.  
10' Ore.  
20' Tac.  
54' Ore.  
5' Tac.  
5' Ore.  
25' Tac.
- D.H. No. 7  
53' Surface.  
88' Tac.  
53' Ore.  
21' Tac.
- D.H. No. 8.  
87' Surface  
13' Ore.  
10' Tac.  
60' Ore.  
36 1/2' Tac.
- D.H. No. 9  
58' Surface.  
83' Tac.  
35' Ore.  
13' Tac.
- D.H. No. 10  
43' Surface  
184' Tac.  
25' Ore.  
8' Tac.  
18' Ore.  
1' Tac.
- D.H. No. 11  
33' Surface.  
76' Tac.  
50' Ore.  
17' Tac.
- D.H. No. 13  
53' Surface  
40' Tac.  
17' Ore.  
2' Tac.  
16' Tac.  
3' Ore.  
5' Tac.  
1' Ore.  
21' Tac.
- D.H. No. 15.  
39' Surface  
7' Ore.  
2' Tac.  
3 1/2' Ore.  
2 1/2' Tac.  
45' Ore.  
35' Tac.
- D.H. No. 16  
57' Surface  
3' Tac.  
45' Ore.  
10' Tac.  
28' Ore.  
36' Tac.
- D.H. No. 17  
57' Surface  
10' Tac.  
23' Ore.  
9' Tac.  
58' Ore.  
11' Tac.
- D.H. No. 22  
80' Surface  
11' Ore.  
2 1/2' Tac.
- D.H. No. 23  
81' Surface  
4 1/2' Ore.  
22' Tac.

**REPUBLIC IRON & STEEL CO.**  
 VIRGINIA MINN.  
**BESSEMER NO. 3.**  
 NW 1/4 SE 1/4 - 9-58-17.  
 210 Ft. Level  
 Scale 1" = 50'  
 Date 1/1/18  
 Franklin Office.



**YAWKEY PROPERTIES**  
VIRGINIA MINN  
MAP OF  
**JULIA No 1 & 4**  
SW¼-NE¼ - 9-58-17

SCALE 1"=40' **Sept. 1, 1919.** SEPT 1919  
*Progress during August marked in red.*

# 108' SUB LEVEL

3-N

2-N

1-N

0-0

1-E

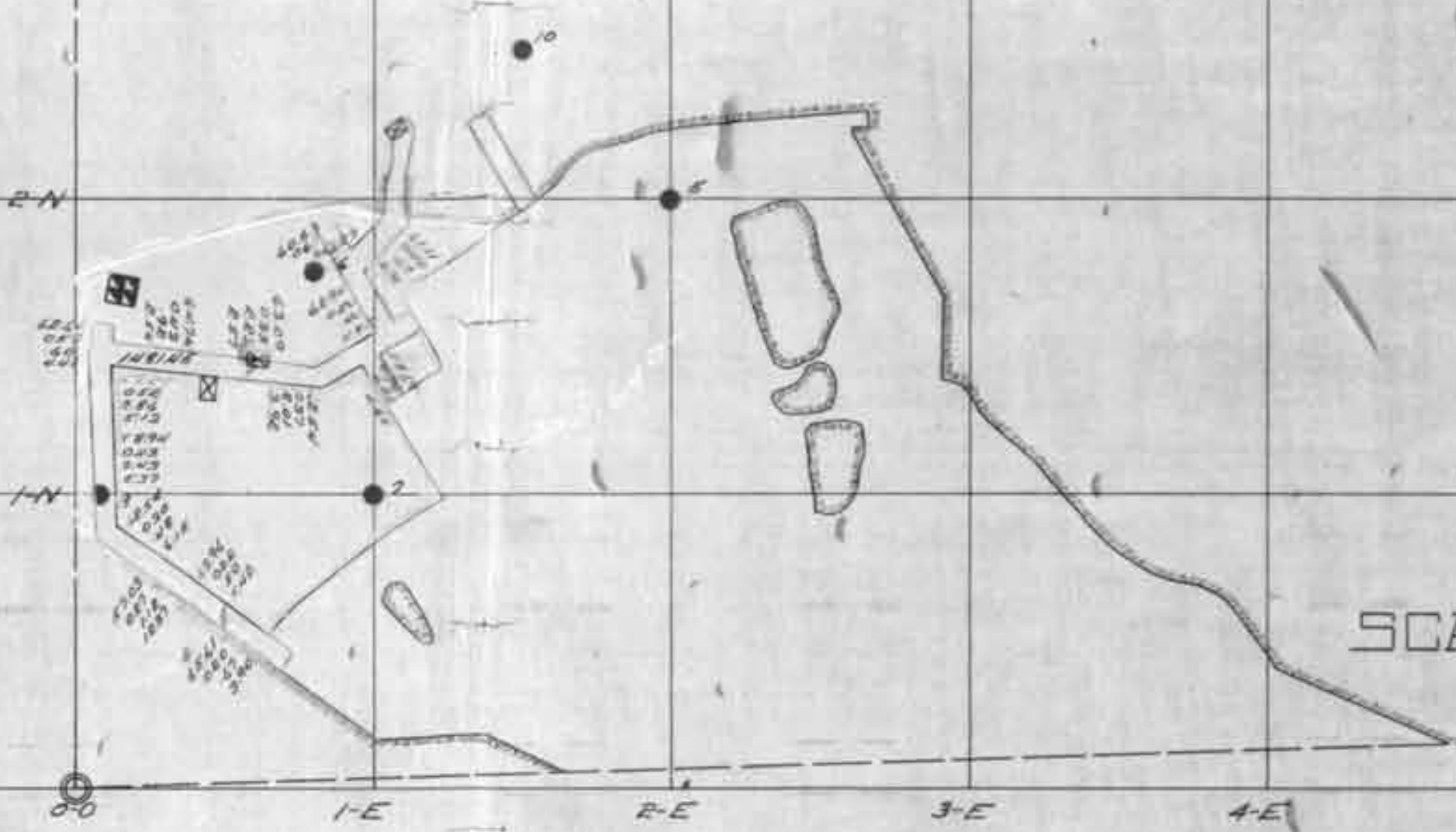
2-E

3-E



B # 21 + 22.

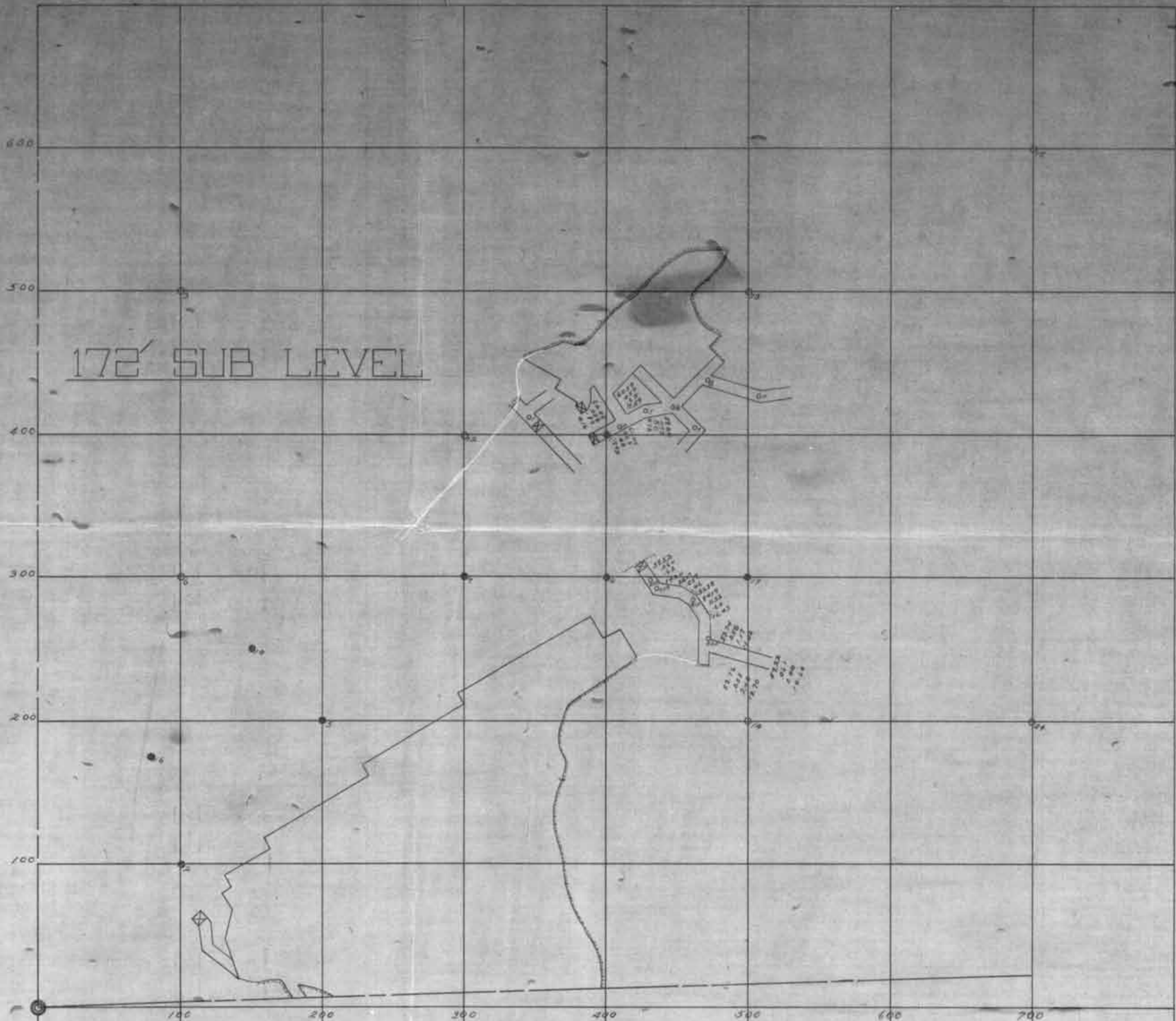
130' SUB LEVEL



# BESSEMER No 3

SCALE 1" = 50'

DEC 1912







**BESSEMER No. 3.**

SCALE 1"=50'

DEC 1912

210' LEVEL

300

200

100

100

200

300

400

500

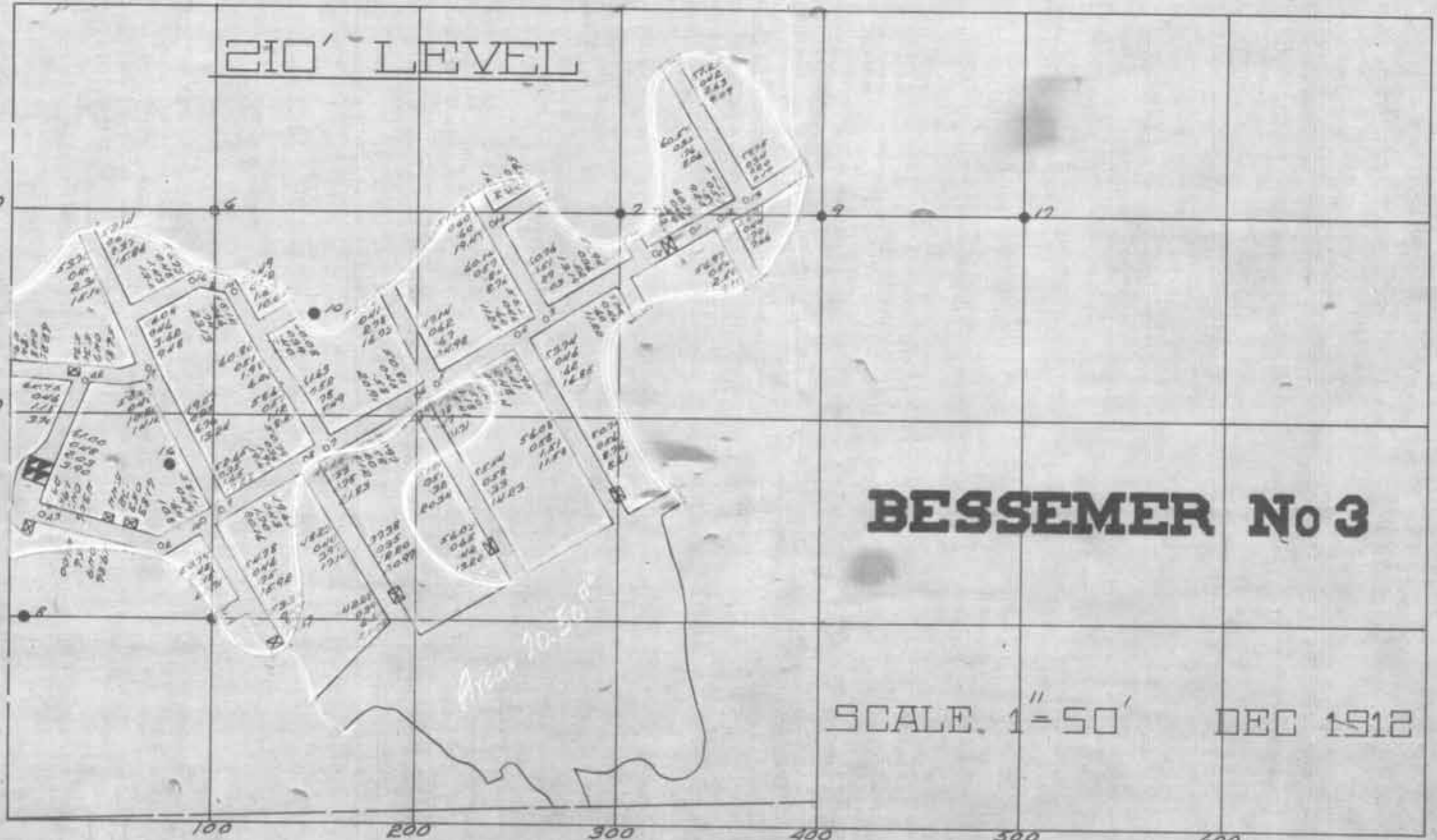
600

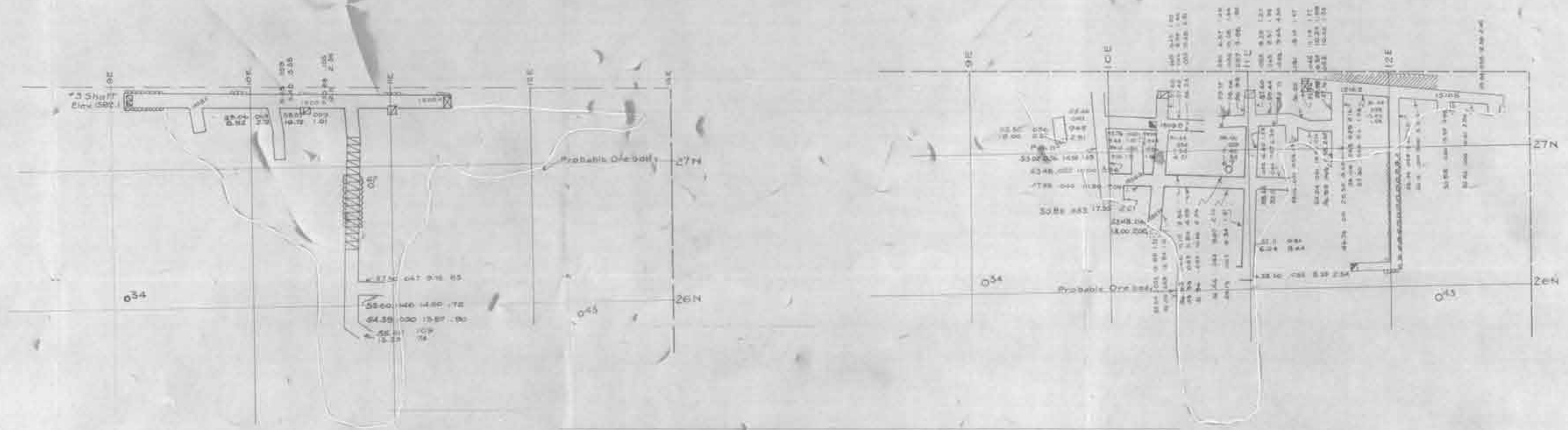
**BESSEMER No 3**

SCALE. 1" = 50'

DEC 1912

*Area 10.50 A*





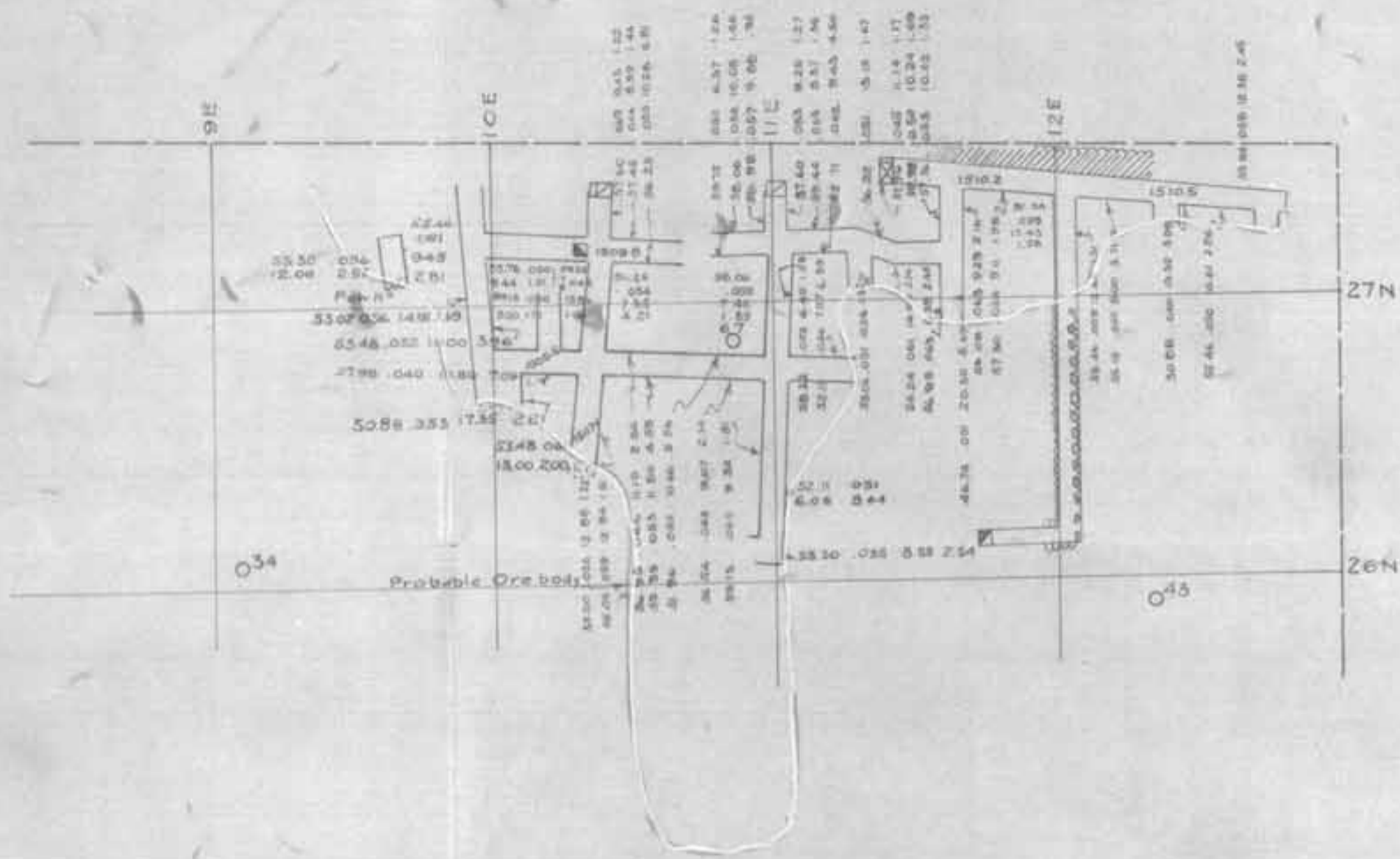
84' LEVEL

No. 3 SHAFT

72' SUB-LEVEL

SW 1/4, NE 1/4 Sec. 9:58:17  
AREA 4

REPUBLIC IRON & STEEL CO.  
DULUTH, MINN.  
ENGINEERING DEPARTMENT  
ANALYSIS MAP  
JULIA MINE  
SCALE 50' = 1" DATE Feb 25<sup>th</sup> 1919 APP.  
TRACED BY H.T. PRINTED

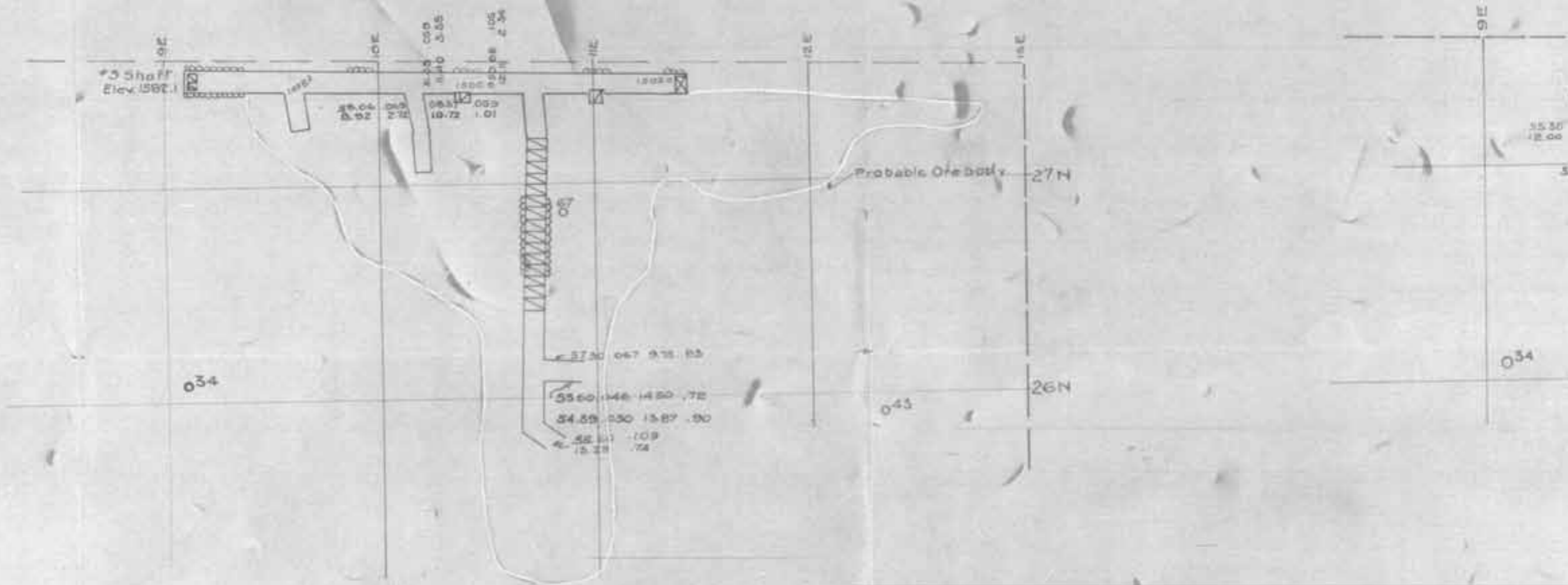


NO 3 SHAFT

72' SUB-LEVEL

NE 1/4 SEC. 9:58:17  
AREA 4

REPUBLIC IRON & STEEL CO.  
DULUTH, MINN.  
ENGINEERING DEPARTMENT  
ANALYSIS MAP  
JULIA MINE  
SCALE 50' = 1" DATE Feb 25<sup>th</sup> 19 APP.  
TRACED BY W.T. PRINTED FEB 26 1918

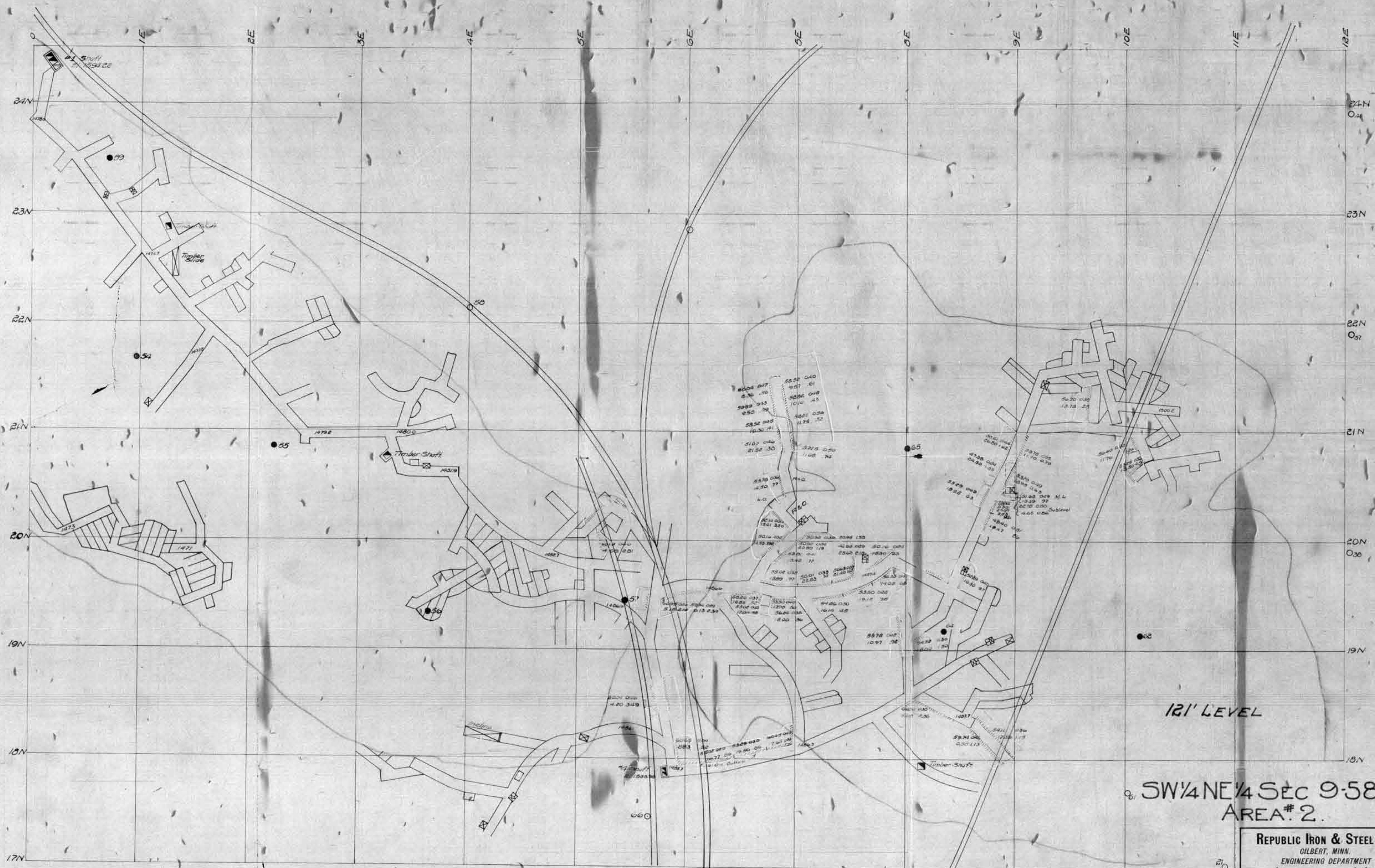


84' LEVEL

Nº3 SHAFT

SW¼. NE¼ SEC. 9:58:17  
 AREA 4





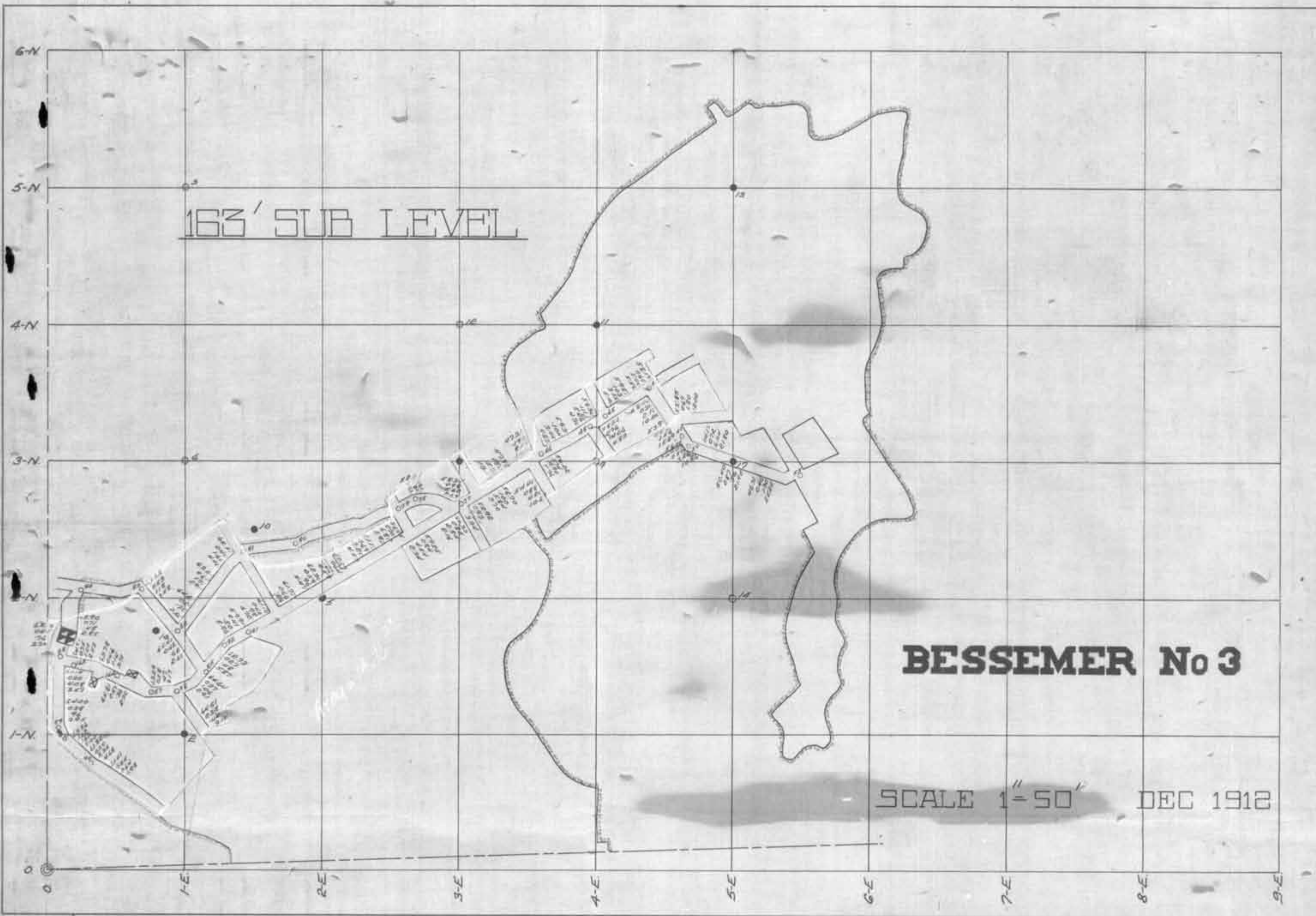
121' LEVEL

SW 1/4 NE 1/4 Sec 9-58-17  
AREA # 2.

REPUBLIC IRON & STEEL CO.  
GILBERT, MINN.  
ENGINEERING DEPARTMENT  
ANALYSIS MAP  
JULIA MINE  
SCALE 1"=40' DATE 2-15-19 APP.  
TRACED BY KGR. PRINTED







163' SUB LEVEL

**BESSEMER No 3**

SCALE 1" = 50' DEC 1912

B-# 23.

172' SUB LEVEL



**BESSEMER No. 3.**

SCALE 1"=50'

DEC 1912

B

210' LEVEL

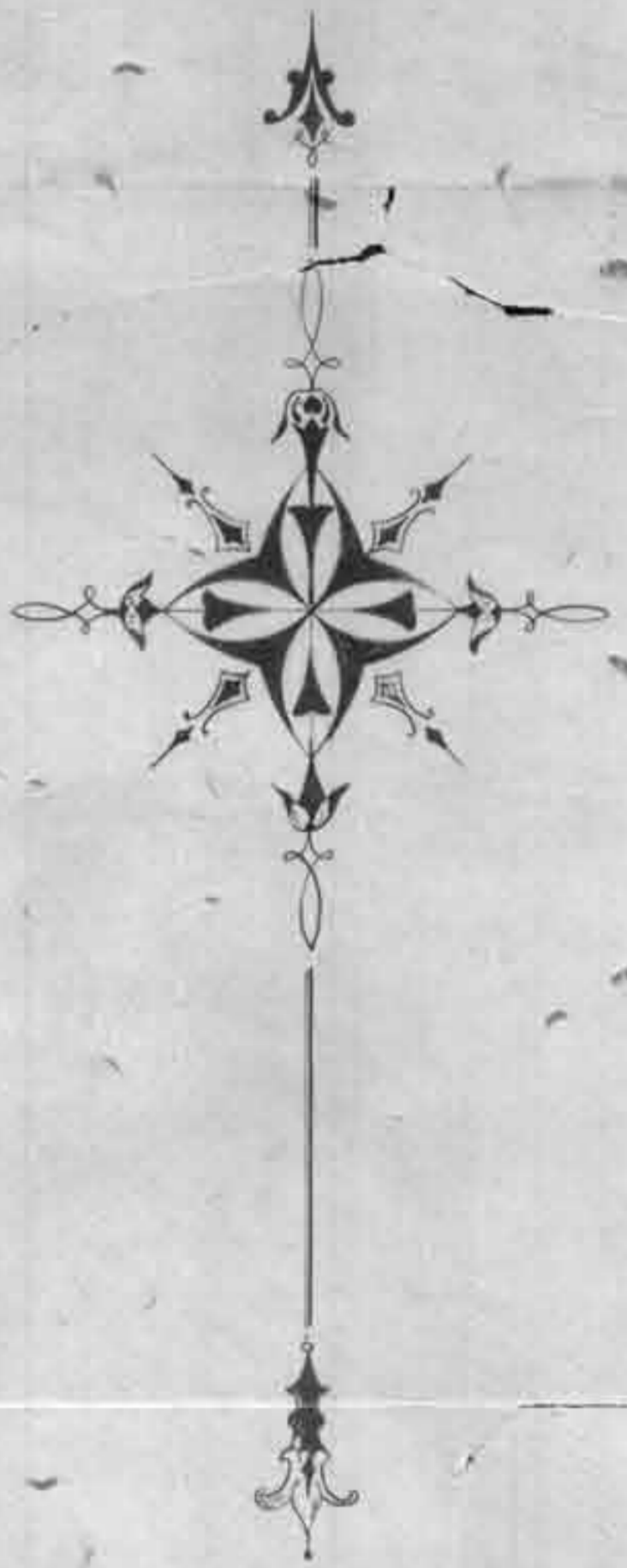
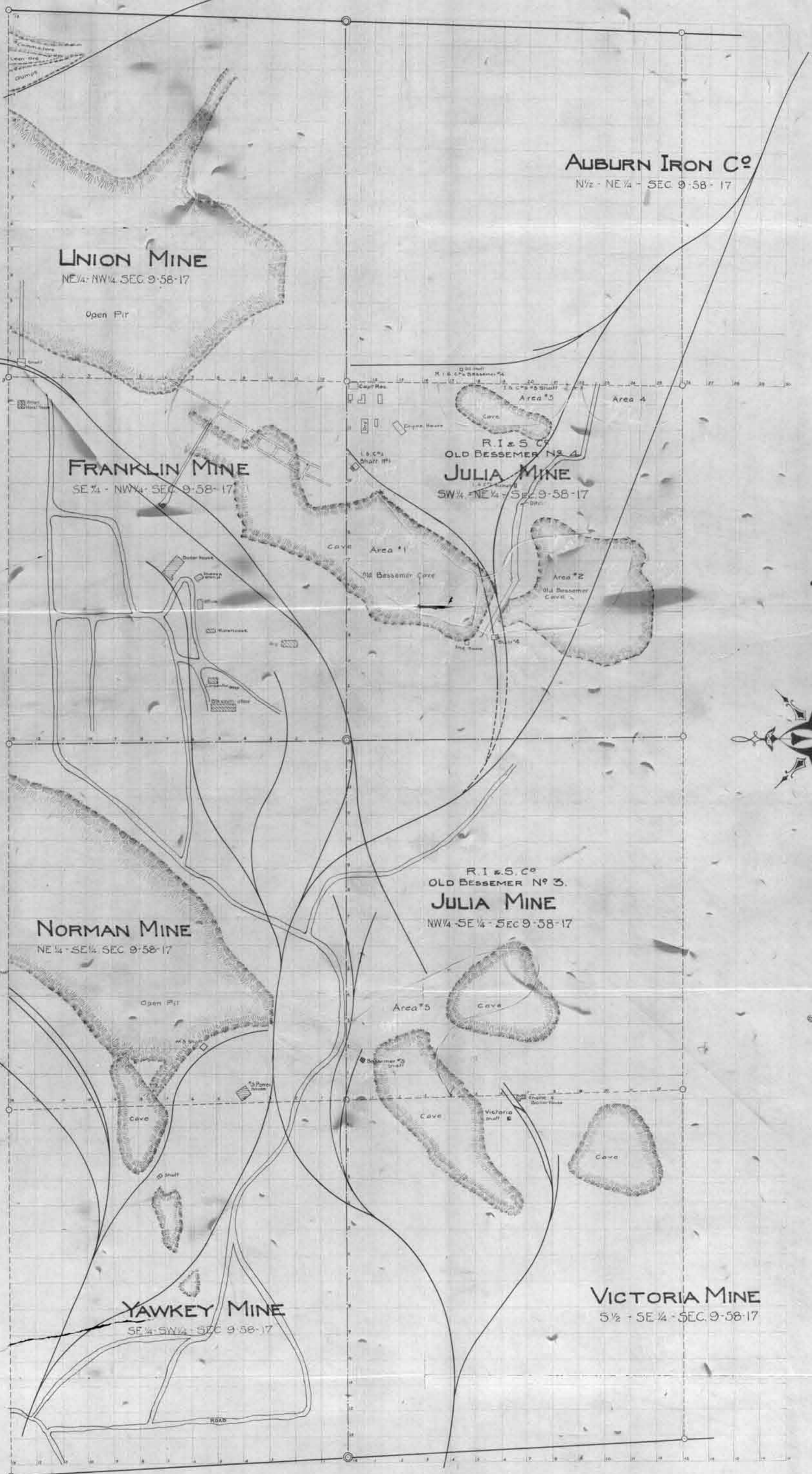


**BESSEMER No 3**

SCALE. 1" = 50'

DEC 1912

B-# R6.



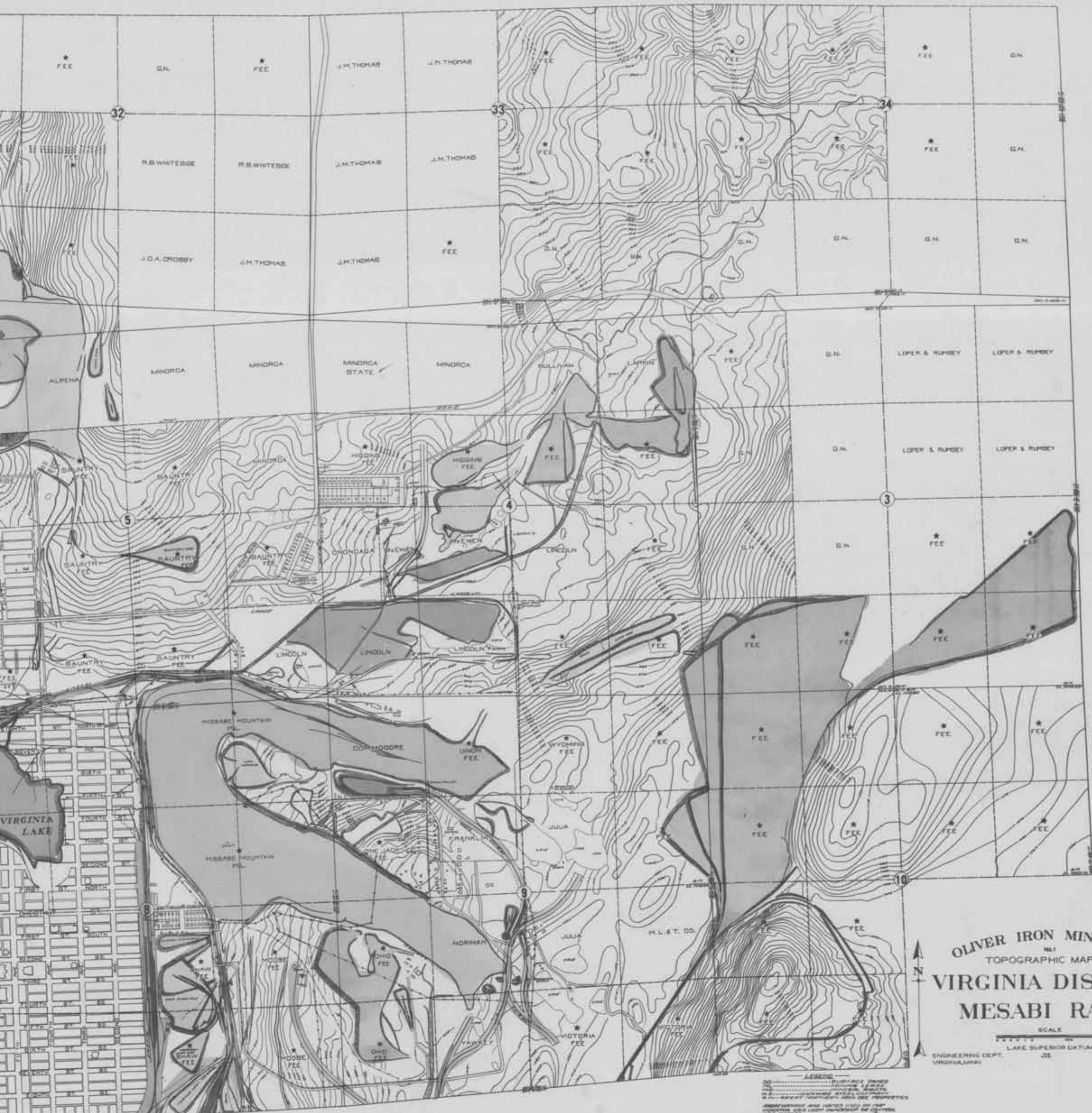
**REPUBLIC IRON & STEEL CO.**  
 DULUTH, MINN.  
 ENGINEERING DEPARTMENT  
 R.I.S. CO'S & JULIA MINES  
 VIRGINIA, MINNESOTA  
 DATE Feb. 12, 1919  
 DRAWN BY W.T.  
 PRINTED BY W.T.



OLIVER IRON MINING CO.  
TOPOGRAPHIC MAP OF  
**VIRGINIA DISTRICT  
MESABI RANGE**

SCALE  
1:50,000  
L.A.R. SUPERIOR DATUM  
JAN. 1920

LEGEND  
Contours  
Roads  
Rivers  
Lakes  
Buildings  
Vegetation  
Elevation



OLIVER IRON MINING CO.  
 No. 1  
 TOPOGRAPHIC MAP OF  
**VIRGINIA DISTRICT**  
**MESABI RANGE**  
 SCALE  
 1" = 1000'  
 ENGINEERING DEPT. VIRGINIA, MINN.  
 LAKES SUPERIOR DATUM  
 25  
 JAN. 1920

**LEGEND**  
 - - - - - SURFACE OWNED  
 - - - - - SURFACE LEASED  
 - - - - - MINING CONVEYANCE  
 - - - - - MINING CLAIM  
 - - - - - MINING CONVEYANCE  
 - - - - - MINING CLAIM  
 - - - - - MINING CONVEYANCE  
 - - - - - MINING CLAIM





WYOMING  
NW NE

WYOMING  
NE NE

WYOMING  
SE NE

JULIA  
SW NE

JULIA  
NW SE

JULIA REED  
NE SE

VICTORIA  
SW SE

VICTORIA  
SE SE

E. W. COONS CO., INC.

MAP OF

JULIA MINE

SW NE, NW SE SEC 9 T58N R17W

SCALE  
200 100 0 100 200  
Feet

DATUM  
To Date 1952  
SEPT. 1, 1951  
H.M.M.

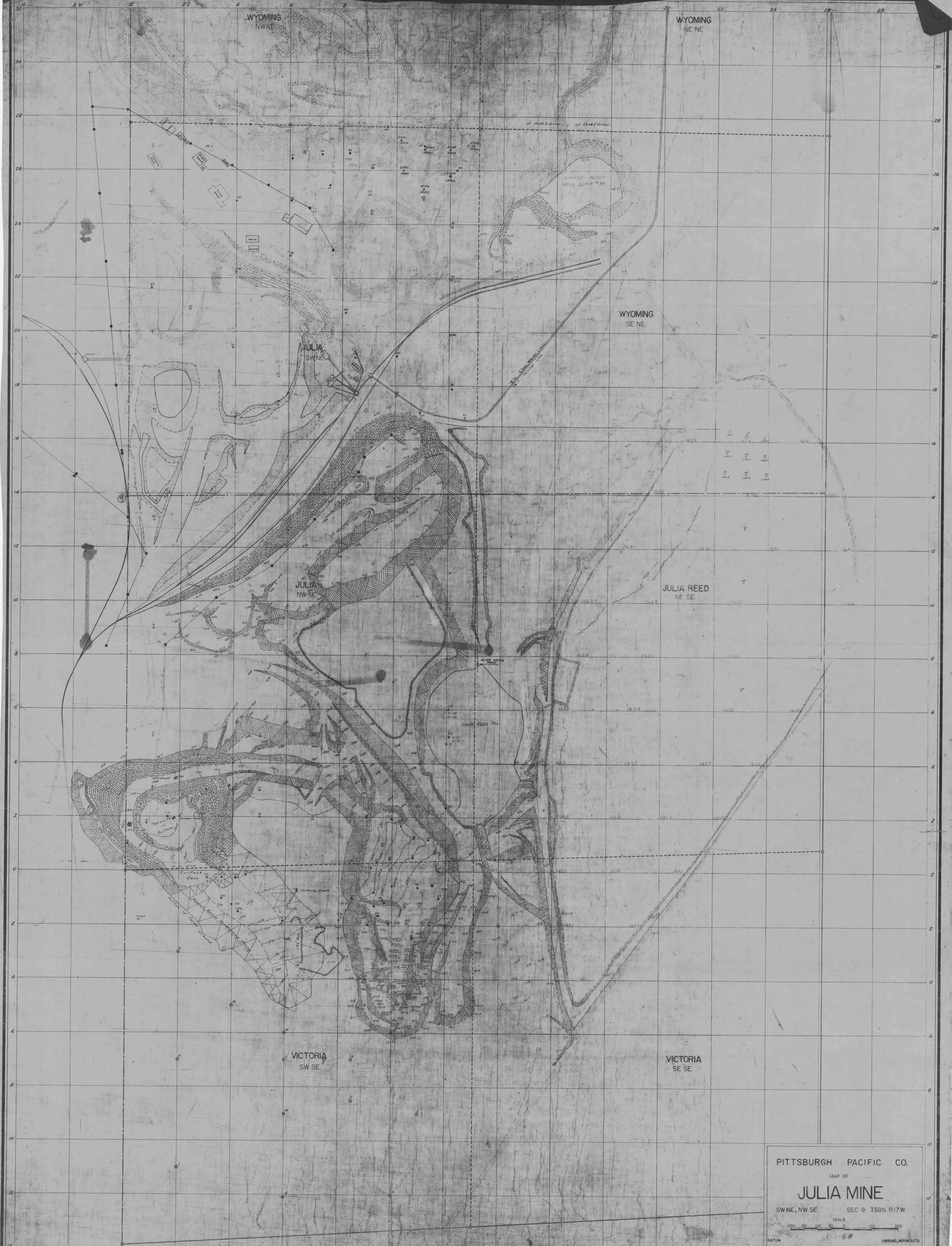
HIBBING, MINNESOTA

37182  
2-18 516 E

WINDLEFIELD

SHAWAN  
CAMP 341 E



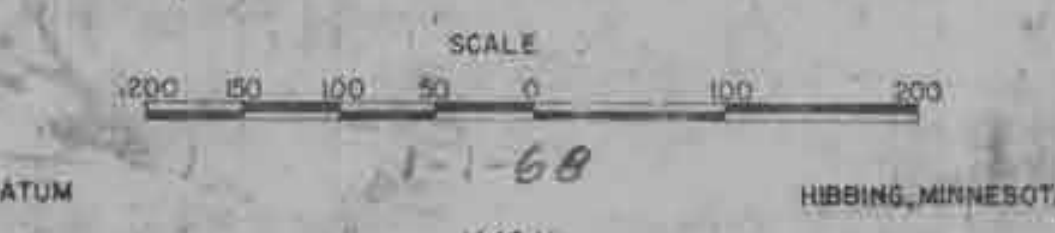


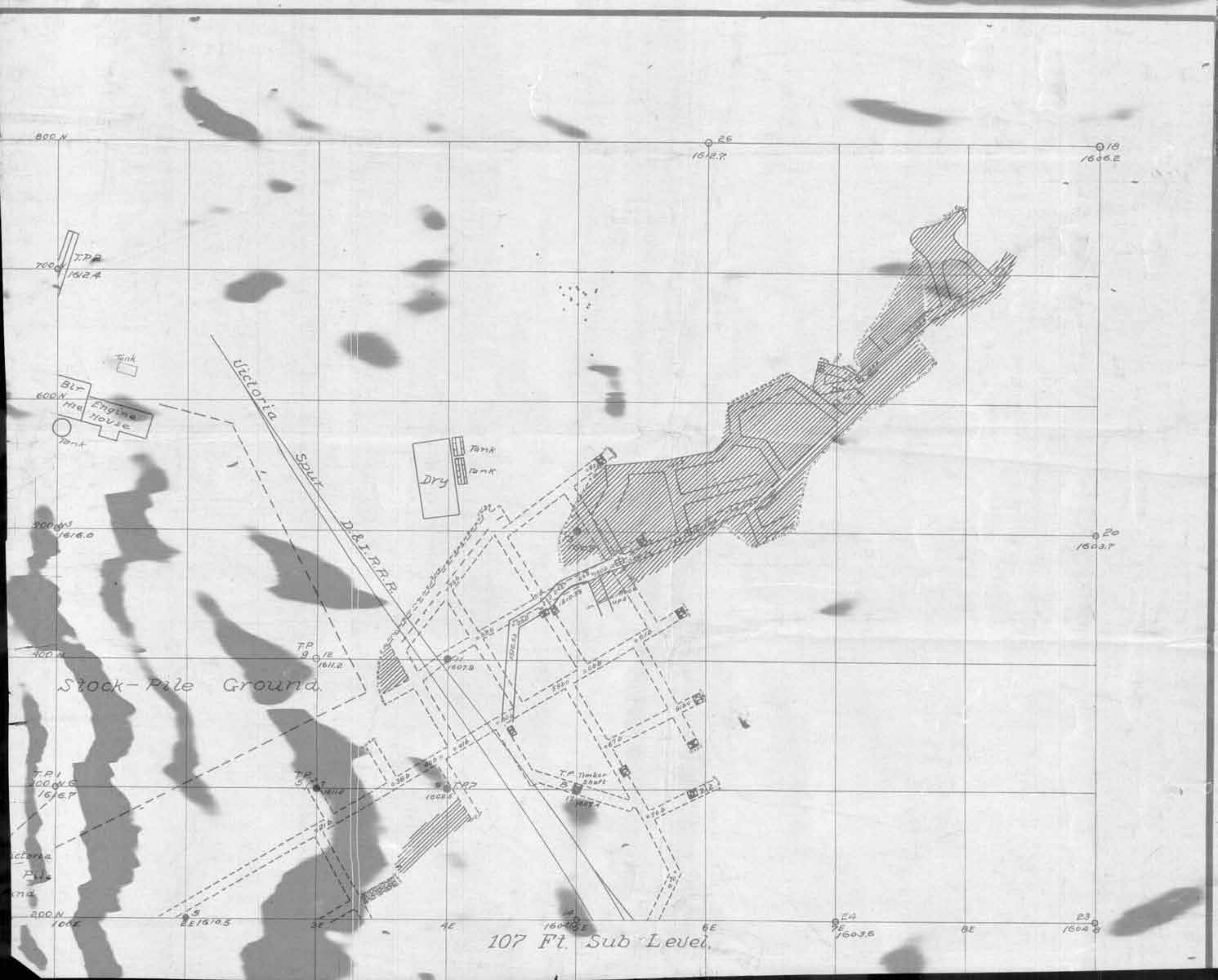
PITTSBURGH PACIFIC CO.

MAP OF

# JULIA MINE

SWNE, NW SE SEC 9 T58N R17W





800 N  
700 N  
600 N  
500 N  
400 N  
300 N  
200 N  
100 N

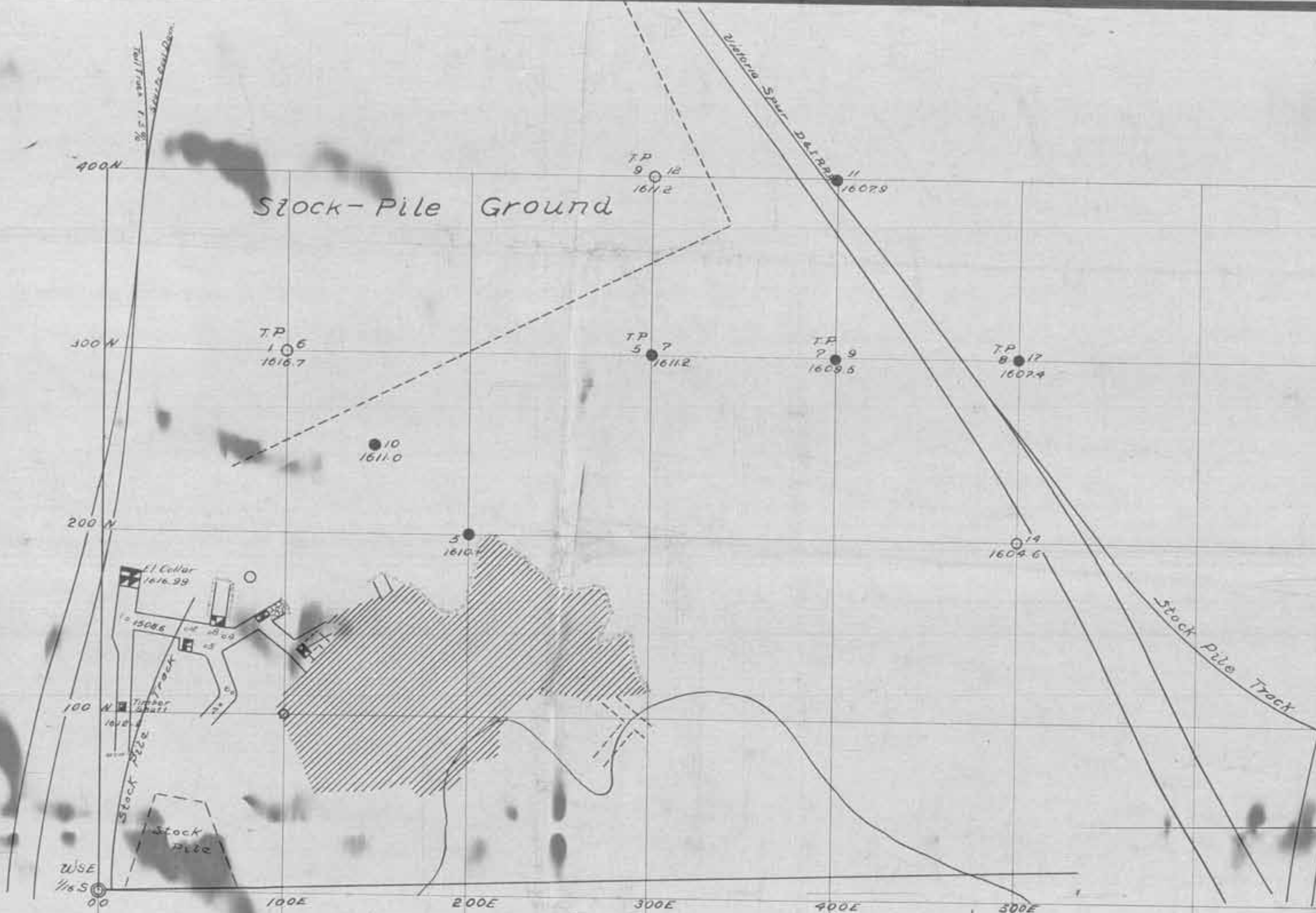
1612.2  
1612.7  
1616.0  
1611.2  
1616.7  
1619.5  
1604.2  
1603.6  
1604.8

25  
18  
20  
23

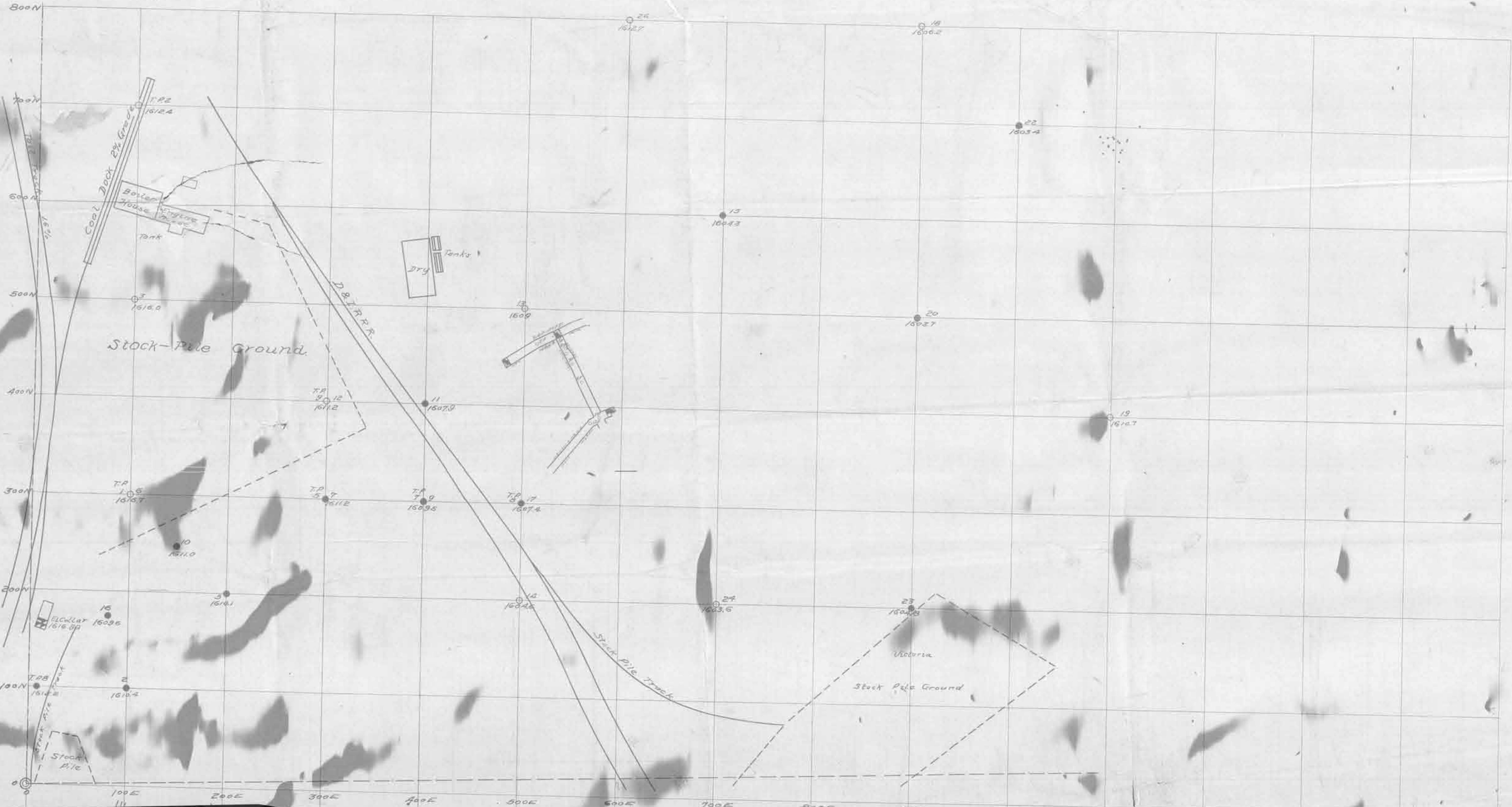
T.P. 2  
1612.2  
Tank  
Blr  
600 N  
1612.2  
Engine House  
Tank  
Victoria Spuit  
D. & I. R.R.  
Dry  
Tank  
Tank  
TP 9  
1611.2  
1607.0  
TP 5  
1616.7  
1602.0  
T.P. Timber Shop  
1604.2  
1603.6

Stock-Pile Ground

107 Ft. Sub Level



108 Ft. Level.



Stock-Pile Ground.

T.P.  
9 12  
16112

11  
16078

T.P.  
1 6  
16167

T.P.  
5 7  
16112

T.P.  
2 9  
16095

T.P.  
8 12  
16074

10  
16110

18  
16096

24  
16096

F1 Collar  
1616 99

16  
16096

T.P.  
100 100  
16122

8  
16109

Stock  
Pile

WSE  
166  
00

136 Ft. Level.



800N

700N  
TP2  
1612.4

Tank  
Baile  
144  
Engine House  
Trunk

500N  
3  
1616.0

Stock-Pile Ground

400N

TP 9 12  
1611.2  
11  
1607.9

TP 1  
300N 5  
1616.7

TP 5 7  
1611.2

TP 7 9  
1609.5

TP 8 10  
1607.4

200N

10  
1611.0

5  
1610.1

14  
1608.6

24  
1603.6

100N  
2  
1612.4

100E

200E

3E

4E

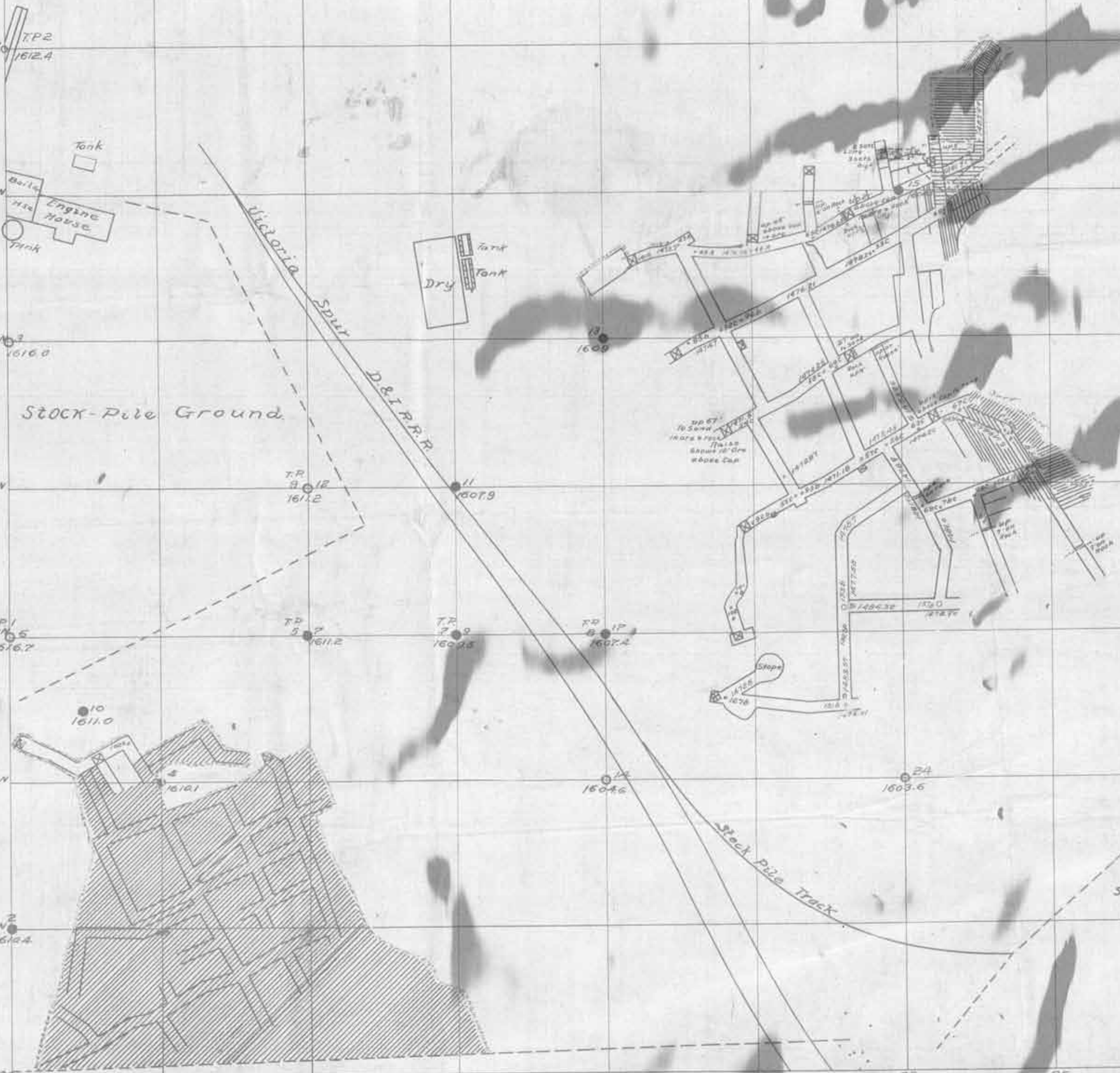
5E

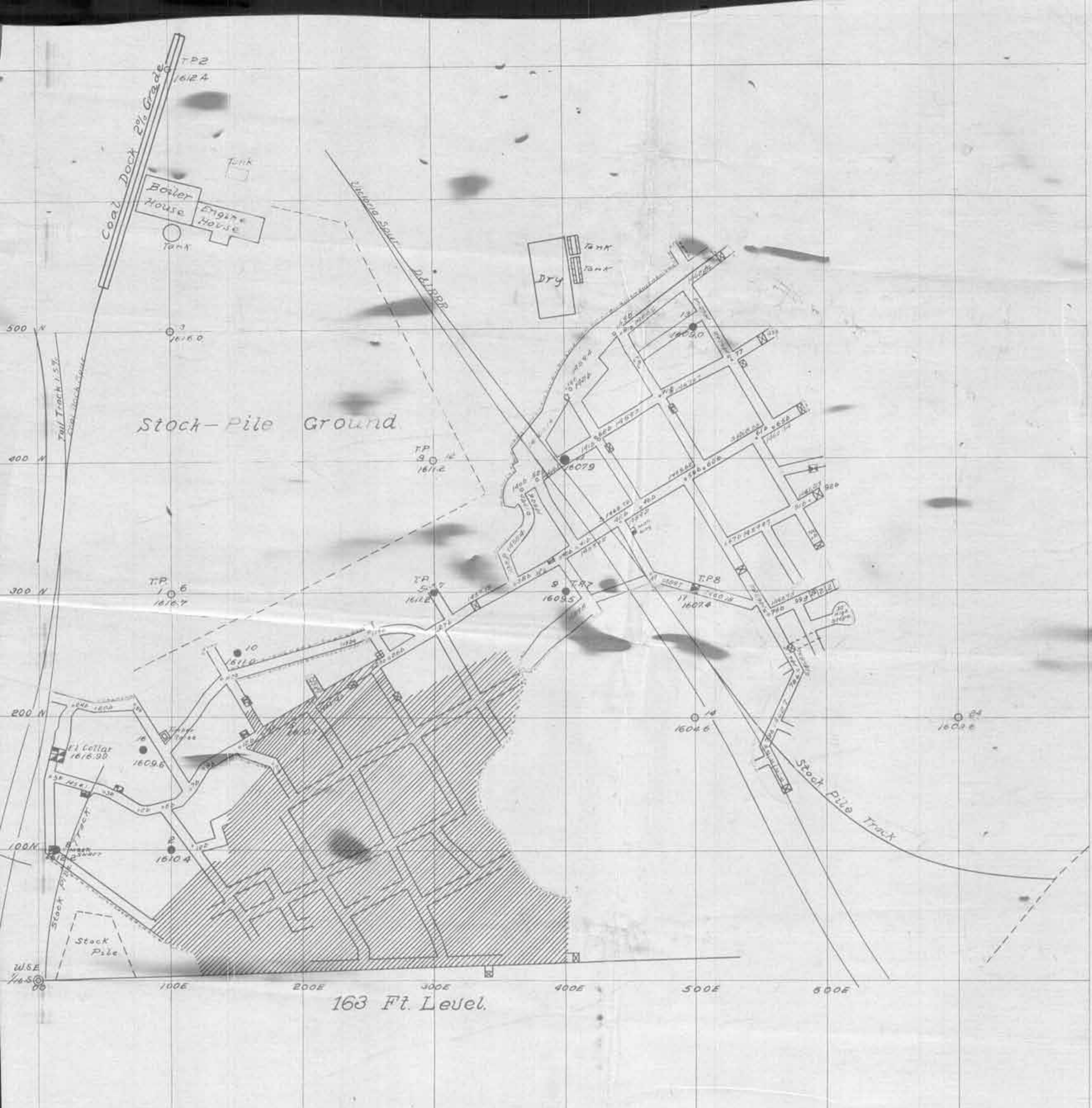
6E

7E

8E

144 Ft. Sub Levels





**REPUBLIC IRON & STEEL CO.**

VIRGINIA MINN.

**BESSEMER NO 3.**

NW1/4 SE1/4-9-58-17.

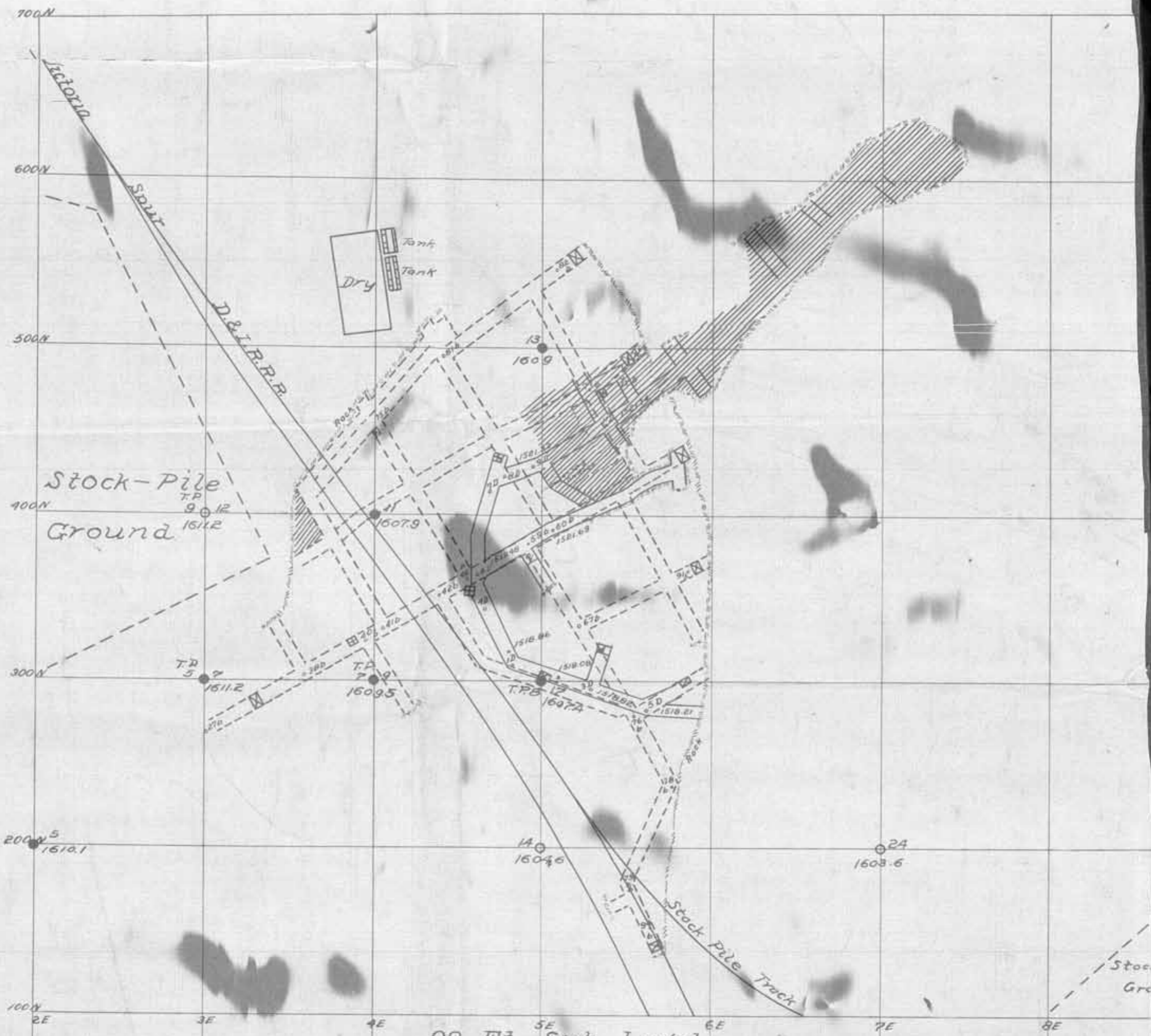
Scale 1" = 50'

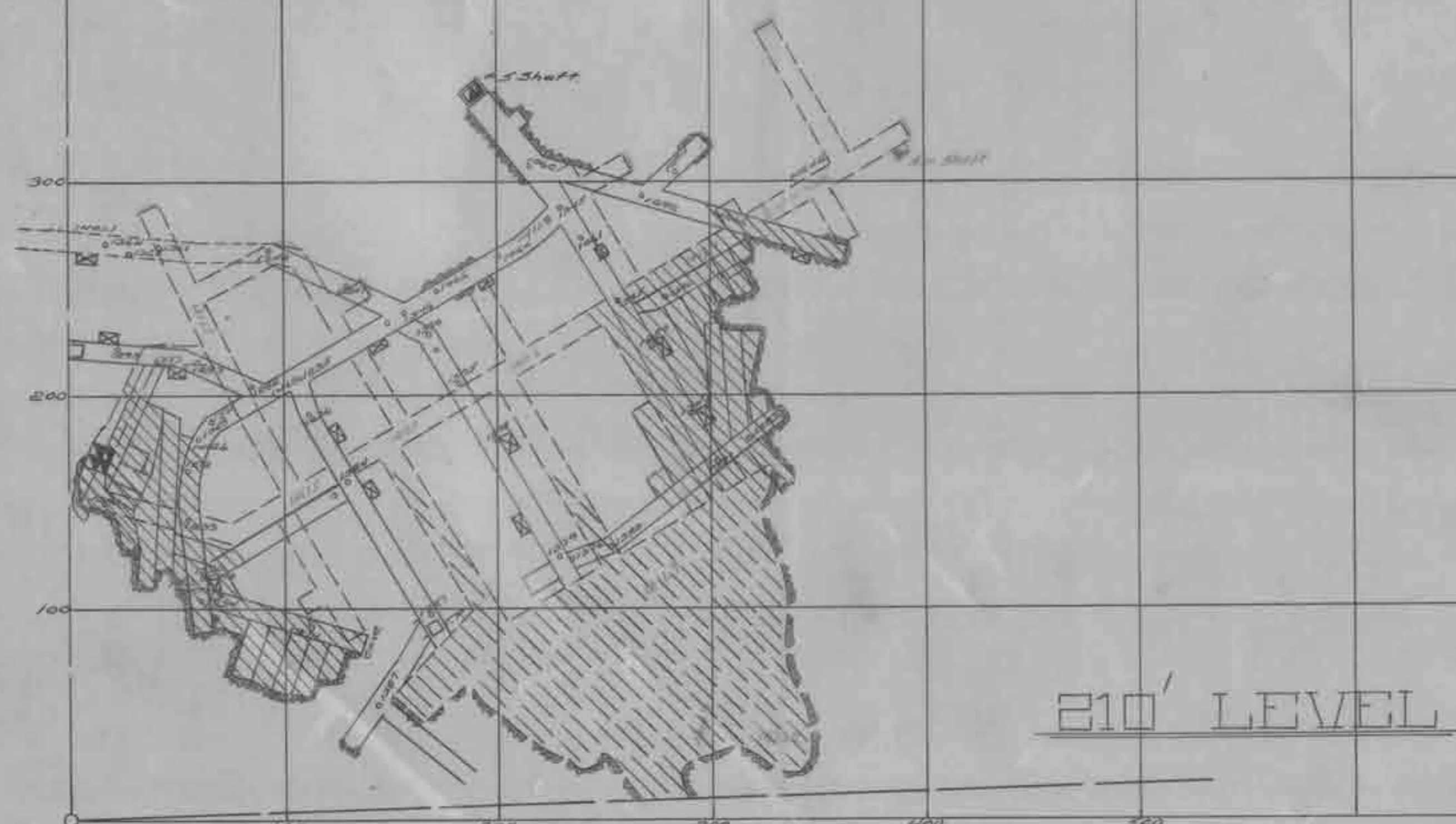
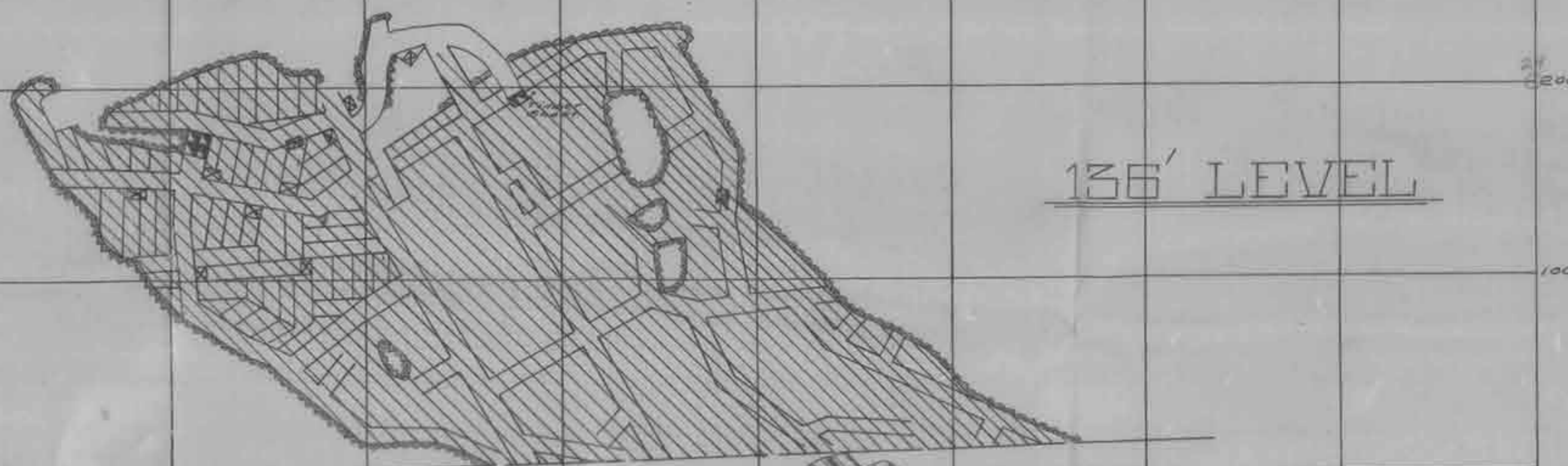
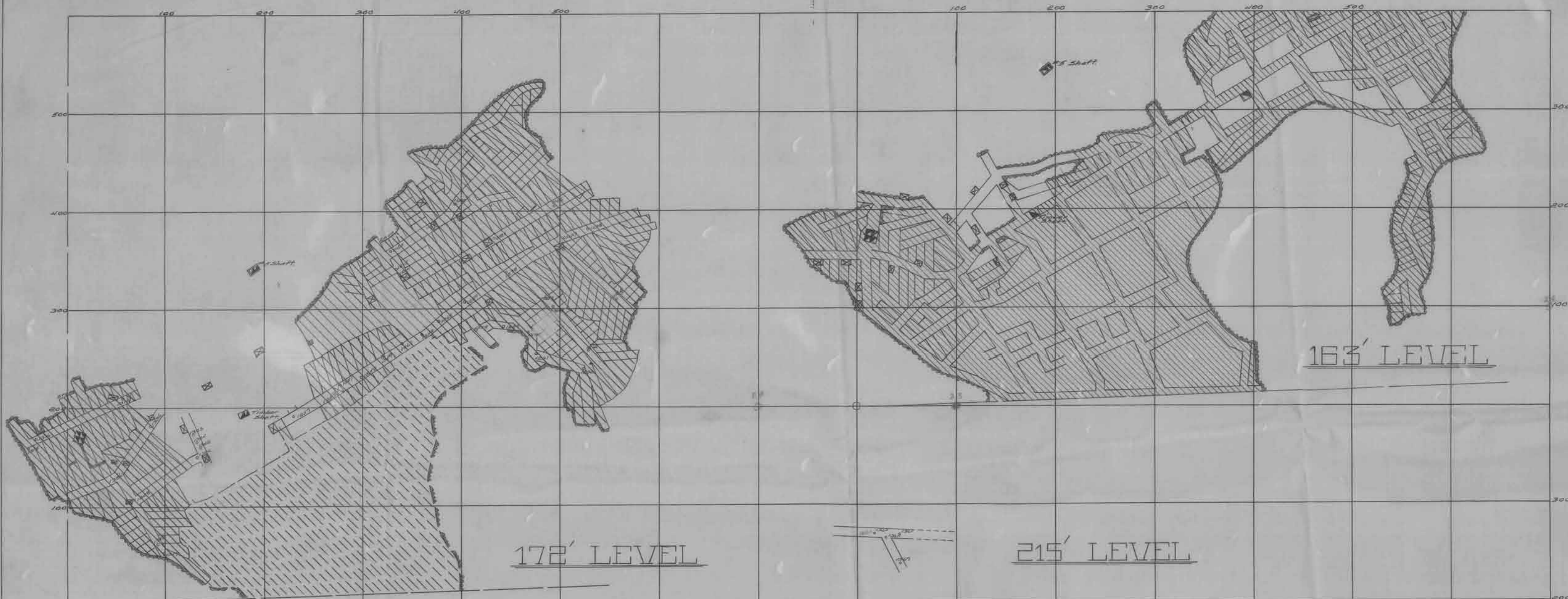
Franklin Office.

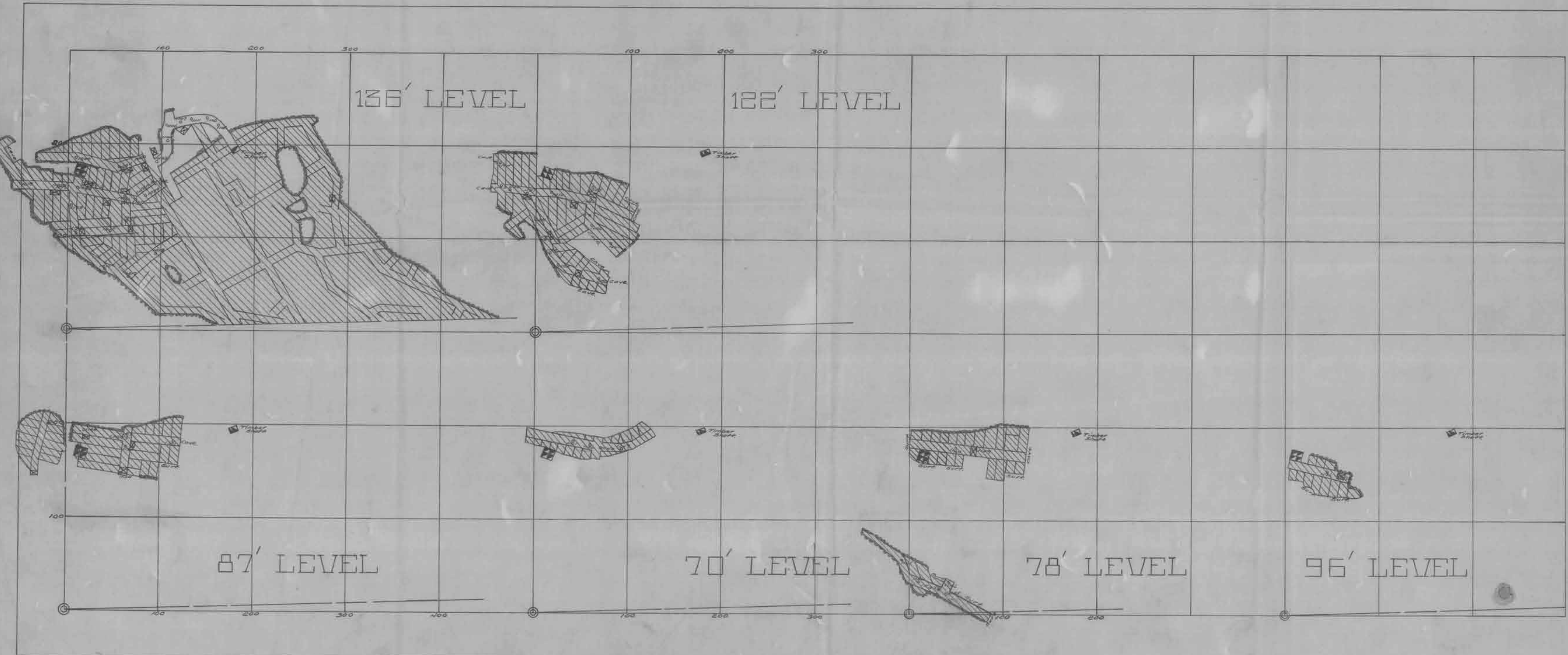


182 Ft. Level.

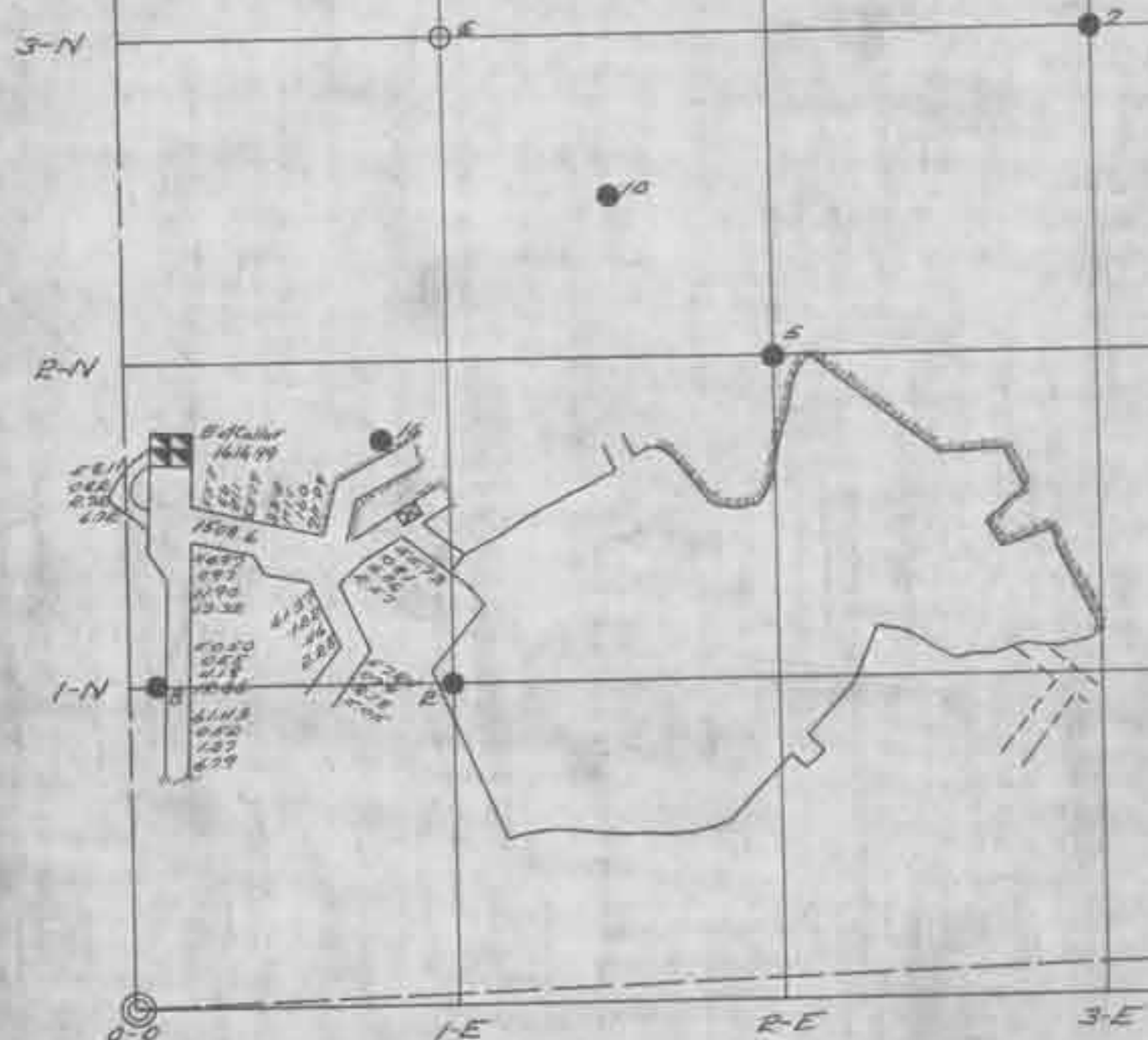




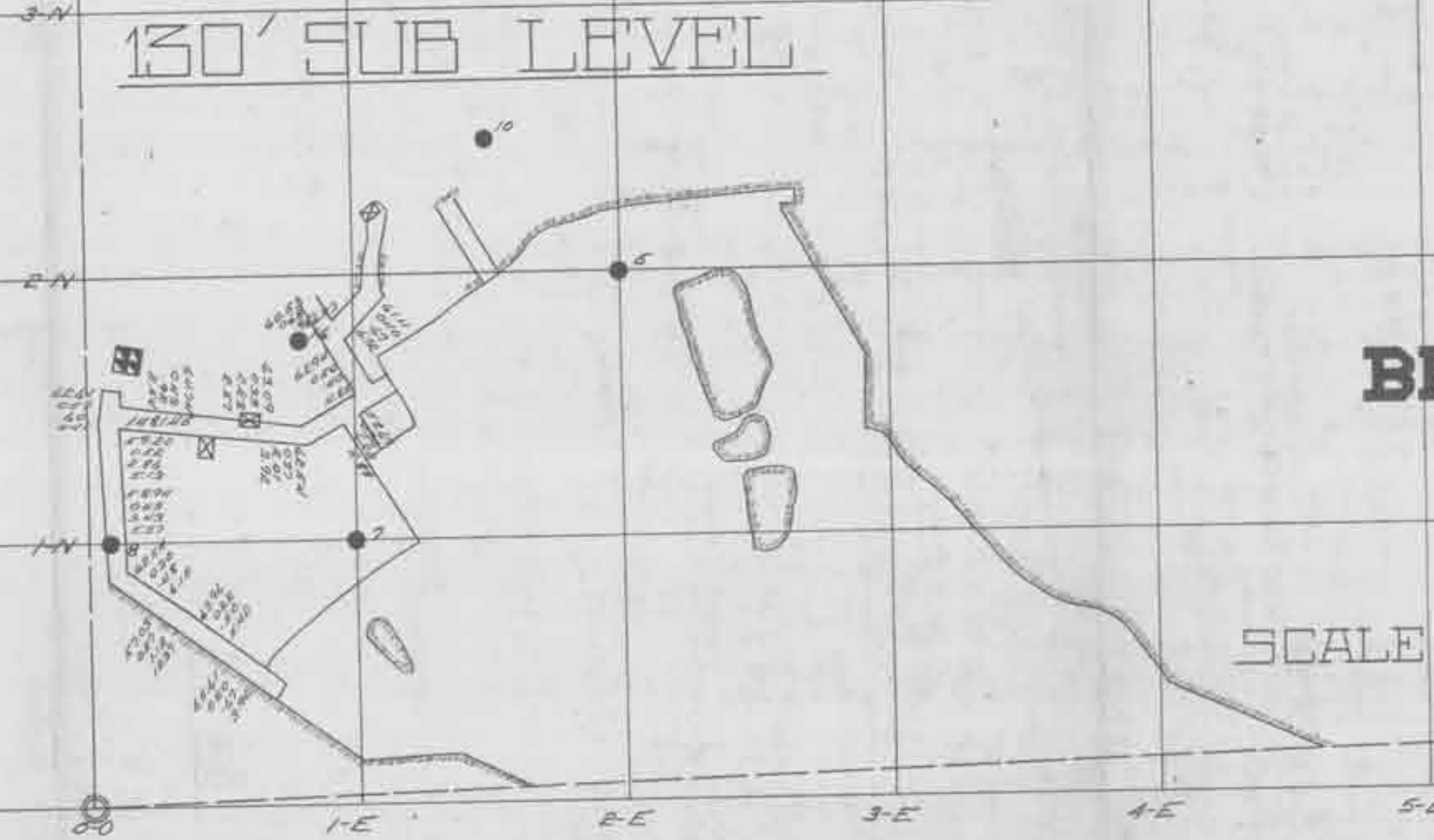




108' SUB LEVEL



130' SUB LEVEL



**BESSEMER No 3**

SCALE 1"=50'

DEC 19