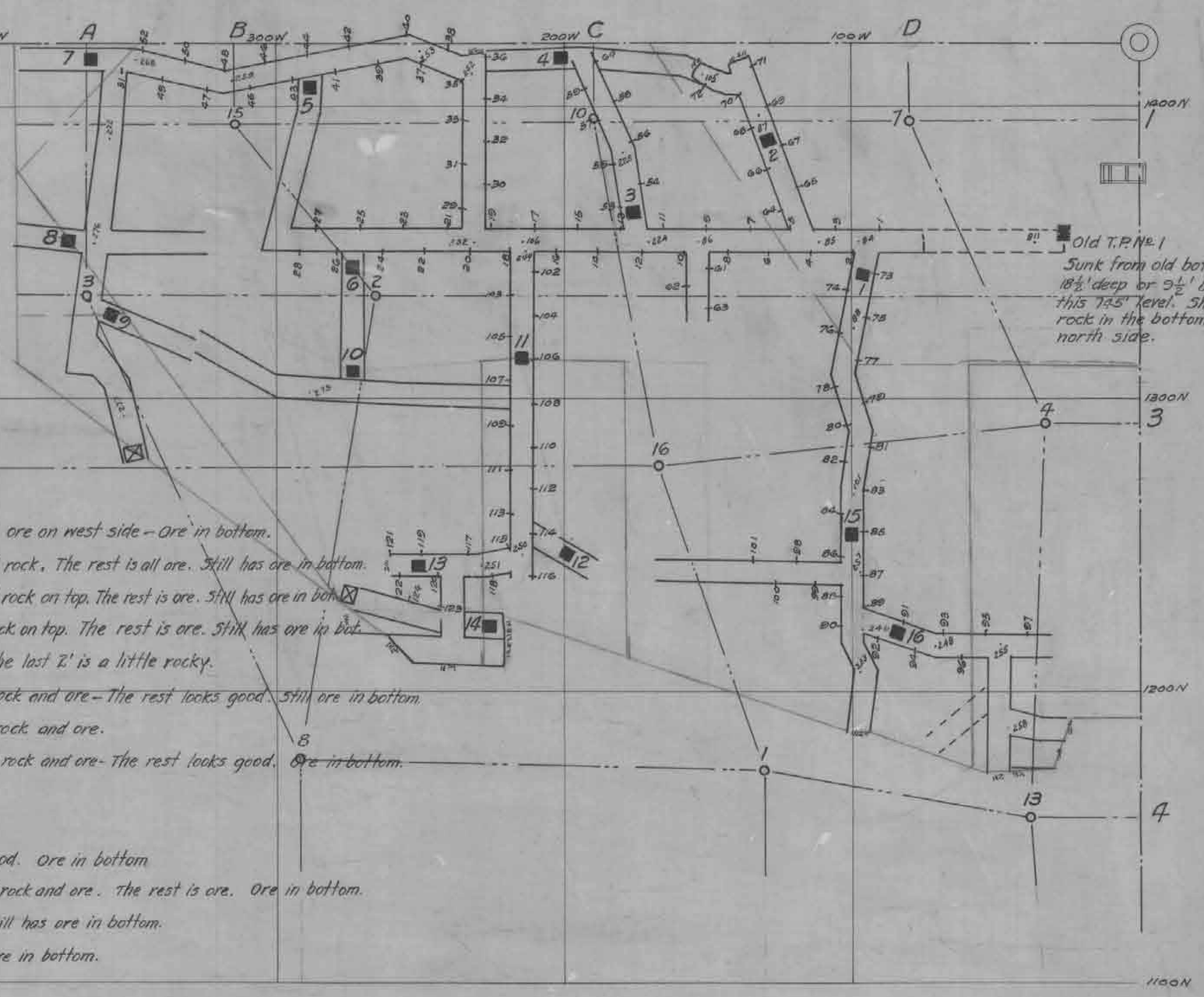


Sple No	Iron	Phos.	Silica.
1	48.97	.022	31.74
3	55.94	.036	18.30
4	57.49	.021	16.48
6	50.47	.025	25.45
7	52.12	.018	21.71
8	53.06	.022	22.26
9	55.81	.020	18.30
10	55.19	.023	19.58
11	58.23	.054	14.57
12	49.82	.019	27.18
13	51.90	.015	24.10
14	51.47	.014	24.85
15	54.06	.011	20.04
16	52.14	.014	22.05
17	53.57	.014	21.56
18	56.16	.016	17.80
19	57.42	.014	16.90
20	57.60	.015	16.00
21	52.58	.015	22.84
22	49.03	.013	26.50
23	57.30	.027	14.80
24	54.06	.021	19.92
25	47.24	.017	27.93
26	53.14	.014	21.06
27	52.49	.020	20.76
28	51.70	.018	22.23
29	57.94	.021	13.98
30	57.62	.019	14.90
32	56.94	.022	15.77
33	57.46	.025	14.82
34	56.40	.025	15.91
35	57.89	.020	14.70
36	58.50	.021	13.40
37	58.62	.019	14.47
38	56.23	.017	17.16
39	55.13	.018	18.07
41	52.70	.017	20.84
43	40.53	.022	11.48
46	60.02	.012	11.79
47	57.35	.027	14.73
48	54.79	.021	17.94
50	57.71	.020	14.81
53	58.35	.030	13.68
54	57.14	.027	15.15
55	55.38	.036	18.10
56	57.46	.020	14.92
57	56.52	.013	17.57
58	57.46	.053	14.48
59	52.93	.016	21.15
60	57.30	.023	15.78
61	52.83	.029	19.65
63	49.39	.040	24.98
80	47.14	.020	27.95
81	50.48	.015	23.67
82	53.24	.031	19.95
83	58.03	.021	13.55
84	54.80	.022	17.19
85	56.87	.014	15.46
86	59.04	.027	12.98
87	53.42	.016	20.86
88	54.05	.026	12.40
89	54.62	.013	18.45
90	52.00	.025	22.65
91	53.41	.018	18.83
92	56.19	.039	16.27
94	55.01	.023	18.22
64	59.03	.012	20.04
65	56.16	.035	16.10
66	56.89	.098	14.96
70	50.74	.031	22.80
72	52.28	.041	21.48
73	51.43	.026	20.25
78	51.35	.028	21.60
79	48.47	.024	25.33
93	57.13	.015	16.60
95	55.32	.011	18.81
96	58.56	.028	13.30
97	55.76	.012	18.20
102	55.60	.015	18.41
103	58.84	.017	13.95
104	56.89	.022	16.12
105	59.86	.019	13.00
106	52.00	.017	21.65
107	56.00	.012	15.16
108	56.64	.016	16.75
109	58.90	.021	12.43
110	60.17	.015	11.80
111	58.25	.028	13.78
112	58.57	.033	13.42
113	57.93	.015	15.10
114	59.20	.013	20.36
115	57.28	.037	15.04
116	55.76	.022	17.36
117	52.79	.031	21.33
118	55.67	.023	17.30
119	56.15	.021	16.90
120	52.54	.023	22.62
121	50.36	.027	24.40
123	53.85	.016	21.17
124	54.65	.016	19.64
156	56.41	.016	16.95
157	57.06	.017	16.20
158	54.95	.024	18.67
159	56.57	.017	17.05

No record of any additional drift samples. Also no record of the location of these four samples.

TEST PIT DATA

No. 1 8' deep – Bottom is rock.

No. 2 8' deep – Bottom is rock.

No. 3 8' deep – Rock on east side – All ore on west side – Ore in bottom.

No. 4 10' deep – Just a small bunch of rock. The rest is all ore. Still has ore in bottom.

No. 5 10' deep – Just a small bunch of rock on top. The rest is ore. Still has ore in bot.

No. 6 – 10' deep – Has 4' of mixed ore and rock on top. The rest is ore. Still has ore in bot.

No. 7 – 11' deep – Has 9' of good ore – The last 2' is a little rocky.

No. 8 – 10' deep – The first 6' is mixed rock and ore – The rest looks good. Still ore in bottom.

No. 9 – 10' deep – Is all a mixture of rock and ore.

No. 10 – 10' deep – The first 4' is mixed rock and ore – The rest looks good. Ore in bottom.

No. 11 – 9' deep. – Mixed rock and ore.

No. 12 7' deep – Mixed rock and ore.

No. 13 11' deep – No rock – Looks good. Ore in bottom

No. 14 – 10' deep – The first 5' is mixed rock and ore. The rest is ore. Ore in bottom.

No. 15 – 9' deep – No rock – All ore – Still has ore in bottom.

No. 16 – 9' deep – No rock – All ore – Ore in bottom.

MADRID MINE

EUREKA ORE CO.

Virginia, Minn.

Scale 1" = 30'

Mining Engineer.

Analysis Map
745 Level.

FILE NO. R-1024-28 SECT. B DWG/CRT 31
NO. 2636 LAYER 1 DWG. 34 CRT 1 PT. 59

MADRID MINE

EUREKA ORE CO.

VIRGINIA, MINN.

SCALE 1" = 30'

G. E. LeVeque
MINING ENGINEER

FIRST SUB LEVEL

ELEV. 800'

— LEGEND —

APPROX. ELEV. OF DRILL HOLES 855'

- SHAFTS
- RAISES
- TEST PITS
- DRILL HOLES
- ROCK
- MIXED ORE & ROCK
- SAND

DATE _____

COPIED FROM PHOTOSTADT PRINT

No. 2635-27

FILE NO. 9-2401-22 SECT. B TITLE NO. 31
NO. 2635 Cabinet 34 Drawer 1 Folder 58

MADRID MINE

EUREKA ORE CO.

Virginia, Minn.

Scale 1" = 30'

G. E. LeVeque
Mining Engineer.

Third Sub Level.

ELEV. 777'.

Legend

Approx. Elev. of drill holes - 855'.

- SHAFTS.
- RAISES.
- TEST PITS.
- ROCK.
- MIXED ORE & ROCK.
- SAND.
- DRILL-HOLES.

DATE _____

FILE NO. 8-2401-24 SECT. 8 DWR/CPT. 31
NO. 2035 CABE 1 DWR 34 CPT 1 FILE 58

MADRID MINE

EUREKA ORE CO.

Virginia, Minn.

Scale 1" = 30'.

G. E. LeVegue.
Mining Engineer.

Fourth Sub Level.

ELEV. 764

Legend

Approx. Elev. of drill-holes 855'.

- SHAFTS.
- RAISES.
- TEST PITS.
- ROCK
- MIXED ORE & ROCK
- SAND.
- DRILL-HOLES

DATE _____

FILE NO. 8:2801-25 . SECT. 8 . DWR/CPT. 31
NO. 2635 CASE 1 DWR. 34 CPT. 1 FILE 58

MADRID MINE

EUREKA ORE CO.

Virginia, Minn.

Scale 1"=30'.

G. E. LeVegue
Mining Engineer.

Bottom Level.

ELEV = 754.

101'

Legend

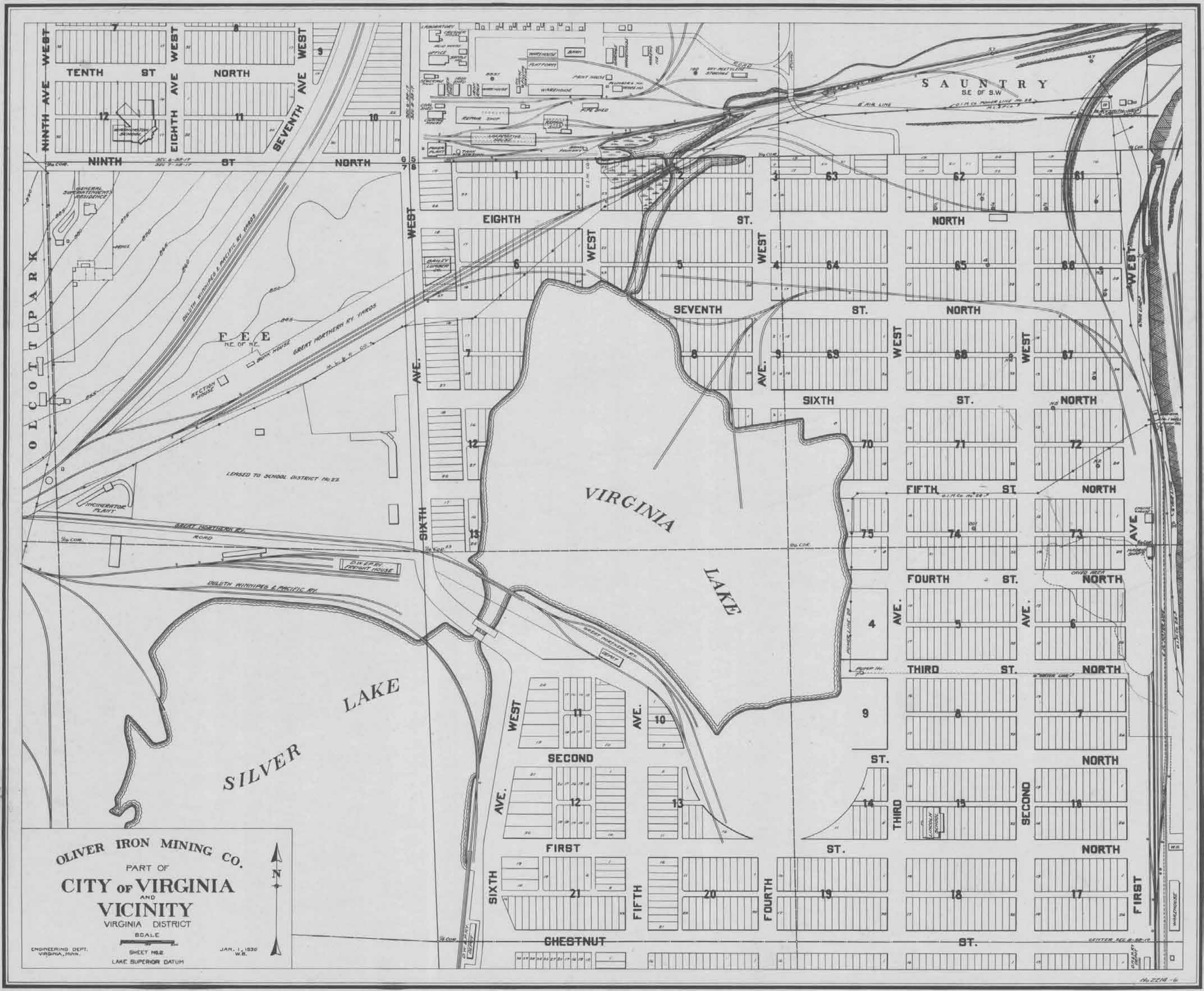
Approx. Elev. of drill-holes = 855'.

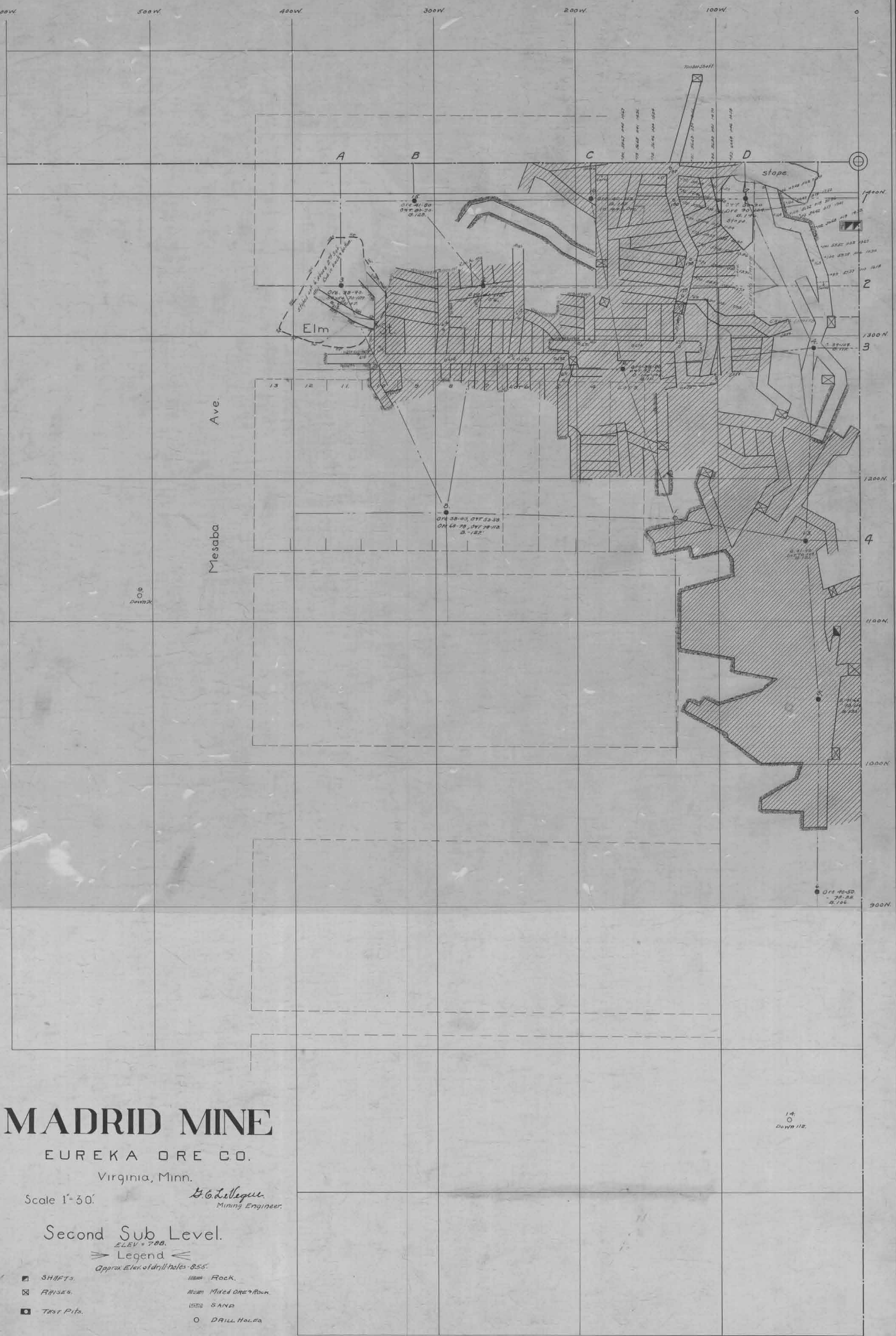
- SHAFTS.
- RAISES.
- TEST PITS.
- ROCK.
- MIXED ORE & ROCK.
- SAND.
- DRILL HOLES.

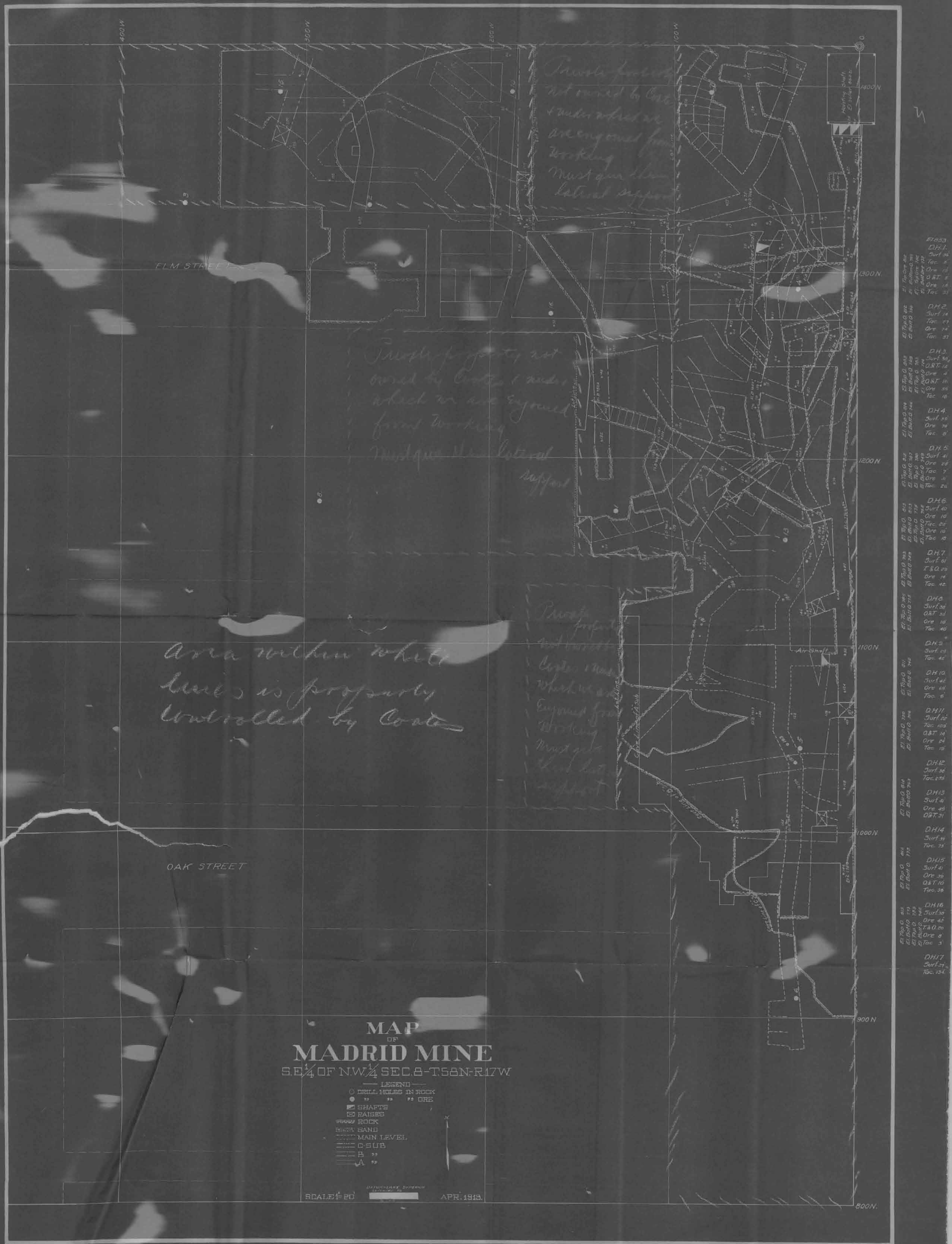
DATE

No. 2635-27

FILE NO. 7:2401-26 SECT. 8 DIVISION 71
No. 2635 CASE 1 DIV. 39 SUB. 1 FILE 58


OLIVER IRON MINING CO.
PART OF
CITY OF VIRGINIA
AND
VICINITY
VIRGINIA DISTRICT
SCALE
ENGINEERING DEPT. VIRGINIA, MINN.
SHEET No 2
LAKE SUPERIOR DATUM
JAN. 1, 1930
W.S.
VIRGINIA LAKE
SILVER LAKE
SAUNTRY
S.E. OF S.W.
OLCOTT PARK
NINTH AVE WEST
EIGHTH AVE WEST
SEVENTH AVE WEST
SIXTH AVE. WEST
TENTH ST NORTH
NINTH ST NORTH
EIGHTH ST. NORTH
SEVENTH ST. NORTH
SIXTH ST. NORTH
FIFTH ST. NORTH
FOURTH ST. NORTH
THIRD ST. NORTH
SECOND ST. NORTH
FIRST ST. NORTH
SECOND AVE. WEST
FIRST AVE. WEST
FIFTH AVE. WEST
FOURTH AVE. WEST
THIRD AVE. WEST
CHESTNUT ST.
FIRST AVE.
GENERAL SUPERINTENDENT'S RESIDENCE
WASHINGTON SCHOOL
FEE
NE OF NE
BATH HOUSE
SECTION HOUSE
LEASED TO SCHOOL DISTRICT No 22
INCINERATOR PLANT
GREAT NORTHERN RY. ROAD
D.W.P.R.R. FREIGHT HOUSE
DULUTH WINNIPEG & PACIFIC RY.
GREAT NORTHERN RY. YARDS
BAILEY LUMBER CO.
REPAIR SHOP
WAREHOUSE
PAINT HOUSE
FIRE SHED
LOCOMOTIVE HOUSE
POWER PLANT
TANK BUILDING
LABORATORY
OFFICE
DRY KILN
LINCOLN SCHOOL
DEPOT
DRYED AREA
HANGING SHAFT
CENTER SEC 8-58-17


600W.
500W.
400W.
300W.
200W.
100W.
0
A
B
C
D
Timber Shaft
stope
1400N.
1300N.
1200N.
1100N.
1000N.
900N.
Elm
St.
Ave.
Mesaba
Drift
Drift
Drift


MAP
OF
MADRID MINE
S.E.1/4 OF N.W.1/4 SEC.8-T.58N-R.17W.
LEGEND
DRILL HOLES IN ROCK
" " " ORE
SHAFTS
RAISES
ROCK
SAND
MAIN LEVEL
C-SUB
B "
A "
SCALE 1" = 20'
APR. 1913.
ELM STREET
OAK STREET
400 W
300 W
200 W
100 W
1400 N.
1300 N.
1200 N.
1100 N.
1000 N.
900 N
800 N.
Hoisting Shaft
Air Shaft
Area within white lines is property controlled by Coats
Trends based on not owned by Coats & underlined are excluded from working
Must give them lateral support
Trends of property not owned by Coats & which are excluded from working
Must give them lateral support
El. 953
D.H.1.
Surf. 14
Tac. 6
Ore 13
O.&T. 5
Ore 14
Tac. 33
D.H.2.
Surf. 14
Tac. 67
Ore 14
Tac. 37
D.H.3.
Surf. 30
O.&T. 12
Ore 4
O.&T. 11
Ore 55
Tac. 18
D.H.4.
Surf. 30
Ore 70
Tac. 8
D.H.5
Surf. 41
Ore 26
Tac. 7
Ore 21
Tac. 24
D.H.6.
Surf. 40
Ore 10
Tac. 20
Ore 10
Tac. 18
D.H.7.
Surf. 61
T.&O. 29
Ore 14
Tac. 42
D.H.8.
Surf. 36
O&T. 30
Ore 10
Tac. 40
D.H.9
Surf. 29
Tac. 45
D.H.10.
Surf. 42
Ore 68
Tac. 6
D.H.11.
Surf. 22
Tac. 109
O&T. 14
Ore 24
Tac. 19
D.H.12.
Surf. 36
Tac. 233
D.H.13
Surf. 41
Ore 49
O&T. 31
D.H.14
Surf. 39
Tac. 15
D.H.15
Surf. 41
Ore 39
O&T. 10
Tac. 38
D.H.16.
Surf. 39
Ore 42
T.&O. 20
Ore 8
Tac. 3
D.H.17
Surf. 21
Tac. 134