



OLIVER IRON MINING CO.
 — MAP OF THE —
MONROE TENER
CHISHOLM MINES
 — CHISHOLM DISTRICT —

— SCALE —
 ENGINEERING DEPT.
 CHISHOLM MINE,
 LAKE SUPERIOR DATUM,
 JANUARY 1914
 W. E. FAY



DIM

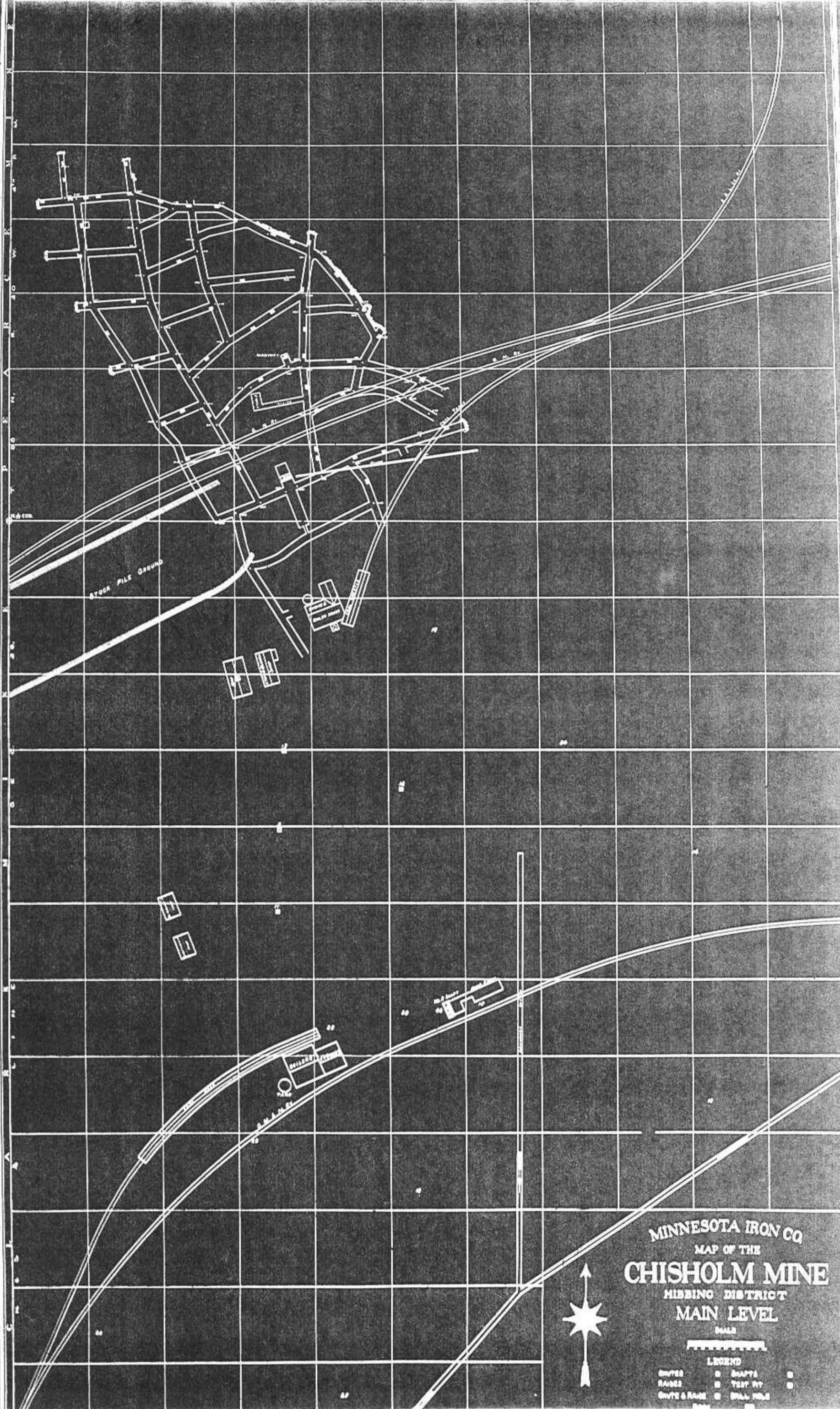
BOUNDARY OF SECTION 20-10-20
 SOUTHWEST CORNER OF SECTION 20-10-20

69 1531 1904

1-1-04 CHISHOLM MINE MAIN LEVEL. A29

(REV. 9-21-06)

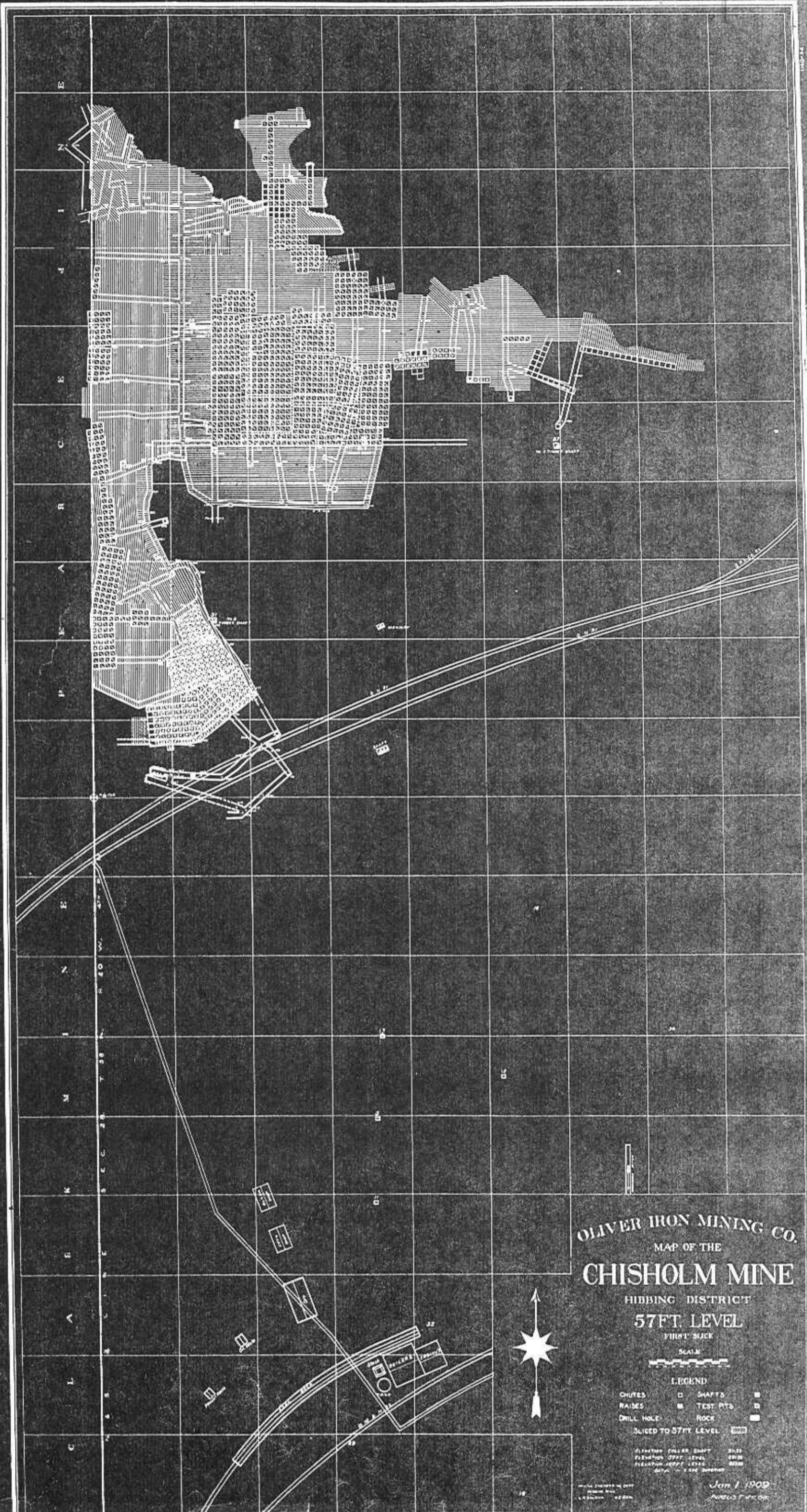
CHISHOLM MINE



MINNESOTA IRON CO
 MAP OF THE
CHISHOLM MINE
 HIBBING DISTRICT
 MAIN LEVEL

- SCALE
- LEGEND
- SHAFTS
 - TEST PIT
 - DRIFT & CROSS
 - DRIFT





OLIVER IRON MINING CO.
 MAP OF THE
CHISHOLM MINE

HIBBING DISTRICT
 57 FT. LEVEL
 FIRST SUCK

SCALE

LEGEND

- CHUTES
- RAISES
- DRIILL HOLE
- SLICED TO 57 FT. LEVEL
- SHAFTS
- TEST PTS.
- ROCK

ELEVATION OF SURFACE SHAFT 2173
 ELEVATION OF 57 FT. LEVEL 4900
 ELEVATION OF 57 FT. LEVEL 4900
 SCALE = 1 INCH = 50 FEET

Jan 1 1909
 AUGUST 1909

9 1531 1909 1-1-09 CHISHOLM MINE 57 FT. LEVEL A-31

1022 9-21-02

CHISHOLM MINE

09 1531 1709 1-1-09 CHISHOLM MINE 69 FT LEVEL A-31
 IRRC 9-21-06
 CHISHOLM MINE



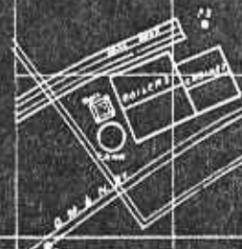
OLIVER IRON MINING CO.
 MAP OF THE
CHISHOLM MINE.
 HIBBING, MINN.
 69 FT. LEVEL.

LEGEND

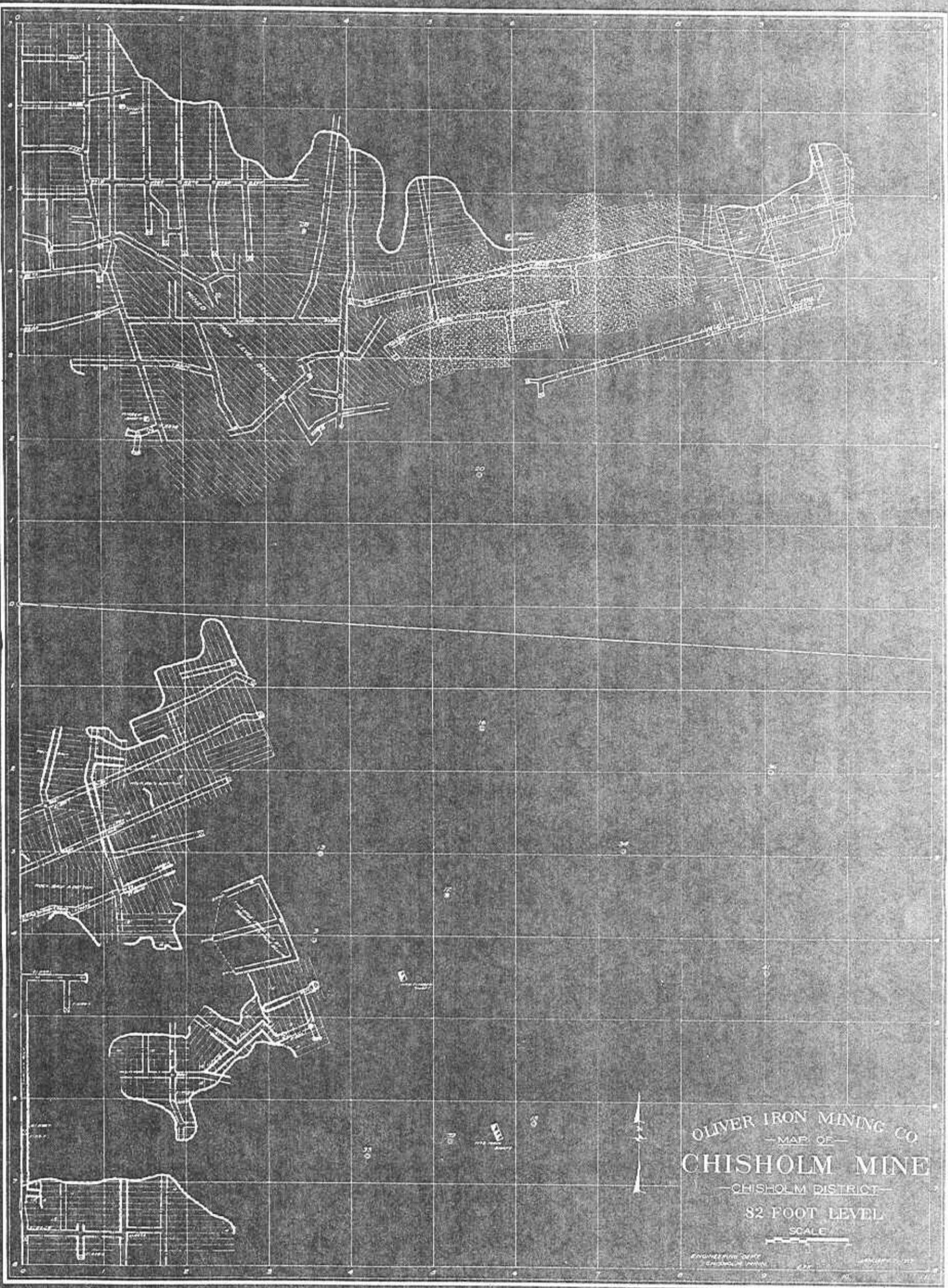
Swamp	200' Area	•
Quarry	Open Area	□
Rock	Quoted to 800' level	▣

HEIGHTS IN FEET ABOVE SEA LEVEL

Elevation of Collar of Shaft above Lake Superior	8100
" " " " " " " "	8050
" " " " " " " "	8000



09 1531 1917 1-1-17 CHISHOLM MINE BR-87 FT DE V A-38 I/R/C 9-21-06 CH1171R08201N



OLIVER IRON MINING CO
 - MAP OF -
CHISHOLM MINE
 - CHISHOLM DISTRICT -
 82 FOOT LEVEL
 SCALE

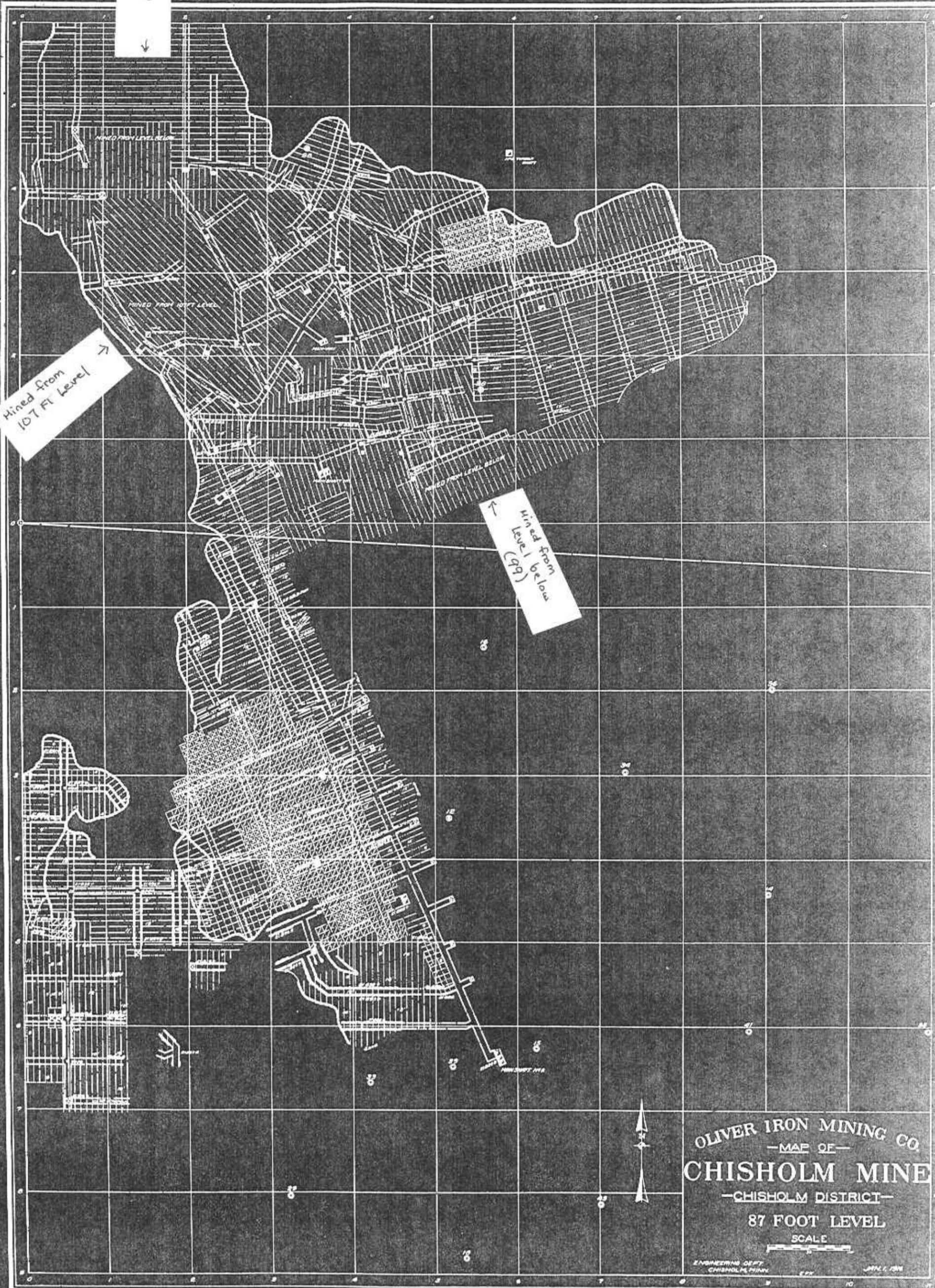
ENGINEERING DEPT.
 CHISHOLM MINE

09 1531 1716 1-176 CHISHOLM MINE 87 FT LEVEL A-3c 128c 9-21-06 CHILROSTON.

Mined from Level below (99) →

→ Mined from 107 Ft Level

← Mined from level below (99)



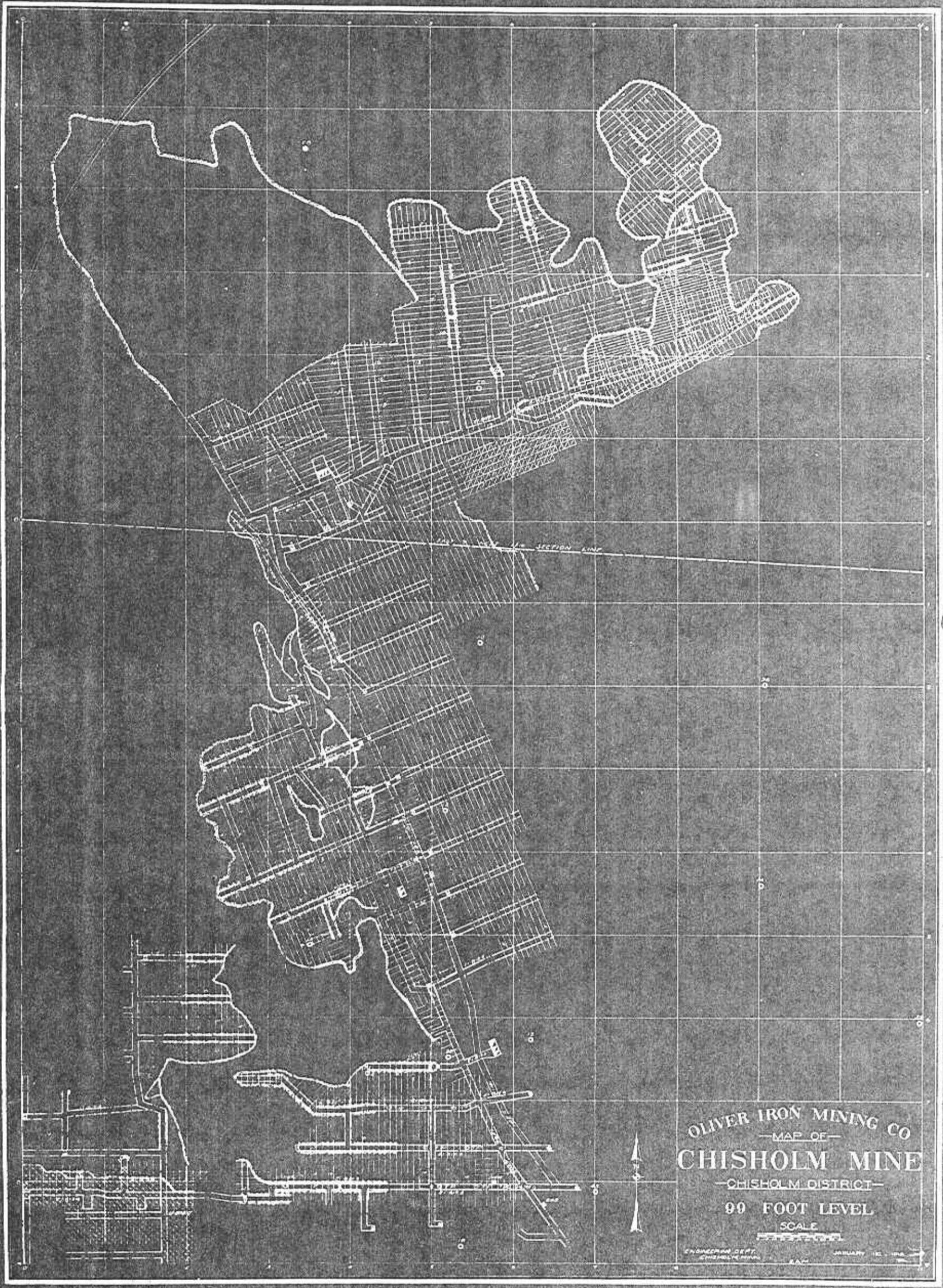
OLIVER IRON MINING CO.
 —MAP OF—
CHISHOLM MINE
 —CHISHOLM DISTRICT—
 87 FOOT LEVEL

SCALE
 ENGINEERING DEPT.
 CHISHOLM MINE
 JAN. 1, 1906

07 1531 1932 1-1-19 CHISHOLM 99 FT LEV A-60

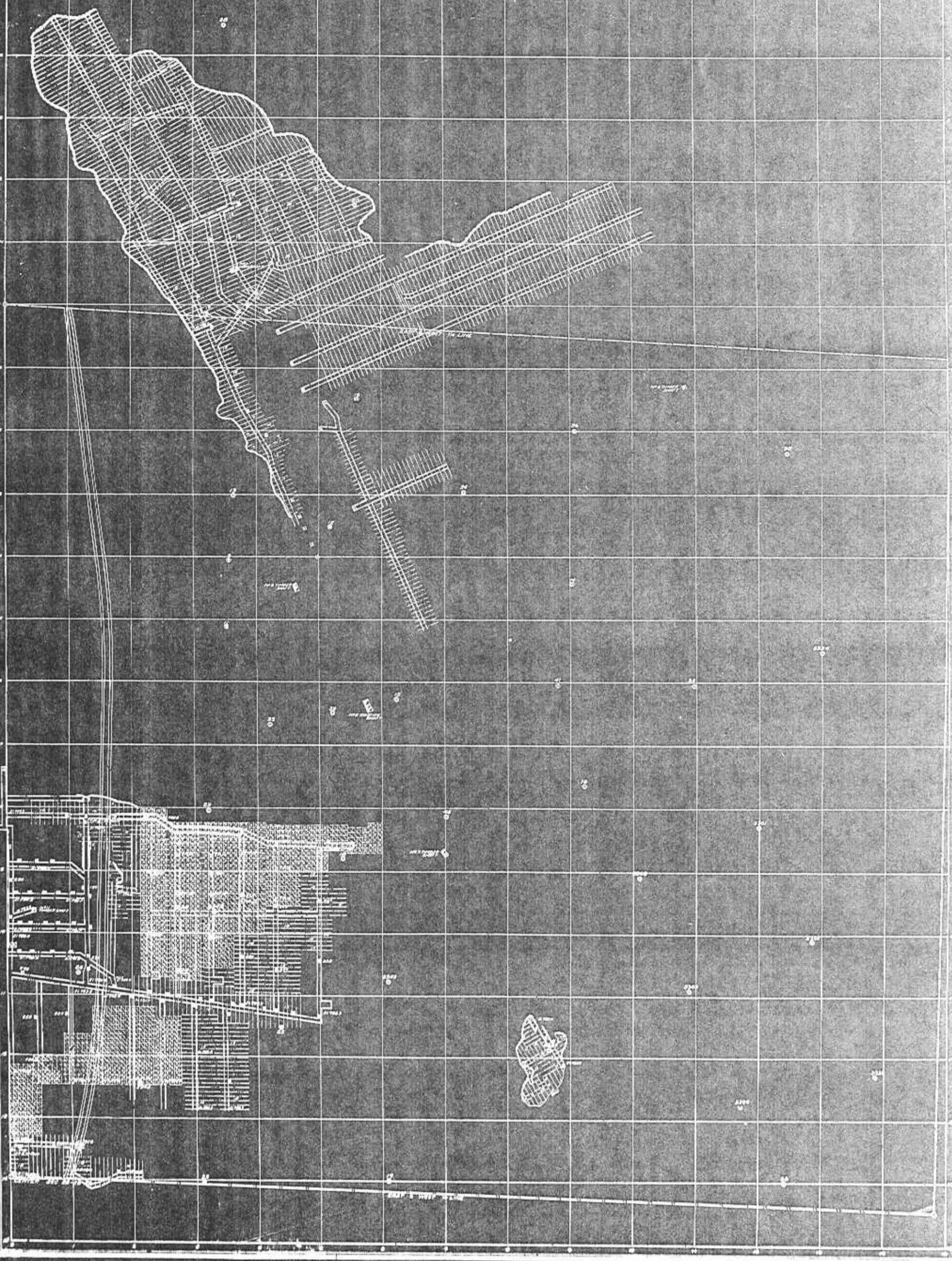
MRG 9-21-06

CH119ER09901N



OLIVER IRON MINING CO
 —MAP OF—
CHISHOLM MINE
 —CHISHOLM DISTRICT—
 90 FOOT LEVEL
 SCALE
 ENGINEERING DEPT.
 CHISHOLM MINE
 JANUARY 1932

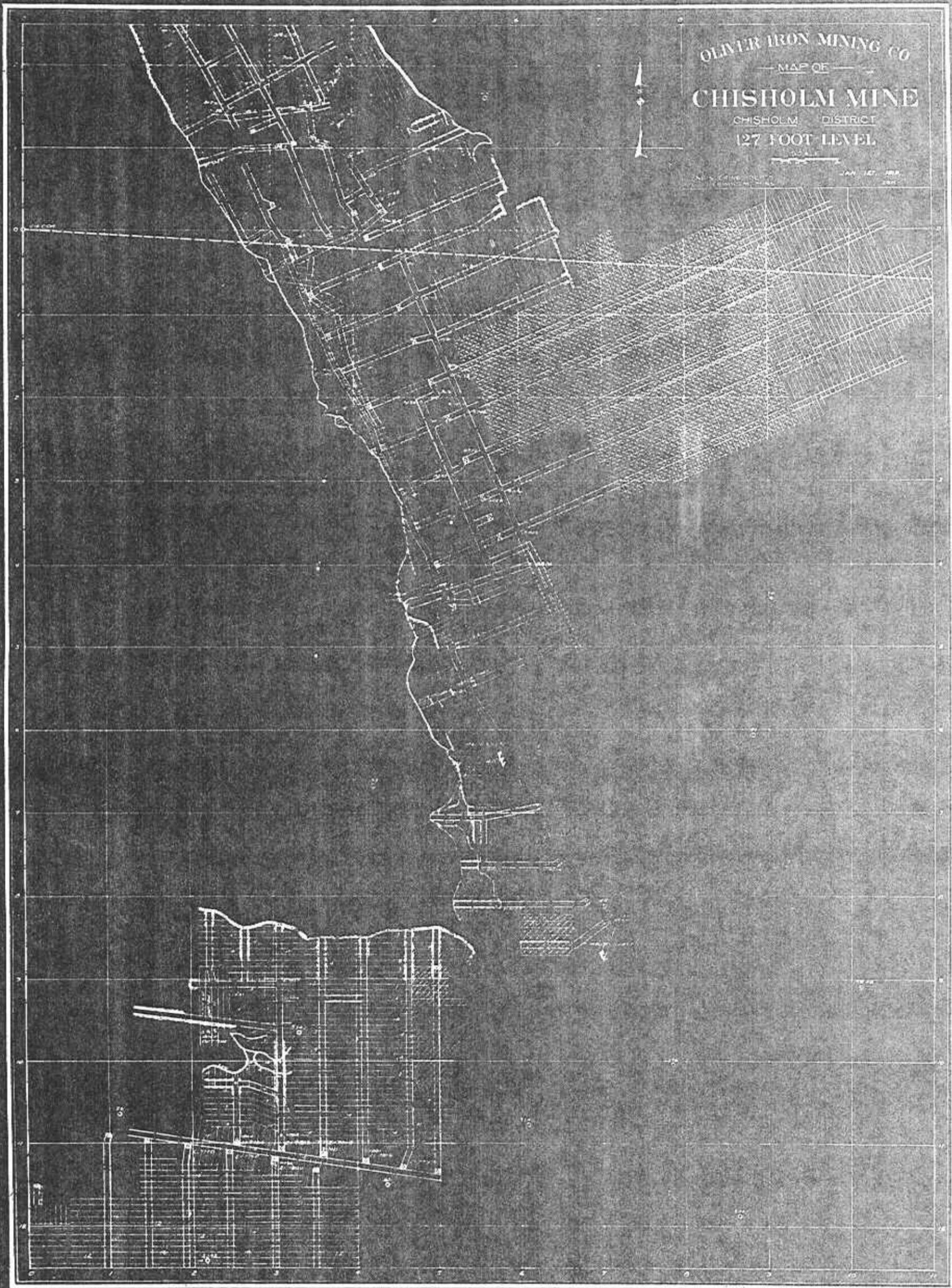
OLIVER IRON MINING CO.
—MAP OF—
CHISHOLM MINE
—CHISHOLM DISTRICT—
117 FOOT LEVEL
SCALE
ENGINEERING DEPT.
CHISHOLM MINE



39 1531 1932 1-1-22 CHISHOLM 117 FT LEV R-60

1/RAC 9-21-06

CHISHOLM

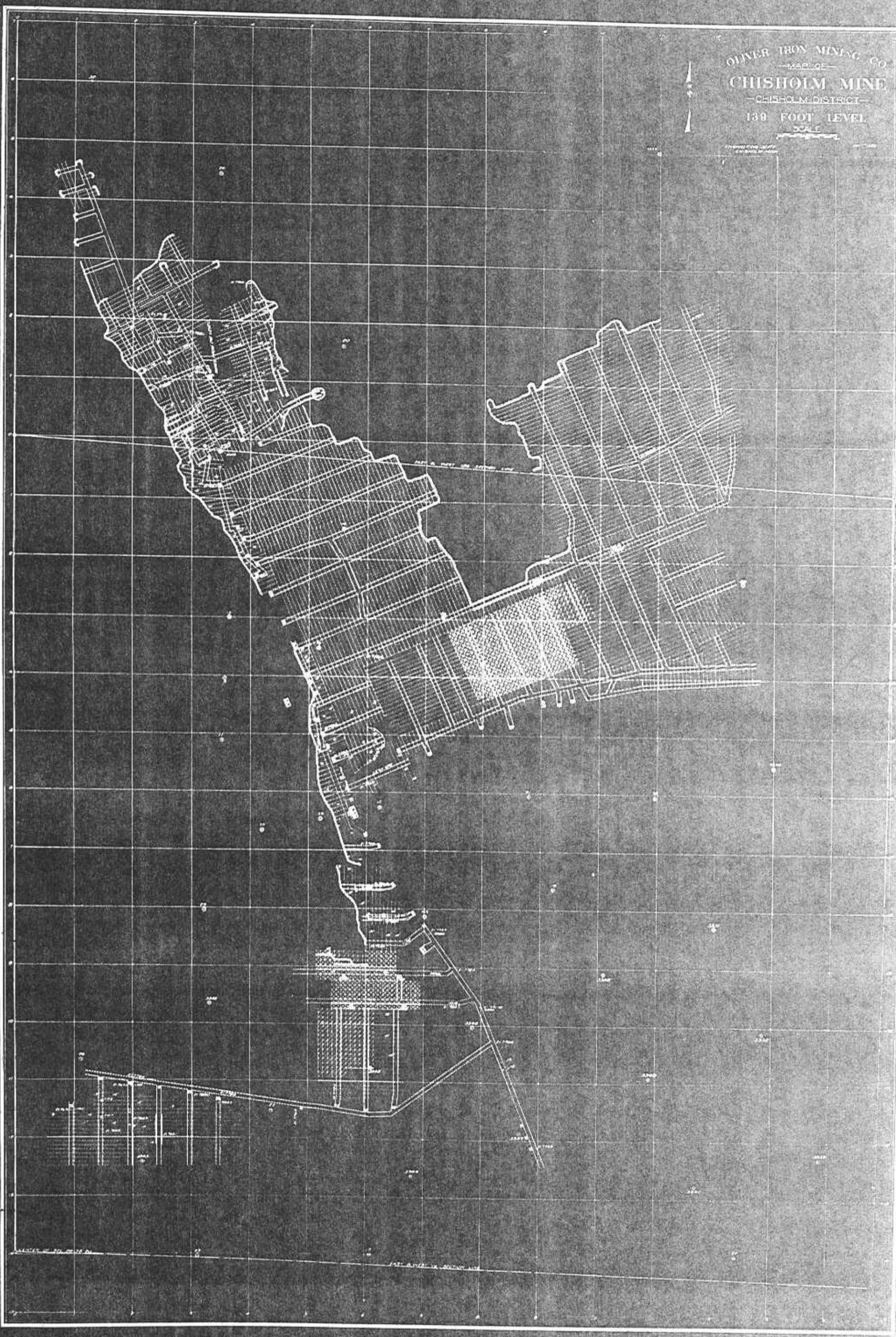


09 1531 1932 1-1-19 CHISHOLM 27FI LEV A-40

IRRC 9-21-06

CHISHOLM 2701N

OLIVER IRON MINING CO.
—MAP OF—
CHISHOLM MINE
—CHISHOLM DISTRICT—
130 FOOT LEVEL
SCALE

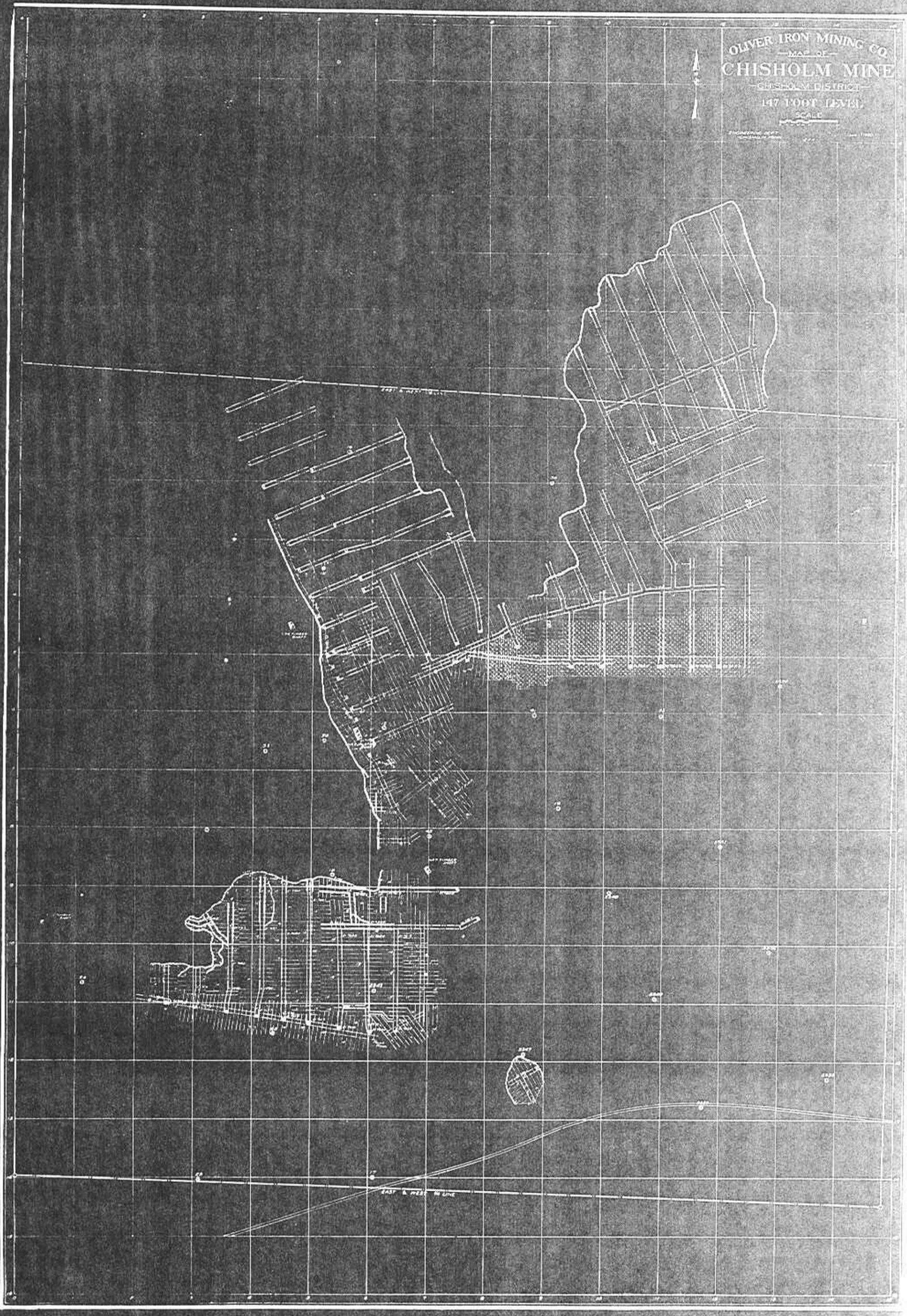


09 1531 1932 1-1-20 CHISHOLM 130 FT LEV A-60

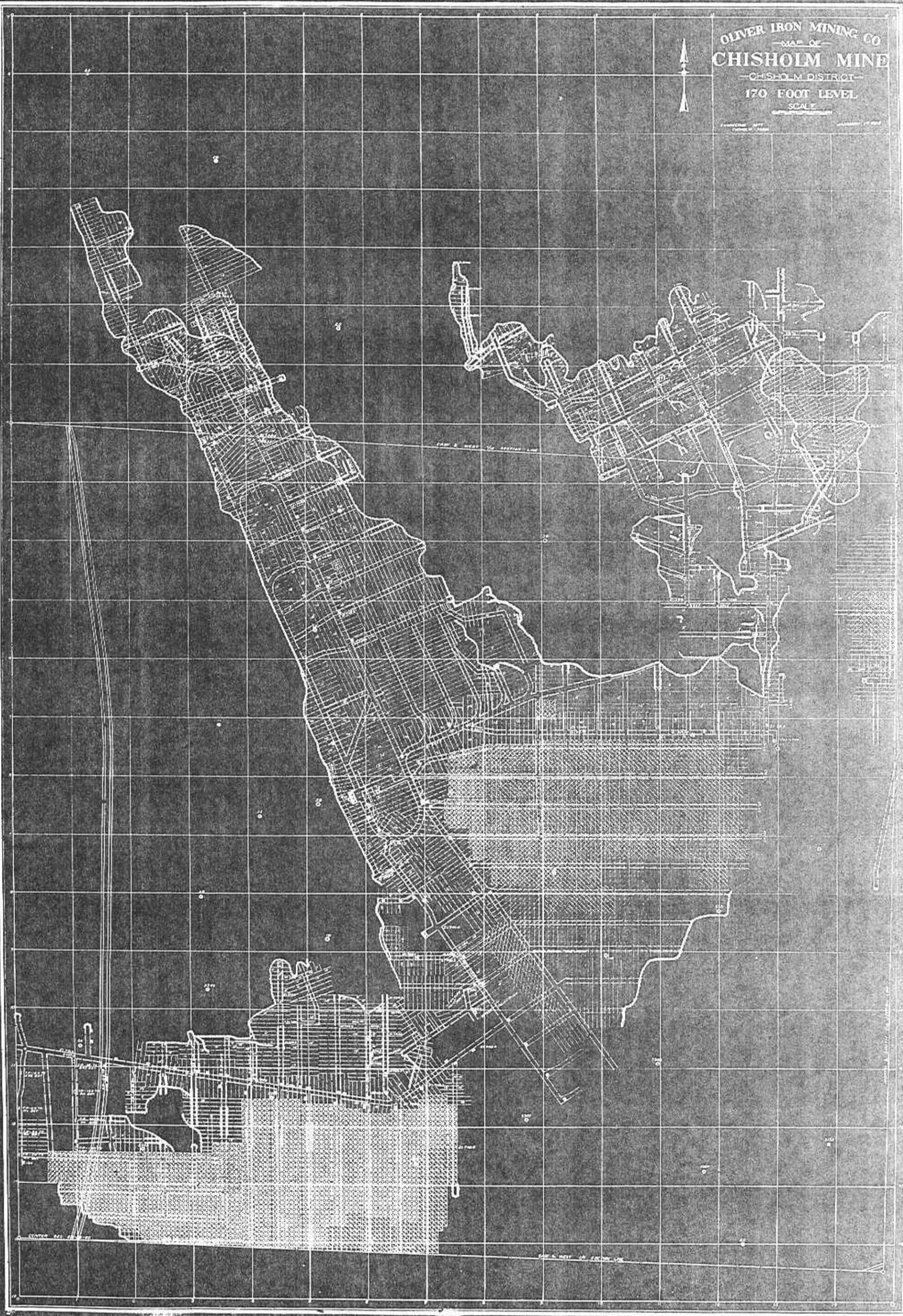
1902 9-21-06

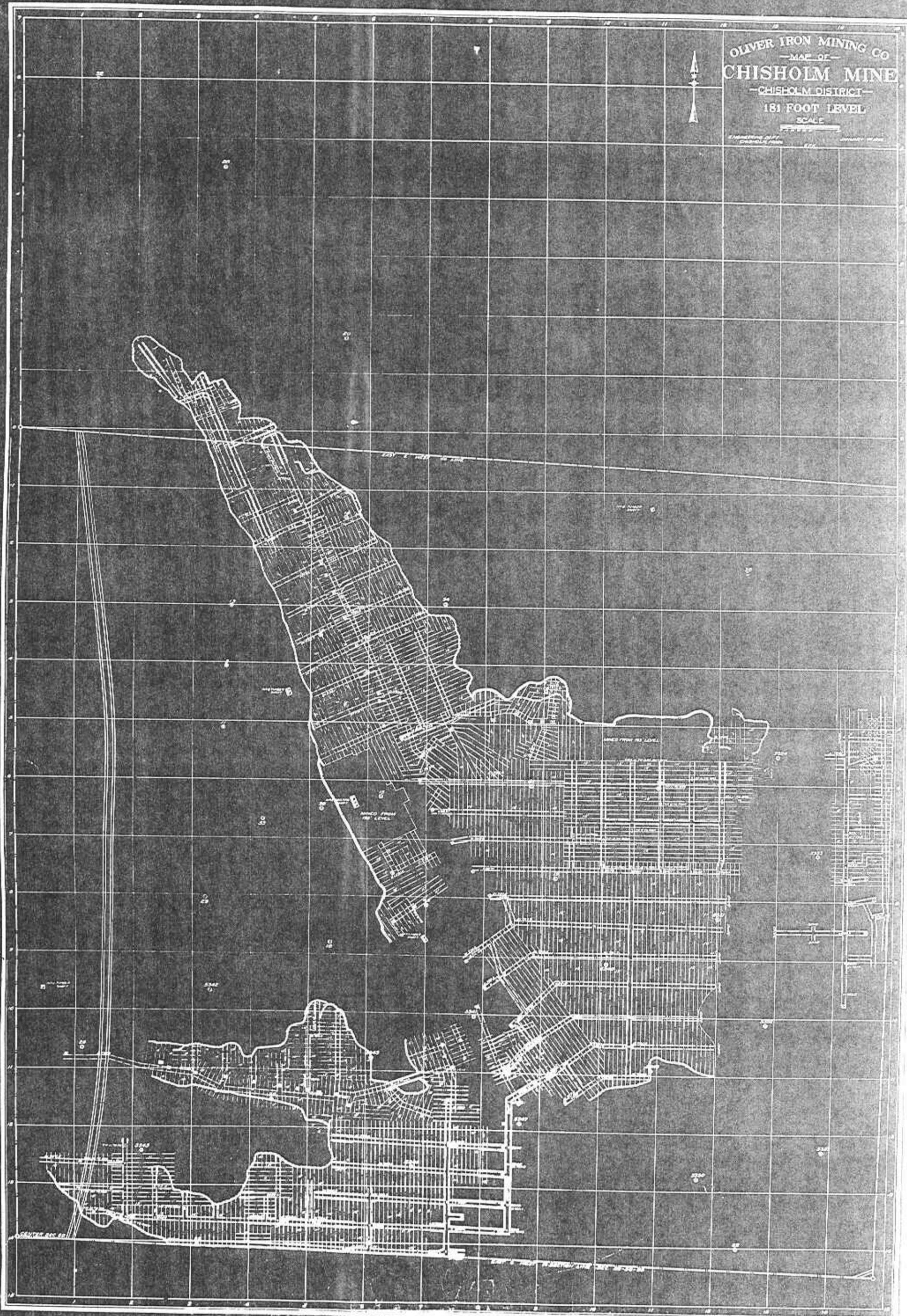
CHISHOLM 130 FT LEV

OLIVER IRON MINING CO.
 — MAP OF —
CHISHOLM MINE
 CHISHOLM DISTRICT
 147 FOOT LEVEL
 SCALE
 ENGINEERING DEPT.
 COMPANY OF MINES



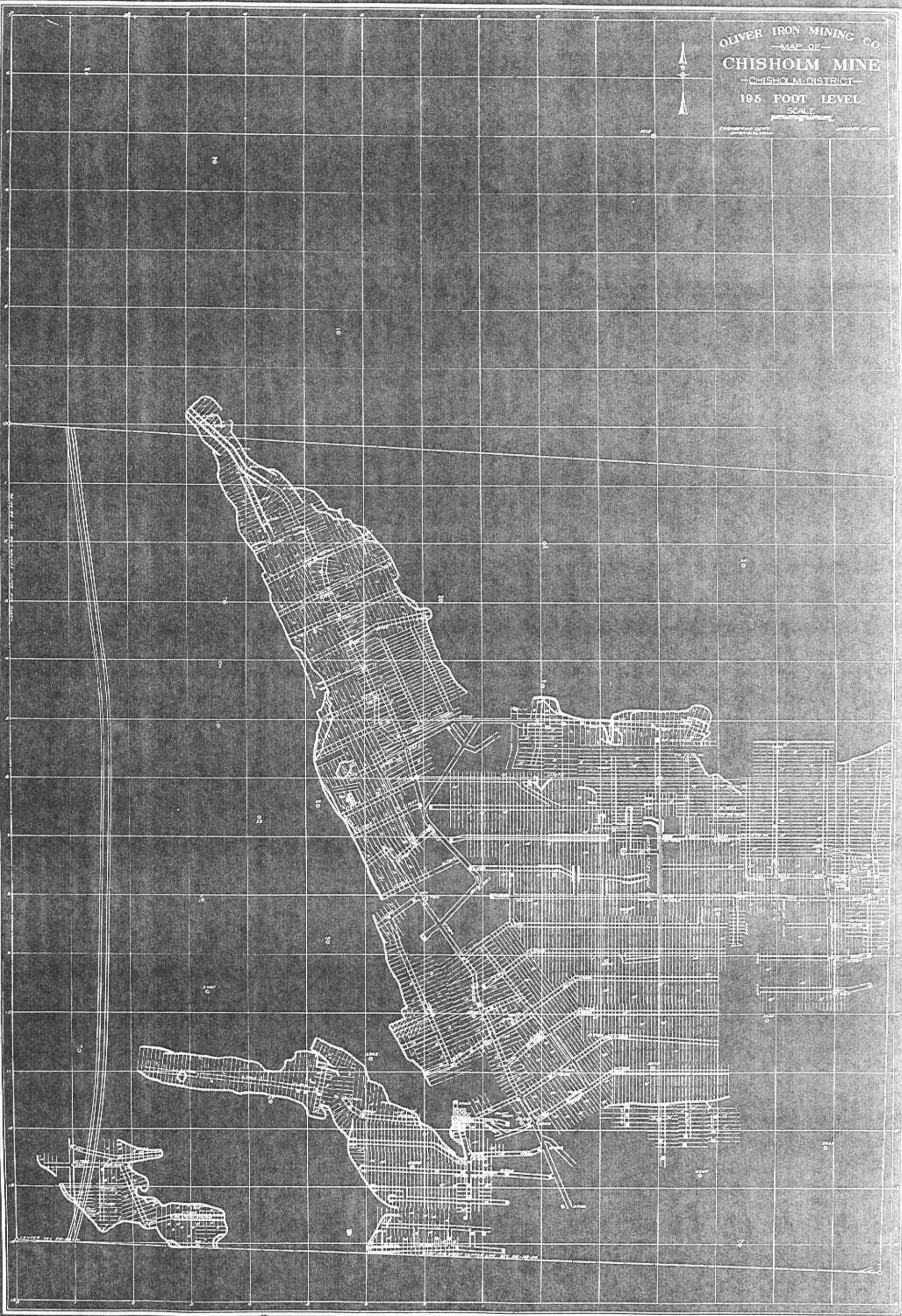
OLIVER IRON MINING CO
 —MAP OF—
CHISHOLM MINE
 —CHISHOLM DISTRICT—
 170 FOOT LEVEL
 SCALE





09 1531 1932 1-1-22 CHISHOLM DISTRICT LEV A-60 1892 9-21-06

OLIVER IRON MINING CO
—MAP OF—
CHISHOLM MINE
—CHISHOLM DISTRICT—
195 FOOT LEVEL
SCALE



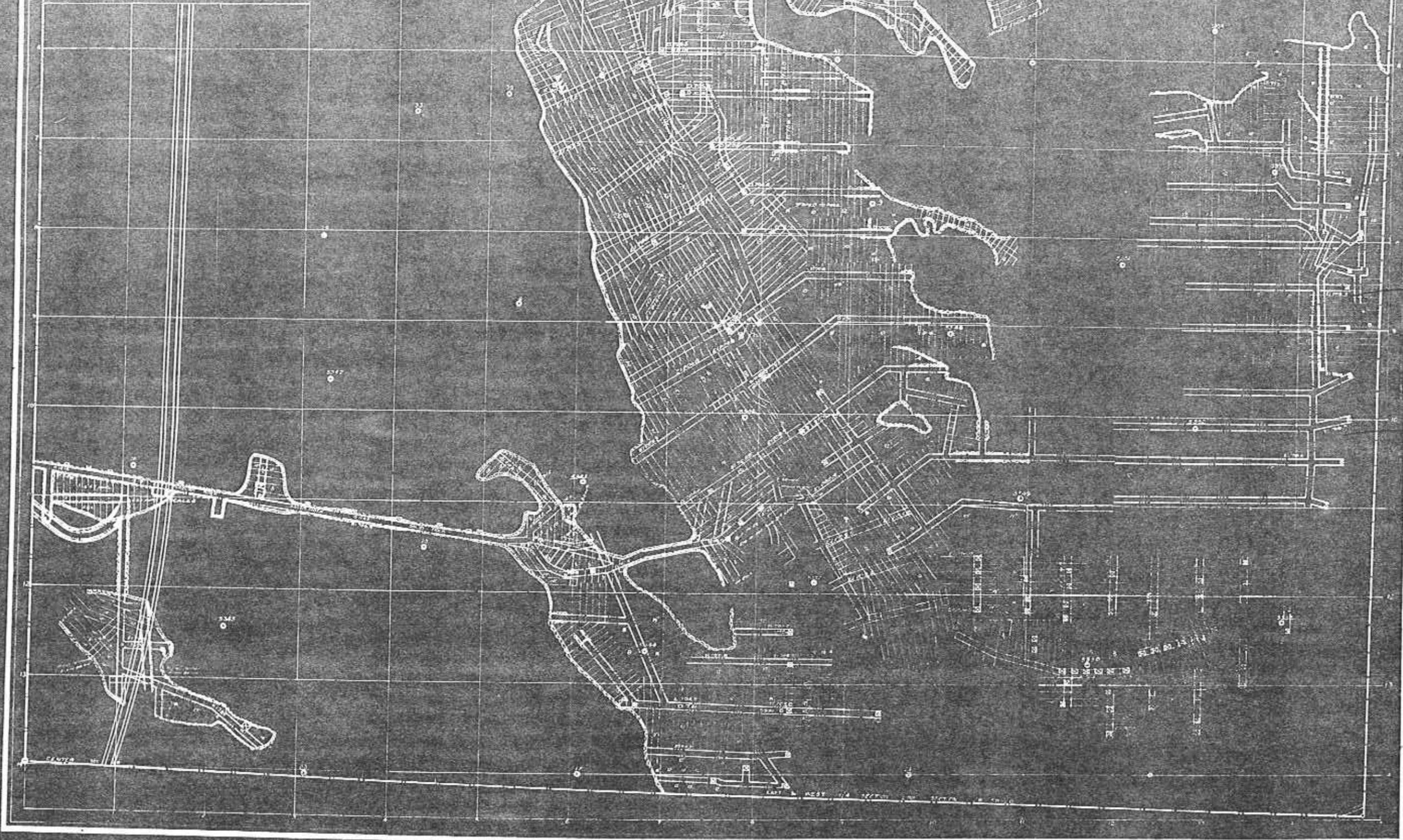
CHS 2218 1950 LN

OLIVER IRON MINING CO
 —MAP OF—
CHISHOLM MINE
 —CHISHOLM DISTRICT—
 205 FOOT LEVEL

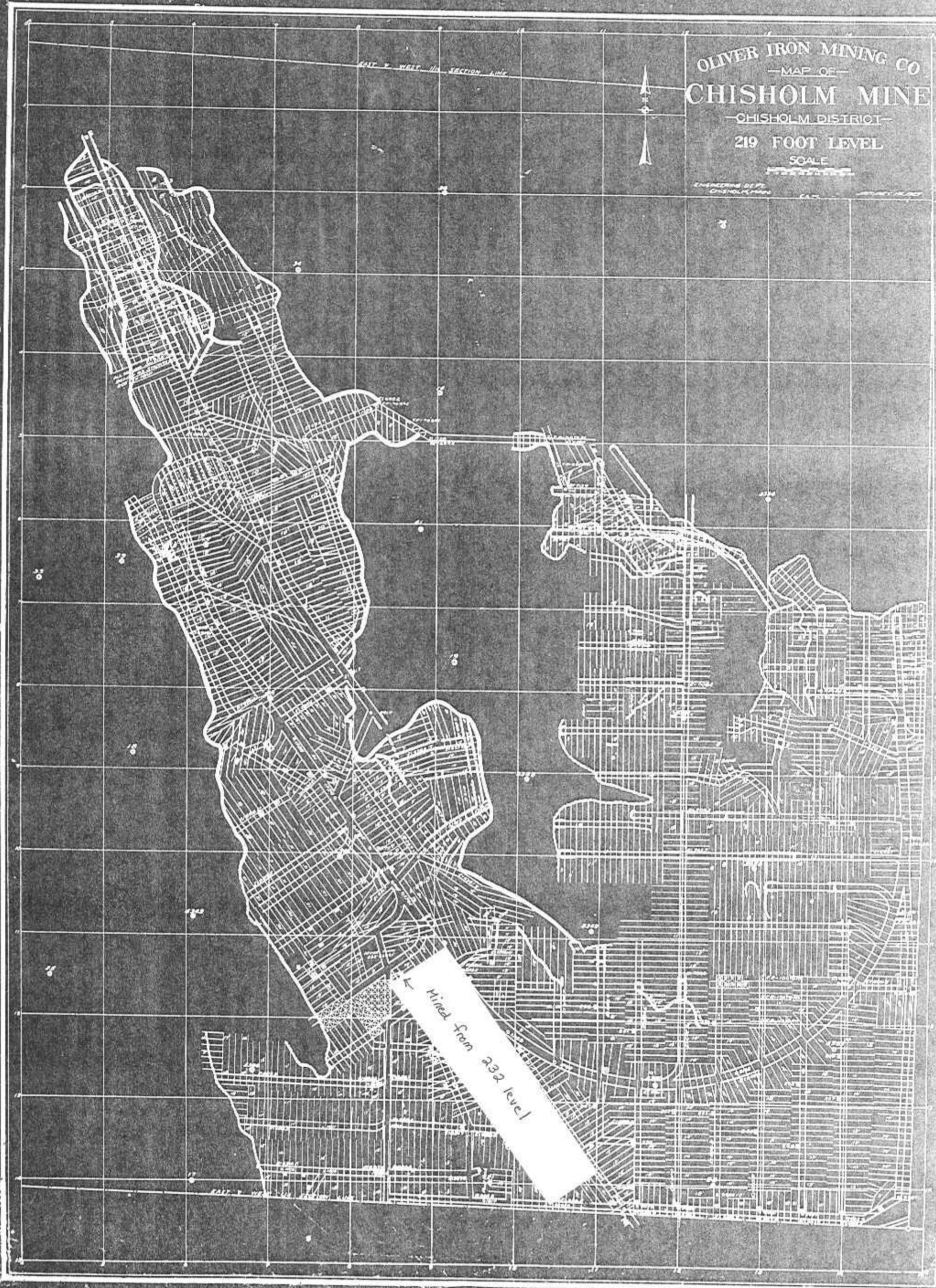
SCALE

ENGINEER IN CHARGE
 CHISHOLM MINE

JANUARY 1932



CHI 26TR 20501N



OLIVER IRON MINING CO
 —MAP OF—
CHISHOLM MINE
 —CHISHOLM DISTRICT—
 219 FOOT LEVEL
 SCALE

← Hired from 232 level

09 1531 1922 1-1-27 CHISHOLM 232FT LEV A-100 189C 9-21-06 OH 271A 23201 N

OLIVER IRON MINING CO. — MAP OF THE — CHISHOLM MINE

— CHISHOLM DISTRICT —

— LEGEND —

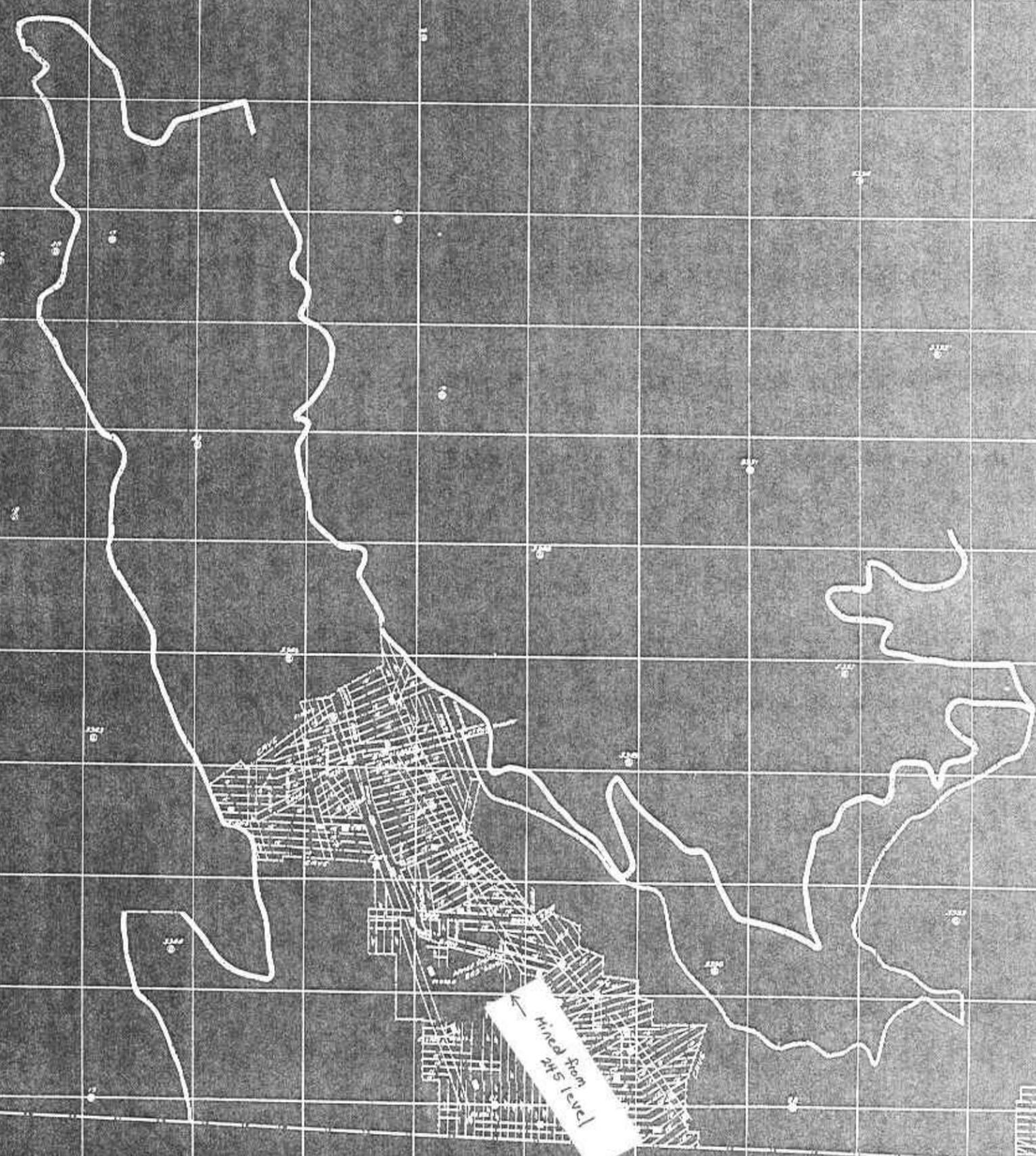
232 FOOT LEVEL

- DRILL HOLES ●
- RAISES ○
- CAVE ———
- ROCK BOTTOM ———
- ROCK WALL ———
- ROCK BACK ———

SCALE

ENGINEERING DEPT.
CHISHOLM MINE

WATERMAN ENGINEERING
LAW SUPERVISOR



Mined from level 245

OLIVER IRON MINING CO.
 — MAP OF THE —
CHISHOLM MINE
 — CHISHOLM DISTRICT —
LEGEND
 245 FOOT LEVEL

ENCL. ADJES.	ROCK BOTTOM
RADES	ROCK WALL
CAVE	ROCK BATH

SCALE

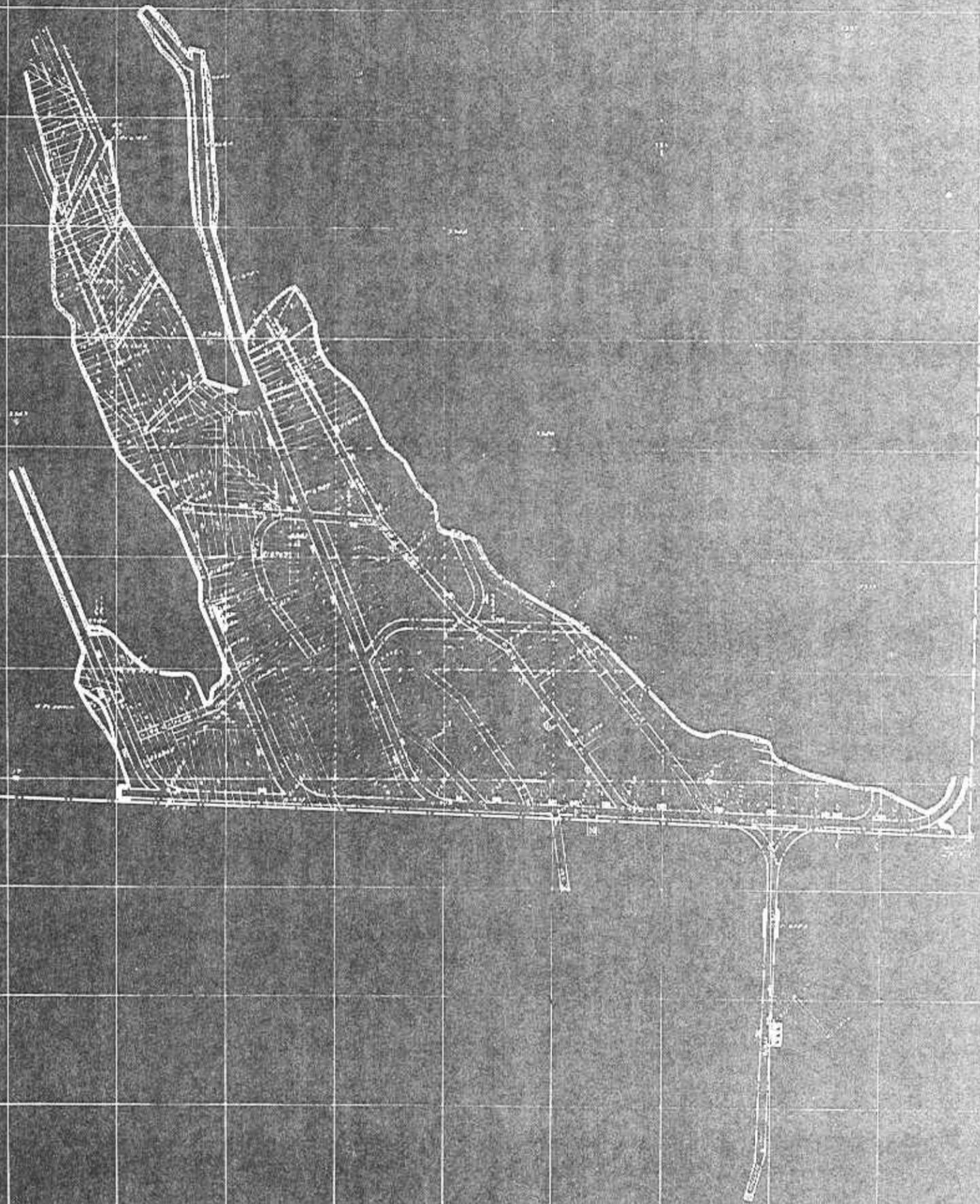



OLIVER IRON MINING CO.
 — MAP OF THE —
CHISHOLM MINE
 — CHISHOLM DISTRICT —
LEGEND
258 FOOT LEVEL

ENCL. PILES	⊗	ROCK BOTTOM	———
MAINS	⊙	ROCK WALL	———
CAVE	———	ROCK BACK	———

SCALE
 1" = 100'

ENGINEER TO DEPT.
 CHISHOLM MINE
 JANUARY 15, 1908
 L. W. SULLIVAN



OF 1531 1732 1-1-28 CHISHOLM 258FT LEV A-60

1RRC 9-21-06

CHI 28 IR 258 D11

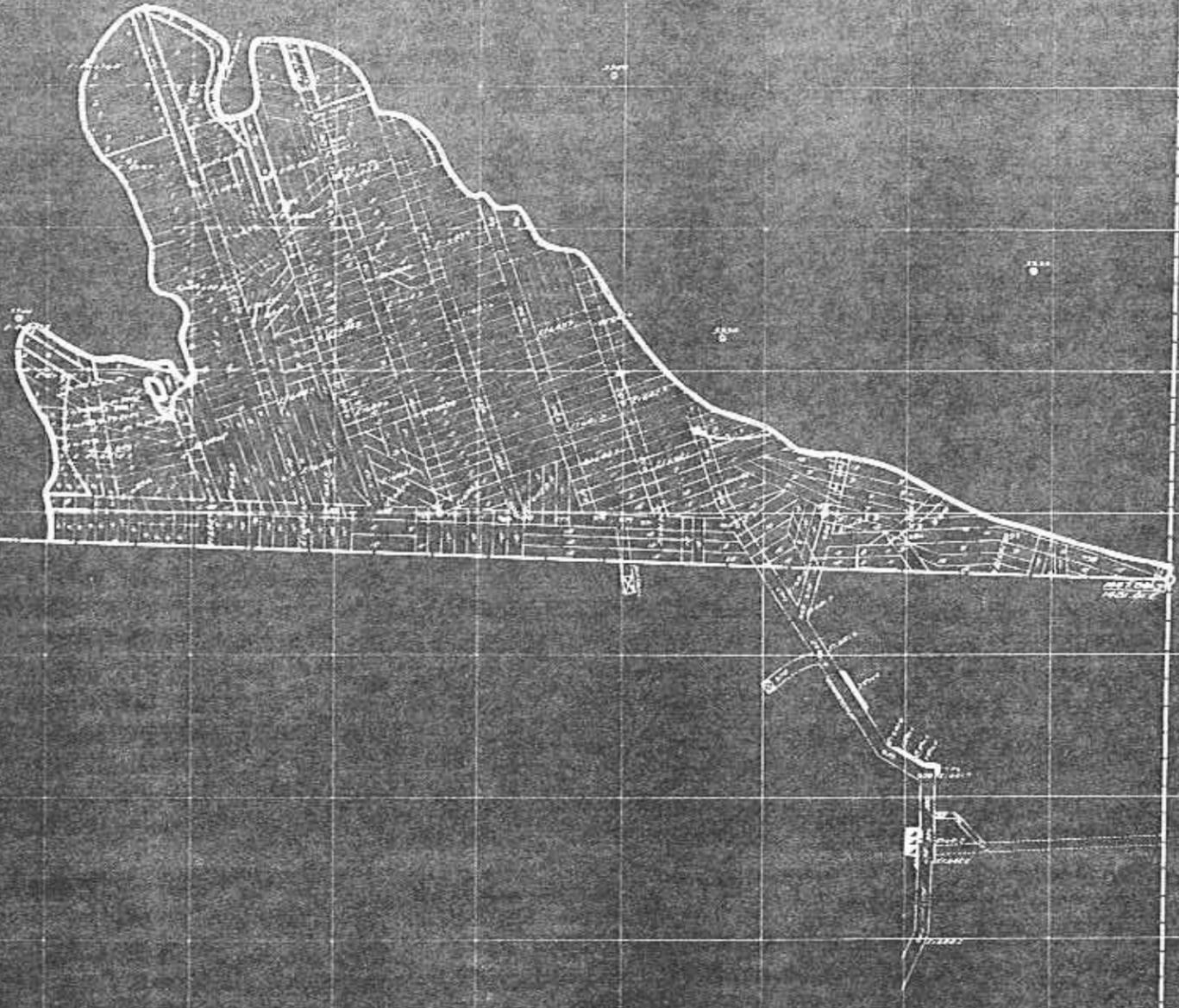
OLIVER IRON MINING CO.
 — MAP OF THE —
CHISHOLM MINE
 — CHISHOLM DISTRICT —

LEGEND
269 FOOT LEVEL

- | | | | |
|------------|---|-------------|-----|
| DRILL HOLE | ● | ROCK BOTTOM | ——— |
| RASE | ○ | ROCK WALL | ——— |
| CAVE | ○ | ROCK BACK | ——— |

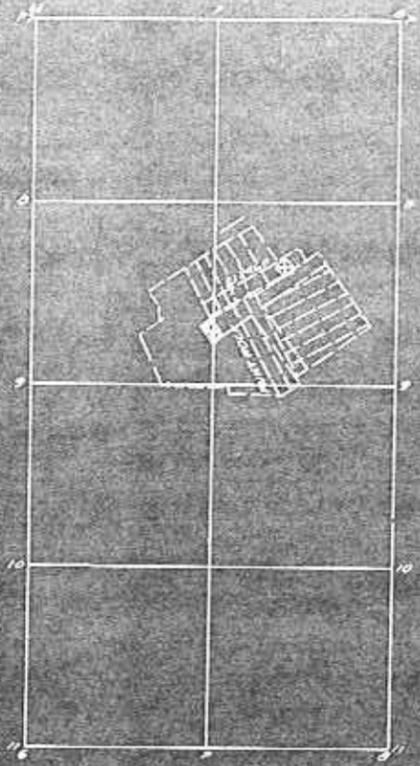
SCALE

CHISHOLM DISTRICT
 CHISHOLM MINE

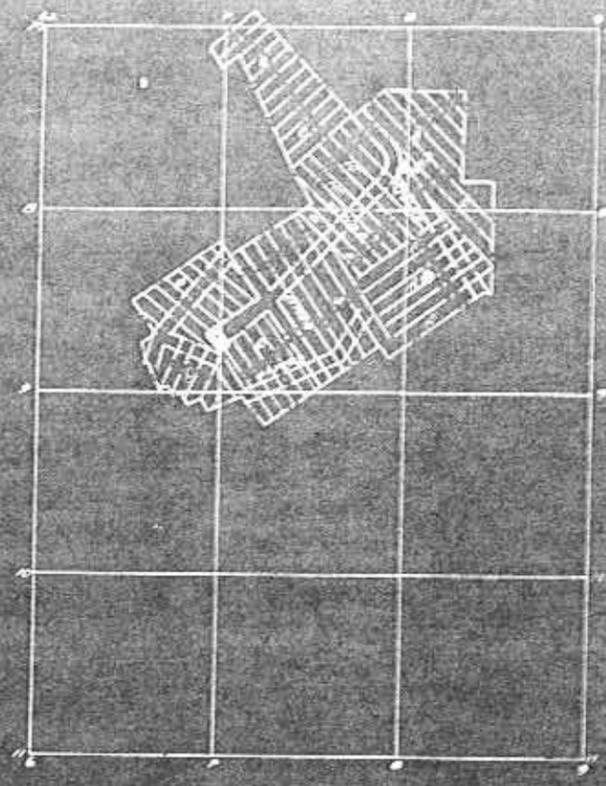


OLIVER IRON MINING CO.
 —MAP OF—
CHISHOLM MINE
 —CHISHOLM DISTRICT—

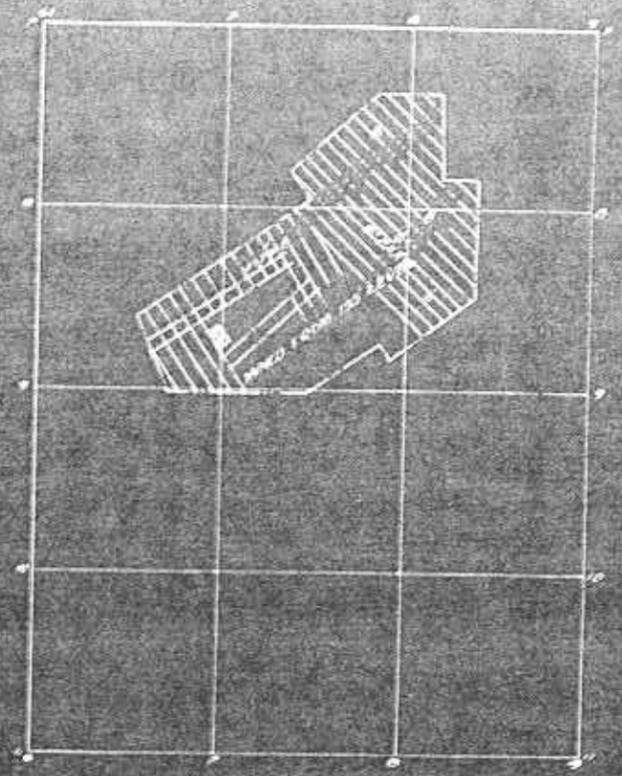
SCALE
 ENGINEERING DEPT.
 CHISHOLM, MINN.
 E.H.H.
 MAY 14, 1925



170 FT. LEVEL



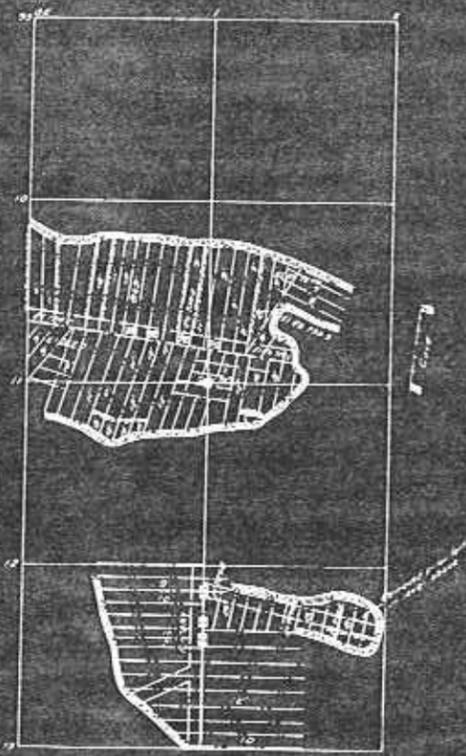
195 FT. LEVEL



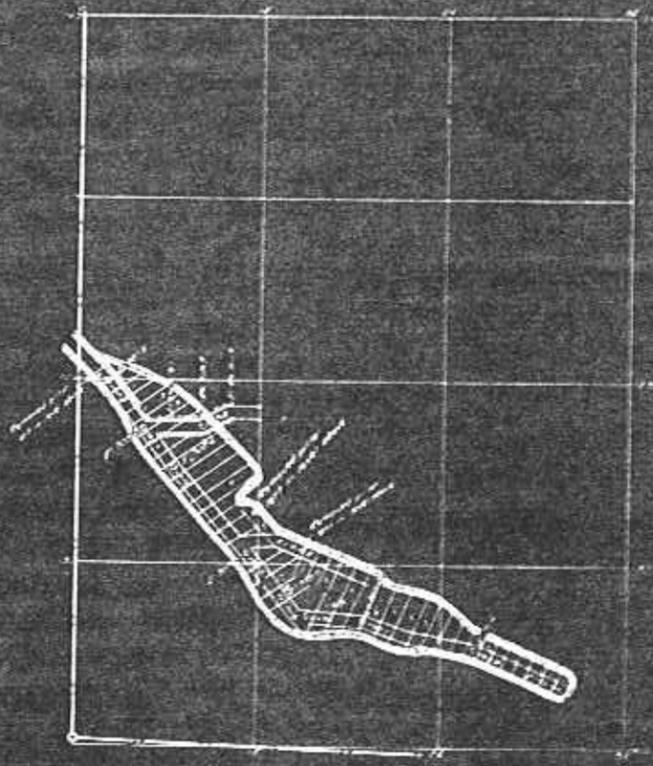
181 FT. LEVEL



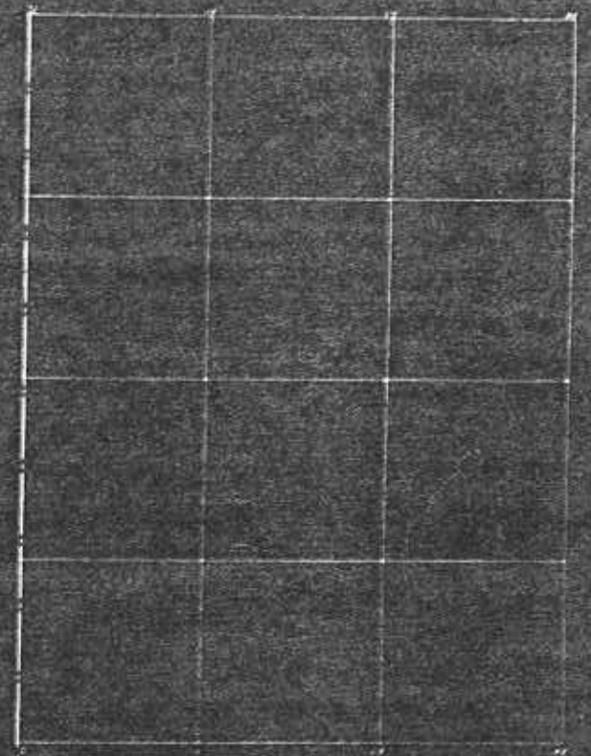
151 FT. LEVEL



195 FT. LEVEL



219 FT. LEVEL



OLIVER IRON MINING CO.
 —MAP OF—
CHISHOLM MINE
 —CHISHOLM DISTRICT—
TRACK PILLAR LEVELS

SCALE
 ENGINEERING DEPT.
 CHISHOLM MINE
 Jan. 12/1914

