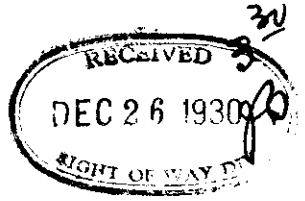
form 4-a 1 13-30 10M



STATE OF MICHIGAN

Office of the Michigan Public Utilities Commission, } ss.

I, J. Carl Sheil, Secretary of the Michigan Public Utilities Commission

Do Hereby Certify, That I have compared the annexed copy of permit U-7497

3349

wih the original permit

~~record~~

and that it is a true and correct transcript therefrom, and of the whole of such original.

3349

In Testimony Whereof, I have hereunto set my hand and affixed the seal of the Commission, at Lansing, this 24th day of December in the year of our Lord one thousand nine hundred thirty.

J. Carl Sheil

Secretary, Michigan Public Utilities Commission

RECORDED RIGHT OF WAY NO. 30190 Pg 5 part 2

DATA SHEET TO ACCOMPANY DRAWING RX - 1223.

V-7497

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the Detroit Toledo & Ironton R.R. approximately 1500' south of Great Lakes Ave. Village of Ecorse, Wayne Co., Michigan.

Circuits

Proposed one 4800 volt 60 cycle 3 wire 3 phase distribution circuit.

Poles

Pole(A)45'Idaho cedar 28"top circumference 41" butt circumference at ground line set 6'-6" in clay soil.
Poles (B)(C)45'Idaho cedar 28"top circumference 47"butt circumference at ground line set 6'-6" in clay soil.
Pole (D)45'Idaho cedar 28"top circumference 49"butt circumference at ground line set 6'-6" in clay soil.
Pole(E)45'Idaho cedar 28"top circumference 42"butt circumference at ground line set 6'-6" in clay soil.

Guys and Guy Attachments

One 5/16"copper weld Guy from Pole(A)37'above ground to anchor(G)15' from butt of Pole(A).
One 5/16"copper weld Guy from Pole(C)37'above groundto anchor(F)15' from butt of Pole(C).
All guy wire 7750 pound strand 5/16" Copperweld.

Cross Arms

Proposed one 3½x4½x96" douglas fir double cross arm on crossing poles (A)(B).
Existing one 3½x4½x96"douglas fir double Puck arm on Pole(A).

Conductors

Proposed 3#6 Medium hard drawn solid T.B.".P. copper wires.

Guy Clamps

On 5/16" & 3/8" guys - One 1-5/8" x 6" three bolt galvanized steel clamp at each end.
On 1/2" guy - One 1/2" galvanized Crosby clip at each end.

Guy Insulators

For distribution circuits - One O.B. #26500 (or equivalent) in 5/16" and 3/8" guys. One O.B. #25009 (or equivelant) in 1/2" guys.
For 24,000 volt transmission circuits - Use two insulators per guy instead of one as above.

Guy Anchors

On 5/16" & 3/8" guys - One 8" cone anchor set 5-1/2" deep.
On 1/2" guys - One four blade 8" expanding anchor set 7-1/2" deep.

Anchor Rods

On cone anchors - 1-5/8" x 8' round galvanized steel rod.
On expanding anchors - 1-3/4" x 8' round galvanized steel rod.

Crossarm Attachments

Center bolts - 5/8" galvanized steel.
Spacer bolts - 5/8" galvanized steel.
Spacers - 4" x 4" treated pine blocks.
Braces - (for 24,000 volt circuits) 1" x 2-1/2" x 30" treated yellow pine.
Braces - 1/4" x 1-1/4" x 28" galvanized steel for all other circuits.
Brace bolts - 3/8" galvanized steel bolts at arm end.
Brace bolts - 1/2" x 5" galvanized steel lag screws at pole end.

Pins

On 3-1/4" x 4-1/4" arms - 1-1/2" x 9" x 1" Locust pins.
On 3-3/4" x 4-3/4" arms - 1-3/4" x 10" x 1" Locust pins except for 24,000 volt circuits.
On 24,000 volt crossarm - 1-3/4" x 13-3/4" x 1-3/8" Locust pins.
On 24,000 volt pole top - 3-3/4" x 3-3/4" x 17" Locust pins.

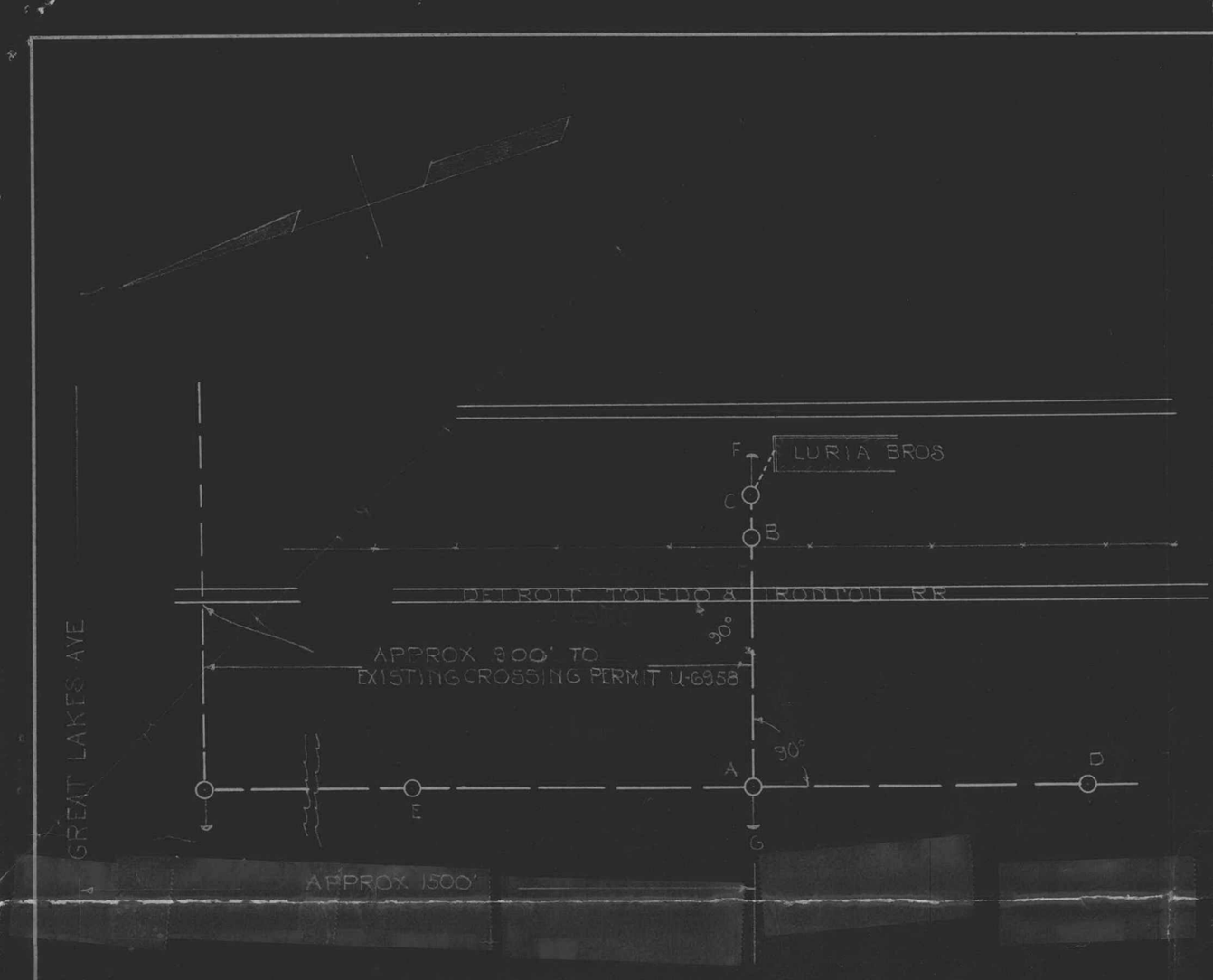
Insulators

24,000 volt circuits - One O.B. #11623 (or equivalent) porcelain, pin type, insulator and six Thomas #1162 (or equivalent) disk type insulators.
Ground wire on pole side bracket - One O.B. #12847 (or equivalent) porcelain, pin type insulator and two Thomas #1162 (or equivalent) porcelain, disk type insulators.
Ground wire on pole top pin - One O.B. #10636 (or equivalent) porcelain, pin type insulator and two Thomas #1162 (or equivalent) porcelain, disk type insulators.
Primary distribution, Series Street Lighting and Private telephone circuits, Two O.B. #12847,(or equivalent) porcelain, pin type insulators.
Secondary distribution circuits - Two Hemingray #20 (or equivalent) glass pin type insulators.

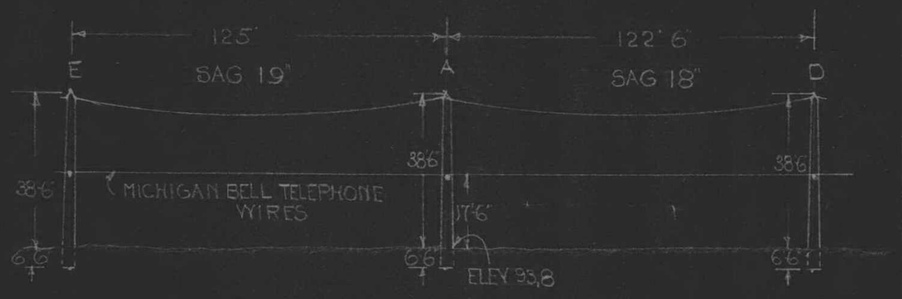
Note: For strain type construction (where shown) - On primary and series circuits, two O.B.#11940 (or equivalent) porcelain, strain type insulators and one O.B. #12847 (or equivalent) porcelain pin type insulator.
On secondary circuits two O.B. #25009 (or equivalent) porcelain strain type insulators and one Hemingray #20 (or equivalent) glass pin type insulator.

Ties

Standard top groove tie - On 24,000 volt, 4800 volt, series street lighting and private telephone circuits.
Standard side groove tie - On all circuits below 240 volts.
Tie wire - #8 soft, bare, copper, for 24,000 volt conductors.
#4 or #6 soft, solid, weatherproof, copper, for all circuits using weatherproof conductors.
#6 bare aluminum tie wire for #2 A.C.S.R. conductors.

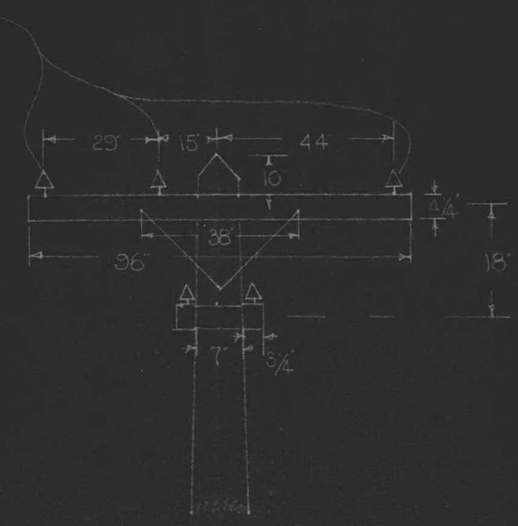


PLAN OF CROSSING

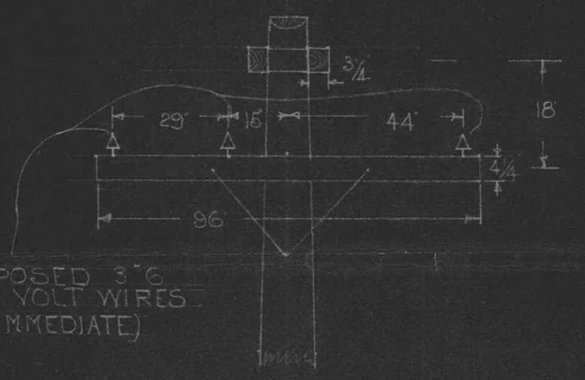


ELEVATION OF CROSSING LOOKING EAST

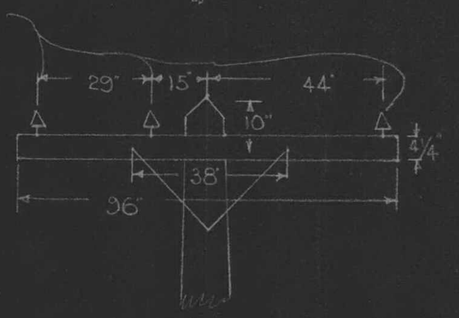
ELEVATION LOOKING NORTH



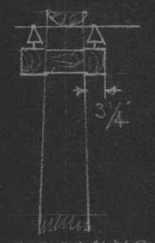
POLE (A) LOOKING NORTH



POLE (A) LOOKING EAST



POLE (B) LOOKING EAST



LOOKING NORTH

PURPOSE OF LINE
EXTENSION OF DISTRIBUTION
TO SERVE LURIA BROS CO

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
FILE U-7497 DATE DEC 22 1930
CHIEF ENGINEER

VILLAGE
~~CITY~~ FCORSE
COUNTY WAYNE
TOWNSHIP
SURVEY NO. OF TWP.
RANGE NO.
SECTION NO.

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH. PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER DETROIT TOLEDO & IRONTON R R
DRAWN BY E E H DATE 12-17-30
CHECKED BY [illegible] DATE 12-17-30

DRAFTING & SURVEYING BUREAU RX # 1223

MILLER-WAYNE

RECORDED RIGHT OF WAY NO. 30190 P25
part 2