Form 4a-5-10-26—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 No. U-3740

2331

2331

with the original permit

~~recorded in~~

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

In Testimony Whereof, I have hereunto set my hand and affixed the seal of the Commission, at Lansing, this sixth day of June in the year of our Lord one thousand nine hundred twenty-seven

J. Carl Sheil

Secretary, Michigan Public Utilities Commission.

MEW

RECORDED RIGHT OF WAY NO. 34636 p182

Form 14B—1-19-24—12,500

STATE OF MICHIGAN

BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-3740

In Re Application of Detroit Edison Company (Detroit)

Pursuant to Act No. 171 of the Session Laws of 1893, as amended, application having been made to Michigan Public Utilities Commission by said Detroit Edison Company

for permission to string wires across the tracks of the Grand Trunk Railway System

and said Detroit Edison Company

having conformed to the Commission's rules governing the filing of notices and issuing of permits for the construction of electrical lines and said rail way company having waived the right of notice and hearing provided for in said act

THEREFORE, It is ordered that said Detroit Edison Company

be permitted to string the following described wires across the tracks of said railroad at the following described place: In Richmond Township, Macomb County, Michigan:-) In Pound Road, 1030 ft. NE of mile-post 39, with:

3 - #6 copper wires, 4800 volts, three-phase.

as indicated on the attached plans, when, as and if approved.

At the point of crossing said wires shall be constructed in accordance with this Commission's rules and regulations.

Given under our hands and the Official Seal of this Commission at the City of Lansing, State of Michigan, this 6th day of June A. D. 19 27.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

SHERMAN T. HANDY
Chairman,

SAMUEL ODELL
Commissioner,

SAMUEL D. PEPPER
Commissioner,

ROLPH DUFF
Commissioner,

SIDNEY E. DOYLE
Commissioner.

MEW

RECORDED RIGHT OF WAY NO. 34636 p182

FILE No. 2331

FILE No. 2331

RECORDED RIGHT OF WAY NO. _____

DATA SHEET TO ACCOMPANY
DRAWING #RX-584

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the G.T.R.(Pt.Huron Detroit Div.), in Pound Road, 1030' north East of the G.T.Mile Post #39, N.E. ¼ Sec.36, Twp. 5 North, Range 14 East, Richmond, Twp., Macomb County, Michigan.

Circuits

Proposed one 4,800 volt, 60 cycle, 3 wire, 3 phase, distribution circuit.

Poles

Poles (B)&(C) 45' Idaho Cedar, 28" top circumference, 45" butt circumference at ground line set 6'-6" in clay soil.
Poles (A)&(D) 40' Idaho Cedar, 28" top circumference, 43" butt circumference at ground line set 6' in clay soil.

Guys and Guy Attachments

One 5/16" Guy from pole (B) 37' above ground to pole (A) 8' above ground.
One 5/16" Guy from pole (A) 32' above ground to pole (B) 8' above ground.
One 5/16" Guy from pole (C) 37' above ground to pole (D) 8' above ground.
One 5/16" Guy from pole (D) 32' above ground to pole (C) 8' above ground.
One 5/16" Guy from poles (B)&(C) 37' above ground to stubs (E)&(F) respectively 15' above ground.
All guy wire double galvanized stranded steel with a minimum ultimate strength of 55,000 pounds per square inch.

Cross Arms

Proposed one 3½" x 4½" x 96" Douglas fir double cross arm per crossing pole.

Conductors

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

RECORDED RIGHT OF WAY NO. 34636 P182

DATA SHEET TO ACCOMPANY
RAILROAD CROSSING DRAWINGS

Guy Clamps

One 1 5/8" x 6" three bolts galvanized steel clamp at each end, for 3/8" and 5/16" guys.
Two 1/2" Crosby guy clamps at each end, for 1/2" guys.

Guy Insulators

Two O.B.#26500 - 3½" porcelain interlocking strain type insulators on 3/8" and 5/16" guys for 24,000 volt circuits and one per guy for lower voltages.
Two O.B.#25009 - 4" porcelain interlocking strain type insulators on 1/2" guys for 24,000 volt circuits and one per guy for lower voltages.

Guy Anchors

Four Blade "Everstick" on 1/2" Guys buried 7' deep.
8" Cone on 3/8" and 5/16" guys buried 6' deep.

Anchor Rods

3/4" x 8' round galvanized steel rods on "Everstick" Anchors.
5/8" x 6' round galvanized steel rods on 8" Cone anchors.

Cross Arm Attachments

5/8" Galvanized steel center bolts.
5/8" Galvanized steel spacer bolts.
4" x 4" treated pine space blocks.
1/4" x 1½" x 28" flat galvanized steel braces.
3/8" galvanized steel bolts at arm end of braces.
1/2" x 5" galvanized steel lag screws at pole end of braces.

Pins

1¾" x 14" x 1 3/8" locust pins for 24,000 volt circuits.
1¾" x 10-1/8" x 1" locust pins for all other circuits.

Insulators

One O.B.#11623 pin type and four Locke #8049 disc type insulators per wire, per crossing pole on 24,000 volt circuits. (One O.B.#11623 and two Locke #8049 for dead ends).
Two O.B.#12847 porcelain pin type insulators per wire, per crossing pole for 4,800 volt, 2,400 volt, series lighting, and private telephone circuits.
Two #2o Hemingray glass insulators per wire, per crossing pole for 120/240 volt secondary circuits.
One O.B.#12847 pin type and two Colonial #11940 disc type insulators per wire for #0000 primary circuits and one #20 Hemingray glass pin type and two #25009 strain type insulators per wire for #0000 secondary circuits, per crossing pole.

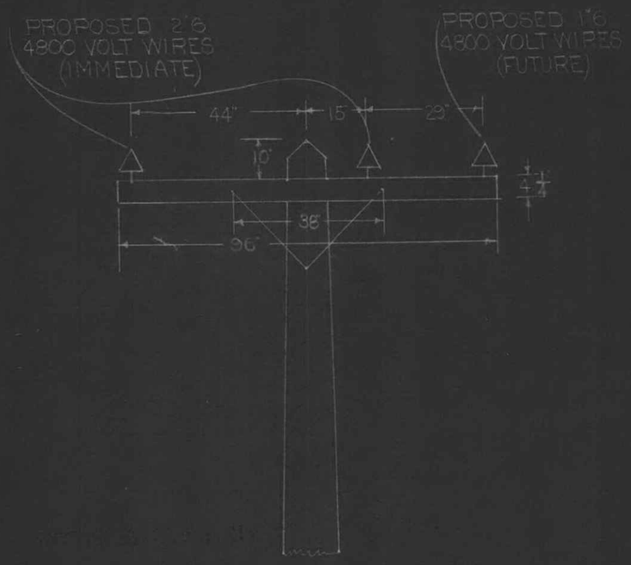
Ties

Standard top groove tie on 24,000 volt, 4,800 volt, 2,400 volt, series lighting and private telephone circuits.
Standard side groove tie on 120/240 volt secondary circuits.
#8 soft, solid, bare, copper tie wire for 24,000 volt circuits.
#6 soft, solid, weatherproof, copper tie wire on all other circuits.

Checked by D. Burns

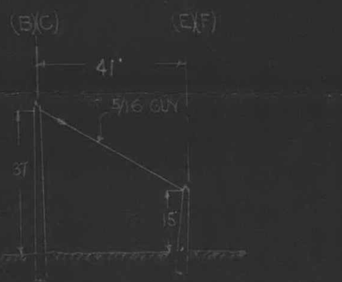
RECORDED RIGHT OF WAY NO. 346336 P&R

PLAN OF CROSSING

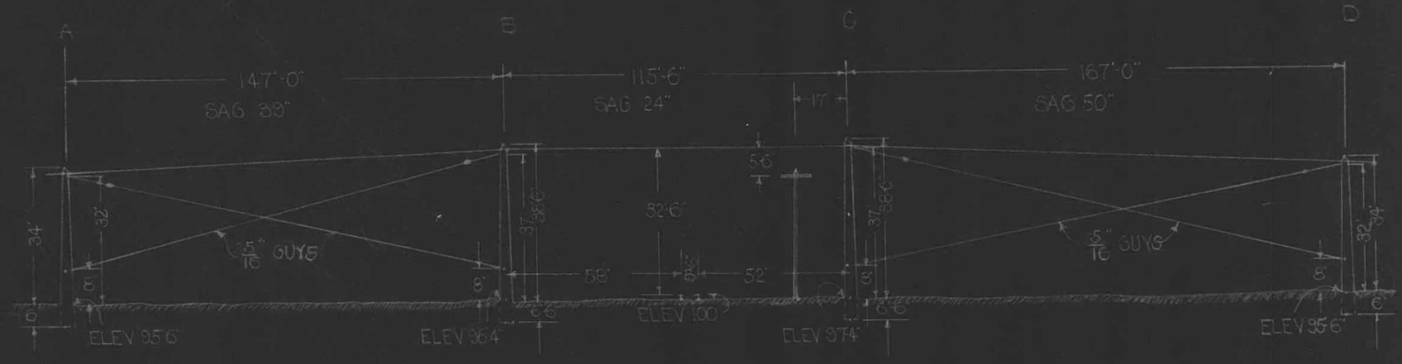


POLES (B) & (C) LOOKING EAST

LOOKING NORTH



ELEVATION LOOKING EAST



ELEVATION OF CROSSING LOOKING NORTH

TYPICAL POLE TOP CONSTRUCTION

PURPOSE OF LINE
EXTENSION OF PRIMARY LINES

APPROVED 3/28
FOR
MICHIGAN PUBLIC UTILITIES COMMISSION
H.B. Stevens
CHIEF ENGINEER
FILE U-3740 DATE JUN -4 1927

CITY X
COUNTY MACOMB
TOWNSHIP RICHMOND
SURVEY NO. OF TWP. 5 NORTH
RANGE NO. 14 EAST
SECTION NO. NE 1/4 SEC 36

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH. PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER GTR
DRAWN BY E.F.H. DATE 5-28-27
CHECKED BY D.R. DATE 6-31-27

DRAFTING & SURVEYING BUREAU RX # 584

RECORDED RIGHT OF WAY NO. 34636 P1P2

RECEIVED
MICHIGAN PUBLIC UTILITIES
COMMISSION
JUN 4 1927
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