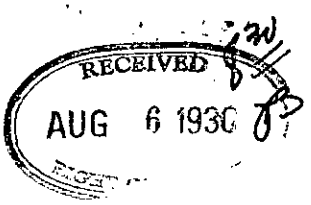
form 4-a—1 13-30—10M



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-7135

wih 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 4th day of August in the year of our Lord one thousand nine hundred thirty

J. Carl Sheil

Secretary, Michigan Public Utilities Commission

RECORDED RIGHT OF WAY NO. 34636 Page 244

MEW

Form 14

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-7135

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 Village of Drayton Plains, Oakland County, Mich.:- In Riverside Drive, 215 ft. W. of Dixie Highway, with: 3 - #6 Copper wires, 4800 volts, 3-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 4th day of August A. D. 19 30.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

ROBERT H. DUNN
Chairman,

SAMUEL ODELL
Commissioner,

ALVA M. CUMMINS
Commissioner,

RUSSELL A. GORMAN
Commissioner,

JAMES BICE
Commissioner.

Countersigned

J. Carl Sheil
Secretary

MEW

RECORDED RIGHT OF WAY NO. 34636 62442

Rx 1174

DATA SHEET TO ACCOMPANY
DRAWING RX-1174

Name of Company

The Detroit Edison Company

Name and Location of Crossing

Over the G.T.R.R. in Riverside Drive, approximately 215 ft. west of Dixie Highway, Sec. 10, Town 3 North, Range 9 East, Village of Drayton Plains, Waterford Township, Oakland County, Michigan.

Circuits

Existing one 4800 volt, 60 cycle, 3 wire, three phase distribution circuit.

Poles

Pole (A) 35 ft. Idaho cedar, 28 in. top circumference, 39 in. butt circumference at ground line, set 6 ft. in clay soil.
Pole (B) 50 ft. Idaho cedar, 28 in. top circumference, 50 in. butt circumference at ground line, set 7 ft. in clay soil.
Pole (C) 40 ft. Idaho cedar, 28 in. top circumference. 32 in. butt circumference at ground line, set 8 ft. in clay soil.
Pole (D) (F) 45 ft. Idaho cedars, 28 in. top circumference, 42 in. butt circumference at ground line, set 6 ft. 6 in. in clay soil.
Pole (E) 50 ft. Idaho cedar, 28 in. top circumference, 44 in. butt circumference at ground line, set 7 ft. in clay soil.

Guys and Guy Attachments

One 5/16 in. guy from pole (B) 41 ft. above ground to anchor (G) 29 ft. from butt of pole (B).
One 1/2 in. guy from pole (B) 41 ft. above ground to anchor (H) 17 ft. 6 in. from butt of pole (B).
One 1/4 in. guy from pole (C) 30 ft. above ground to pole (D) 14 ft. above ground.
One 5/16 in. guy from pole (D) 36 ft. above ground to pole (C) 12 ft. above ground.
One 1/2 in. guy from pole (E) 41 ft. above ground to anchor (J) 56 ft. 6 in. from butt of pole (E).
All guy wire double galvanized, stranded steel, with a minimum ultimate strength of 55,000 lbs. per square inch.

Cross Arms

Existing one 3-1/4 x 4-1/4 x 96 in. Douglas fir double cross arm per crossing pole.
Existing one 3-3/4 x 4-3/4 x 96 in. Douglas fir double cross arm and one 3-1/4 x 4-1/4 x 96 in. Douglas fir double cross arm on pole (B).
Existing one secondary rack on pole (B).

Conductors

Existing 3 #6 medium hard drawn, solid, T.B.W.P., copper wires.

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Guy Clamps

One 1 5/8" x 6" three bolts galvanized steel clamp at each end, for 3/8" and 5/16" guys.
One ½" Crosby guy clamp at each end, for ½" guys.

Guy Insulators

Two O.B. #26500 or equivalent 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 or equivalent 4" porcelain interlocking strain type insulators one ½" guys for 24,000 volt circuits and one per guy for lower voltages.

Guy Anchor

Four blade 8" expanding anchor on ½" guys buried 7½' deep.
8" Cone on 3/8" and 5/16" guys buried 5½' deep.

Anchor Rods

¾" x 8' round galvanized steel rods on expanding anchors.
5/8" x 6' round galvanized steel rods on 8" Cone anchors.

Cross Arms Attachments

5/8" galvanized steel center bolts.
5/8" galvanized steel spacer bolts.
4" x 4" treated pine space blocks.
¼" x 1¼" x 28" flat galvanized steel braces.
3/8" galvanized steel bolts at arm end of braces.
½" x 5" galvanized steel lag screws at pole end of braces.

Pins

1¾" x 13¾" x 1 3/8" locust pins for 24,000 volt circuits.
1¾" x 10" x 1" locust pins for all other circuits on 3¾"x4¾" arms.
1¾" x 9" x 1" locust pins on all other circuits on 3¼"x4¼" arms.

Insulators

One O.B. #11623 or equivalent pin type and four Locke #8049 or equivalent disc type insulators per wire, per crossing pole on 24000 volt circuits. (one O.B.#11623 or equivalent and two Locke #8049 or equiv.for dead ends)
Two O.B. #12847 or equivalent porcelain pin type insulators per wires per crossing pole for 4800 volt, 2400 volt, series lighting and private telephone circuits.
Two #20 Hemingray glass insulators per wire, per crossing pole for 120/240 volt secondary circuits.
One O.B.#12847 or equivalent pin type and two Colonial #11940 or equivalent disc type insulators per wire for #0000 primary circuits and one #20 Hemingray glass pin type and two O.B.#25009 or equivalent strain type insulators per wire for #0000 secondary circuits per crossing pole.

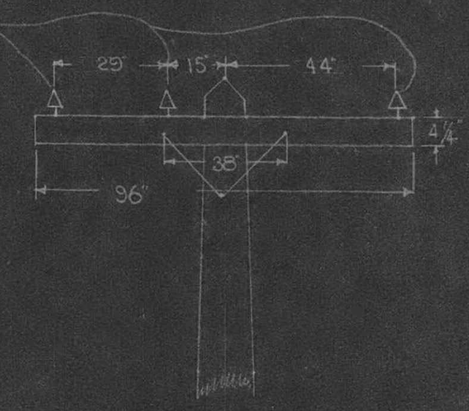
Ties

Standard top groove tie on 24,000 volt, 4800 volt, 2400 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.
#4 or #6 soft, solid, weatherproof copper tie wires on all other circuits using weatherproof copper wire.
#6 bare aluminum tie wire on A.C.S.R. conductors.

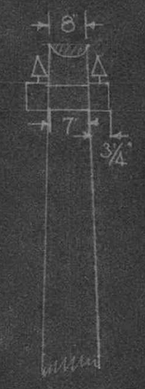
RECORDED RIGHT OF WAY NO. 24636 & 24641

PLAN OF CROSSING

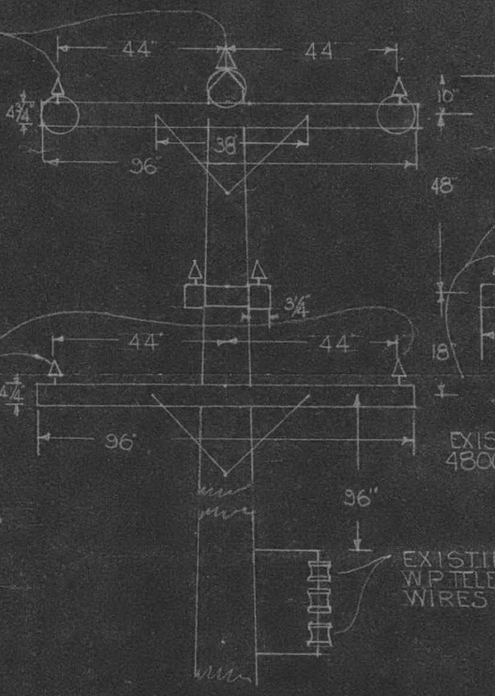
ELEVATION OF CROSSING LOOKING NORTH



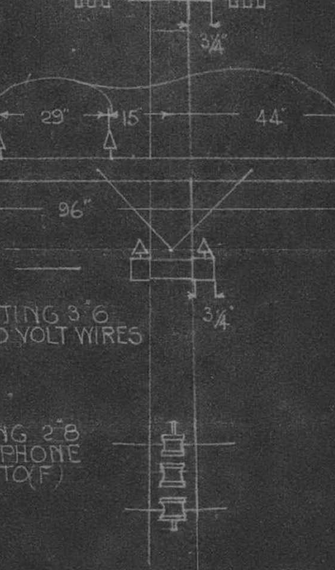
POLE (C) LOOKING EAST



POLE (C) LOOKING NORTH



POLE (B) LOOKING NORTH



POLE (B) LOOKING EAST

PURPOSE OF LINE
REMOVING POLE (M) BECAUSE
IT IS A TRAFFIC HAZARD

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
CHIEF ENGINEER
FILE -7135 DATE AUG - 2 1930

VILLAGE OF DRAYTON PLAINS
CITY
COUNTY OAKLAND
TOWNSHIP WATERFORD
SURVEY NO. OF TWP. 3 NORTH
RANGE NO. 9 EAST
SECTION NO. SEC 10

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH.
PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER G T R
DRAWN BY E F H DATE 7-26-30
CHECKED BY E W L DATE 7-29-30

SHAIRER

DRAFTING & SURVEYING BUREAU RX # 174

RECORDED RIGHT OF WAY NO. 34636
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