

STATE OF MICHIGAN
Office of the Michigan Public Utilities Commission, } ss.

I, Peter Fagan, Secretary of the Michigan Public Utilities Commission,

Do Hereby Certify, That I have compared the annexed copy of Permit No. U-2496

with the original permit

~~/recorded in/~~

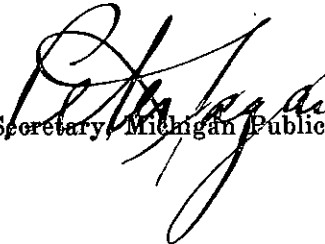
and that it is a true and correct transcript therefrom, and of the whole of such original.

In Testimony Whereof, I have hereunto set my hand and affixed

the seal of the Commission, at Lansing, this tenth

day of October in the year of our Lord

one thousand nine hundred twenty-five


Secretary, Michigan Public Utilities Commission.

MFW

RECORDED RIGHT OF WAY NO.

33222
p84

file 1948

file 1948

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-2496

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 Pere Marquette Railway Co.

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 Williamston, Ingham County, Michigan:-)	In Georgia St. 500 ft. West of depot, with:
)	1 - #4 copper wire, 4800 volts, single to 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 10th day of October A. D. 19 25.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

SHERMAN T. HANDY

Chairman,

SAMUEL ODELL

Commissioner,

SAMUEL D. PEPPER

Commissioner,

ROLPH DUFF

Commissioner,

WILLIAM W. POTTER

Commissioner.

RECORDED RIGHT OF WAY NO. 33222
184

STATE OF MICHIGAN
PUBLIC UTILITIES COMMISSION

IN RE: THE APPLICATION OF THE MICHIGAN STATE POWER CO. FOR A CHANGE IN RATES

TO BE HEARD AT THE REGULAR MEETING OF THE COMMISSION TO BE HELD AT LANSING, MICHIGAN, ON THE 15TH DAY OF APRIL, 1948.

AND WHEREAS the Michigan State Power Co. has filed with the Commission a petition for a change in rates and the Commission has ordered that the same be heard at the regular meeting of the Commission to be held at Lansing, Michigan, on the 15th day of April, 1948.

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DATA SHEET TO ACCOMPANY
DRAWING #RX-282

U-2494
1923
copy
file

Name of Company

The Detroit Edison Company

Name and Location of Crossing

Over the Pere Marquette R.R. in Georgia Street, approximately 500' west of the P.M. Depot, N.E. 1/4 of Section 2, Town 3 North, Range 1 East, Village of Williamston, Wheatfield Township, Ingham County, Michigan.

Circuits

Existing one 5,000 volt, 60 cycle, 2 wire, single phase, series street lighting circuit.
Existing one 4800 volt, 60 cycle, 2 wire, single phase, primary distribution circuit.
Proposed one wire to convert existing 4800 volt, 60 cycle, single phase circuit to three phase circuit.

Poles

Poles (A) & (D) 35' Michigan Cedar, 22" top circumference, 38" butt circumference at ground line, set 5'-6" in clay soil.
Pole (B) 40' Idaho Cedar, 28" top circumference, 44" butt circumference at ground line, set 6' in clay soil.
Pole (C) 40' Idaho Cedar, 28" top circumference, 42" butt circumference at ground line, set 6' in clay soil.

Guys and Guy Attachments

One 5/16" guy from pole (B) 32' above ground to pole (A) 8' above ground.
One 5/16" guy from pole (B) 32' above ground to anchor (E) 10' from butt of pole (B).
One 5/16" guy from pole (C) 32' above ground to anchor (F) 9' from butt of pole (C).
One 5/16" guy from pole (C) 32' above ground to pole (D) 9' above ground.
One 5/16" guy from pole (B) 30' above ground to anchor (G) 11' from butt of pole (B).
One 5/16" guy from pole (B) 30' above ground to stub (H) 23' above ground.
All guy wire double galvanized stranded steel with a minimum ultimate strength of 50,000 pounds per square inch.

Guy Clamps

One 1 5/8" x 6" three bolt galvanized steel clamp at each end of 5/16" guys.

Guy Insulators

One O.B. #26500 - 3 1/2" porcelain interlocking strain type insulator on 5/16" guy.

DATA SHEET TO ACCOMPANY
DRAWING #RX-282Guy Anchors

"Bierce Cone" buried 6' deep on 5/16" guys.

Anchor Rods

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

Cross Arms

Existing two 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir double cross arms for 120/240 volt, 4800 and 5,000 volt circuits.
No proposed cross arms

Cross Arm Attachments

5/8" galvanized steel center bolts
5/8" galvanized steel spacer bolts
4" x 4" treated pine spacer blocks
5/16" x 1 $\frac{1}{2}$ " x 28" flat galvanized steel braces
3/8" galvanized steel bolts at arm end of braces
1/2" galvanized steel lag screws at pole end of braces

Pins

1 $\frac{3}{4}$ " x 10 1/8" x 1" locust steel bolted (not galvanized) pins on all circuits.

Insulators

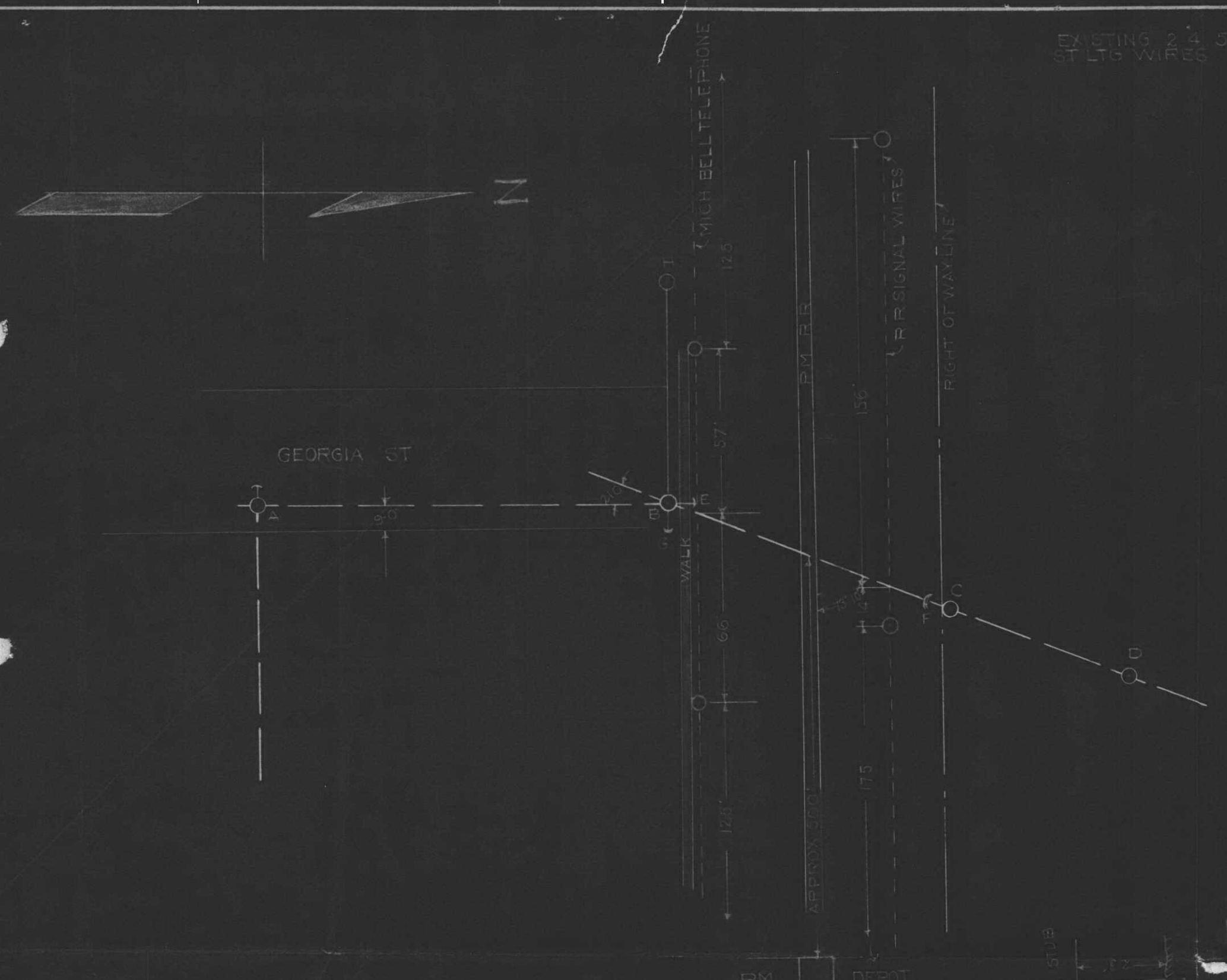
Two C.B. #12847 porcelain pin type insulators per wire, per crossing pole for 4800 and 5,000 volt circuits.

Conductors

Existing 4 #4 medium hard drawn, stranded, triple braid, weatherproof, copper wires.
Proposed 1 #4 medium hard drawn, stranded, triple braid, weatherproof, copper wire..

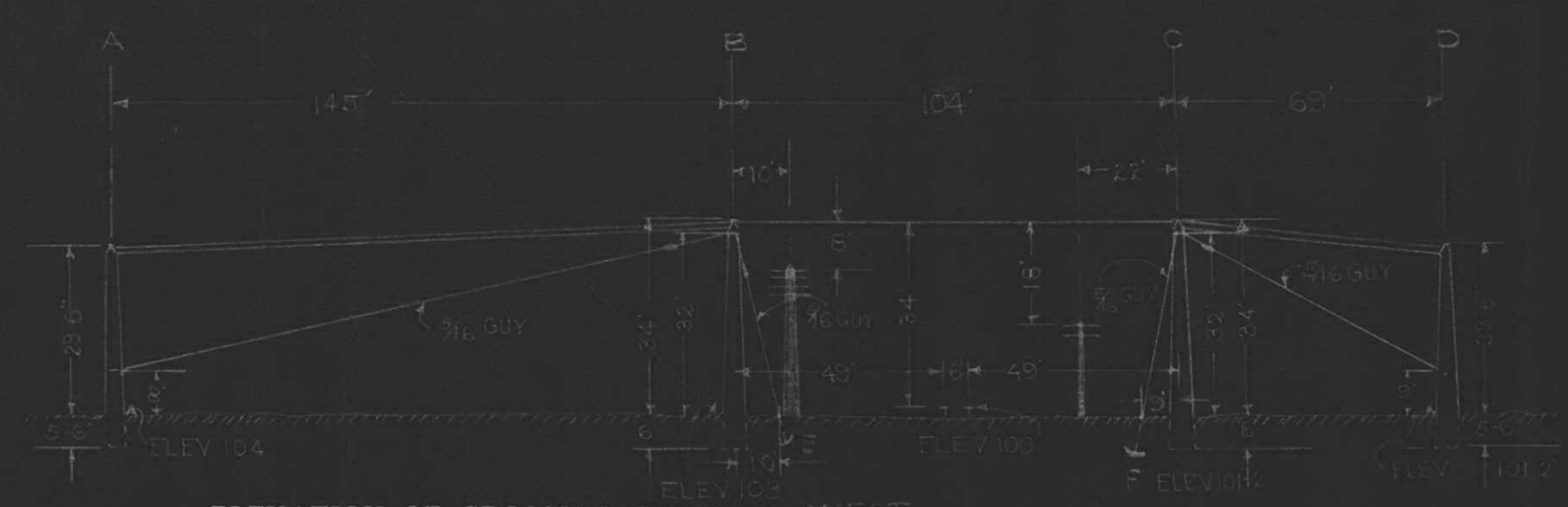
Ties

Standard top groove tie on 4800 and 5,000 volt circuits.
#6 soft, solid, weatherproof, copper tie wire on 4800 and 5,000 volt circuits.



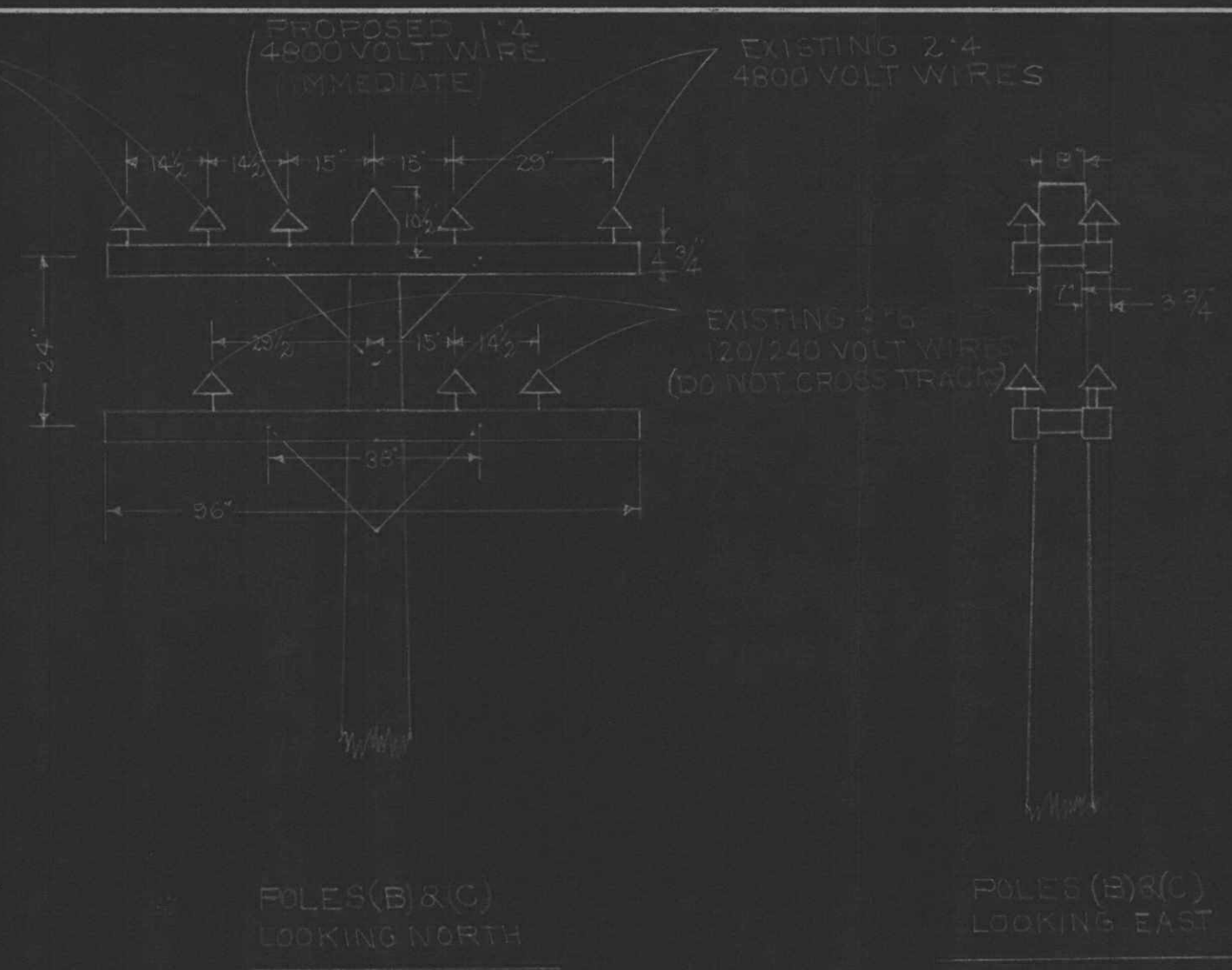
PLAN OF CROSSING

NORMAL SAGS AS PER FILED SPECIFICATIONS



ELEVATION OF CROSSING LOOKING WEST

EXISTING STILTS WITH 2" 4800 V



POLES (B) & (C) LOOKING NORTH

POLES (B) & (C) LOOKING EAST

TYPICAL POLE TOP CONSTRUCTION

PURPOSE OF LINE
 ADDITION OF ONE 4800 VOLT WIRE TO CONVERT EXISTING SINGLE PHASE CIRCUIT TO THREE PHASE CIRCUIT.

RECORDED ROW FILE #
 R33222P84

APPROVED

VILLAGE _____
 CITY _____
 COUNTY _____
 TOWNSHIP _____
 SURVEY NO. OF TWP. _____
 RANGE NO. _____
 SECTION NO. _____

THE DETROIT EDISON CO.
 PLAN SUBMITTED TO MICH. PUBLIC UTILITIES COMMISSION
 FOR _____ CROSSING
 OVER _____
 DRAWN BY _____ DATE _____
 CHECKED BY _____ DATE _____

RECORDED RIGHT OF WAY NO. 33222
p84

Handwritten signature

V-2496

RECEIVED
MICHIGAN PUBLIC UTILITIES
COMMISSION
OCT 6 1925
ANS'D

APPROVED *MRB*
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
J. H. Stearns
-2496 Acting CHIEF ENGINEER
DATE 10-9-1925

Oct 9 1925