

STATE OF MICHIGAN

Office of the Michigan Public Utilities Commission, } ss.

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

3719

Do Hereby Certify, That I have compared the annexed copy of **Permit No. U-8873**

3719

with the original permit

recorded in **File No. U-8873**

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

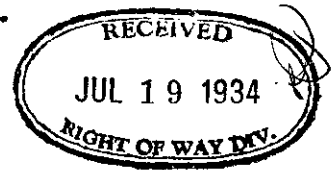
In Testimony Whereof, I have hereunto set my hand and affixed the seal of the Commission, at Lansing, this **17th** day of **July** in the year of our Lord one thousand nine hundred **thirty-four**.

*Peter Fagan*

Secretary, Michigan Public Utilities Commission

RECORDED RIGHT OF WAY NO.

34636  
p/66



STATE OF MICHIGAN  
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. **U-8573**.....

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 Western Railroad Company**

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 **road** 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 City of Port Haron, } In Wall Street, at the intersection of Third  
St. Clair County, } Street, with,  
Michigan:-- } 3 - #6 copper wires, 4800 volts, 3-phase  
1 - 1/4 " galvanized steel guy wire

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 **17th** day of **July** A. D. 19 **34**

MICHIGAN PUBLIC UTILITIES COMMISSION  
By

**James B. Balch**  
.....  
Chairman,

**Robert H. Dunn**  
.....  
Commissioner,

**Frank J. Sawyer**  
.....  
Commissioner,

**Horman M. Snider**  
.....  
Commissioner,

**Harold J. Waples**  
.....  
Commissioner.

Countersigned

.....  
**Peter Fagan**  
Secretary

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PROPERTY WITH REFERENCE TO ...

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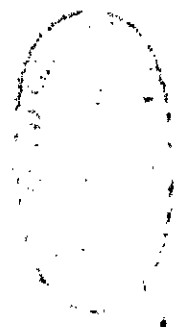
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Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the ~~Grand Trunk~~ R.R. siding, in Wall St. at the intersection of Third St., S.E.  $\frac{1}{4}$  Sec. 10, Township 6 north, Range 17 east, City of Pt. Huron, Pt. Huron Township, St. Clair County, Michigan.

Circuits

Proposed one 4800 volt, 60 cycle, 3 wire, 3 phase, distribution circuit.  
Existing one 120/240 volt, 60 cycle, 3 wire, single phase secondary circuit.

Poles

Poles(A)(B) 45' Idaho cedar, 27" top circumference, 54" butt circumference at ground line set 6'-6" in clay soil.  
Pole(C) 45' Idaho cedar, 25" top circumference, 45 $\frac{1}{2}$ " butt circumference at ground line set 6'-6" in clay soil.  
Pole(E) 40' Idaho cedar, 27" top circumference, 49" butt circumference at ground line set 6' in clay soil.  
Pole(F) 40' Idaho cedar, 27" top circumference, 50" butt circumference at ground line set 6' in clay soil.  
Stub(D) 22' Idaho cedar, 21" top circumference, 30" butt circumference at ground line set 6' in clay soil.

Guy and Guy Attachments

One 6M Guy from Pole(B) 37' above ground to Pole(A) 10' above ground.  
One 6M Guy from Pole(A) 37' above ground to Pole(B) 10' above ground.  
One 6M Guy from Pole(C) 37' above ground to Anchor(R) 35' from butt of Pole(C).  
One 5/16" Guy from Stub(D) 15' above ground to Anchor(G) 8' from butt of Stub(D).  
One 5/16" Guy from Pole(B) 34' above ground to Stub(D) 15' above ground.  
One  $\frac{1}{4}$ " Guy from Pole(E) 32' above ground to Pole(F) 17' above ground.  
One  $\frac{1}{4}$ " Arm Guy from Pole(B) to Pole(C) 37' above Ground.  
All guy wire double galvanized stranded steel with an ultimate strength of 55000 pounds per square inch except where otherwise specified.

Cross Arms

Existing one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 120" Douglas fir, double cross arm on Pole(B).  
Existing one 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir, double cross arm on Pole(B).  
Existing one 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir, double buck arm on Pole(B).  
Existing one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir, double cross arm on Pole(C).  
Existing two 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir, double cross arms on Pole(C).  
Existing one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 120" Douglas fir, single buck arm on Pole(C).

Conductors

Proposed 3 #6 medium hard drawn, solid, T.B.W.P. copper wires.  
Existing 3 #4 medium hard drawn, solid, T.B.W.P. copper wires.

*Blunder  
Wagner*

RECORDED  
INDEXED  
34636  
10/16

### Guy Clamps

Serve 5/16" x 3/8", 1/2" and 6M guys at pole end.  
One 3-bolt clamp at anchor end on 5/16" and 3/8" guys.  
Two 7/16" U-bolt clamps at anchor end of 1/2" & both ends of 16M guys.  
Two 3-bolt clamps at both ends of 5/16" copperweld guys.

### Guy Insulators

O.B. #26500 (or equivalent) in 5/16", 3/8" and 6M guys.  
O.B. #25009 (or equivalent) in 1/2", 10M, and 5/16" copperweld guys.  
Two insulators per guy for 24,000 volt circuits, and one per guy for distribution circuits.

### Guy Anchors

On 5/16", 3/8" and 6M guys - 8" cone anchor set 5-1/2' deep.  
On 10M, 1/2" steel, and 5/16" copperweld guys - 8" expanding anchor set 7-1/2' deep.  
On 16M guy, one concrete anchor (8 cu. ft. concrete) 6-1/2' deep.

### Anchor Rods

On 5/16", 3/8" and 6M guys - 5/8" x 6' round galvanized steel.  
On 1/2", 5/16" copperweld, 10M, 16M - 3/4" x 8' round galvanized steel.

### Crossarm Attachments

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

### Pins

Locust 1-3/4" x 13-3/4" x 1-3/8" on arms and 3-3/4" x 3-3/4" x 17" pole top for 24,000 volt circuits.  
Locust 1-1/2" x 9" x 1" on 3-1/4" x 4-1/4" arms, and 1-3/4" x 10" x 1" on 3-3/4" x 4-3/4" arms, for all other circuits.

### Insulators

24 kv. circuits - one O.B. #11623 (or equivalent) porcelain pin type and six Thomas #1162 (or equivalent) disk type for dead-end construction, or two O.B. #11623 (or equivalent) for double pin construction.  
4800 volt, series lighting, and private telephone circuits - two O.B. #12847 (or equivalent) pin type per wire.  
120-240 volt circuits - two Hemingray #20 (or equivalent) glass pin type per wire.

### Note

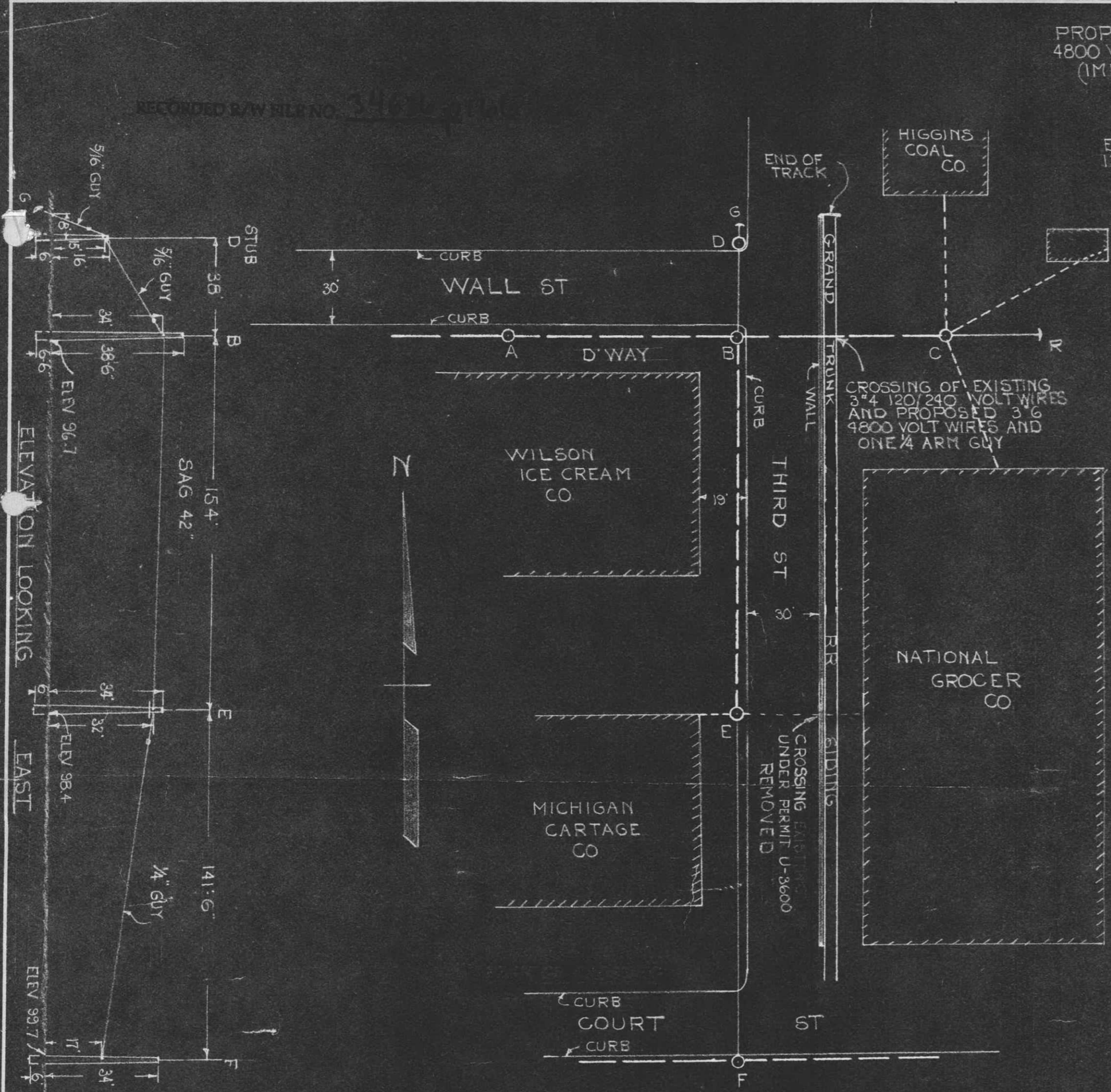
For strain type construction - on 4800 volt and series lighting circuits, two Lapp #6810 (or equivalent) strain insulators and one O.B. #12847 (or equivalent).

On 120-240 volt circuits - two O.B. #25009 (or equivalent) strain and one Hemingray #20 (or equivalent) glass pin type.

### Ties

Standard top groove tie on 24,000 volt, 4800 volt series lighting and private telephone circuits.  
Standard side groove tie on 120-240 volt circuits.  
Tie wire - #8 soft bare copper on 24,000 volt, and bare telephone wires. #6 or #8 soft solid weatherproof copper for all conductors having weatherproof covering.  
Aluminum armor rods and #10 galvanized iron tie wire for A.C.S.R. conductors.

RECORDED RIGHT OF WAY NO. 34636 p/166

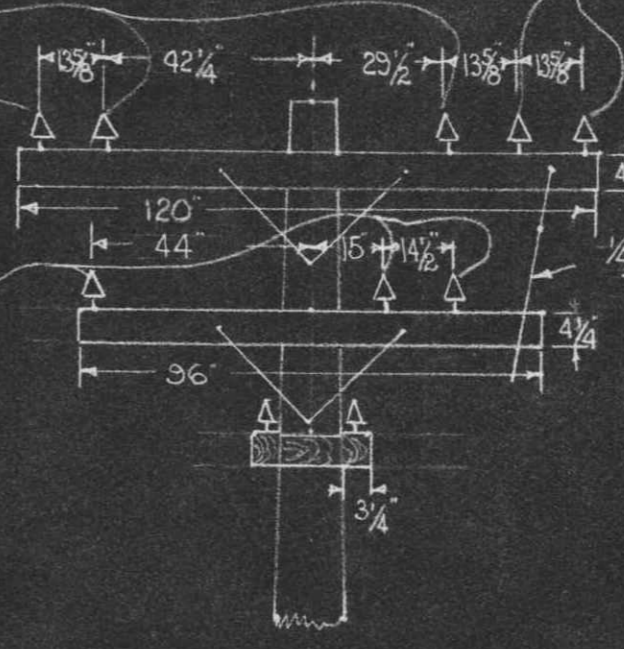


ELEVATION LOOKING EAST

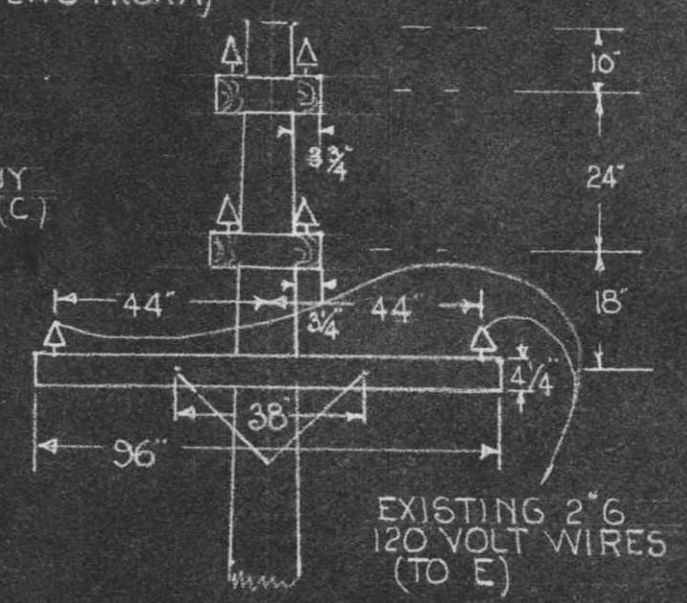
PROPOSED 3" 6 4800 VOLT WIRES (IMMEDIATE)

EXISTING 3" 4 120/240 VOLT WIRES

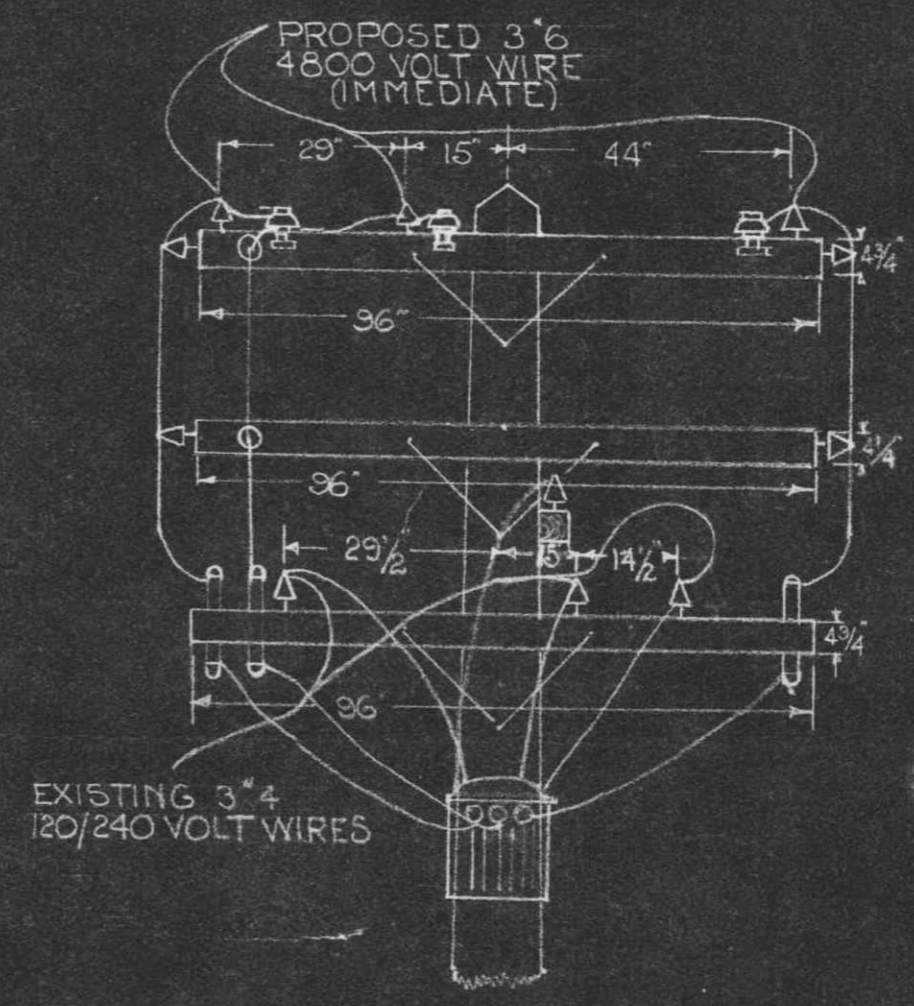
EXISTING 2" 6 ST LGT WIRES (DEAD END FROM A)



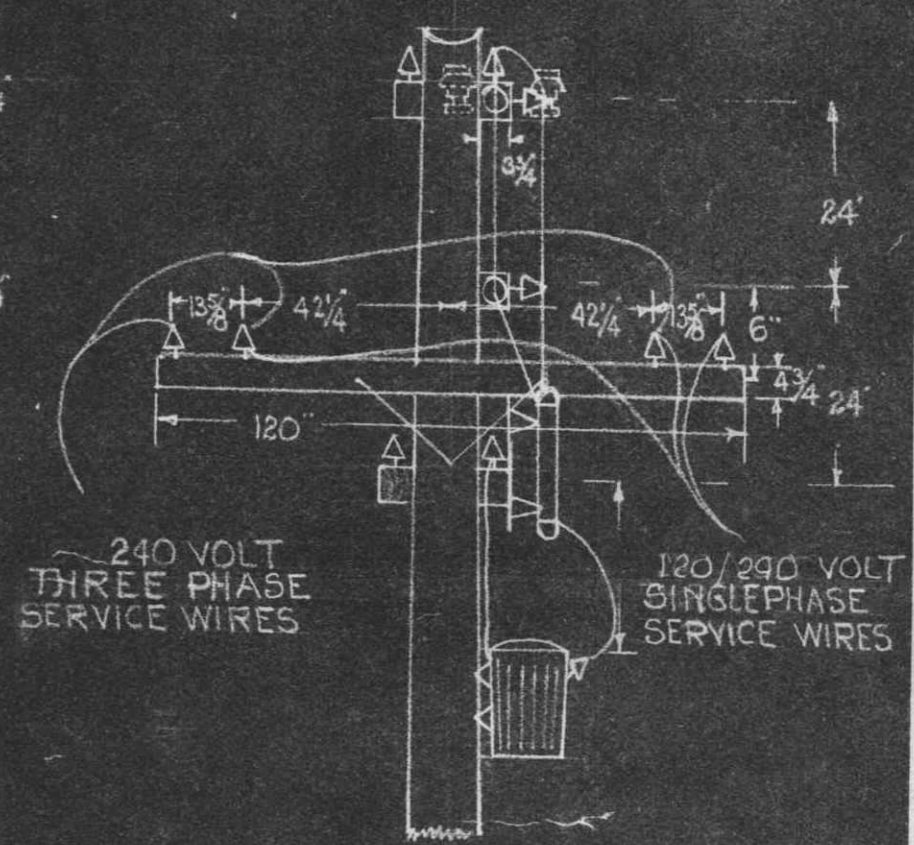
POLE (B) LOOKING WEST



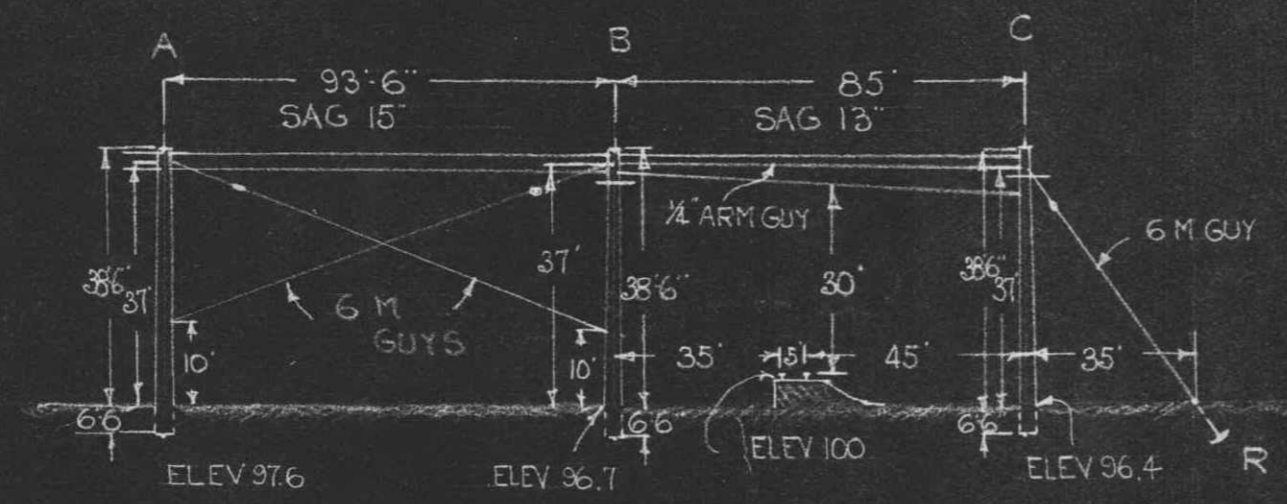
POLE (B) LOOKING NORTH



POLE (C) LOOKING EAST



POLE (C) LOOKING SOUTH



ELEVATION OF CROSSING LOOKING NORTH

PURPOSE OF LINE  
EXTENSION OF PRIMARY DISTRIBUTION

APPROVED  
FOR  
MICHIGAN PUBLIC UTILITIES  
COMMISSION  
*McAfee*  
U-8873 CHIEF ENGINEER  
DATE JUL 16 1934

CITY PORT HURON  
COUNTY ST CLAIR  
TOWNSHIP PT HURON  
SURVEY NO. OF TWP. 6 NORTH  
RANGE NO. 17 EAST  
SECTION NO. SE 1/4 SEC 10

THE DETROIT EDISON CO.  
PLAN SUBMITTED TO MICH.  
PUBLIC UTILITIES COMMISSION  
FOR 4800 VOLT CROSSING  
OVER GTRR SIDINGS  
DRAWN BY FEH DATE 3-28-34  
CHECKED BY FD DATE 4-7-34

PRIEBE MTCLEMENS

DRAFTING & SURVEYING BUREAU RX # 1414

RX-1414

APR 10 1934

(over)

Corrected print returned  
by M. P. N. Connor for  
Grand Trunk Western  
Crossing.

U-8873

7-17-34