

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-4928

2696

2696

with the original permit

recorded in file No. U-4928

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 September in the year of our Lord

one thousand nine hundred twenty-eight

Secretary, Michigan Public Utilities Commission.

MEW

RECORDED RIGHT OF WAY NO. 33222
P65

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the Pere Marquette R.R. (Spur track) in the Macomb-St. Clair County Line Rd; $\frac{1}{2}$ mile East of the Village of Memphis, being in the N.W., $\frac{1}{4}$ of Sec. 1 Richmond Twp. Town 5 North, Range 14 East, Macomb County, Michigan.

Circuits

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

Poles

Poles (A) & (C) 45' Idaho Cedar, 28" top circumference, 45" butt circumference at ground line set 6'-6" in clay soil.
Pole (B) 50' Idaho Cedar, 28" top circumference, 47" butt circumference at ground line set 7' in clay soil.
Pole (D) 40' Idaho Cedar, 28" top circumference, 43" butt circumference at ground line set 6' in clay soil.

Guys and Guy Attachments

One $\frac{1}{2}$ " Guy from pole (B) 41' above the ground to anchor (E) 65' from butt of pole (B).
One $\frac{1}{2}$ " Guy from pole (C) 37' above the ground to anchor (F) 55' from butt of pole (C).
One 5/16 Guy from pole (C) 32' above the ground to anchor (G) 10' from butt, of pole (C).
All Guy wire double galvanized stranded steel with minimum ultimate strength of 55,000 pounds per square inch.

Cross Arms

Existing two 3" x 4" x 96" Douglas Fir double cross arms per crossing pole.

Conductors

3 #4 medium hard drawn solid T.B.W.P. copper wires.
3 #0 medium hard drawn stranded T.B.W.P. copper wires.

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4-24-73

System Eng. Inc.

*Blanket
warrant*

DATA SHEET TO ACCOMPAN
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 - 3 1/2" 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 Anchor

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 Arms Attachments

5/8" Galvanized steel center bolts.
5/8" Galvanized steel spacer bolts.
4" x 4" treated pine space blocks.
1/4" x 1 1/4" 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

1 1/2" x 1 1/4" x 1 3/8" locust pins for 24,000 volt circuits.
1 1/4" 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 #20 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 wires on all other circuits.

Checked by.....
E. Burns

RECORDED RIGHT OF WAY NO. 33222
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STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-4928

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 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 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 Macomb - St. Clair county
road, Section 1, with:

3 - #0 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 **17th** day of **September** A. D. 19**28**.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

SIDNEY E. DOYLE
Chairman,

JAMES BICE
Commissioner,

BYRON P. HICKS
Commissioner,

ROBERT H. DUNN
Commissioner,

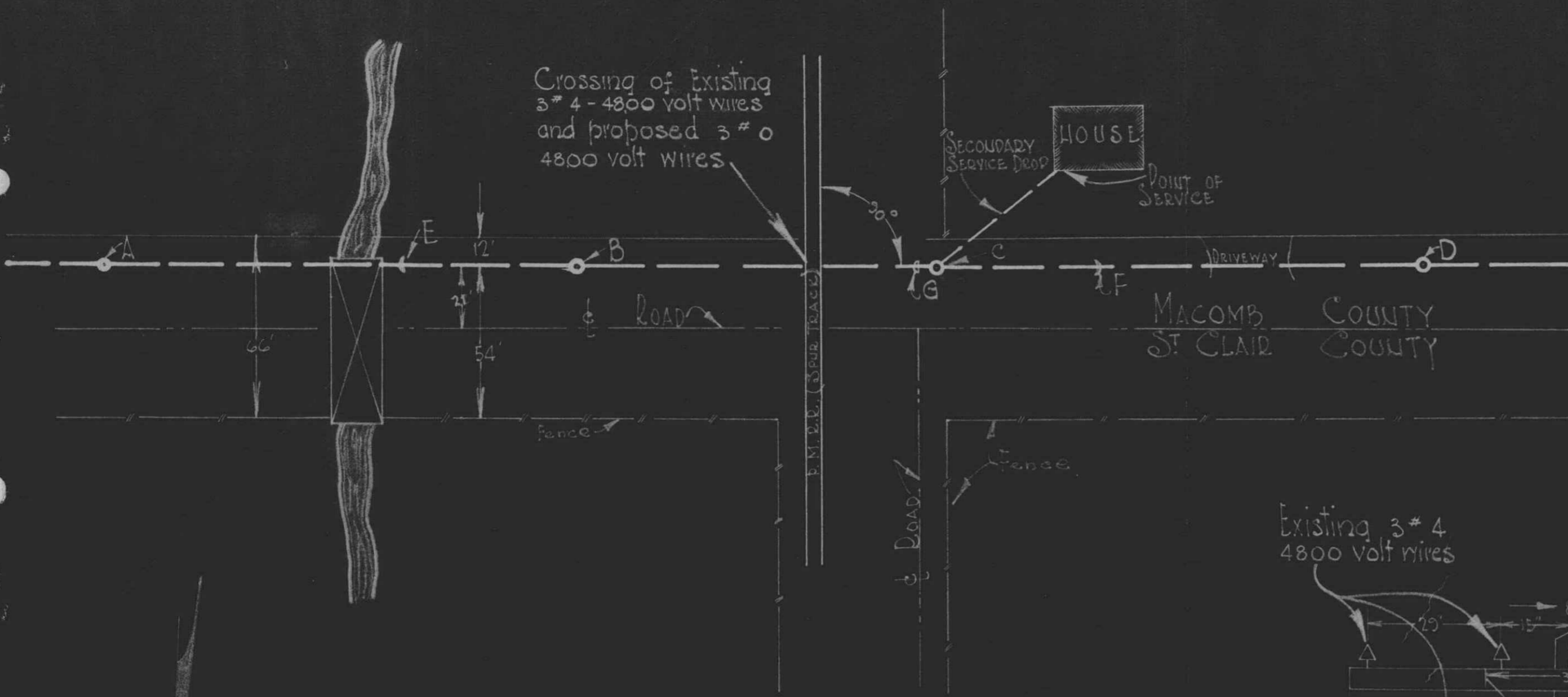
SAMUEL ODELL
Commissioner.

Countersigned

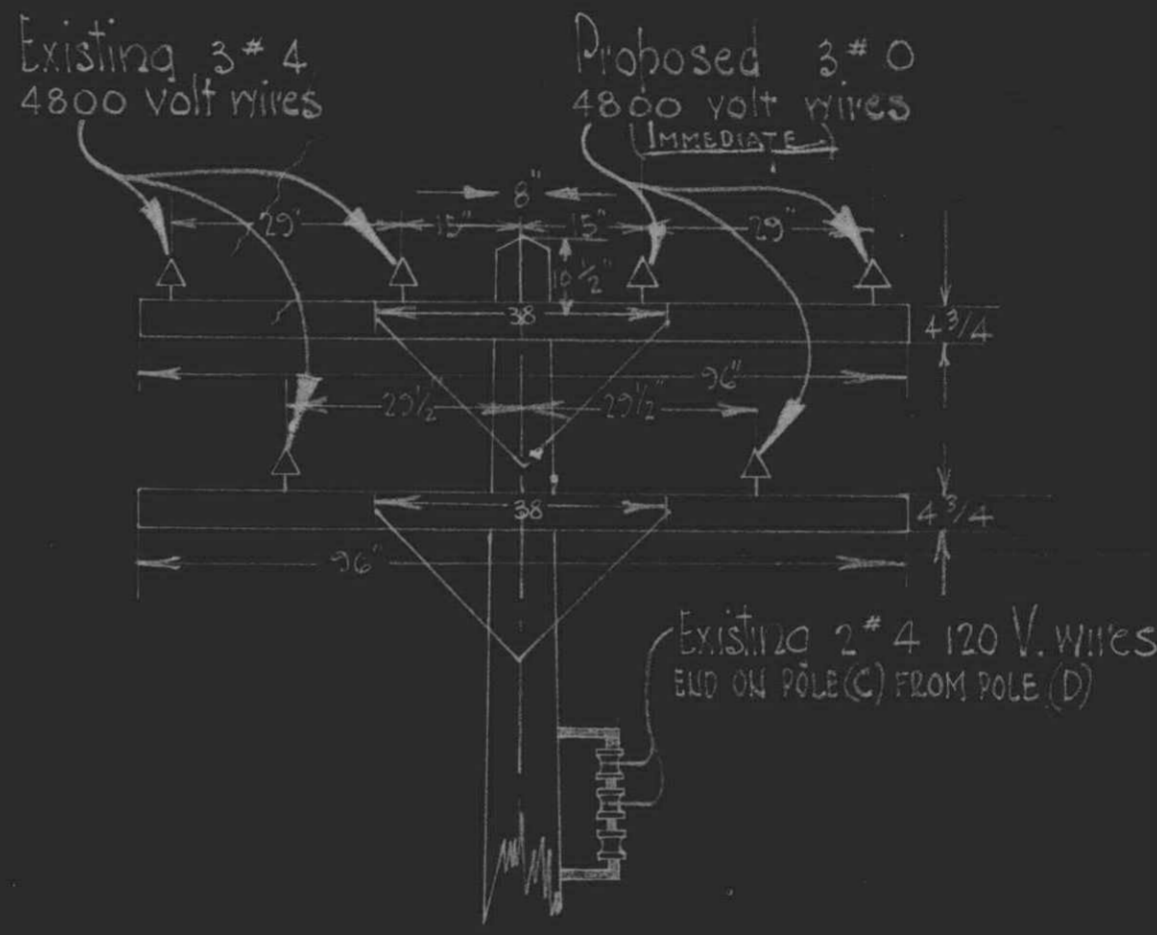
J. Carl Shell
Secretary

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PX-834

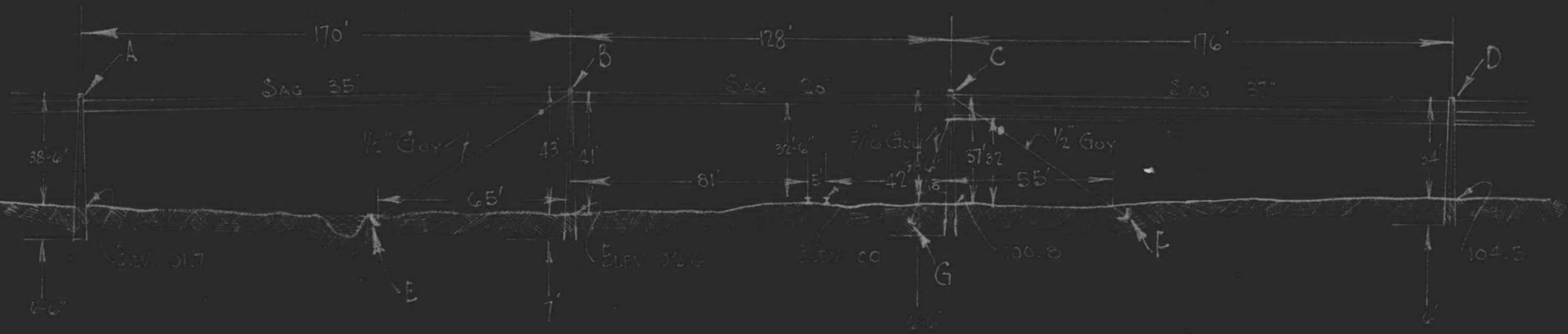


PLAN OF CROSSING



POLES (B) (C) LOOKING EAST

POLES (B) (C) LOOKING NORTH



ELEVATION OF CROSSING LOOKING SOUTH

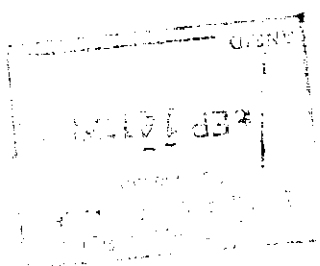
RECORDED ROW FILE #
R33222P65

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
J. H. [Signature]
CHIEF ENGINEER
FILE NO. 11-4928 DATE SEP 14 1928

CITY _____
COUNTY MACOMB
TOWNSHIP [unclear]
SURVEY NO. OF TWP. 5 NORTH
RANGE NO. 14 EAST
SECTION NO. 11 4 200 1

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH.
PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER [unclear]
DRAWN BY [unclear] DATE [unclear]
CHECKED BY [unclear] DATE 7-7-28

RECORDED RIGHT OF WAY NO. 32223
19



2267-A