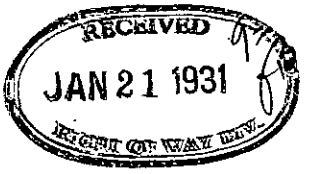
form 4-a—1 13-30—10M



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 No. U-7570

wih the original permit

recorded in File No. U-7570

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 19th day of January in the year of our Lord one thousand nine hundred thirty-one

J. Carl Sheil
Secretary, Michigan Public Utilities Commission

MEW

3362

3362

RECORDED RIGHT OF WAY NO. 34636 B233

Form 14

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-7570

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 Wales Township, St. Clair County, Michigan:- In Moran Road, 1200 ft. East of the West Section line of Section 3, S-6-N, R-15-E, with:

3 - #2 aluminum steel-cored 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 19th day of January A. D. 1931.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

RUSSELL A. GORMAN
Chairman,

SAMUEL ODELL
Commissioner,

ALVA M. CUMMINS
Commissioner,

JAMES BICE
Commissioner,

ROBERT H. DUNN
Commissioner.

Countersigned

J. Carl Sheil
Secretary

MEW

RECORDED RIGHT OF WAY NO. 34636
p233

RX-1230

DATA SHEET TO ACCOMPANY RX - 1230.

V-7570

Name of Company
The Detroit Edison Company.

Name and Location of Crossing
Over the Grand Trunk R.R.in Moran Rd.1200'East of the west Section Line of Section 3,N.W.¼Sec.3,Town 6 north,Range 15 East, ales Twp.St.Clair Co.,Michigan.

Circuits
Proposed one 4800 volt 60 cycle 3 wire 3 phase distribution circuit.

Poles
Poles(B)(C)40'Idaho cedar 28"top circumference 38"butt circumference at ground line set 6'in clay soil.
Poles (A)(D)35'Idaho cedar 28"top circumference 36"butt circumference at ground line set 6'in clay soil.

Guys and Guy Attachments
One 3/8"Guy from Pole(B)32'above ground to anchor(E)35'from butt of Pole(B).
One 3/8"Guy from Pole(C)32'above ground to anchor(F)35'from butt of Pole(C).
All guy wire double galvanized stranded steel with a minimum ultimate strength of 55000 lbs per square inch.

Cross Arms
Proposed one 3½x4½x96"douglas fir double cross arm per crossing pole.

Conductors
Proposed 3#2 A.C.S.R. wires.

Blanket Permit

RECORDED RIGHT OF WAY NO. 34636 Y0233

Guys

On 5/16"& 3/8" gu[illegible] - One 1-5/8"x6" three bolt galvanized steel clamp at each end.

On $\frac{1}{2}$" Guy - One $\frac{1}{2}$" galvanized Crosby clip at each end.

Guy Insulators

For distribution circuits-One O.B.#26500 (or equivalent) in 5/16" and 3/8" guys. One O.B.#25009 (or equivalent) in $\frac{1}{2}$" steel and 5/16" Copperweld Guys.

For 24,000 volt transmission circuits-Use two insulators per guy instead of one as above.

Guy Anchors

On 5/16"& 3/8" guys-One 8" cone anchor set 5-$\frac{1}{2}$" deep.

On $\frac{1}{2}$" Guys-one four blade 8" expanding anchor set 7$\frac{1}{2}$" deep.

Anchor Rods

on cone anchors-1-5/8"x6' round galvanized steel rod.

on expanding anchors-1-3/4"x8' round galvanized steel rod.

Crossarm Attachments

Center bolts-5/8" galvanized steel.
Spacer bolts-5/8" galvanized steel.
Spacers -4"x4" treated pine blocks.
Braces -(for 24,000 volt circuits) 1"x2-$\frac{1}{2}$"x30" treated-yellow pine.
Braces -$\frac{1}{4}$"x1-$\frac{1}{4}$"x28" galvanized steel for all other circuits.
Brace bolts -3/8" galvanized steel bolts at arm end.
Brace bolts -1/2"x5" galvanized steel lag screws at pole end.

Pins

On 3-$\frac{1}{4}$"x4-$\frac{1}{4}$" arms-1-$\frac{1}{2}$"x9"x1" Locust pins.
On 3-$\frac{3}{4}$"x4-$\frac{3}{4}$" arms-1-$\frac{3}{4}$"x10"x1" Locust pins except for 24,000 volt circuits
On 24,000 volt crossarm - 1$\frac{3}{4}$"x13$\frac{1}{2}$"x1-3/8" Locust pins.
On 24,000 volt pole top-3$\frac{3}{4}$"x3$\frac{3}{4}$"x17" Locust pins.

Insulators

24,000 volt circuits- One O.B.#11623 (or equivalent) porcelain, pintype, insulator and six Thomas #1162 (or equivalent) disk type insulators.

Ground wire on pole side bracket- One O.B.#12847 (or equivalent) porcelain, pin type insulator and two Thomas #1162 (or equivalent) porcelain, disk type insulators.

Ground wire on pole top pin - One O.B. #10636 (or equivalent) porcelain, pin type insulator and two Thomas #1162 (or equivalent) porcelain, disk type insulators.

Primary distribution, Series Street Lighting and Private telephone circuits, two O.B.#12847, (or equivalent) porcelain, pin type insulators.

Secondary distribution circuits-Two Hemingray #20 (or equivalent) glass pin type insulators.

Note:

For strain type construction (where shown)-On primary and series circuits two O.B.#11940 (or equivalent) porcelain, strain type insulators and one O.B.#12847 (or equivalent) porcelain pin type insulator.

On secondary circuits two O.B.#25009 (or equivalent) porcelain strain type insulators and one Hemingray #20 (or equivalent) glass pin type insulator.

Ties

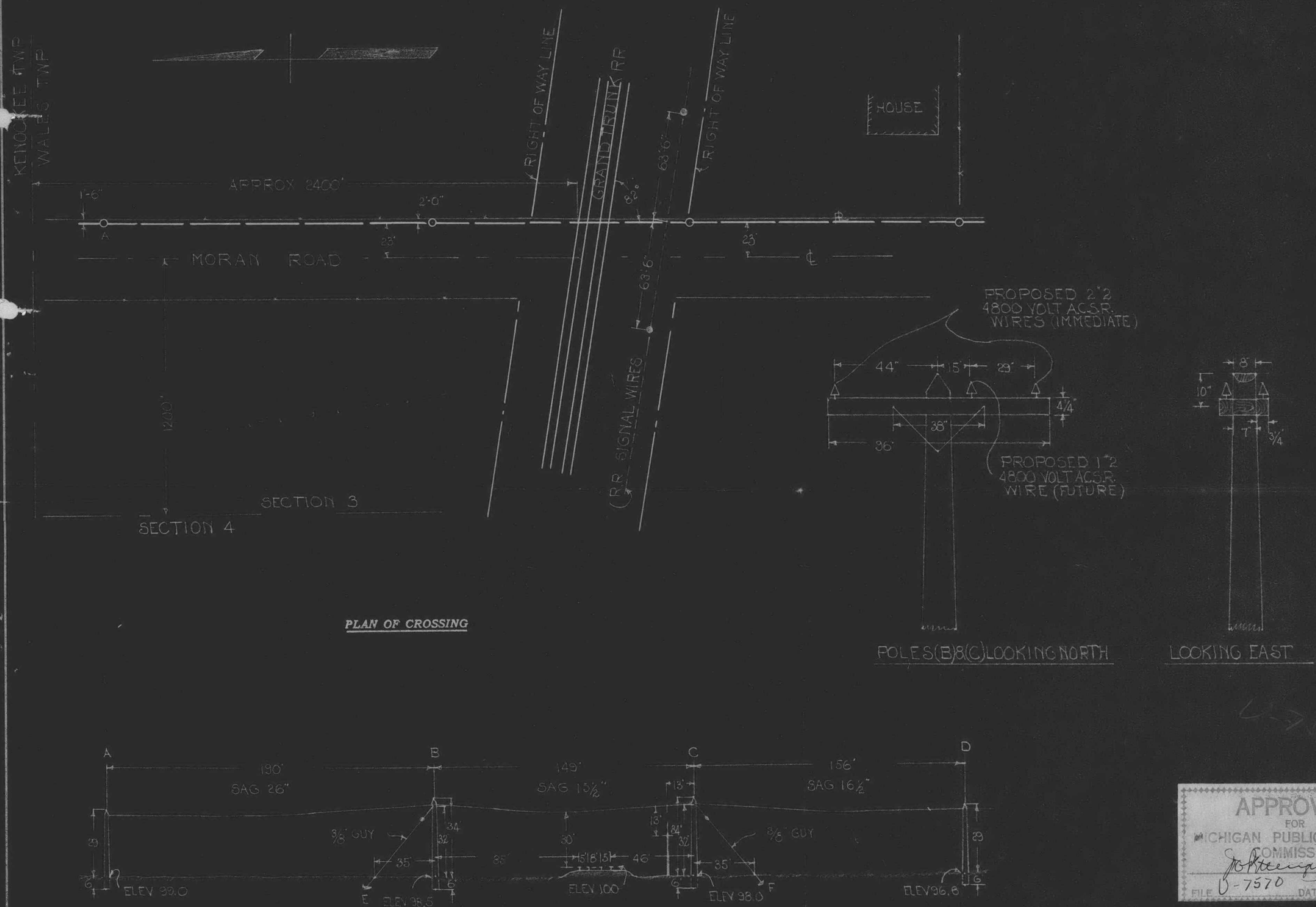
Standard top groove tie-On 24,000 volt, 4800 volt, series street lighting and private telephone circuits.

Standard side groove tie-On all circuits below 240 volts.

Tie wire-#8 soft, bare, copper, for 24,000 volt conductors.

#4 or #6 soft, solid, weatherproof, copper, for all circs. using weatherproof conductors.

#6 bare aluminum tie wire for #2 A.C.S.R. conductors. (D.S.Type 1).



APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
[signature]
CHIEF ENGINEER
FILE U-7570 DATE JAN 19 1931

PURPOSE OF LINE
EXTENSION OF RURAL DISTRIBUTION

CITY
COUNTY ST CLAIR
TOWNSHIP WALES
SURVEY NO. OF TWP. 6 NORTH
RANGE NO. 15 EAST
SECTION NO. N.W.1/4 SEC 3

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH. PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER GRAND TRUNK
DRAWN BY E.E.H. DATE 1-13-31
CHECKED BY [initials] DATE 1-13-31

STEWART - MT CLEMENS

DRAFTING & SURVEYING BUREAU RX # 1230

RECORDED RIGHT OF WAY NO. 34636
P233