



STATE OF MICHIGAN

Office of the Michigan Public Service Commission, } ss.

I, S. A. LUND, Secretary of the Michigan Public Service Commission

Do Hereby Certify, That I have compared the annexed copy of ED2-8-1164

with the original ED2-8-1164

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 27th day of September in the year of our Lord one thousand nine hundred forty.

Handwritten signature of S. A. Lund

Secretary Michigan Public Service Commission

RECORDED RIGHT OF WAY NO.

34636

P208

5023

5023

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC ~~UTILITIES~~ COMMISSION
SERVICE

Standard Railroad Wire-Crossing Permit No. ED2-8-1164
Existing Permit U-4819

In Re Application of **Detroit Edison Company, Detroit, Michigan.**

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**
Service

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:

City of Royal Oak,
County of Oakland,
Michigan:-

In Center and Fifth Streets, 420 feet southeast
of Depot, with:

One 10-Pr. Lead Covered Telephone Cable.

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 Mich-
igan, this **27th** day of **September**
A. D. 19 **40**

MICHIGAN PUBLIC ~~UTILITIES~~ COMMISSION
By **SERVICE**

JOHN J. O'HARA

Chairman,

IVAN E. HULL

Commissioner,

FLORENCE M. KIELY

Commissioner,

DON McINTYRE

Commissioner,

S. A. LUND

Secretary

GILBERT T. SHILSON

Commissioner.

RECORDED RIGHT OF WAY NO. 34636
paos

RECORDING RIGHT OF RAY NO.

1950-1951
1952-1953
1954-1955
1956-1957
1958-1959

THE
LAW OFFICES OF
WILLIAM H. HARRIS
ATTORNEYS AT LAW
1000 BROADWAY
NEW YORK 10004

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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-4819

with the original permit

recorded in file No. U-4819

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 3d

day of August in the year of our Lord

one thousand nine hundred twenty-eight

J. Carl Sheil
Secretary, Michigan Public Utilities Commission.

MEW

6597

RECORDED RIGHT OF WAY NO. 34636
paos

2659

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-4819

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:

**City of Royal Oak,
Oakland County,
Michigan:-**

At Center and Fifth Streets, with:

2 - #8 copper telephone wires.

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 3d day of August A. D. 19 28.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

SIDNEY E. DOYLE

Chairman,

JAMES BICE

Commissioner,

BYRON P. HICKS

Commissioner,

ROBERT H. DUNN

Commissioner,

J. Carl Shell

Secretary

SAMUEL ODELL

Commissioner.

RECORDED RIGHT OF WAY NO. 34636
paed

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APR
1944

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

OFFICE OF THE ATTORNEY GENERAL
WASHINGTON, D. C.

RECEIVED BY THE ATTORNEY GENERAL

RECEIVED BY THE ATTORNEY GENERAL

APR 19 1944

DATA SHEET TO ACCOMPANY
DRAWING #RX-819

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the G.T.R. at the Intersection of Center and Fifth Streets,
420' South east of the Royal Oak Depot, N.E. $\frac{1}{4}$ of Section 21,
Town 1 North, Range 11 East, City of Royal Oak, Royal Oak Twp.,
Oakland County, Michigan.

Circuits

Existing four 4,800 volt, 60 cycle, 3 wire, 3 phase, distribution
circuit.
Existing one 70 volt, (ringing voltage), 13 cycle, 2 wire, series
telephone circuit.
Proposed one 70 volt, (ringing voltage), 13 Cycle, 2 wire, series
telephone circuit.

Poles

Poles (A)&(C) 50' Idaho Cedar, 28" top circumference, 43" butt
circumference at ground line set 7' in clay soil.
Poles (B)&(F) 50' Idaho Cedar, 28" top circumference, 44" butt
circumference at ground line set 7' in clay soil.
Pole (D) 50' Idaho Cedar, 28" top circumference, 54" butt circumference
at ground line set 7' in clay soil.
Pole (E) 40' Idaho Cedar, 28" top circumference, 43" butt
circumference at ground line set 6' in clay soil.

Guys and Guy Attachments

One 1/2" Guy from pole (A) 40' above ground to pole (F) 10' above ground.
One 1/2" Guy from pole (A) 40' above ground to pole (B) 8' above ground.
One 1/2" Guy from pole (B) 36' above ground to pole (A) 13' above ground.
One 1/2" Guy from pole (C) 40' above ground to pole (D) 12' above ground.
One 1/2" Guy from pole (D) 40' above ground to pole (C) 10' above ground.
One 1/2" Guy from pole (C) 36' above ground to anchor (G) 30' from butt
of pole (C).

All guy wire double galvanized stranded steel with a minimum ultimate
strength of 55,000 pounds per square inch.

Cross Arms

Existing four 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir double cross arms per
crossing pole.
Existing one 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir double cross arm per crossing
pole.
Existing one 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir double buck arm on pole (B).

Conductors

Existing 9 #0 Medium hard drawn, stranded, T.B.W.P. copper wires.
Existing 3 #6 Medium hard drawn, solid, T.B.W.P. copper wires.
Existing 2 #8 Medium hard drawn, solid, bare copper telephone wires.
Proposed 2 #8 Medium hard drawn, solid, bare copper telephone wires.

DATA SHEET TO ACCOMPANY
RAILROAD CROSSING DRAWINGS

Guy Clamps

One 1 5/8" x 6" three belts 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 Anchors

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.

Gross 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 1/2" 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 1/2" x 1 3/8" locust pins for 24,000 volt circuits.
1 1/2" x 10-1/8" x 1" locust pins for all other circuits.

Insulators

One O.B. #11023 pin type and four Locke #8049 disc type insulators per wire, per crossing pole on 24,000 volt circuits.
(One O.B. #11023 and two Locke #8049 for dead ends).
Two O.B. #12047 porcelain pin type insulators per wire, 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. #12047 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 wide 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 *D. Burns*

RECORDED RIGHT OF WAY NO.

34636
page 8

THE DETROIT EDISON COMPANY. RX 319A
 PROPOSED LINE CROSSING OVER THE GRAND TRUNK R.R. EX. NG PERMIT NUMBER U-4819
 IN CENTER AND FIFTH ST. 920 S.E. OF DEPOT CITY OF ROYAL OAK
 SECTION 21 NE 14 TOWNSHIP ROYAL OAK T. IN R 11E COUNTY OAKLAND

NOTES

MATERIALS SHALL BE AS NOTED IN THE DETROIT EDISON COMPANY'S STANDARD SPECIFICATIONS FOR OVERHEAD LINE CONSTRUCTION AT RAILROAD CROSSINGS DATED MARCH 23, 1939.

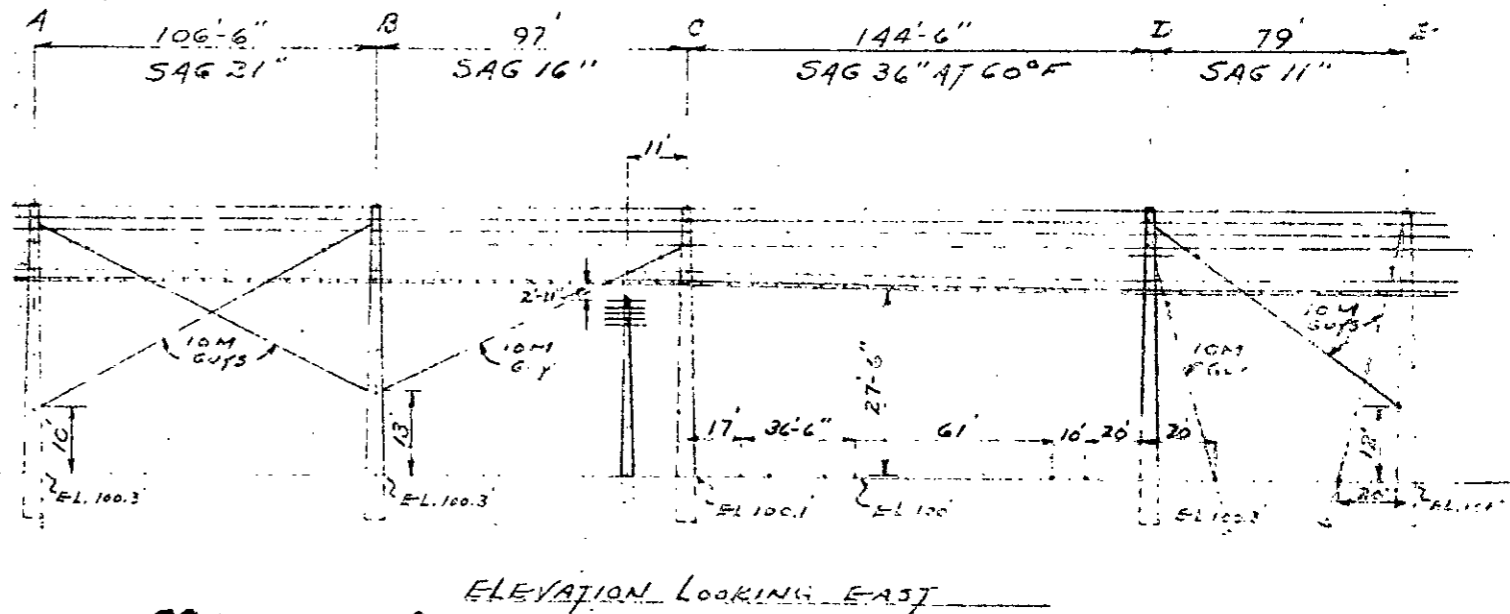
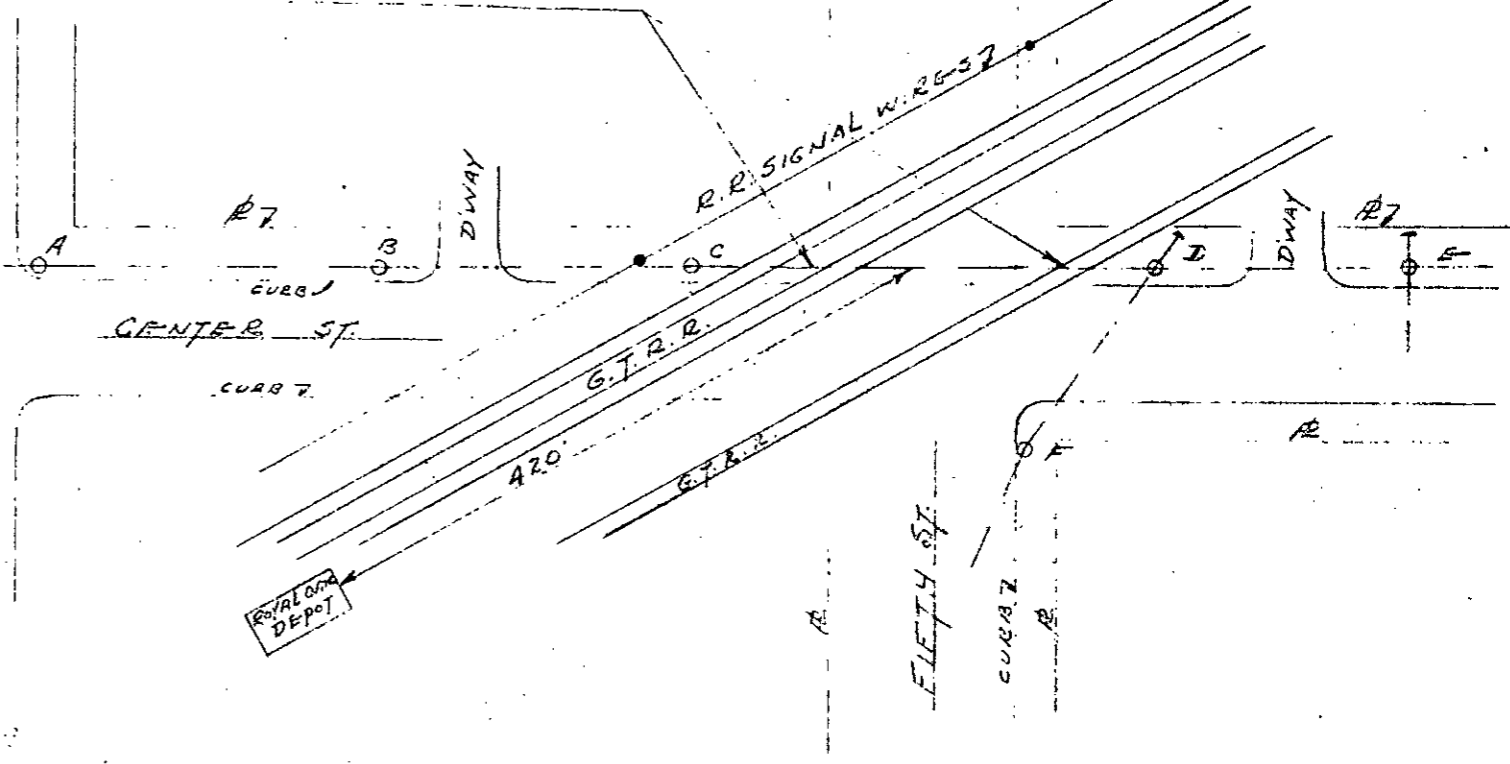
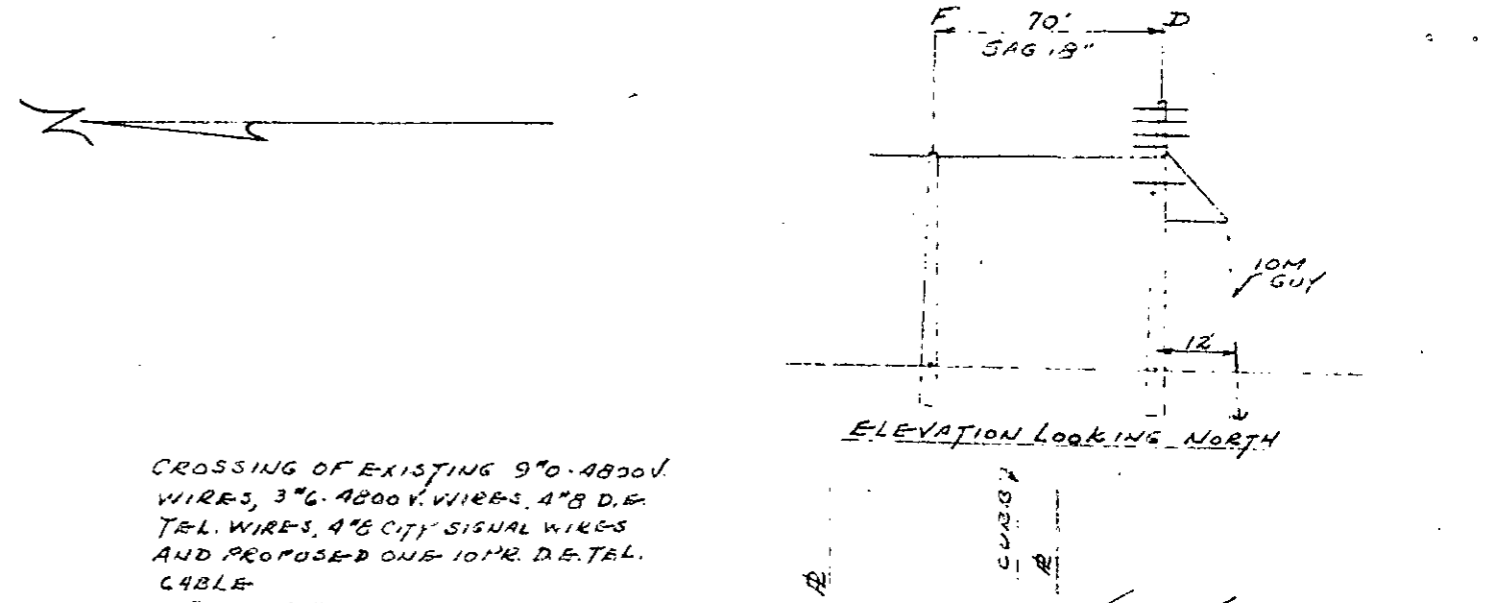
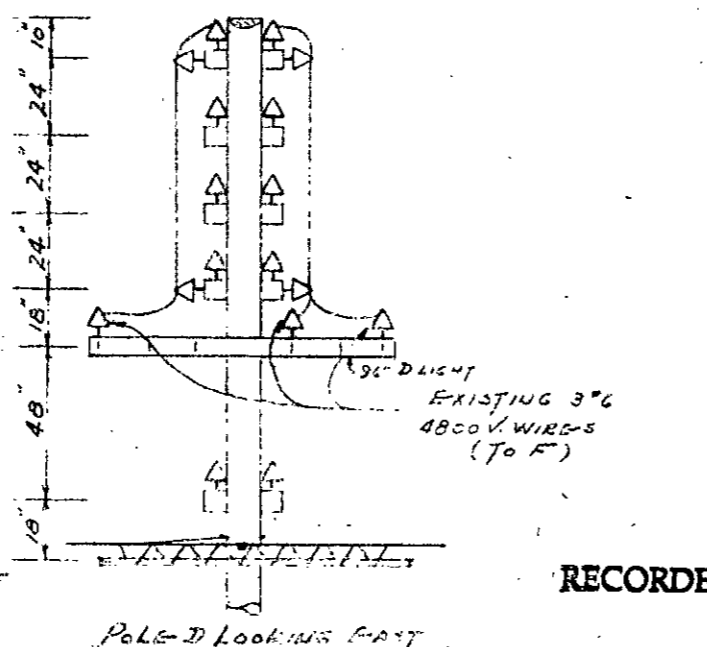
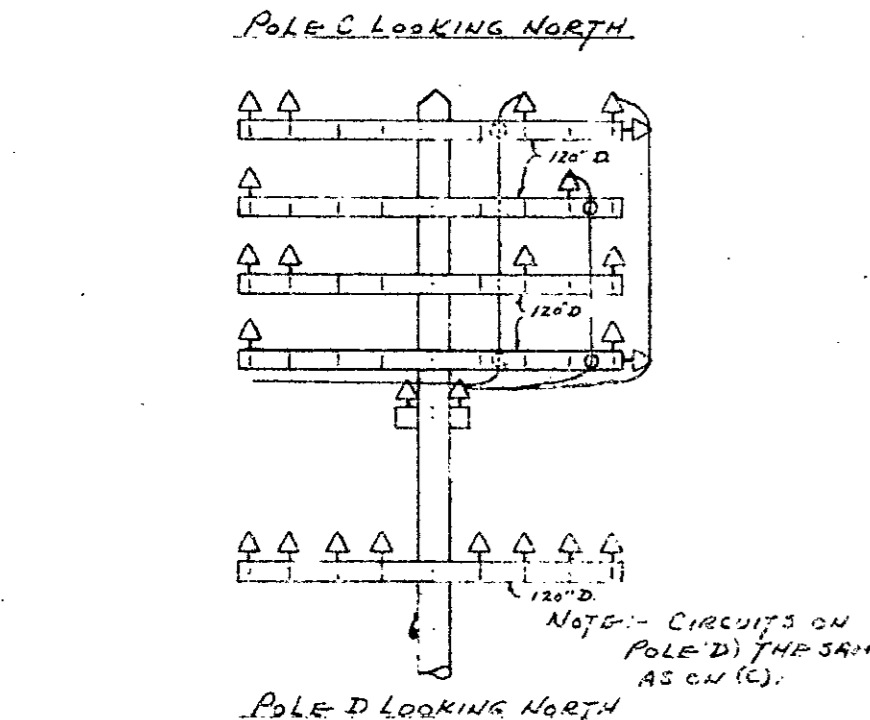
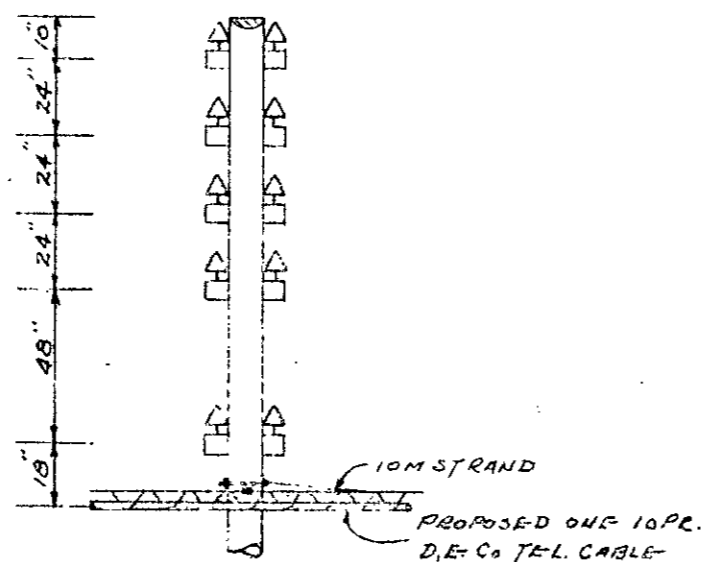
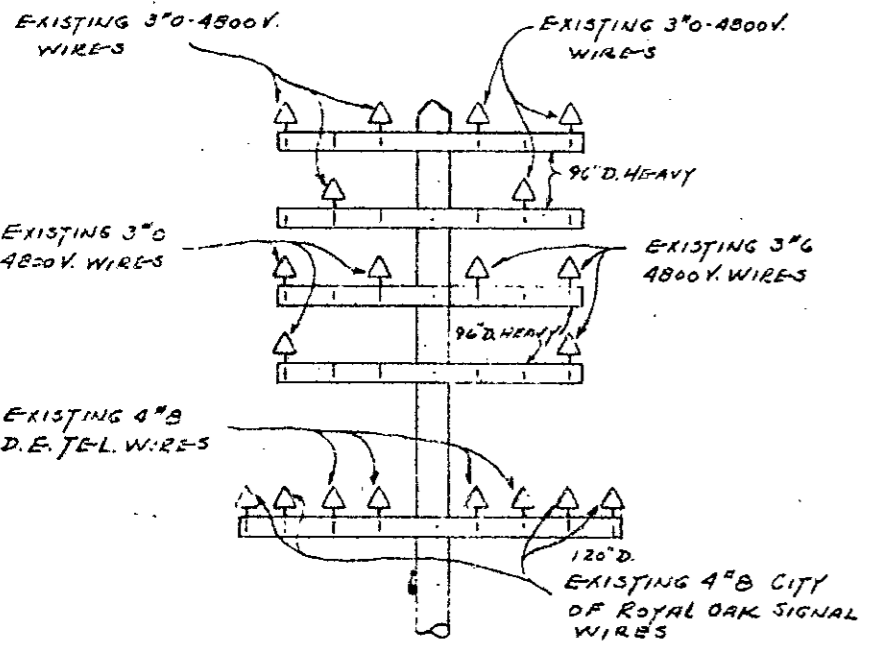
ACTUAL FIELD DIMENSIONS MAY VARY SOMEWHAT FROM THOSE SHOWN BUT THE REQUIREMENTS OF ORDER NO. 1679 WILL BE COMPLIED WITH.

MINIMUM CLEARANCES

NEAREST POLE TO RAIL	SIDING	7 FT.
	MAIN LINE	12 FT.
WIRES OVER TRACKS	0 - 500 VOLTS	27 FT.
	500 - 7500 VOLTS	28 FT.
	24000 VOLTS	30 FT.
WIRES OVER R. R. SIGNAL	0 - 500 VOLTS	2 FT.
	500 - 7500 VOLTS	4 FT.
	24000 VOLTS	6 FT.

CONDUCTORS				POLES			
NUMBER	SIZE	KIND	VOLTAGE	LOCATION	LENGTH	CLASS	TYPE
9	#0	TWP	4800	A-B-D	50'	3	W. CEDAR
3	#6	"	"	C	50'	2	" "
4	#8	"	D.E. TEL.	E	50'	1	" "
4	#8	BARE	CITY SIGNAL	F	40'	4	" "
1	10PR.	CABLE	D.E. TEL.				

DRAWN BY J. WHITE ENGINEERING DIVISION DATE 9-19-40
 ESTIMATOR HUNTER OVERHEAD LINES DEPT. BIRMINGHAM



RECORDED R/W FILE NO. 34636 p 208

Blanket waiver

APPROVED
FOR
MICHIGAN PUBLIC SERVICE
COMMISSION
Ray K. Hillard
CHIEF ENGINEER
ED2-8-1164 DATE SEP 27 1940
FILE

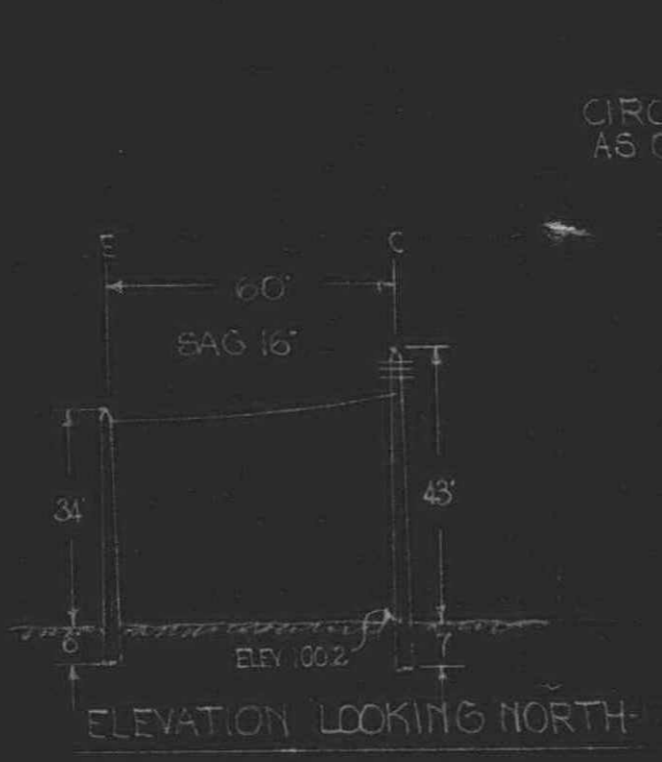
RECORDED RIGHT OF WAY NO.

34636
P208

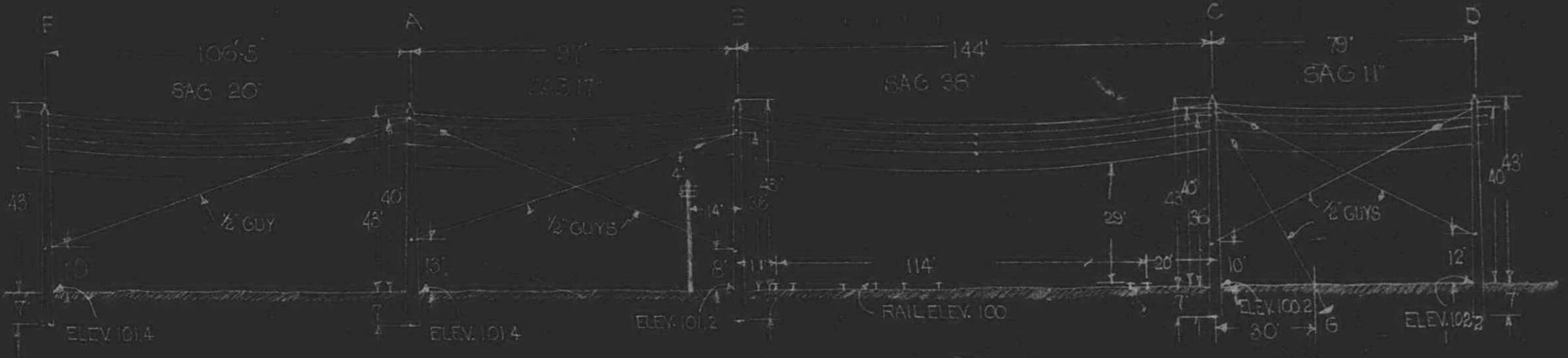
34636 p208



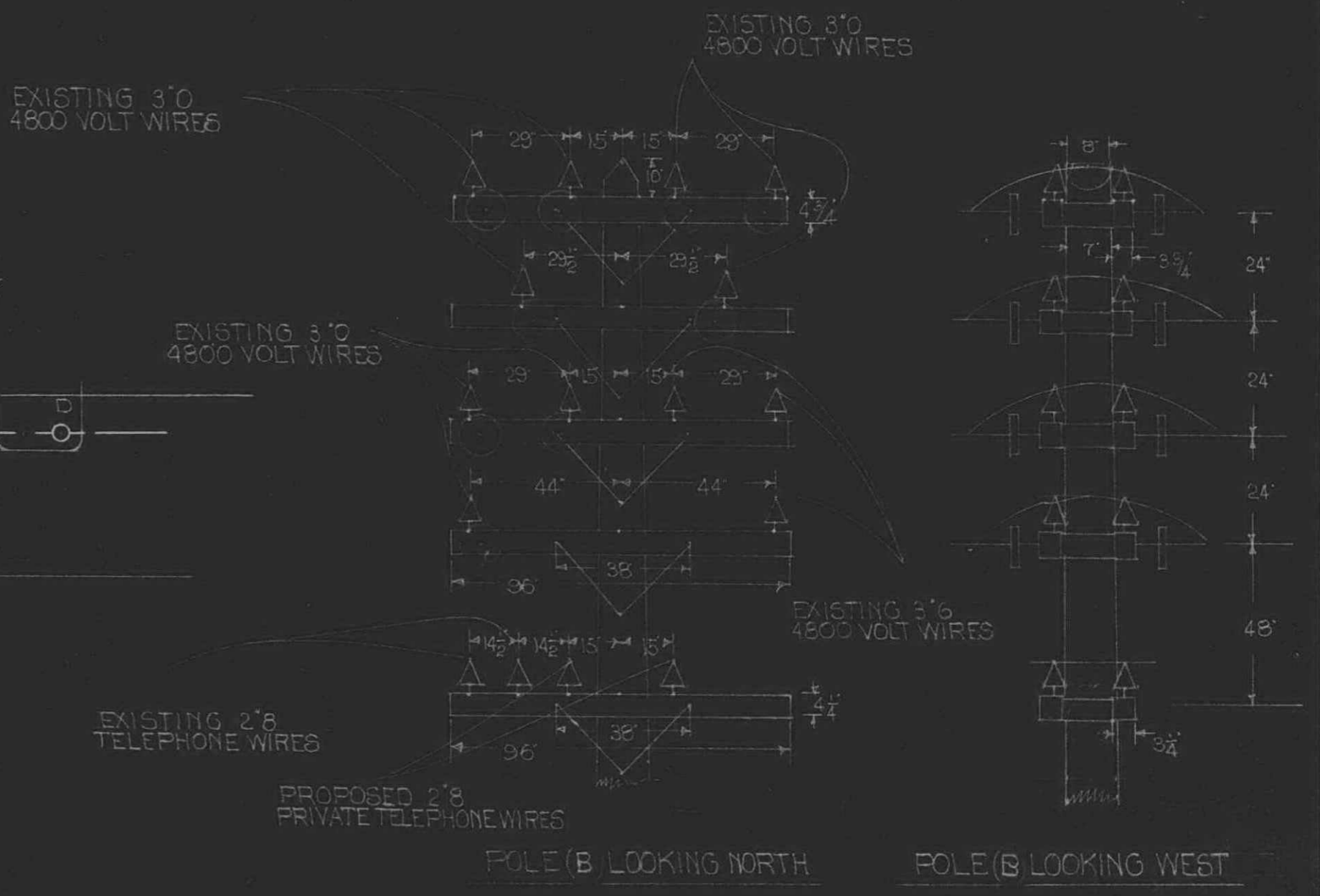
PLAN OF CROSSING



ELEVATION LOOKING NORTH

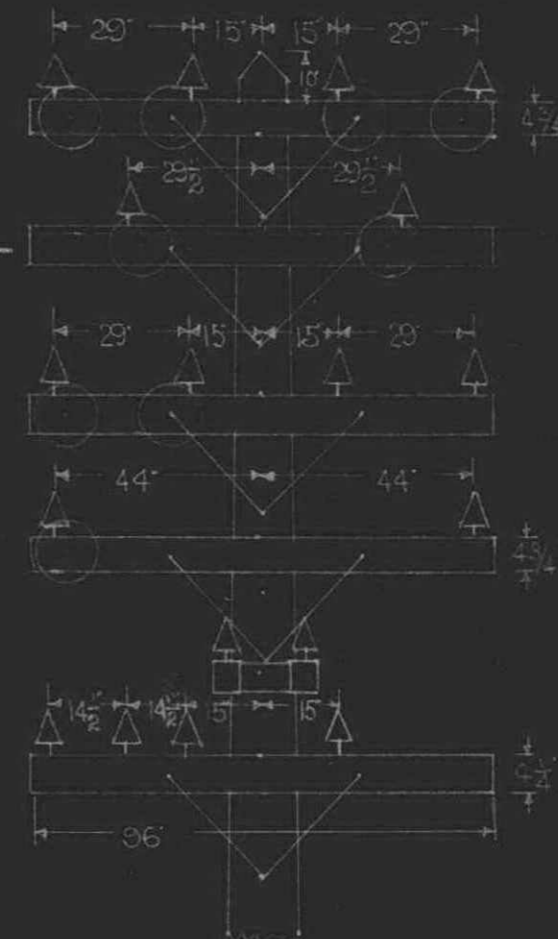


ELEVATION OF CROSSING LOOKING EAST

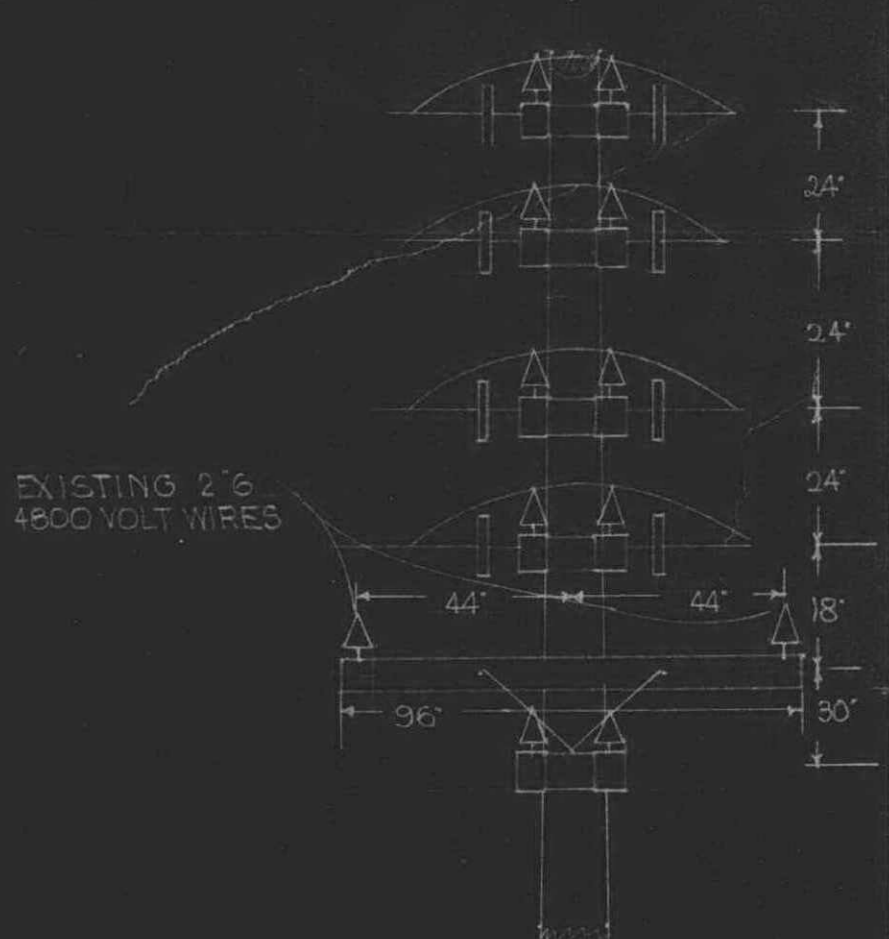


POLE (B) LOOKING NORTH

POLE (B) LOOKING WEST



POLE (C) LOOKING NORTH



POLE (C) LOOKING WEST

CIRCUITS SAME AS ON POLE (C)

PURPOSE OF LINE
ADDITION OF ONE PRIVATE
TELEPHONE CIRCUIT FOR
OPERATING SUPPLY LINES

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
FILE D-4819 CHIEF ENGINEER
DATE AUG 3 - 1928

VILLAGE ROYAL OAK
CITY ROYAL OAK
COUNTY OAKLAND
TOWNSHIP ROYAL OAK
SURVEY NO. OF TWP. 1 NORTH
RANGE NO. 11 EAST
SECTION NO. N.E. 1/4 SEC 21

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH.
PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER GTR
DRAWN BY EEH DATE 7-27-28
CHECKED BY GV DATE 7-30-28

V-487

RECEIVED
MICHIGAN PUBLIC UTILITIES
COMMISSION
AUG 3 1928
ANS'D

Blanket waiver

RECORDED RIGHT OF

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