

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE

DETROIT, MICHIGAN 48226

June 11, 1969



Permit No. ED2-8-6101 (8-17-67) #1
ED2-8-6100 (8-17-67) #2

Michigan Public Service Commission
Lansing 13, Michigan

Gentlemen:

I, Martin F. Wider, Superintendent, Transmission Division
of The Detroit Edison Company, Detroit, Michigan, hereby certify that the
wire crossing covered by Wire Crossing Permit No. See above,
issued 7-21-67, has been constructed in accordance with
specifications of the Michigan Public Service Commission and construction
standards of The Detroit Edison Company, approved by Michigan Public Service
Commission on July 19, 1939, file ED 2-9.01, and that this crossing will be
maintained as provided in such specifications and construction standards.

Yours very truly,

Martin F. Wider

RX No. 2745A
Location Superior, Section 32
Washtenaw, County, Michigan
Railroad New York Central
W. of Superior Rd. and N of Huron
River Dr., NW of M.P. D314.
Railroad File No. M-DE-666.

Subscribed and sworn to before me this
11th day of June, 1969.

Ivan W. Gamble
Ivan W. Gamble
Notary Public, Wayne
County, Michigan.
My Commission expires February 11, 1973

IWG/snc
HB

RECORDED RIGHT OF WAY NO. 13623

INTERDEPARTMENT CORRESPONDENCE

August 21, 1967

NOTICE OF PERMIT RECEIVED

TO: Mr. Martin F. Wilder, A-420 Warren Service Center
Overhead Lines Department

Michigan Public Service Commission Permit KD2-8-6101 (8-17-67) Crossing #1
KD2-8-6100 (8-17-67) Crossing #2

For crossing of steel tower ~~transmission~~ transmission line over tracks of _____
New York Central System

Location: Crossing No. 1 and Crossing No. 2 - At a point West of
Superior Road and North of Huron River Drive.

City/Village _____

Township Superior, Section 32.

County Washtenaw Crossing Plan No. RI-2745A

I. W. Gamble

I. W. Gamble/nk

Properties and Rights of Way Dept.

CC - RAILROAD CROSSING ENGINEER,
GENERAL ENGINEERING
TRANSMISSION ENGINEER,
GENERAL ENGINEERING

RECORDED RIGHT OF WAY NO. 13623

INTERDEPARTMENT CORRESPONDENCE

August 18, 1967

TO RECORDS CENTER:

Attached is fully executed copy of ^{supplemental} ~~agreement/permit~~ from:

New York Central System

Facilities Covered: One 120,000 volt transmission circuit with one ground wire.

Specific Location: Crossings No. 1 and No. 2 - West of Superior Road and north of Huron River Drive.

R. R. Valuation Station No. 1 1658+12± Mile Post No. 1 approx. 90 ft. N.W. of M.P. D31½
No. 2 1658+92± Mile Post No. 2 approx. 150 ft. N.W. of M.P. D31½

City/Village _____ Township Superior, Section 32

County Washtenaw Detroit Edison Plan No. RX-2745A

Supplemental Agreement/~~Permit~~ Date July 26, 1967 R. R. Plan No. M-DE-666

Preparation Fee \$100.00 Annual Rental Increased to \$200.00 effective July 1, 1967.

Supersedes and Cancels Agreement dated _____ R/W No. _____

This is a Supplemental Agreement and is to be made a part of R/W 13623

Attached Grand Trunk Western Railroad Permit No. _____ to be made a part of R/W No. 9064.

REFERRED TO
SEP 6 1967
SEP 26 1967
DE FORM PD 189 2 64 CS

RECORDS CENTER
REMOVED SEP 5 1967
GEN'L ACCTS DEPT.
ENTERED - *[Signature]*
CONTRACT BOOK NO. 13623
DATE 9-13-67
BY *[Signature]*
CHECKED BY *[Signature]*

[Signature]
W. Gamble, Supervisor of Rights of Way
Properties and Rights of Way Department

RECORDED RIGHT OF WAY NO. 13623

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE

DETROIT, MICHIGAN 48226

August 15, 1967

Michigan Public Service Commission
Lansing 13, Michigan

Gentlemen:

The Detroit Edison Company, Detroit, Michigan, hereby makes application for authority to string the following wires over the tracks of the **New York Central Railroad located in Section 32, Superior Township, Washtenaw County, Michigan.**

Crossing #2

One 120,000 volt transmission circuit with one ground wire.
Located at a point West of Superior Road and North of Huron River Drive,
approximately 150 feet Northwest of Mile Post D31½.

The proposed wire crossing will be constructed in accordance with specifications of the Michigan Public Service Commission and the construction standards of The Detroit Edison Company, approved by the Michigan Public Service Commission on July 19, 1939, File ED 2-9.01.

- Enclosed is a waiver of hearing granted by the Railroad Company. (6-26-67)
- Waiver of hearing by the Railroad Company is covered by blanket waiver.
- This application covers reconstruction of existing crossing and will cancel and supersede wire crossing permit No. _____ dated _____
- This is a new crossing.

Reference number of construction drawing is RX- 2745A

Railroad File No. M-DE-666

Yours very truly,

I. W. Gamble

I. W. Gamble
Supervisor of Rights of Way
Properties and Rights of Way Dept.

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE

DETROIT, MICHIGAN 48226

August 15, 1967

Michigan Public Service Commission
Lansing 13, Michigan

Gentlemen:

The Detroit Edison Company, Detroit, Michigan, hereby makes application for authority to string the following wires over the tracks of the **New York Central Railroad** located in **Section 32, Superior Township, Washtenaw County, Michigan.**

Crossing #1

One 120,000 volt transmission circuit with one ground wire. Located at a point West of Superior Road and North of Huron River Drive, approximately 90 feet Northwest of Mile Post D31½.

The proposed wire crossing will be constructed in accordance with specifications of the Michigan Public Service Commission and the construction standards of The Detroit Edison Company, approved by the Michigan Public Service Commission on July 19, 1939, File ED 2-9.01.

- Enclosed is a waiver of hearing granted by the Railroad Company. (6-26-67)
- Waiver of hearing by the Railroad Company is covered by blanket waiver.
- This application covers reconstruction of existing crossing and will cancel and supersede wire crossing permit No. **ED2-8-2716** dated **2-15-51**
- This is a new crossing.

Reference number of construction drawing is RX- 2745A

Railroad File No. M-DE-666

Yours very truly,

I. W. Gamble

I. W. Gamble
Supervisor of Rights of Way
Properties and Rights of Way Dept.

August 15, 1967

Mr. C. E. Defendorf, Chief Engineer
New York Central System
Room 912, 1466 Lexington Avenue
New York, New York 10017

Dear Mr. Defendorf:

We are returning Supplemental Agreements covering reconstruction of our facilities over your tracks as shown on our Plans RI-2745A in Superior Township (Your File M-DE-666), RI-2721A in the City of Trenton (Your File M-DE-664), and RI-2239B in the City of Vassar (Your File M-DE-661).

In each of these Supplemental Agreements you have included your waiver of hearing clause which waiver is required to obtain the necessary Michigan Public Service Commission Permit for this reconstruction. This necessitates making a copy of your complete Supplemental Agreement to attach to our application to the Michigan Public Service Commission which often presents a problem inasmuch as the Michigan Public Service Commission has requested an original signed waiver of hearing in most cases.

We would like to suggest that your waiver of hearing be granted to us in a separate letter. This would eliminate sending a copy of our legal agreement with you to the Michigan Public Service Commission. We would appreciate your handling our future requests in this way.

Very truly yours,



I. W. Gamble
Supervisor of Rights of Way
Properties and Rights of Way Department

HB/nk
Enclosures

RECORDED RIGHT OF WAY NO.

13623

July 28, 1967

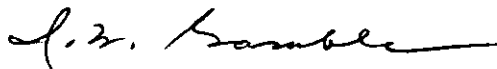
Mr. C. E. Defendorf, Chief Engineer
New York Central System
Room 912, 466 Lexington Avenue
New York, New York 10017

Dear Mr. Defendorf:

Please refer to our applications dated May 5, 1967, requesting permission for our facilities over your tracks (Crossing No. 1 and Crossing No. 2) located in the vicinity of Superior Road and Huron River Drive in Section 32, Superior Township, Washtenaw County, Michigan, as shown on our Plan-2745A.

We would appreciate your reviewing these applications and sending us your waivers of hearing in duplicate for Crossing No. 1 and Crossing No. 2 as requested so that we may obtain a permit from the Michigan Public Service Commission.

Yours very truly,



I. W. Gamble
Supervisor of Rights of Way
Properties and Rights of Way Dept.

JVS/nk

RECORDED RIGHT OF WAY NO. 13623

NEW YORK CENTRAL SYSTEM

C. E. DEFENDORF
CHIEF ENGINEER

466 LEXINGTON AVENUE
NEW YORK, N. Y. 10017

JULY 26, 1967

FILE: M-DE-666

THE DETROIT EDISON COMPANY
2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

ATTENTION: MR. I. W. GAMBLE, SUPERVISOR OF RIGHT OF WAY
PROPERTIES AND RIGHTS OF WAY DEPARTMENT

GENTLEMEN:

REFERENCE IS MADE TO AN AGREEMENT DATED JANUARY 5, 1951, NYC REG. No. 95920-3 BETWEEN OUR RESPECTIVE COMPANIES COVERING A 120,000 VOLT POWER LINE CROSSING OVER OUR RIGHT OF WAY AND TRACKS APPROXIMATELY 189 FEET NORTHWEST OF MILE POST D-31½, LOCATED WEST OF YPSILANTI, MICHIGAN

IT IS OUR UNDERSTANDING THAT YOU NOW DESIRE TO INSTALL THREE (3) 954 MCM5/7 ACSR CONDUCTORS AND ONE (1) 3/8" BETHLEHEM "C" STEEL GROUND WIRE IN PLACE OF THE CONDUCTORS CALLED FOR IN THE AGREEMENT.

IT IS ALSO OUR UNDERSTANDING THAT YOU NOW DESIRE TO ADD A SECOND STAND CONSISTING OF THREE (3) 954MCM5/7 ACSR CONDUCTORS WITH ONE (1) GROUND WIRE CROSSING OUR FACILITIES AT A POINT APPROXIMATELY 80 FEET NORTH OF THE EXISTING CROSSING, AS INDICATED ON DRAWING NO. M-DE-666 DATED 7/19/67, WHICH IS HERETO ATTACHED AND HEREBY MADE A PART OF THIS SUPPLEMENTAL AGREEMENT.

FORMAL CONSENT OF THE RAILROAD COMPANY IS HEREBY GIVEN TO THE ABOVE MENTIONED REVISIONS AND ADDITIONS WITH THE UNDERSTANDING THAT ALL THE TERMS AND CONDITIONS OF THE AFOREMENTIONED AGREEMENT DATED JANUARY 5, 1951, WILL APPLY THERETO WITH FULL FORCE AND EFFECT, EXCEPT THAT THE ANNUAL RENTAL, EFFECTIVE JULY 1, 1967, SHALL BE INCREASED TO \$200.00 AND YOUR COMPANY SHALL, IN ADDITION TO THIS INCREASE IN RENTAL, PAY THE SUM OF \$100.00 FOR PREPARATION OF THIS SUPPLEMENTAL AGREEMENT UPON RENDITION OF BILL THEREFOR.

IT IS FURTHER UNDERSTOOD THAT YOU WILL NOTIFY MR. R. J. HARDENBERG, DISTRICT ENGINEER, DETROIT, MICHIGAN AT LEAST THREE (3) WORKING DAYS PRIOR TO START OF WORK.

RECORDED RIGHT OF WAY NO. 13623

NEW YORK CENTRAL SYSTEM

I. W. GAMBLE

als
AUG 14 1967

rus
PROP. & R/W DEPT.

C. E. DEFENDORF
CHIEF ENGINEER

466 LEXINGTON AVENUE
NEW YORK, N. Y. 10017

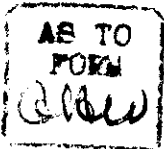
-2-

THE DETROIT EDISON COMPANY
ATTN: MR. I. W. GAMBLE

JULY 26, 1967
FILE: M-DE-666

THE NEW YORK CENTRAL RAILROAD COMPANY, LESSEE OF THE MICHIGAN CENTRAL RAILROAD, HEREBY WAIVES HEARING IN REGARD TO YOUR COMPANY MAKING THE ABOVE MENTIONED REVISION, INDICATED AS CROSSING No. 1, AND THE ABOVE MENTIONED NEW INSTALLATION, INDICATED AS CROSSING No. 2, PROVIDED THE WORK IS DONE IN A SAFE AND SATISFACTORY MANNER AND SUBJECT TO RULES AND REGULATIONS OF THE MICHIGAN PUBLIC SERVICE COMMISSION.

TO CONFIRM YOUR ACCEPTANCE OF THESE CONDITIONS PLEASE HAVE THE ORIGINAL OF THIS LETTER SIGNED BY AN OFFICIAL OF YOUR COMPANY AFTER WHICH RETURN SAME TO THIS OFFICE. YOU MAY RETAIN THE DUPLICATE.



YOURS VERY TRULY,
THE NEW YORK CENTRAL RAILROAD COMPANY
LESSEE OF THE MICHIGAN CENTRAL RAILROAD
BY: *C. E. Defendorf*
CHIEF ENGINEER

THE DETROIT EDISON COMPANY
BY: *A. L. Kasameyer*
ITS A. L. Kasameyer, Director
Properties and Rights of Way Dept.

RECORDED RIGHT OF WAY NO. 13623

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

TO:

May 5, 1967

Mr. C. E. Defendorf, Chief Engineer
New York Central System
Room 912, 466 Lexington Avenue
New York, New York 10017

Proposed Overhead Wire Crossing:

One 120,000 volt transmission circuit with one ground wire. Crossing #1

Specific Location **At a point West of Superior Road and North of Huron River Drive.**

R. R. Valuation Station _____ R. R. Mile Post approx. 90' NW of M.P. D31 1/2

City/Village _____ Township Superior, Section 32

County Washtenaw Detroit Edison Plan Attached EX-2745A

This is a New Crossing _____ This is a Reconstruction of Existing Crossing X

Previous Agreement Information (if any) Date 1-5-51 (R. R. Plan) MC 66-130

Blanket Waiver of Hearing Covers _____ Waiver of Hearing Requested In Duplicate
(Waiver of Hearing to be mailed to applicant listed below)

All construction will be done in accordance with the rules and regulations of the Michigan Public Service Commission.

I. W. Gamble, Supervisor of Rights of Way
Properties and Rights of Way Department

RECORDED RIGHT OF WAY INFO

13623

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

TO: **May 5, 1967**

**Mr. C. E. Defendorf, Chief Engineer
New York Central System
Room 912, 466 Lexington Avenue
New York, New York 10017**

Proposed Overhead Wire Crossing: **One 120,000 volt transmission circuit with one ground wire. Crossing #2**

Specific Location **At a point West of Superior Road and North of Huron River Drive.**

R. R. Valuation Station _____ R. R. Mile Post **approx. 150' NW of M.P. D31 1/2**
City/Village _____ Township **Superior, Section 32**
County **Washtenaw** Detroit Edison Plan Attached **EX-2745A**
This is a New Crossing This is a Reconstruction of Existing Crossing _____
Previous Agreement Information (if any) Date _____ (R. R. Plan) _____

In Duplicate

Blanket Waiver of Hearing Covers _____ Waiver of Hearing Requested _____
(Waiver of Hearing to be mailed to applicant listed below)

All construction will be done in accordance with the rules and regulations of the Michigan Public Service Commission.

I. W. Gamble
**I. W. Gamble, Supervisor of Rights of Way
Properties and Rights of Way Department**

JVS/jft

RECORDED RIGHT OF WAY NO. 13623

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC SERVICE COMMISSION

Standard Railroad Wire-Crossing Permit No. **MD2-9-6101**

In Re Application of **The Detroit Edison Company**
2000 Second Avenue
Detroit, Michigan 48226

Pursuant to Act No. 171 of the Session Laws of 1993, as amended, application having been made to Michigan Public Service Commission by said

The Detroit Edison Company

for permission to string wires across the tracks of the

New York Central System

and said

The 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

The Detroit Edison Company

be permitted to string the following described wires across the tracks of said railroad at the following described place:

Township of Superior
County of Washtenaw
State of Michigan

Crossing #1
Crossing of one (1) 120 kv, 60 cycle, 3 phase, 3 wire circuit with one (1) ground wire, known as Wayne-Superior 120 kv transmission circuit, located west of Superior Road and north of Huron River Drive, approx. 90' NW of M.P. D314, Section 32, T3S, R7E
3 - 954 MCM 45/7 ACER Phase Conductors
1 - 3/8" Bath "C" Steel Ground Wire

Per Dwy. EX-2745A

as indicated on the attached plans, when, as and if approved.

At the point of crossing said wires shall be installed 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 ~~seventeenth~~ day of **August** A.D. 19 **67**

MICHIGAN PUBLIC SERVICE COMMISSION

Peter B. Spivak
.....
Chairman,

Willis F. Ward
.....
Commissioner,

Countersigned

Knight D. McEason
.....
Secretary

William A. Boos, Jr.
.....
Commissioner.

RECORDED RIGHT OF WAY NO. 13623

STATE OF MICHIGAN SS.
Office of the Michigan Public Service Commission

I, Knight D. McKesson, Secretary of the Michigan Public Service Commission Do Hereby Certify,
That I have compared the annexed copy of Railroad Wire Crossing Permit
No. ED2-8-6101

with the original, 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 seventeenth
day of August in the year of our Lord
one thousand nine hundred sixty-seven

Knight D. McKesson

Secretary

RECORDED RIGHT OF WAY NO. 13623

DATA SHEET TO ACCOMPANY DRAWING RX-2745A

Revision of Crossing Rx-2745

Crossing No. 1: Covered Under Permit ED-2-8-2716 Dated: 2-15-51

Crossing No. 2: New Crossing

Note: Existing Crossing to be Reconductored & Reconstructed.

Name of Company

The Detroit Edison Company

Name and Location of Crossing

Crossing of the "Wayne - Superior" (crossing No. 1) and the "Superior - Willow Run - Newburgh" (crossing No. 2) over the New York Central Railroad at points west of Superior Rd. and north of Huron River Drive. Crossing No. 1 and Crossing #2 are approximately 90 ft. and 150 ft. respectively northwest of mile post D31½, in Section 32, Superior Township, Washtenaw County, Michigan.

Circuits

One 120,000 volt, 60 cycle, 3 wire, 3 phase transmission circuit with one ground wire, at each crossing.

Towers and Crossarms

See attached prints No. T-8414

Conductors

Three 954 MCM 45/7 ACSR conductors and one 3/8" x 7" BETH. "C" steel ground wire, at each crossing.

Insulators

5-3/4" x 10" Ohio Brass No's. 32440 and 47410 or equivalent nine in deadend.

Guy and Guy Attachments

None

Guy Clamps and Insulators

None

Guy Anchor and Anchor Rods

None

Suspension and Deadend Details

As per attached drawing No. RX-2745A.

General Engineering Dept.
MLF/cjb
4-26-67

RECORDED RIGHT OF WAY NO. 13623

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC SERVICE COMMISSION

Standard Railroad Wire-Crossing Permit No. **ED1-8-6100**

In Re Application of **The Detroit Edison Company**
2000 Second Avenue
Detroit, Michigan 48226

Pursuant to Act No. 171 of the Session Laws of 1893, as amended, application having been made to Michigan Public Service Commission by said

The Detroit Edison Company

for permission to string wires across the tracks of the
New York Central System

and said **The 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 **The Detroit Edison Company**

be permitted to string the following described wires across the tracks of said railroad at the following described place:

Township of Superior	Crossing #2
County of Washtenaw	Crossing of one (1) 120 kv, 60 cycle, 3 phase, 3 wire circuit with one (1) ground wire, known as Superior-Willow Run-Newburgh 120 transmission circuit, located west of Superior Road and north of Huron River Drive, approx. 150' NW of M.P. D314, Section 32, T38, R7E
State of Michigan	3 - 954 MCM 45/7 ACSR Phase Conductors 1 - 3/8" Beth "C" Steel Ground Wire

Per Dwg. KK-2745A

as indicated on the attached plans, when, as and if approved.

At the point of crossing said wires shall be installed 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 **seventeenth** day of **August** A.D.19 **67**

MICHIGAN PUBLIC SERVICE COMMISSION

Peter B. Spivak
.....
Chairman,

Willis F. Ward
.....
Commissioner,

William A. Boos, Jr.
.....
Commissioner.

Countersigned
Knight D. McKeason
.....
Secretary

RECORDED FILED OF MAY NO. 13423

STATE OF MICHIGAN SS.
Office of the Michigan Public Service Commission

I, Knight D. McKesson, Secretary of the Michigan Public Service Commission Do Hereby Certify,
That I have compared the annexed copy of **Railroad Wire Crossing Permit**
No. ED2-8-6100

with the original, 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 seventeenth
day of August in the year of our Lord
one thousand nine hundred sixty-seven

RECORDED RIGHT OF WAY NO. 13623


Secretary

DATA SHEET TO ACCOMPANY DRAWING RX-2745A

Revision of Crossing Rx-2745

Crossing No. 1: Covered Under Permit ED-2-8-2716 Dated: 2-15-51

Crossing No. 2: New Crossing

Note: Existing Crossing to be Reconductored & Reconstructed.

Name of Company

The Detroit Edison Company

Name and Location of Crossing

Crossing of the "Wayne - Superior" (crossing No. 1) and the "Superior - Willow Run - Newburgh" (crossing No. 2) over the New York Central Railroad at points west of Superior Rd. and north of Huron River Drive. Crossing No. 1 and Crossing #2 are approximately 90 ft. and 150 ft. respectively northwest of mile post D31 $\frac{1}{2}$, in Section 32, Superior Township, Washtenaw County, Michigan.

Circuits

One 120,000 volt, 60 cycle, 3 wire, 3 phase transmission circuit with one ground wire, at each crossing.

Towers and Crossarms

See attached prints No. T-8414

Conductors

Three 954 MCM 45/7 ACSR conductors and one 3/8" x 7" BETH. "C" steel ground wire, at each crossing.

Insulators

5-3/4" x 10" Ohio Brass No's. 32440 and 47410 or equivalent nine in deadend.

Guy and Guy Attachments

None

Guy Clamps and Insulators

None

Guy Anchor and Anchor Rods

None

Suspension and Deadend Details

As per attached drawing No. RX-2745A.

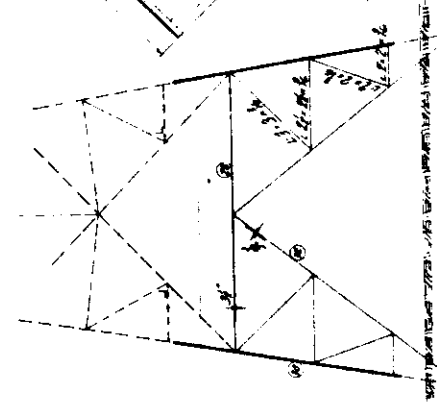
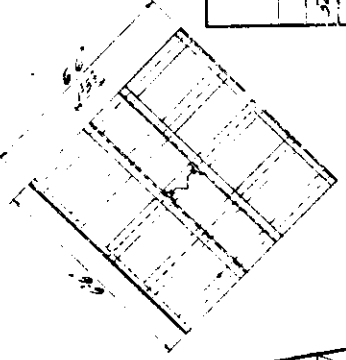
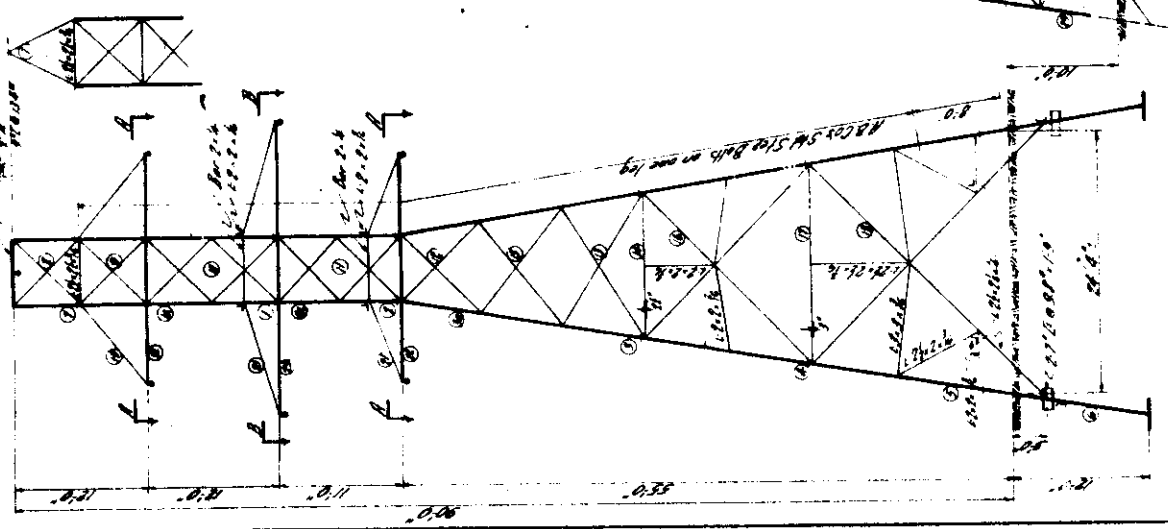
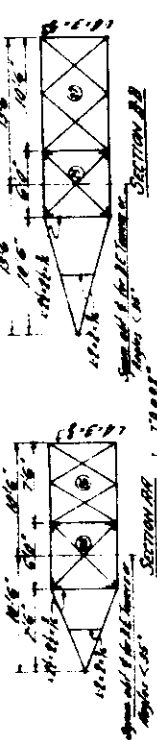
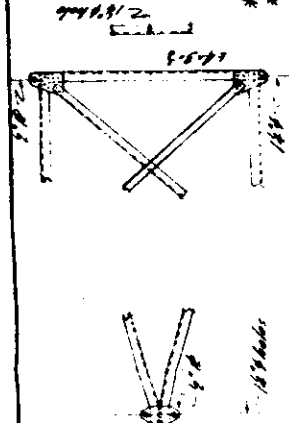
General Engineering Dept.
MLF/cjb
4-26-67

RECORDED COPY OF MAY NO. 13623

50' APRIL 25, 1928, E.T. 1928, R.L. 1928
 Tower is designed to support 15 x 35' tower
 600 wire and 8 100,000 (4) A.C.S.E. conductors
 on a normal span of 150' with 50' height
 line on the left; maximum cable length equal
 to a length span of the same length.
 The cables are to be so strung that the
 maximum tension under 50' in the
 central cables will not exceed 3500' in the
 groundwires and 2500' in the conductors.

- (1) Vertical
 1 Gal Wire @ 1097", 1090"
 6 Conductors @ 200", 2000"
 Total = 15,100"
- (2) Transverse: Head on wires
 1 Gal Wire @ 45", 450"
 6 Conductors @ 100", 1000"
 Total = 1,500"
- (3) Transverse: 30' High on wire
 1 Gal Wire @ 926", 921"
 6 Conductors @ 6055", 6200"
 Total = 7,126"
- (4) Longitudinal: 1 Gal Wire @ 960", 960"
 6 Conductors @ 10950", 10000"
 Total = 19,550"
- (5) Head on tower of 6.6" for 15' on 14'
 hence proper wire area at wire base
- (6) Detail lower of tower
- (7) Terminal head at each of 3 Gal supports
 on one set of tower at 1000' (1000' x 2000')
- (8) Hangers designed for double vertical load
 conductors
 Total = 17,059" (1000' x 2000') = 107" x 2
 Double Gal 100' (1000' x 2000')
- (9) Tower is designed 150' x 150' x 150' x 2000'
- (10) Note: For Unit Stresses, Material, Corrosion and
 Specifications see Drawing T-3414

Section	Members
1	10" x 10" x 1/2"
2	10" x 10" x 1/2"
3	10" x 10" x 1/2"
4	10" x 10" x 1/2"
5	10" x 10" x 1/2"
6	10" x 10" x 1/2"
7	10" x 10" x 1/2"
8	10" x 10" x 1/2"
9	10" x 10" x 1/2"
10	10" x 10" x 1/2"
11	10" x 10" x 1/2"
12	10" x 10" x 1/2"
13	10" x 10" x 1/2"
14	10" x 10" x 1/2"
15	10" x 10" x 1/2"
16	10" x 10" x 1/2"
17	10" x 10" x 1/2"
18	10" x 10" x 1/2"
19	10" x 10" x 1/2"
20	10" x 10" x 1/2"
21	10" x 10" x 1/2"
22	10" x 10" x 1/2"
23	10" x 10" x 1/2"
24	10" x 10" x 1/2"
25	10" x 10" x 1/2"
26	10" x 10" x 1/2"
27	10" x 10" x 1/2"
28	10" x 10" x 1/2"
29	10" x 10" x 1/2"
30	10" x 10" x 1/2"
31	10" x 10" x 1/2"
32	10" x 10" x 1/2"



TRANSMISSION TOWERS

By ZETSEY, Dunbar Co
 15 ZENITH PLACE
 PITTSBURGH, PA
 INQUIRY NO. 15467
 ORDER NO. 6,1467
 DRAWING T-3414
 JUL 11, 1928

AMERICAN BRIDGE CO.
 PITTSBURGH, PA
 REVISIONS
 1. H.M. [unclear]
 2. J.H. [unclear]

RECORDED RIGHT OF WAY NO. **13623**
 50' WIDE OF DEAD END TOWER
 CHALLENGE MAPS FILED
 7 15 26 2000 66
 2 15 31 2000 66
 2 15 31 2000 66

100' 50' EXTENSION
 200' 50' EXTENSION

100' 50' EXTENSION
 200' 50' EXTENSION

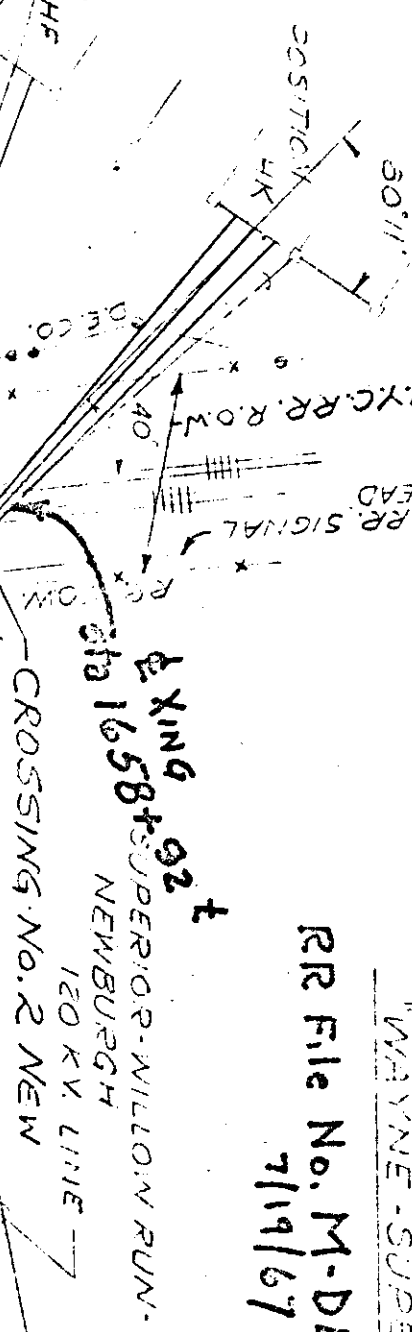
Copyright American Bridge Co. 1928

RECORDED RIGHT OF WAY NO. 13625 SUPERIOR-WILLOW RUN - NEWBURGH
"WAYNE-SUPERIOR"

D.E. CO.
SUPERIOR
STATION

RR FILE NO. M-DE--666
7/19/67

1-60' WIRE



CROSSING NO. 1: SPERSIDES
CROSSING COVERED ON RX-2745
PERMIT NO. EDR-8-2746, DATED 2-15-51

TOWER # 4594
TYPE: AD+10

#4594
TYPE: AD+10
Sta 1658+12 ±

TOWER # 4593
TYPE: AA

WAYNE-SUPERIOR
120 KY LINE

1.97 MILES WEST
OF
YPSILANTI,
MICH.

302' SPAN
LOWER CONDUCTOR
SAG - 16.9' INITIAL/FINAL
60°F (H.L.T. = 1775#)

(800' ROUNG SPAN) 773' SPAN
{ INITIAL SAG = 16.2' }
{ FINAL SAG = 17.4' } @ 60°F

1-3/8" BETHLEHEM "C" STEEL
3-60' WIRE

V 1-B-M
12

C-9541200 65' HOURS
CONSTRUCTION

1/2" BETHLEHEM "C" STEEL
60' WIRE

This Agreement, made this **9th** day

of **January,** 19 **21**, between THE NEW YORK CENTRAL RAILROAD COMPANY, Lessee of **the Michigan Central Railroad,** hereinafter called First Party, and **THE DETROIT EDISON COMPANY, a New York corporation,** (address: **2000 Second Avenue, Detroit 26, Michigan,**)

hereinafter called Second Party,

Witnesseth, that First Party, for and in consideration of the sum of **Forty-five (\$45.00)** dollar s to it paid by Second Party, ~~the receipt whereof is hereby acknowledged,~~ hereby licenses and permits, but without warranty, the Second Party, upon condition that Second Party faithfully keep and perform the covenants and agreements herein provided to be kept and performed by Second Party, and not otherwise, to **construct, maintain, operate and use a 120-Kv. steel tower transmission line, (known as the Newburg-Superior line), consisting of 3 - 477 MCM ACSS 26 al/7 st conductors and 2 - 3/8" Bethanized "C" 7-strand steel ground wires, over and across the right-of-way and tracks of First Party at a point west of Superior Road and approximately one hundred eighty-nine (189') feet northwest of Mile Post D-31 1/2, in Section 32, Superior Township, Washtenaw County, Michigan, west of Ypsilanti; said transmission line to be constructed in the location as shown by the white lines and marked "Proposed crossing of 3-477 MCM ACSS 26 al/7 st conductors & 2 - 3/8" Bethanized "C" 7-strand steel ground wires" on the blueprint from First Party's plan, designated "MC 66-130," which is hereto attached and hereby made a part hereof;**

RIGHT OF WAY FILE NO. 13623

~~and at the point shown upon the map or blueprint thereof, designated which is hereto attached and hereby made a part of this instrument,~~ all of which is hereinafter referred to as the "WORK," upon the following terms and conditions, all of which Second Party covenants and agrees to keep, abide by and perform:

FIRST: Said WORK shall be done at such time or times, in such manner, with such material and under such general conditions as shall be satisfactory to and approved by the Chief Engineer of First Party, or his duly authorized agent, and shall be so placed, maintained and operated by the Second Party as not in any way in the judgment of the First Party to interfere with the proper and safe operation, use and enjoyment of the property and railroad of the First Party or the poles, circuits or other equipment of The Western Union Telegraph Company or other telegraph, telephone or power company located on the property of the First Party. Second Party shall after the doing of said WORK restore the premises of First Party to the same or as good a condition as they were in prior to the commencement of the doing of said WORK.

SECOND: All the work to be done by Second Party, or by the contractors, agents or servants of Second Party, in connection with the doing of said WORK, or in connection with the repair, renewal or maintenance thereof, shall be done at the sole risk and expense of Second Party, and the cost of all work done by First Party in connection therewith, the checking of plans and the wages of any inspectors or watchmen which, in the judgment of the said Chief Engineer of First Party, may be required during the doing of said WORK, or in connection with the repair, renewal, maintenance or use thereof, for the proper and safe protection of the property, traffic and business of First Party, shall be paid to First Party by Second Party, upon bills being rendered therefor.

THIRD: First Party may, at its election, do all the work within the exterior lines of its lands in connection with or necessary for the doing of said WORK, or in connection with the repair, renewal, maintenance or use thereof, through its lands and across its roadway and tracks, and all of said WORK shall be paid for by Second Party as hereinbefore provided.

FOURTH: Second Party shall, if requested so to do by First Party, advance to First Party the estimated cost of said WORK, and upon the completion of said WORK, the unexpended balance, if any, shall be returned to Second Party, or if the sum advanced by Second Party to First Party is insufficient to pay for the cost of said WORK, then Second Party shall pay to First Party such additional sum as was necessary to complete said WORK, upon being furnished by First Party with a detailed statement of the amount and cost of such additional work.

FIFTH: Whenever it may be necessary to make any repairs to or renewals of said WORK in or upon the premises of First Party, such repairs or renewals shall be made under the supervision and control of said Chief Engineer of First Party, or his duly authorized agent, at the sole expense of Second Party, in such a manner as to interfere as little as possible with the premises, property and business of First Party, and Second Party shall, at the cost and expense of Second Party, restore the premises of First Party to the same or as good a condition as they were in prior to the making of such repairs or renewals; or First Party may, at its election, make such repairs or renewals, and the expense thereof shall be paid to it by Second Party, as hereinbefore provided

SIXTH: Second Party shall and will at all times hereafter indemnify and save harmless First Party from and against any and all detriment, damages, losses, claims, demands, suits, costs, or expenses which First Party may suffer, sustain, or be subject to, directly or indirectly, caused either wholly or in part by reason of the location, construction, maintenance, use or presence of said WORK as permitted by this license or resulting from the removal thereof.

SEVENTH: This agreement and license and privilege it confers may be revoked and terminated at the option of First Party at any time by giving thirty (30) days' written notice to Second Party or by posting such notice in a conspicuous place where said WORK has been done; and upon the expiration of said thirty (30) days after service of such notice, this agreement and the license and privilege hereby granted shall be absolutely terminated and extinguished; and thereupon, Second Party shall remove said WORK from the premises of First Party and restore same to their former condition at the expense of Second Party, or on the failure of Second Party so to do, First Party may remove said WORK at the expense of Second Party, which the latter hereby expressly agrees to pay on demand.

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EIGHTH: It is understood and agreed by and between the parties hereto that if, at any time or times hereafter, First Party shall desire to make any changes in its tracks, structures, roadbed or other facilities at the point of crossing, or make any changes whatever, in, to, upon, over or under the premises owned, controlled or leased by said First Party, and crossed or in any way affected by the WORK of Second Party under this agreement, then Second Party shall, at its own cost and expense, upon thirty (30) days' notice in writing to that effect from First Party make such changes in the location or construction of its said WORK, as in the judgment of the Chief Engineer of First Party may be necessary to accommodate any future construction, improvements or changes of said First Party.

NINTH: It is agreed that in no event shall any wires, pipes or other structures, except those herein mentioned and shown on the blueprint hereto attached, be strung or placed across the tracks or upon the property of First Party, without express permission so to do, in writing from said First Party, to that effect; and that in that event, all the terms and conditions of this agreement shall immediately, upon the giving of such permission for the stringing or placing of such additional wires, pipes or other structures, apply to and cover the same with the same effect as if the right to string or place them had been incorporated in this agreement.

TENTH: It is understood and agreed by and between the parties hereto, that if at any time during the continuance of this agreement, Second Party hereto removes, abandons or discontinues the use of the WORK hereinabove referred to, this agreement and all rights hereby conferred upon said Second Party shall be deemed to be abrogated and determined as of the date of such removal, abandonment or discontinuance, without other or further action on the part of either party; and Second Party covenants and agrees that, in case the said WORK hereinabove referred to is at any time during the continuance of this agreement discontinued or abandoned, said Second Party shall, within sixty (60) days after the abandonment or discontinuance of said WORK, actually remove said WORK from the premises of First Party hereto, or cause it to be removed, and, if, after the expiration of said sixty (60) days, the said WORK is not actually removed, it is understood that First Party hereto may forthwith remove the same at the risk and expense of Second Party, and without being in any manner liable to said Second Party for such removal, and Second Party covenants and agrees to pay to First Party hereto the cost of such removal upon bill therefor rendered to Second Party.

ELEVENTH: Second Party hereby agrees to pay to First Party, upon presentation of bills, the sum of Thirteen Dollars, Seventy-five Cents (\$13.75) for the period February 1st to December 31st, 1951, and the sum of Fifteen Dollars (\$15.00) per annum, beginning on the 1st day of January, 1952, and thereafter on the 1st day of each successive one (1) year period during the term and continuance of this agreement.

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The covenants and agreements herein contained shall be binding upon, and shall inure to the benefit of, the heirs, ~~executors, administrators,~~ successors and assigns of the parties hereto respectively.

In Witness Whereof, the parties hereto have duly executed this instrument in duplicate, the day and year first above written.

THE NEW YORK CENTRAL RAILROAD COMPANY,

Lessee of the Michigan Central Railroad,

Approved.

W H Munn
District Engineer.

By

R B Rice
Real Estate and Tax Agent.

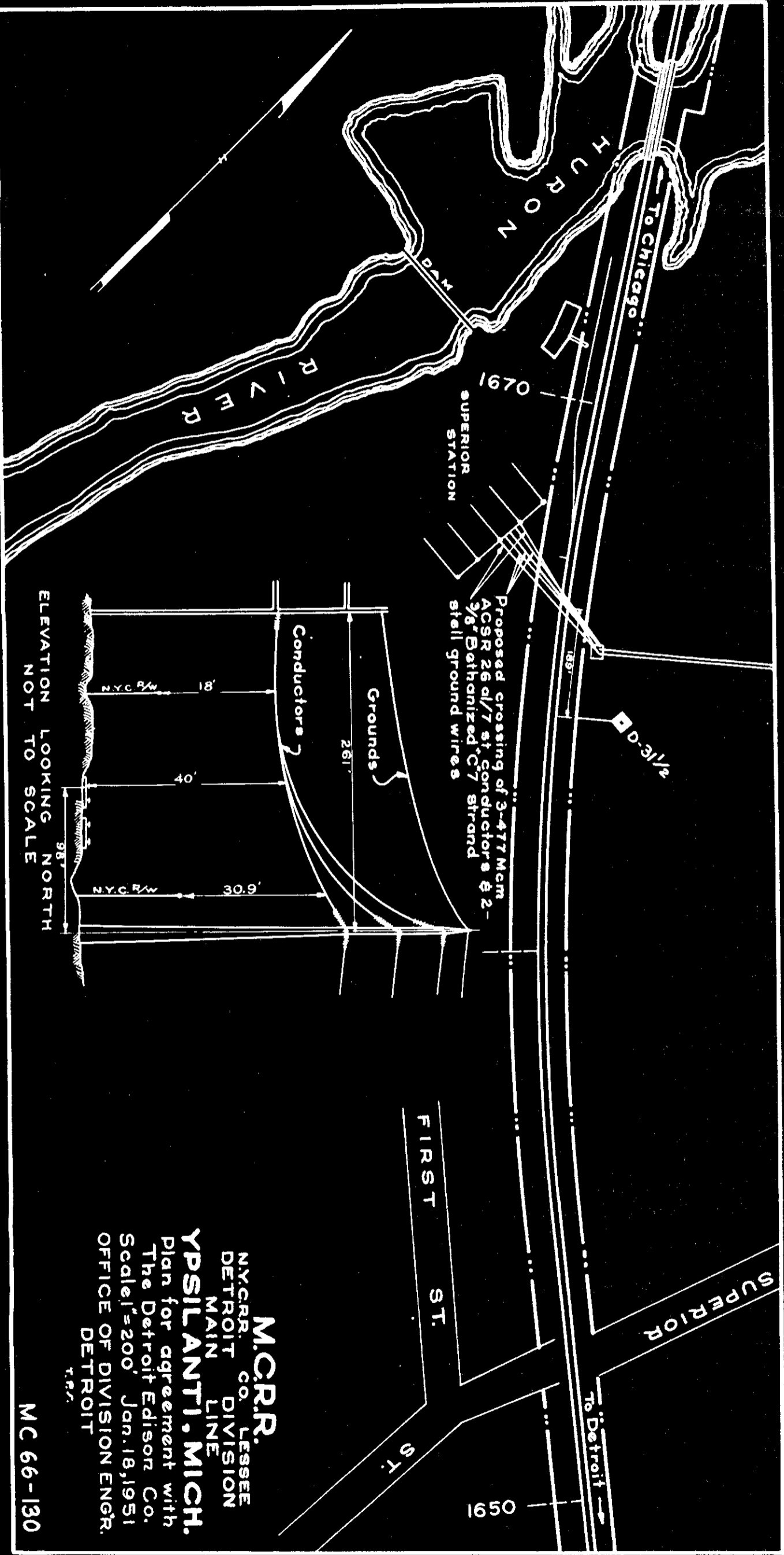
THE DETROIT EDISON COMPANY,

By

Richard H. Taylor
RIGHT OF WAY AGENT

WAM
SBH

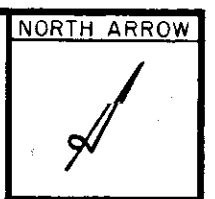
RIGHT OF WAY FILE NO. 13623



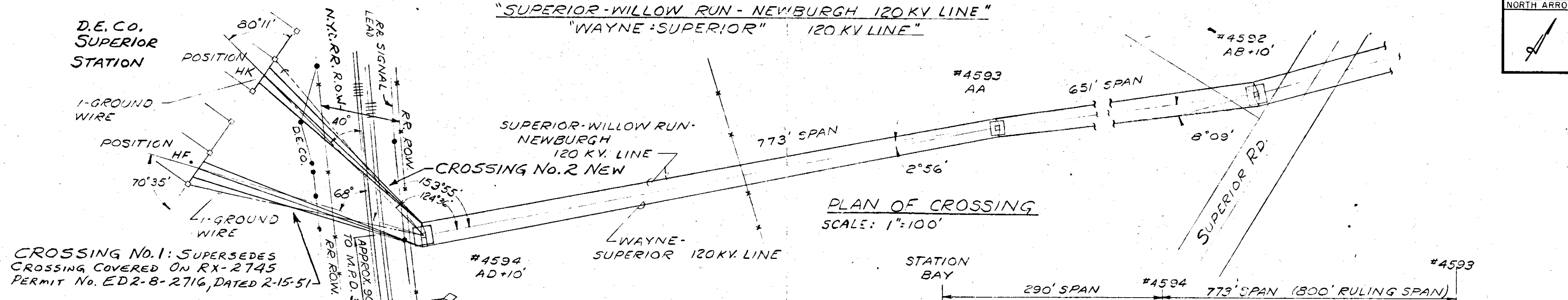
ELEVATION LOOKING NORTH
NOT TO SCALE

M.C.R.R.
 N.Y.C.R.R. CO. LESSEE
 DETROIT DIVISION
 MAIN LINE
YPSILANTI, MICH.
 Plan for agreement with
 The Detroit Edison Co.
 Scale 1"=200' Jan. 18, 1951
 OFFICE OF DIVISION ENGR.
 DETROIT
 T.P.S.

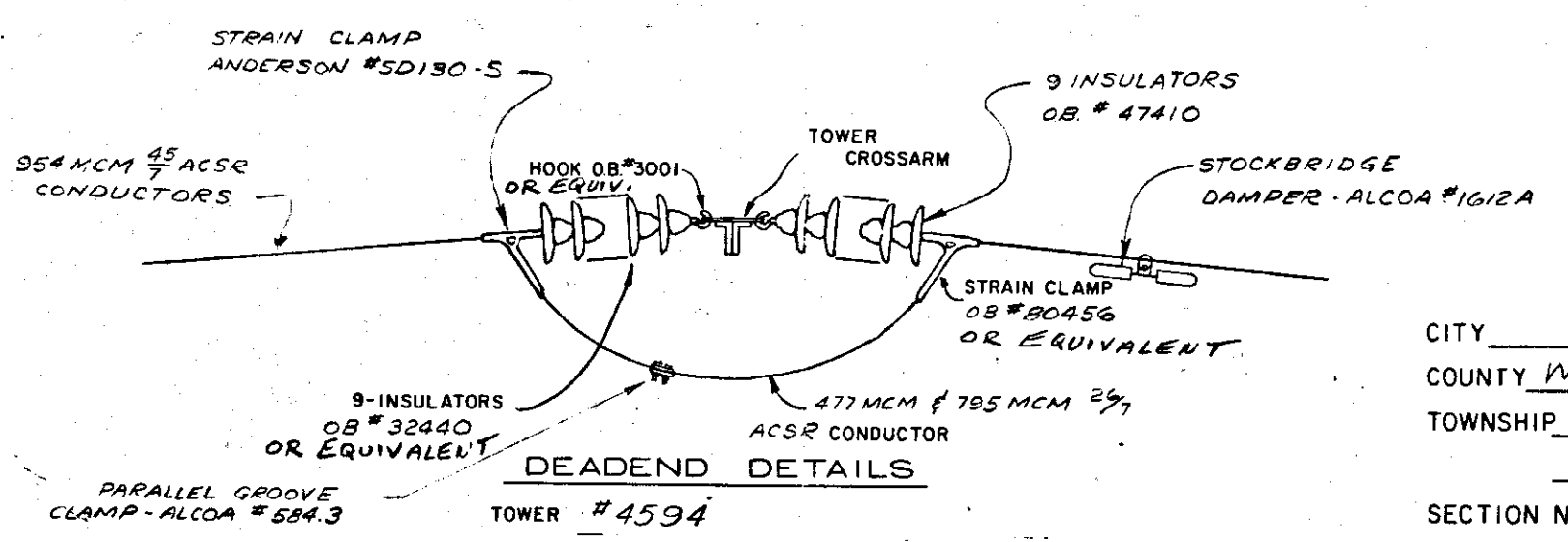
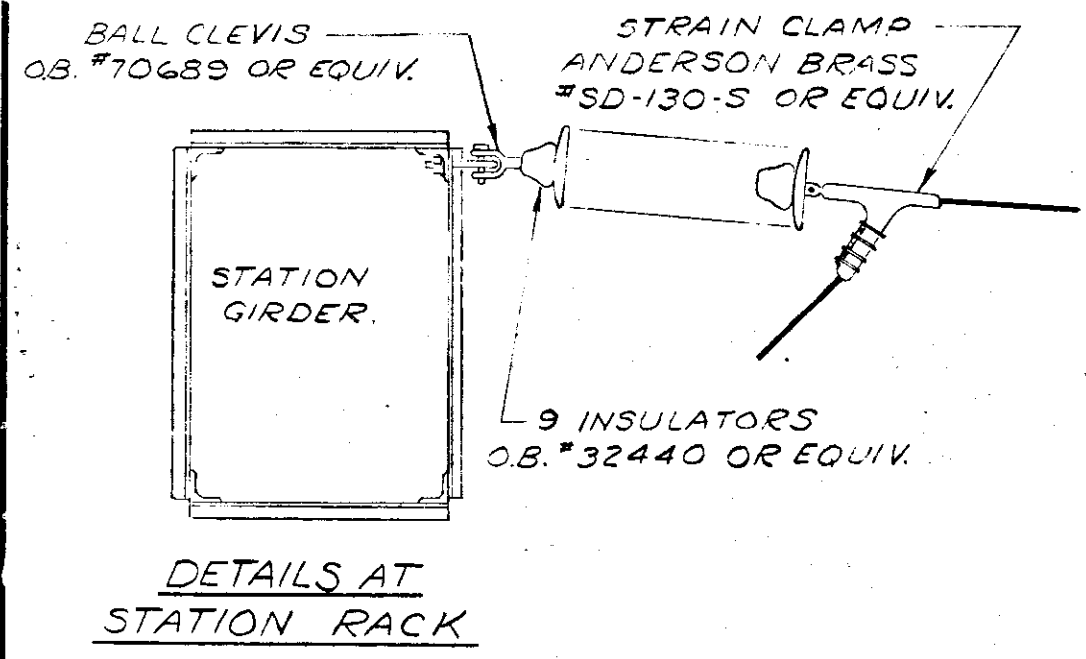
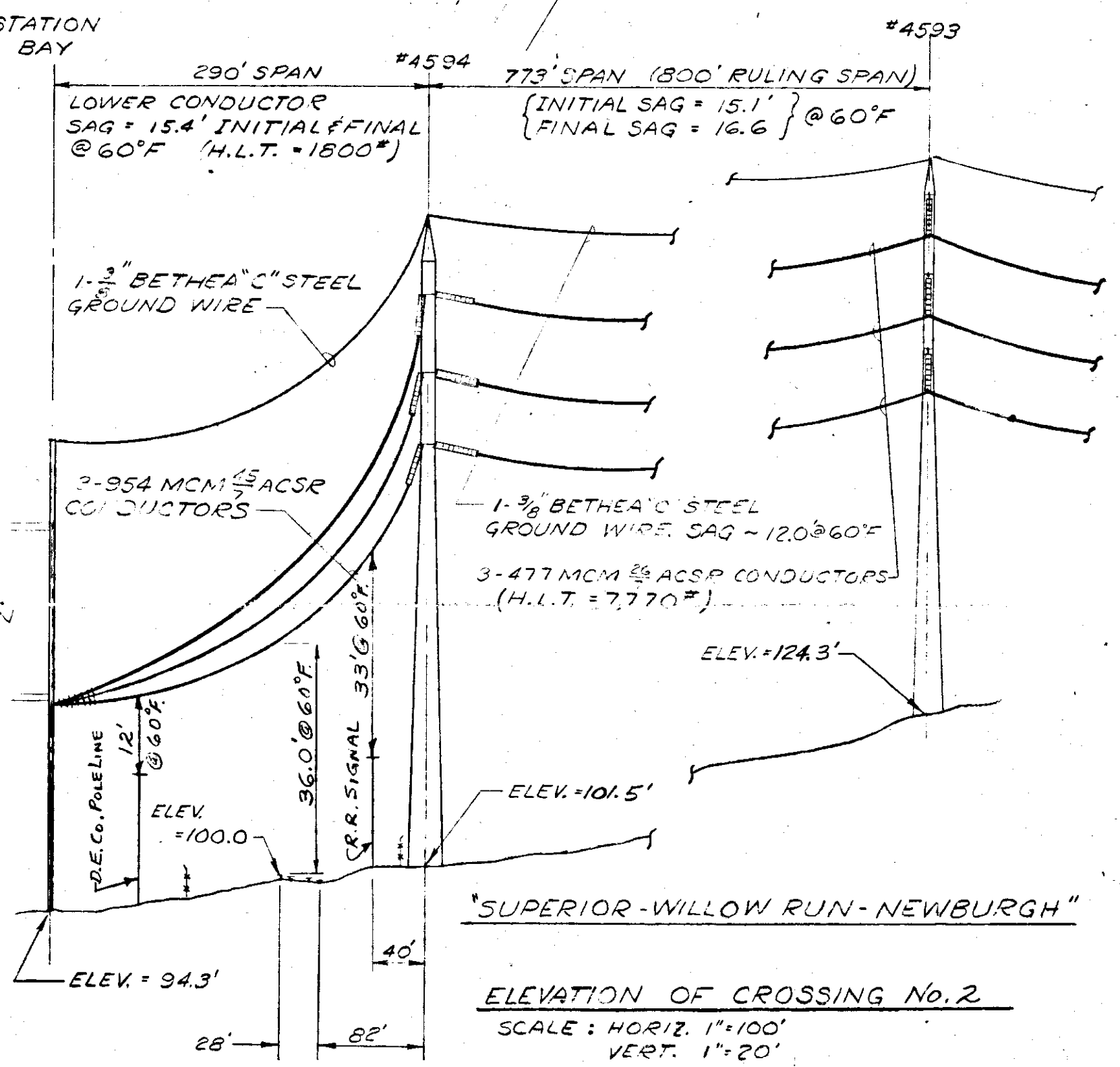
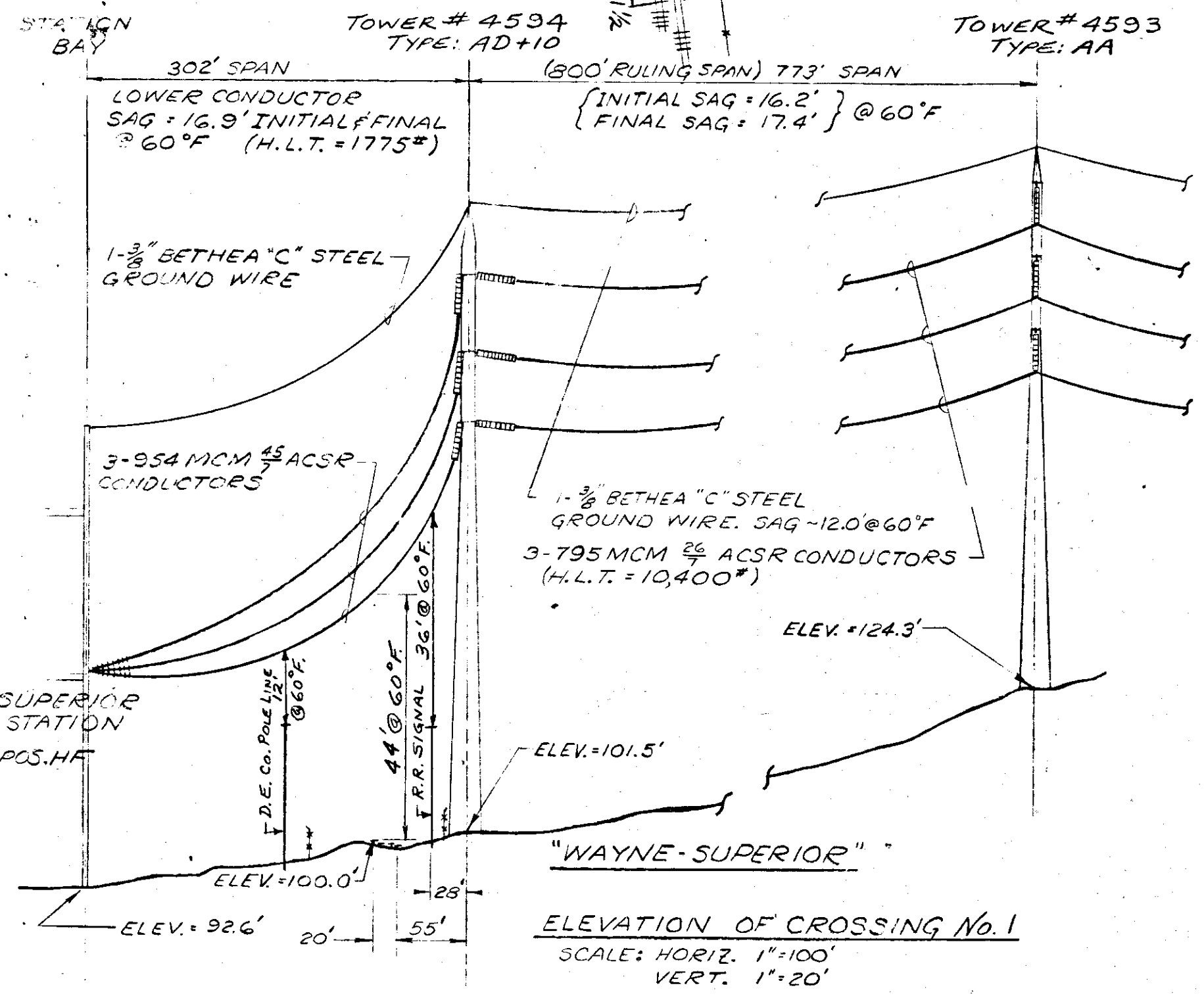
MC 66-130



"SUPERIOR-WILLOW RUN-NEWBURGH 120 KV LINE"
"WAYNE-SUPERIOR" 120 KV LINE



PLAN OF CROSSING
SCALE: 1"=100'

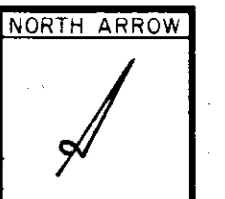


CITY _____
COUNTY WASHTENAW
TOWNSHIP SUPERIOR
T3S.-R.7E.
SECTION NO. 32

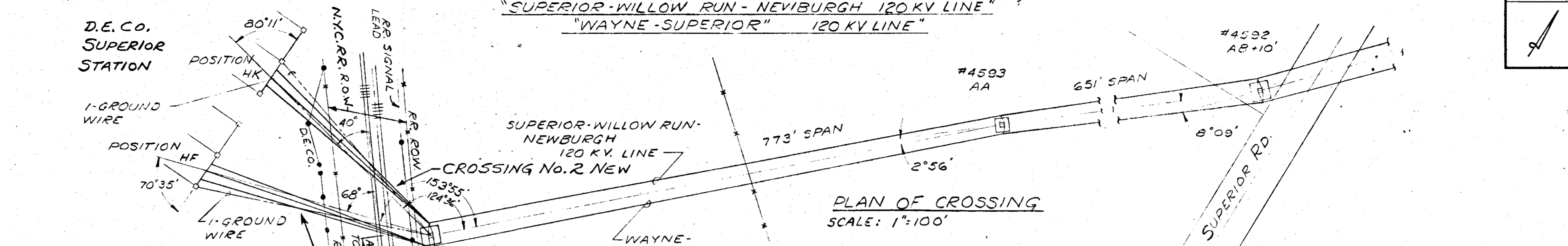
APPROVED
FOR
MICHIGAN PUBLIC SERVICE COMMISSION
[Signature]
DIRECTOR OF PUBLIC UTILITIES
FILE ED2-8-6100 DATE 8-17-67

THE DETROIT EDISON COMPANY
PLAN SUBMITTED TO
MICHIGAN PUBLIC SERVICE COMMISSION
FOR 120,000 VOLT CROSSING
OVER THE NEW YORK CENTRAL RR.
DRAWN BY R.O. STURDY DATE 4/25/67
APPROVED BY *[Signature]* DATE 4/25/67
PERMIT NO. ED DRAWING NO. RX-2745 A

RECORDED RIGHT OF WAY NO. 13623

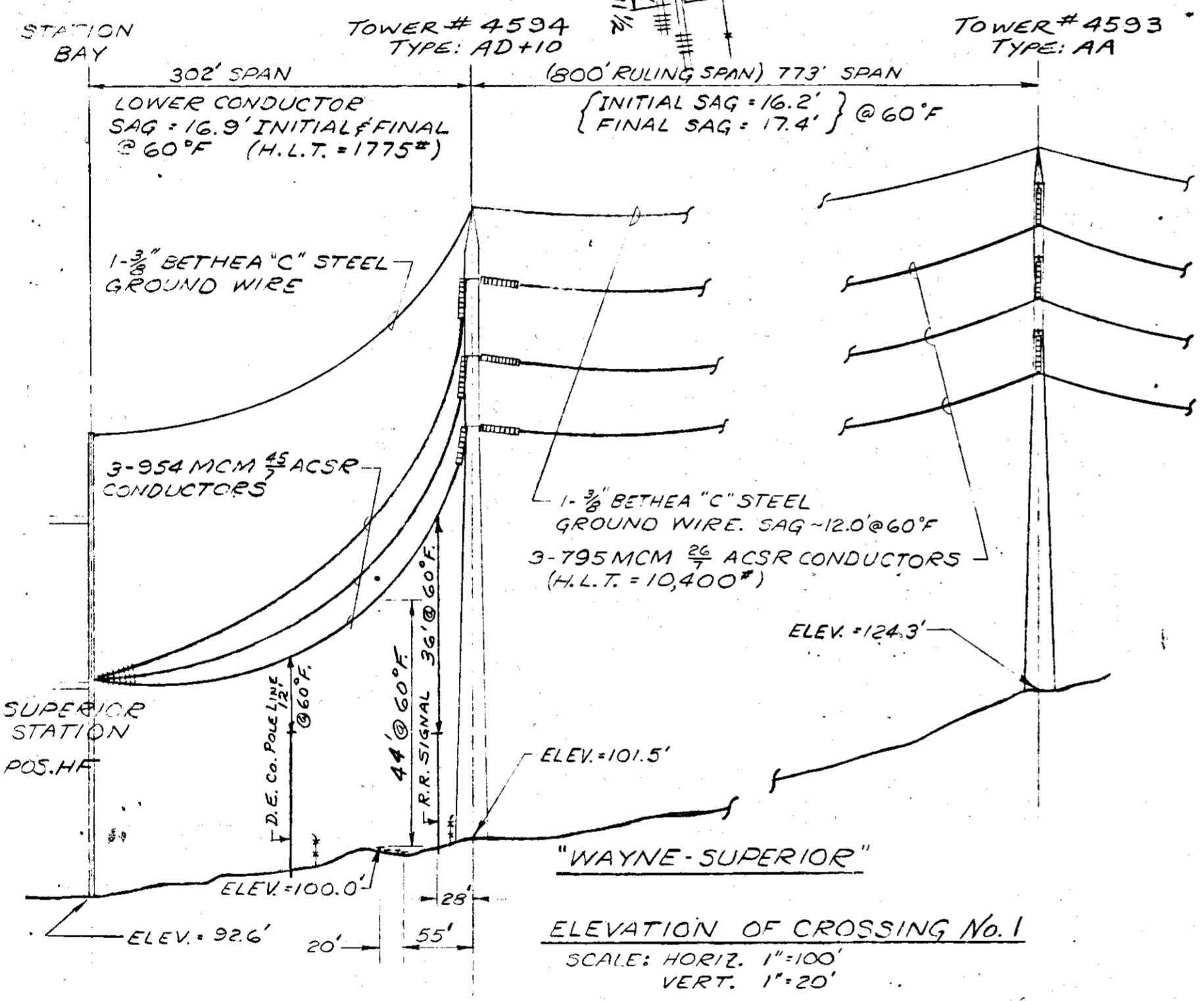


"SUPERIOR-WILLOW RUN-NEVIBURGH 120 KV LINE"
"WAYNE-SUPERIOR" 120 KV LINE

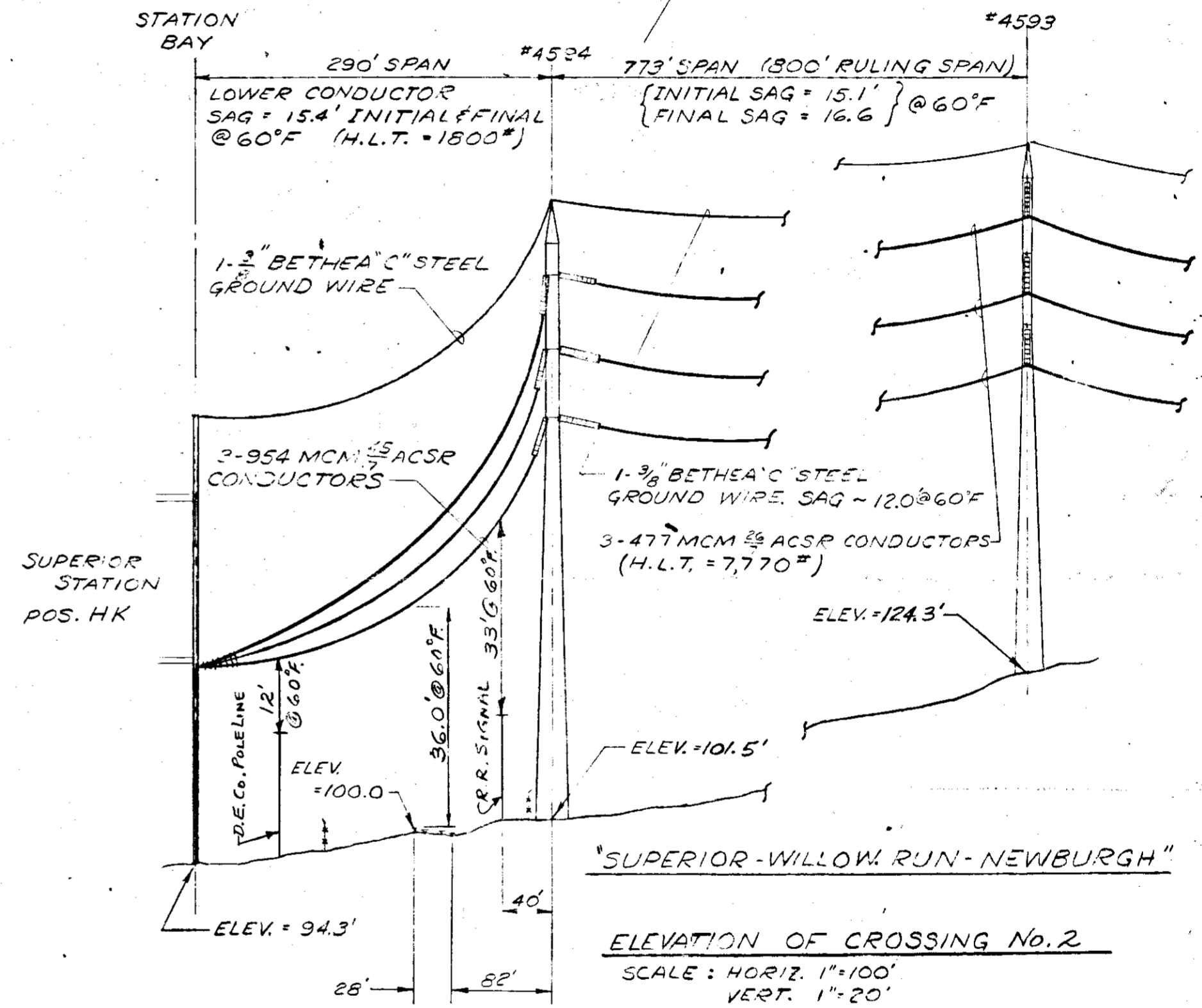


PLAN OF CROSSING
SCALE: 1"=100'

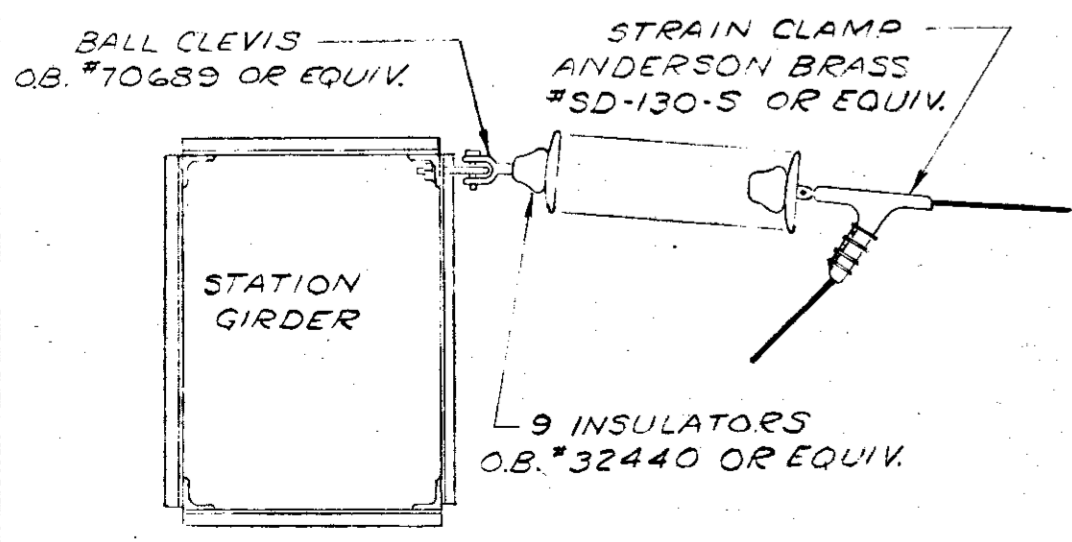
CROSSING No. 1: SUPERSEDES
CROSSING COVERED ON RX-2745
PERMIT No. ED2-8-2716, DATED 2-15-51



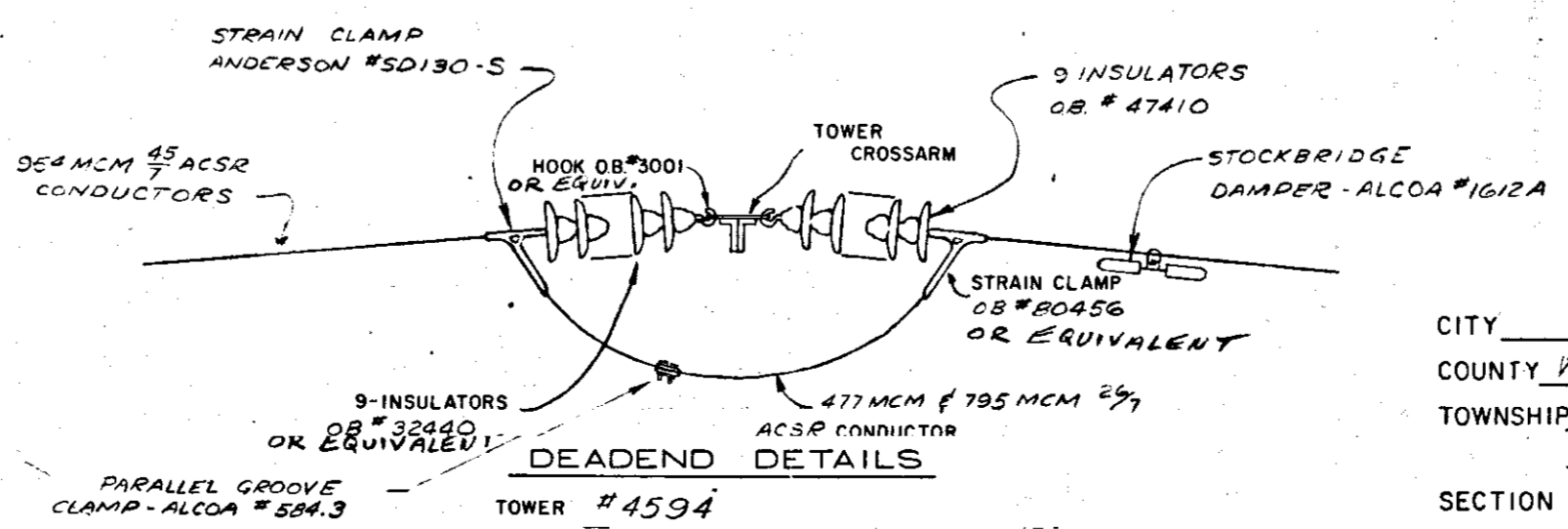
ELEVATION OF CROSSING No. 1
SCALE: HORIZ. 1"=100'
VERT. 1"=20'



ELEVATION OF CROSSING No. 2
SCALE: HORIZ. 1"=100'
VERT. 1"=20'



DETAILS AT
STATION RACK



DEADEND DETAILS
TOWER #4594

APPROVED
FOR
MICHIGAN PUBLIC SERVICE
COMMISSION
[Signature]
DIRECTOR OF PUBLIC UTILITIES
FILE ED2-8-6101 DATE 8-17-67

THE DETROIT EDISON COMPANY
PLAN SUBMITTED TO
MICHIGAN PUBLIC SERVICE COMMISSION
FOR 120,000 VOLT CROSSING
OVER THE NEW YORK CENTRAL RR.
DRAWN BY R.O. STURDY DATE 4/25/67
APPROVED BY *[Signature]* DATE 4/25/67
PERMIT NO. 17
DRAWING NO.
ED RX-2745 A

CITY _____
COUNTY WASHTENAW
TOWNSHIP SUPERIOR
1.35.-R.T.E.
SECTION NO. 32

RECORDED RIGHT OF WAY NO. 13623