

5  
April 18, 1981

To: Records Center

From: Sharon Sounart  
Real Estate and Rights of Way Department

Subject: Crossing of the Northeast-Sterling and the Chestnut-Sterling  
120-kV Transmission Lines at two locations. Both Crossings  
are in the S.E. ¼ of Section 21, City of Sterling Heights,  
Macomb County, Michigan.

The attached papers are for records center storage. Information  
about the completed transaction is shown in the following summary.

R.R. 1	R.R. INVOICE NO. M.P.S.C. NO. OR R.E. & R/W NO. 3	Update Type 10	D.E.C.O. RECORDS CENTER FILE NO. 11	R.X. NO. OR MAP NO. 16	Facility 21	Agreement Date 22
09	ME21081	1		4333	2	X X X X X

*Conrail*

Payment Frequency 28	Rental 29	OH-UG Code 33	Division 34	County 35	City or Township 36	Section 44
X	X X X X X	1	3	06	STERLING	21

Location									
47									50
2050'	N	16	3	2620	3	2220'	W	VANDYKE	

Update Type Codes  
1 = New Agreement  
2 = Revised Agreement  
3 = Terminated Agreement

The Accounts Payable Department is requested to start or change  
the rental payment effective

Approved *[Signature]*

- cc:  Accounts Payable
- Service Planning
- System Engineering
- Transmission & Distribution

RECORDED RIGHT OF WAY NO.

33816



2000 Second Avenue  
Detroit, Michigan 48226  
(313) 237-8000

May 4, 1981

APPROVED

Mr. David Wilson  
Utilities-Permits Engineer  
Department of Transportation  
18101 Nine Mile Road  
Southfield, Michigan 48075  
Gentlemen:

MAY 7 1981  
*David B. Wilson*  
DIST. UTILITY ENGINEER  
MICHIGAN STATE HIGHWAY DEPT.

The Detroit Edison Company plans to construct, operate, and maintain an overhead line in City of Sterling Heights, Macomb County.

The line will cross the tracks of the Consolidated Rail Corporation. The wires to be installed are:

Two 120,000 volt, 60 cycle, 6 wire, 3 phase transmission circuits with two grand wired at each crossing.

The railroad has given the following waiver of hearing:

- Waiver dated 3-2-81 enclosed
- Blanket Waiver on file with the MPSC.

The proposed crossing is shown on drawing No. RX-4333

- This is a new crossing.
- This is a re-construction.

Please grant a State Highway Permit to the Detroit Edison crossing.

DO NOT WRITE IN THIS BOX		
Application No. 50000-5-81		
Permit No. ME-210-81		
Date of Issuance 5-7-81		
Fee Amount 10.00	Date 5-7-81	
Cash	Bill <input checked="" type="checkbox"/>	By HAO

RECEIVED

MAY 06 1981

Utilities-Permits Division  
Mich. Dept. of State Highways

RECORDED RIGHT

WAY NO.

33816

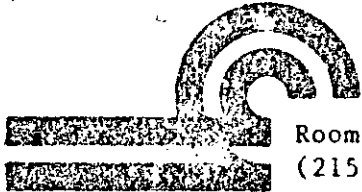
Very truly yours,

*R. G. DuPont*  
R. G. DuPont  
Office Supervisor  
Real Estate & R/W Department  
406 G. O.

/ss

CONRAIL

23  
2-81



Room 801  
(215) 893- 6409

The Detroit Edison Company  
2000 Second Avenue  
Detroit, Michigan 48226

March 2, 1981  
File: DE-335

Attention: R. G. DuPont  
Office Supervisor  
Real Estate and R/W Dept.

ACCEPTED

By [Signature]  
Title \_\_\_\_\_ Date 4/1/81  
ROBERT R. TEWKSBURY, DIRECTOR  
Real Estate and Rights of Way Dept.

Gentlemen:

Reference is made to your letter dated January 19, 1981 attaching copies of your drawing RX-4333 indicating your proposed installation of an aerial crossing of two (2) circuits 120,000-volts each consisting of three (3) conductors and one (1) neutral wire crossing over tracks of Railroad located at Valuation Station 957+50+, at a point 190 feet south of Mile Post 20 and 0.20 of a mile south of the Station of Sterling Heights, Macomb County, Michigan.

We have no objections to the installation as mentioned above with the understanding that the abovementioned facilities will be installed in a safe and satisfactory manner and in accordance with the "General Conditions" hereto attached and made a part hereof. You will be required to notify: R. D. Lowery, Engineer of Construction, Chicago, Ill., Tele: (312) 236-7200, x2400 at least seven (7) working days prior to start of work.

It is to be understood that this installation must be made in accordance with the approved plans and will conform with current Consolidated Rail Corporation construction requirements.

Consolidated Rail Corporation hereby waives hearing in regard to your Company making the abovementioned construction provided the work is done in a safe and satisfactory manner and subject to the rules and regulations of the Michigan Public Service Commission.

Your draft in the amount of \$ 250.00 to cover the preparation fee under this agreement is to be forwarded when all copies of the agreement are returned to this office.

To confirm your acceptance of these conditions, please have an authorized official of your Company indicate acceptance in the space provided on the duplicate of this letter and return it to this office. It is to be further understood that no work can be started until the signed copy of this letter is received in this office and the notification procedures as stated above have been accomplished.

CONSOLIDATED RAIL CORPORATION

(signed) R. W. ORR

R. W. Orr, Assistant Vice President - Contracts

CONSOLIDATED RAIL CORPORATION 1573 WALNUT STREET PHILADELPHIA, PA 19102

RECORDED RIGHT OF WAY NO.

338/6

11/22/76

CONSOLIDATED RAIL CORPORATION  
1528 Walnut Street

PHILADELPHIA, PENNSYLVANIA 19104

GENERAL CONDITIONS

1. Facilities must conform with all Federal, State and local laws, rules and regulations and will not be attached to any Railroad structure or appurtenance and will not otherwise be located on any private property of the Railroad.

2. In the event of any revision, renewal, addition or alteration of said facilities, prior approval of the Railroad must be secured.

3. Facilities will be installed, maintained, repaired and renewed by and at the sole risk, cost and expense of the OWNER.

4. If the Railroad deems it advisable during the progress of any work of construction, maintenance, repairs and renewals, alterations, adjustments or removal of the facilities and appurtenances of the OWNER, or in the event of emergency, to place watchmen, flagmen, inspectors or any other employees deemed necessary by Railroad for the protection of the property owned or in possession or control of the Railroad, or its employees, patrons, or licensees, the Railroad shall have the right to do so. The OWNER agrees to pay to Railroad the actual cost of material plus the current applicable overhead percentages for storage, handling, transportation, purchasing and other related material management expenses and the actual cost of labor plus the current applicable overhead percentages as developed and published by the Accounting Department of Railroad for fringe benefits, payroll taxes, administration, supervision, use of tools, machinery and other equipment, supplies, employers' liability insurance, public liability insurance, and other insurance, taxes and all other indirect expenses. It is to be understood that the aforementioned material and labor overhead charges are to be applied at the rates which are effective at the time of the performance of any work by employees of the Railroad on the said facilities. The OWNER agrees to pay such bills within thirty (30) days of the presentation thereof by Railroad. Failure of the Railroad to provide such watchmen, flagmen, inspectors or any other employees of Railroad, shall in no event be construed as in any manner or degree affecting any obligations of the OWNER as provided for elsewhere in these conditions.

5. All cost or expense resulting from any and all loss of life or property, or injury or damage to the person or property of any person, firm or corporation (including the parties hereto and their respective officers, agents and employees) and any and all claims, demands or actions for such loss, injury or damage, caused by or growing out of the presence or use, or the construction, maintenance, renewal, change or relocation and subsequent removal of said facilities and appurtenances herein referred to, caused by or from the joint or concurring negligence of both parties hereto shall be borne by them equally; if, however, any such loss, injury or damage shall be attributed to the negligence of one of the parties hereto, where solely or combined with the negligence of any other person or corporation not a party hereto, and without the concurring fault or negligence of the other party hereto, then such party hereto which by its fault, or negligence contributed thereto shall indemnify, protect and save harmless the other party hereto therefrom.

6. Upon abandonment of the facilities, the same shall be removed and the property of the Railroad shall be restored to good condition and this instrument shall become null and void, save and except only as to any liability accrued prior thereto.

7. All rights and obligations conferred hereby shall extend to the successors and assigns of the parties hereto, provided that the owner shall in no event transfer or assign its rights hereunder without the written consent of Railroad".

RECEIVED RIGHT OF WAY NO. 33816

RX's  
4430  
4333

RECORDED RIGHT OF WAY NO. 33810

FOR CHECK DELIVERY

SEND CHECK TO Sharon Jounart  
 ADDRESS 406 GO  
 CALL EXTENSION \_\_\_\_\_  
 HOLD FOR VENDOR PICK-UP \_\_\_\_\_ TIME \_\_\_\_\_

REMITTANCE FROM THE DETROIT EDISON CO. PLEASE DETACH CHECK BEFORE DEPOSITING

Detroit

2000 Second Avenue  
Detroit, Michigan 48226

General Account

605530 <sup>9-33</sup>/<sub>720</sub>

MANUFACTURERS NATIONAL BANK  
OF DETROIT  
DETROIT, MICHIGAN

DATE 03/26/81

CHECK NUMBER M 3406

\$500.00

\*\*\*\*\*500\*DOLLARS\*00\*CENTS\*\*\*\*\*

Pay to the order of

CONSOLIDATED RAIL CORP  
1528 WALNUT ST ROOM 801  
PHILADELPHIA, PA 19102

AUTHORIZED SIGNATURE  
VOID OVER \$500.00  
ONE SIGNATURE REQUIRED UNDER \$10,000.00  
AUTHORIZED COUNTER SIGNATURE

"PLEASE RUSH"

**Detroit Edison**

2000 Second Avenue  
Detroit, Michigan 48226  
(313) 237-8000

January 19, 1981

xm 1480  
DE 335

Mr. R. W. Orr  
Assistant Vice President-Contracts  
Consolidated Rail Corporation  
1528 Walnut St. - 8th

Philadelphia, Pennsylvania 19102

**Proposed Overhead Wire Crossing:**

Two 120,000 volt, 60 cycle, 6 wire, 3 phase transmission circuits with two grand wires at each crossing.

**Specific Location**

Crossing of the Northeast-Sterling (Van Dyke) and the Chestnut-Sterling (Van Dyke) 120-kV transmission lines of the Conrail Corp. at 2 locations:

- #1: Approximately 2,050 feet north of 16 Mile Road and 2,620 feet West of Van Dyke Ave.
- #2: Approximately 2,050 feet north of 16 Mile Road and 2,220 feet west of Van Dyke.

RECORDED RIGHT OF WAY NO. 33816

R. R. Valuation Station \_\_\_\_\_ R. R. Mile Post \_\_\_\_\_

City/Village Sterling Heights ~~Township~~ S.E. 1/4 Section 21

County Macomb Detroit Edison Plan Attached RX 4333

This is a New Crossing XX This is a Reconstruction of Existing Crossing \_\_\_\_\_

Previous Agreement Information (if any) Date \_\_\_\_\_ (R. R. Plan) \_\_\_\_\_

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.

*R. G. DuPont*

R. G. DuPont  
Office Supervisor  
Real Estate & R/W Dept.  
406 G. O.

DATA SHEET TO ACCOMPANY DRAWING RX-4333

Name of Company

The Detroit Edison Company

Name and Location of Crossing

Crossing of the Northeast-Sterling (Van Dyke) and the Chestnut-Sterling (Van Dyke) 120 kV transmission lines over the Consolidated Rail Corp. at two locations.

Crossing #1: Approximately 2,050 feet north of 16 Mile Road and 2,620 feet west of Van Dyke Ave.

Crossing #2: Approximately 2,050 feet north of 16 Mile Road and 2,220 feet west of Van Dyke Ave.

Both crossings are in the South East  $\frac{1}{4}$  of section 21, City of Sterling Heights, Macomb County, Michigan.

Circuits

Two 120,000 volt, 60 cycle, 6 wire, 3 phase transmission circuits with two groundwires at each crossing.

Steel Poles

Per attached drawings: ED1-9261, ED16931 and ED2-8253

Conductors

Six 1431 MCM 45/7 ACSR with two 7/16" steel ground wires.

Insulators

Deadend - Thirteen 5-3/4" x 10" insulators.

Suspension - Twelve 5-3/4" x 10" insulators.

Guy and Guy Attachments

None

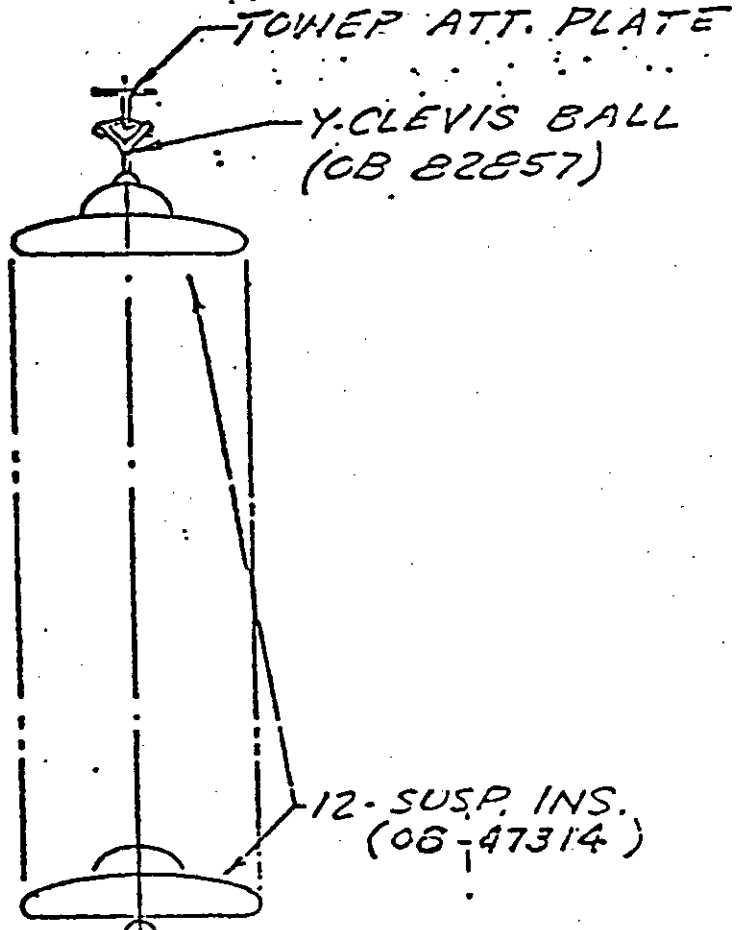
Suspension and Deadend Details

See attached drawing ED1-7008.

System Engineering Department  
CVP/1a 11/25/80

REGISTERED RIGHT OF WAY NO. 33816

SUSP. ASS'Y.  
DETAILS



12 - SUSP. INS.  
(OB-47314)

SUSPENSION  
CLAMP & SOCKET EYE  
(ANDERSON-CFS-252-S)

1431 MCM 45/7 ACSR  
CONDUCTOR

Y-CLEVIS BALL  
(OB-82857)

1431 MCM 45/7 ACSR  
CONDUCTOR

DEADEND  
CLAMP WITH SOCKET  
EYE  
(ANDERSON-SD-155-S)

13 - SUSP. INSULATORS  
(OB-47410)

DEADEND ASS'Y.  
DETAILS

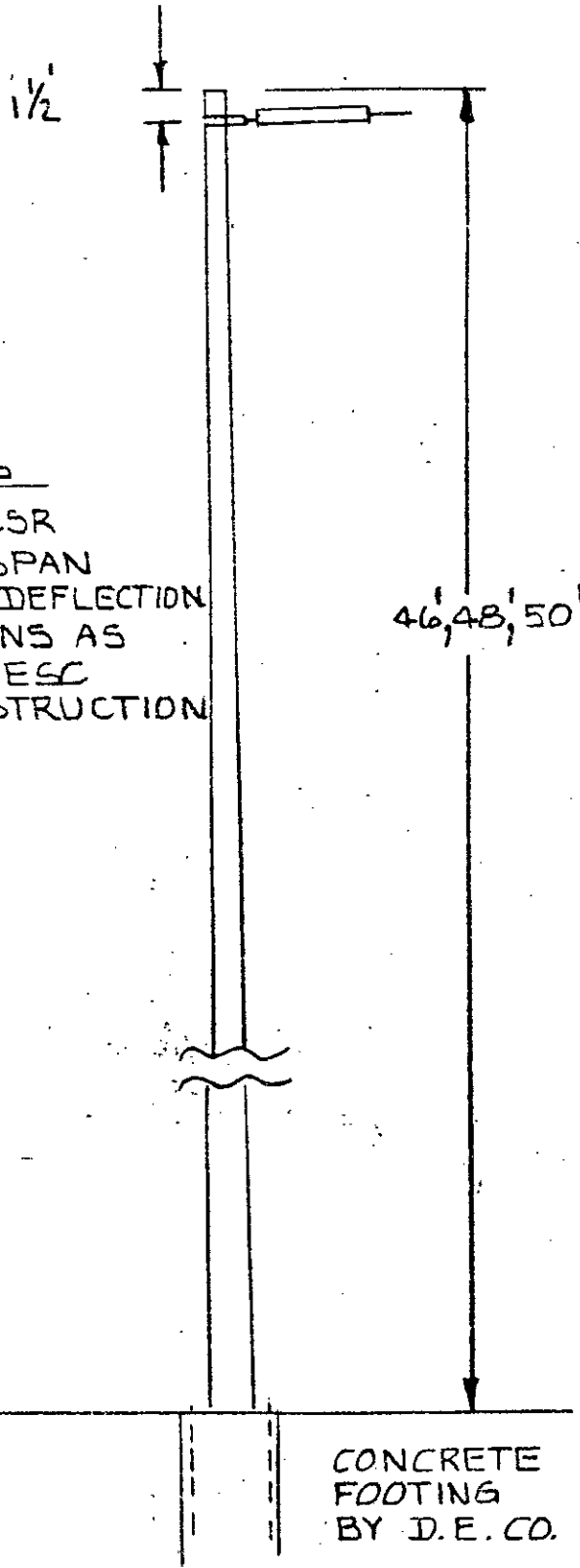
PROPOSED RIGHT OF WAY NO. 32816  
 RECORDED RIGHT OF WAY NO.

REV. 10/1/17  
25/1/2017

230KV SUSPENSION &  
DEADEND ASS'Y DETAILS

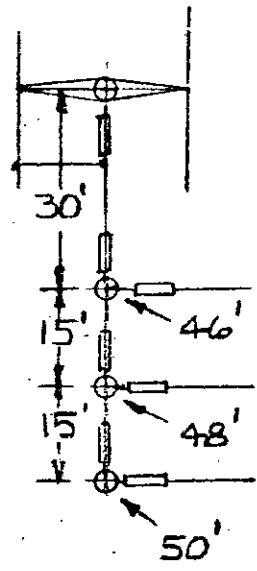
APPROVED 	THE DETROIT EDISON COMPANY GENERAL ENGINEERING DEPARTMENT	
LAYOUT BY POS	DATE 12/15/59	DRAWING NUMBER ED-1-7008
SCALE		





SPECIFICATIONS

1431 MCM 45/7 ACSR  
 CONDUCTORS. SPAN  
 LENGTH, LINE DEFLECTION  
 & WIRE TENSIONS AS  
 SPECIFIED. NESC  
 GRADE "B" CONSTRUCTION



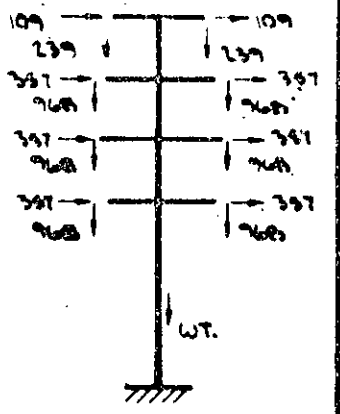
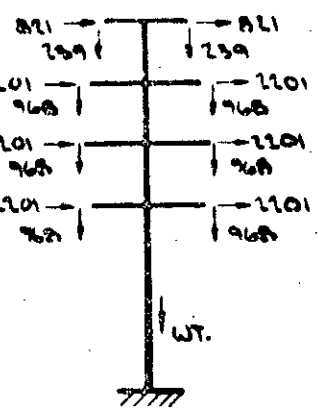
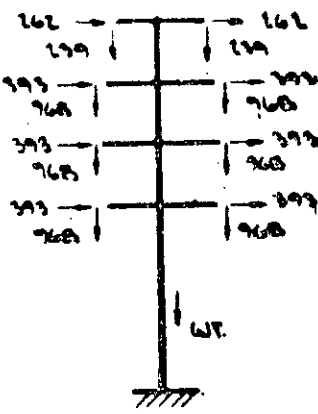
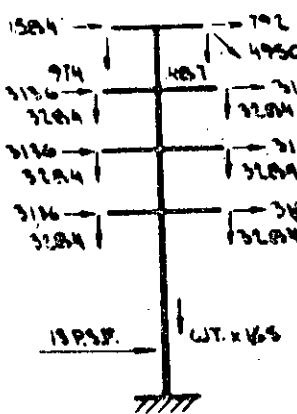
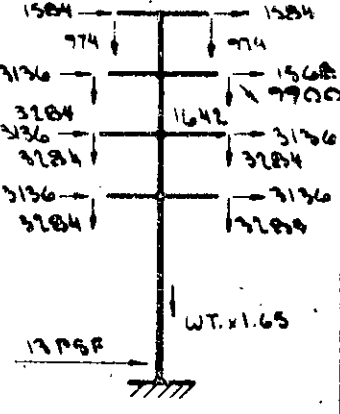
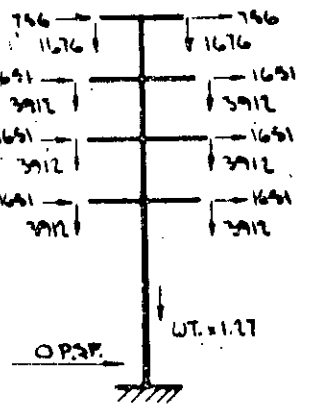
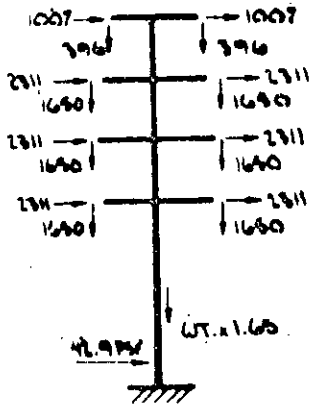
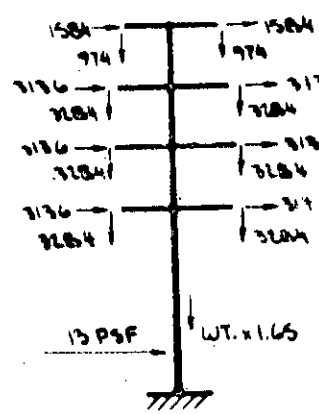
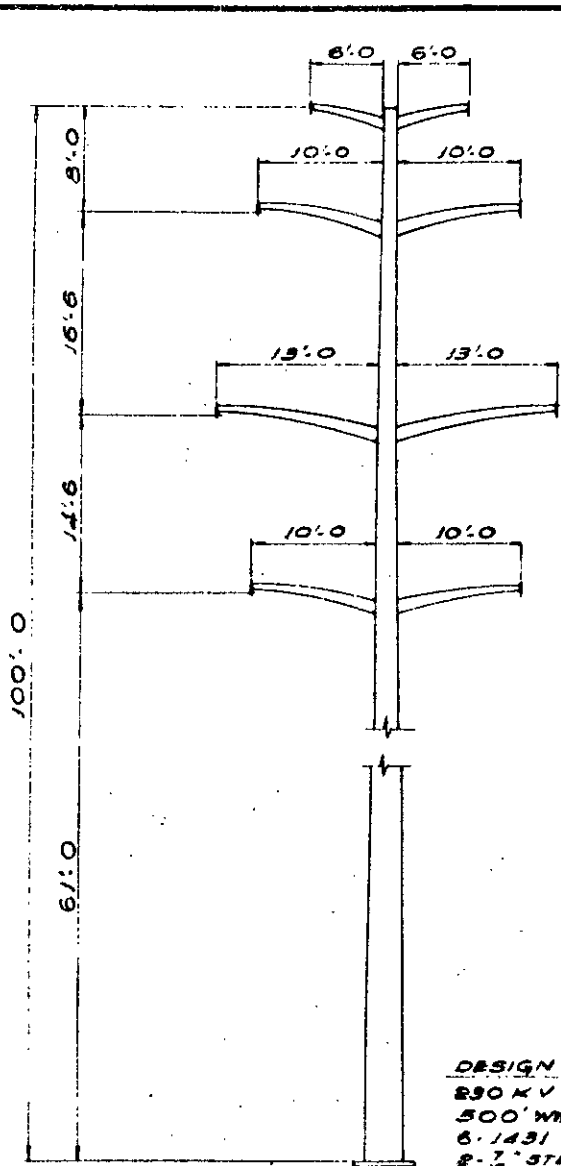
1966 B

RECORDED RIGHT OF WAY NO. 33219

CONCRETE  
 FOOTING  
 BY D. E. CO.

3 STEEL POLES FOR THE  
 YAN DYKE SUBSTATION FEED  
 1966 B

APPROVED	THE DETROIT EDISON COMPANY SYSTEM ENGINEERING DEPARTMENT	
<i>JFK</i>	LAYOUT BY <u>E. VAN FARRIS</u>	DRAWN BY <u>                    </u>
	DATE <u>11-24-80</u>	DRAWING NUMBER
	SCALE <u>                    </u>	<u>ED 1-9261</u>



**DESIGN CRITERIA**  
 230 KV TYPE 3C 5" TUBULAR POLE  
 500' WIND SPAN 600' VERT. SPAN  
 6-1431 MCM 48/7 ACSR @ 12,500 H.L.T. &  
 2-7" STEEL @ 5500 H.L.T.

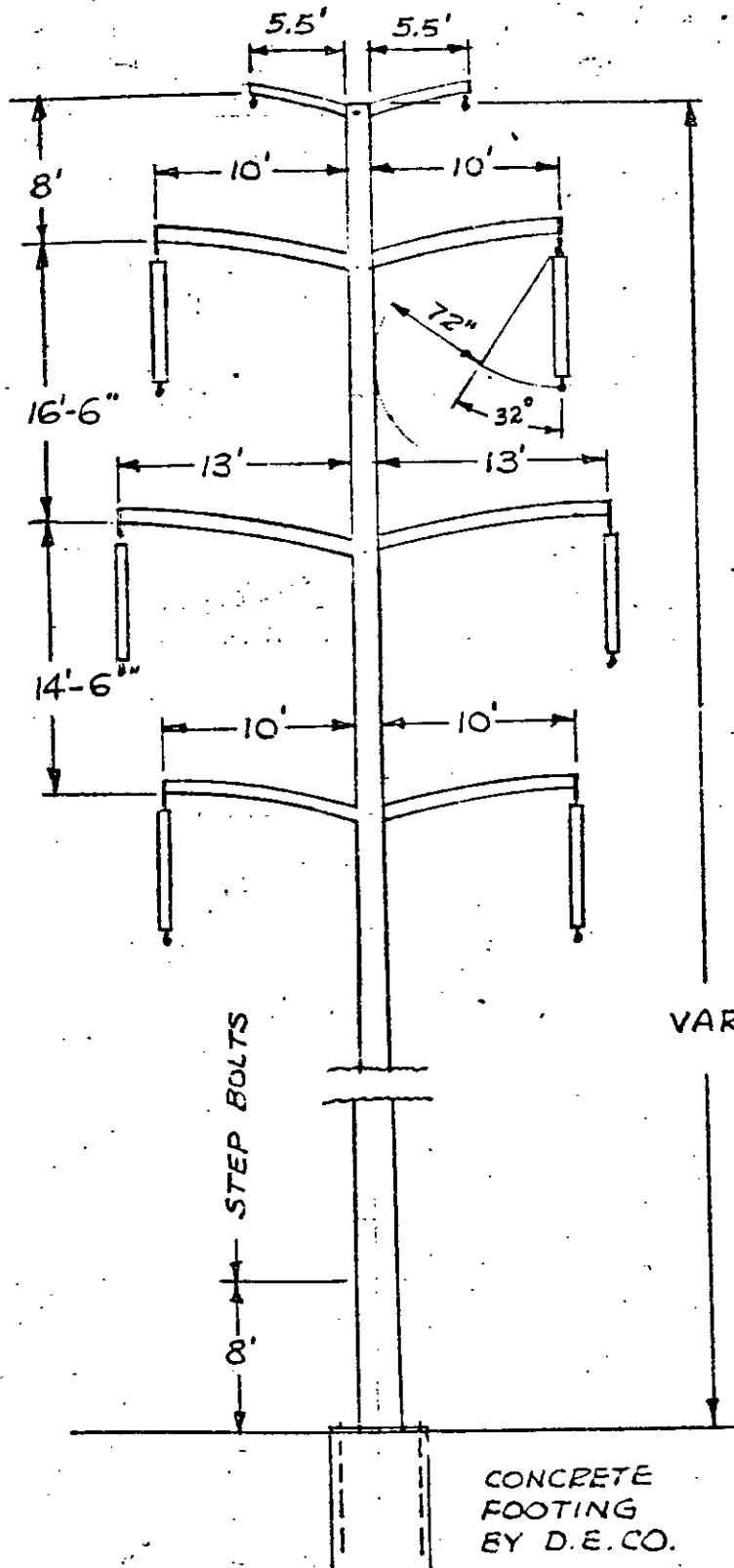
**DESIGN LOADING TREES**

**NOTE:**  
 ALL LOADS INCLUDE AN OVERLOAD FACTOR

230 KV TYPE 3C TUBULAR POLE		THE DETROIT EDISON COMPANY GENERAL ENGINEERING DEPARTMENT	
		LAYOUT BY	DRAWN BY KUCERA
DATE 12-21-72		DRAWING NUMBER ED2-8253	
SCALE N.T.S.			

31856 ON XVA TO UHIN DECOR

SPECIFICATIONS



1431 MCM 45/7 ACSR CONDUCTORS.  
 7/16" BETH. C 7-STRAND STEEL  
 GROUND WIRES.

SPAN LENGTH, LINE DEFLECTION  
 & WIRE TENSIONS AS SPECIFIED.

NESC GRADE B CONSTRUCTION.

ALL STEEL MEMBERS TO BE  
 GALVANIZED PER ASTM SPEC. A123.

R1 STEP BOLTS PER D.E.CO.  
 SPECIFICATION 466.

PROVISION TO BE MADE FOR  
 USE OF LADDERS ON OUTER END  
 OF CONDUCTOR CROSSARMS.

POLE HEIGHTS	POLE TYPES
105'	A2
115'	A3
115'	3C115
130'	A4

SPECIFICATIONS ABOVE  
 APPLY EXCEPT USE CORTEN  
STEEL.

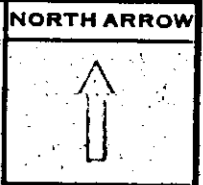
POLE HEIGHTS	POLE TYPES
115'	A7

RECORDED RIGHT OF WAY NO. 35816

REV. 1/16/70

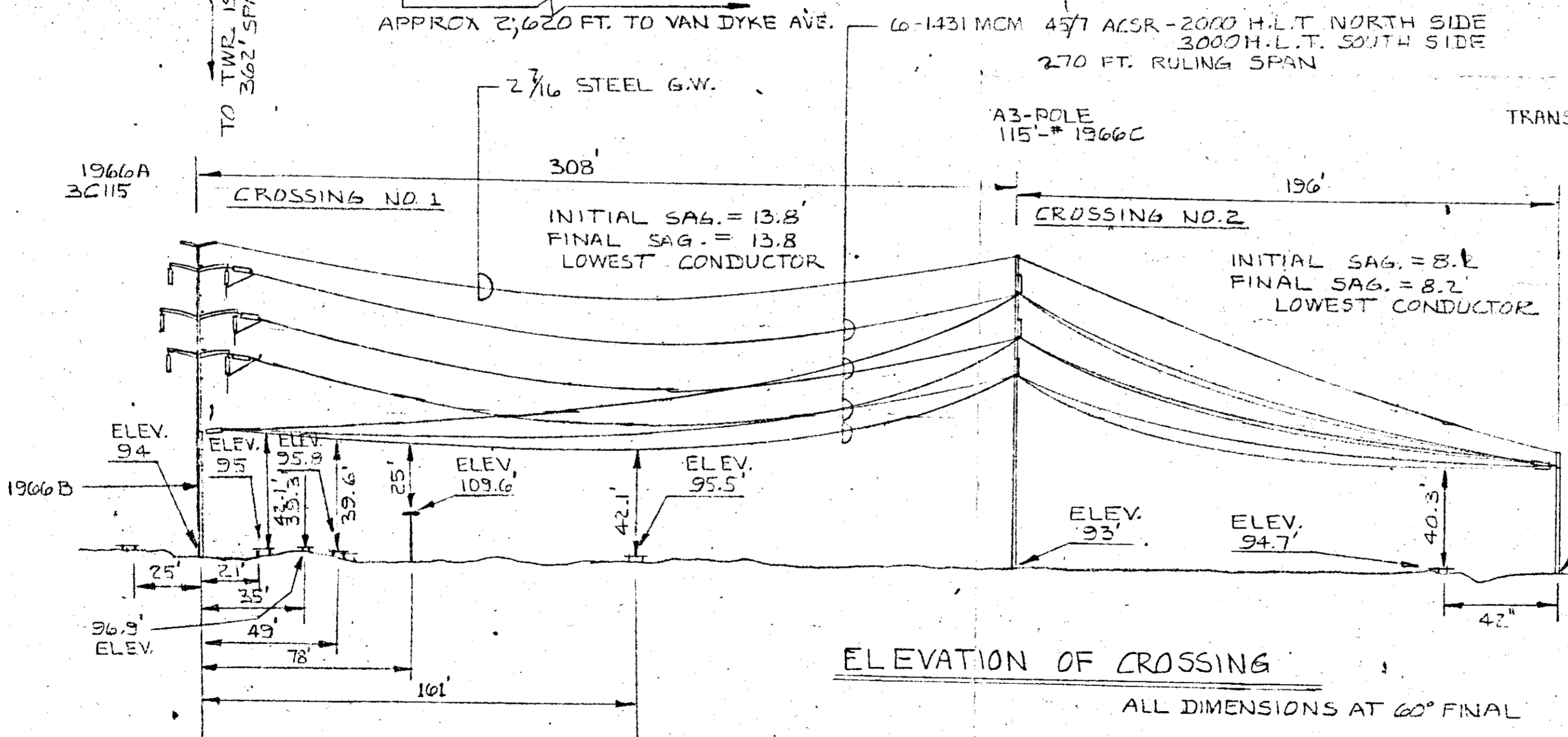
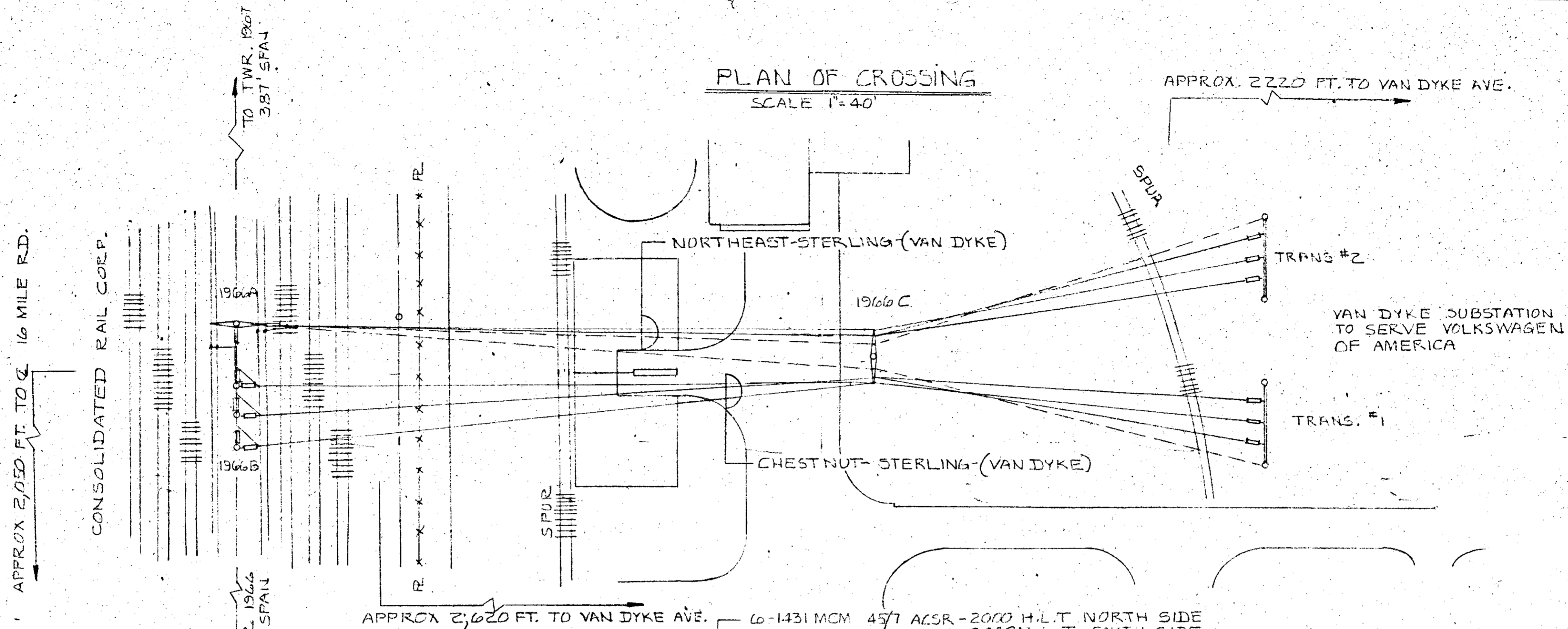
230KV DOUBLE CIRCUIT POLE

APPROVED <i>[Signature]</i>	THE DETROIT EDISON COMPANY GENERAL ENGINEERING DEPARTMENT	
<i>[Signature]</i>	LAYOUT BY HOWE	DRAWN BY
<i>[Signature]</i>	DATE 9/20/69	DRAWING NUMBER EDI-6931
	SCALE	



### PLAN OF CROSSING

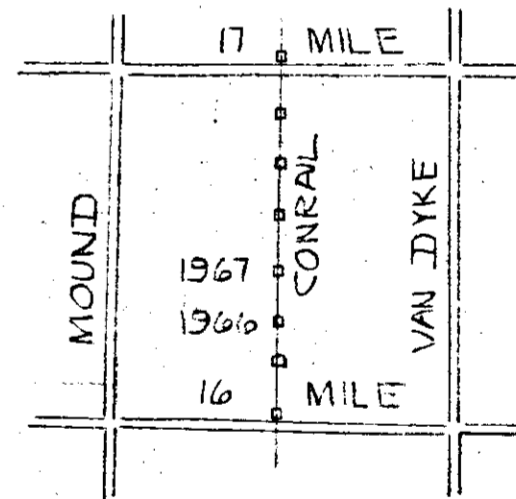
SCALE 1"=40'



### ELEVATION OF CROSSING

ALL DIMENSIONS AT 60° FINAL

SCALE 1"=40'



THE DETROIT EDISON COMPANY	
PLAN SUBMITTED TO MICHIGAN DEPT. OF TRANSPORTATION <del>MICHIGAN PUBLIC SERVICE COMMISSION</del>	
FOR 120 VOLT CROSSING OVER CONSOLIDATED RAIL CORP.	
DRAWN BY C. VAN PARIS	DATE 11-17-80
APPROVED BY <i>J. Howe</i>	DATE 11-19-80
PERMIT NO. <b>ED</b>	DRAWING NO. <b>RX-4333</b>

CITY STERLING HEIGHTS  
 COUNTY MACOMB  
 TOWNSHIP \_\_\_\_\_  
 SECTION NO. S.E. 1/4 21

RECORDED RIGHT OF WAY NO. 33816.