

OCT 10 1979

To: Records Center

From: Virginia L. Sinnott
Real Estate and Rights of Way Department

Subject: *C40 R.R. - RX 4313B - ~~transmission~~*
Crossing No. 1: Approx. 450ft So. of Plymouth & 2,170 ft W. of Southfield
Crossing No. 2: Approx. 500ft. So. of Plymouth & 2,900 ft. W of Southfield

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. & RW NO. 4	Update 10 Type	D.E.C.O. RECORDS CENTER FILE NO. 15	R.X. NO. OR MAP NO. 20	Facility 21	Agreement 22 Date 17
0 2	2 0 0 0 3 2	1 2		4 3 1 3 B	4	0 6 1 5 7 9
Payment Frequency 28	Rental 29	OH-UG Code 33	Division 34	County 35	City or Township 36	Section 45
X	X X X X X	1	2	13	DETROIT REDFORD	35

Location	
41	80
450 FT SO OF PLYMOUTH & 2170 FT W OF S O F I E L D	

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.

32657

Detroit

EDISON

2001 Second Avenue
Detroit, Michigan 48226
(313) 237-8000

June 15,

DO NOT WRITE IN THIS BOX		
Application No.	82000-32-79	
Permit No.	ME-315-RR-79	
Date of Issuance	6-23-79	
Fee Amount	waived	Date 6-23-79
Cash	Bill	By CLC

Mr. David Wilson, Acting
Utilities - Permits Engineer
Michigan Dept. of State
Highways & Transportation
P.O. Box 1226
18101 Nine Mile Road
Southfield, MI 48075

Gentlemen:

The Detroit Edison Company plans to construct, operate,
and maintain an overhead line in the City of Detroit,
Wayne County.

The line will cross the tracks of the Chesapeake & Ohio
Railway Company. The wires to be installed
are:

Crossing No. 1: Approximately 450' S of Plymouth Rd.
and approximately 2,170' W of Southfield Rd.

Crossing No. 2: Approximately 500' S of Plymouth Rd.
and approximately 2,900' W of Southfield Rd.

*Rec'd
23148
19077*

The railroad has given the following waiver of hearing:

- Waiver dated 5-25-79 enclosed (Letter attached)
- Blanket Waiver on file with the MPSC.

The proposed crossing is shown on drawing No. RX-4313B

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

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

Permit No. _____

Date _____

By David B. Wilson

District Utilities-Permits Engr.

Very truly yours,

Leslie G. Sundstrom
Leslie G. Sundstrom
Office Supervisor
Real Estate & Rights of Way
630 WCB

RECORDED RIGHT OF WAY NO. 32654

Detroit
Edison

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

May 8, 1979

Mr. J. W. Brent, Chief Engineer
The Chesapeake & Ohio Railway Co.
P.O. Box 1800
Huntington, W. Virginia 25718

RE: Temporary Crossing RX-4313B

Dear Mr. Brent:


We are requesting the temporary right of way for two (2) crossings of the Warren-Evergreen #1, 120 kV Transmission Circuit over the Chesapeake & Ohio Railway.

Crossing No. 1: Approximately 450' S of Plymouth Road and approximately 2,170' W of Southfield Road.

Crossing No. 2: Approximately 500' S of Plymouth Road and approximately 2,900' W of Southfield Road.

Both of these crossings are located in the City of Detroit, Redford Township, Wayne County. T1S, R10E, NE¼ of Section 35.

Sincerely,


Leslie G. Sundstrom
Office Supervisor
Real Estate & Rights of Way
Department
630 W.C.B.

LGS/yv

RECORDED RIGHT OF WAY NO. 326574

Engineering Department

May 25, 1979

File: 131-2-2929 BI/91



Operating Headquarters Building
P. O. Box 1800
Huntington, W. Va. 25718

The Detroit Edison Company
2000 Second Avenue
Detroit, Michigan 48226

Attention: Mr. Leslie G. Sundstrom, Office Supervisor
Real Estate and Right of Way Department

Gentlemen:

This refers to that certain agreement dated October 2, 1974, covering an aerial transmission line crossing Opp. Station 204 plus 50, Detroit Subdivision, Grand Rapids Division, (now called Michigan Division), at Detroit and Dearborn, Michigan, and to your recent request to temporarily relocate the said transmission line covered by the aforesaid agreement to Station 36 plus 76 and 46 plus 26, whereby the new facilities will consist of six (6) 477 MCM ACSR-120KV cond., and two (2) 7/16 inch steel ground wires, as shown on Licensee's Drawing No. RX-4313 B, dated December 14, 1977, revised March 22, 1979, attached hereto and made a part hereof.

This will constitute Railway's consent and approval of the said relocation in consideration for utility's agreement that said new facilities be subject to the terms and conditions of and covered by the aforesaid agreement as fully as though they had originally been described therein and covered thereby; it being understood and agreed that, except as hereby amended, said agreement shall continue unaltered and in full force and effect.

Please sign this letter-amendment, which is submitted in duplicate, in the space provided below, indicating acceptance of amendment, returning the original to the undersigned.

Very truly yours,

THE CHESAPEAKE AND OHIO RAILWAY COMPANY

By E. Q. Johnson
Chief Engineer

Letter-amendment acknowledged and agreed to this 15th day of June, 1979.

THE DETROIT EDISON COMPANY

By [Signature]
R-R. Tewksbury, Director Real Estate and Rights of Way Dept.
Its _____



The Chessie System railroads are the C&O, B&O, WM and affiliated lines. Chessie System, Inc. is the parent for the railroads, Chessie Resources, Inc., Western Pocahontas Corp. and The Greenbrier.

RECEIVED
CHESAPEAKE AND OHIO RAILWAY CO.
32654

DATA SHEET TO ACCOMPANY DRAWING RX-4313B TEMPORARY

Revision of Crossing Rx-4313A

Dated: 7/26/76

Name of Company

The Detroit Edison Company

Name and Location of Crossing

Crossing of the Warren-Evergreen #1 120 kV transmission circuit over the C & O Railroad.

Crossing No. 1: Approximately 450 feet south of Plymouth Road and approximately 2,170 feet west of Southfield Road.

Crossing No. 2: Approximately 500 feet south of Plymouth Road and approximately 2,900 feet west of Southfield Road.

All in the City of Detroit, Wayne County, Michigan, T.1S. - R.10E., northeast $\frac{1}{4}$ of Section 35, Redford Twp.

Circuits

One 120,000 volt, 60 cycle, 3 phase transmission line with two groundwires.

Towers and Crossarms

See attached drawings (B-13) Q/T+4/13, (TS-2) AD/T, (B-7) AC/T, (ED2-8353) 3L115.

Conductors

Six 477 Mcm 26/7 ACSR, with two 7/16" steel groundwires.

Insulators

120 kV Deadend Assembly - 9 O.B. 47410

120 kV Suspension Assembly - 8 O.B. 32440

Guy and Guy Attachments

None

Suspension and Deadend Details

See attached drawing ED1-8028 for 477 Mcm Deadend and Suspension Assembly.

RECORDED RIGHT OF WAY NO.

32654

INVESTIGATION
2. STRUCTURE TOWER Q

The tower has been investigated to support 7 circuits at 230KV in accordance with Grade "B" requirements of the NESC 3rd edition. Each existing 230KV circuit consists of 3 conductors of 795 MCM 267' ACSR and 1 ground wire 1/2" dia (aluminum) galvanized steel. For both circuits, each new 230KV circuit consists of 3 conductors of 2 1/2" dia 157' ACSR and ground wire of 7/8" dia steel having span length of 600' and the following tensions.

- A) Conductor 8000' TENS
- Ground Wire 3500' TENS
- B) Conductor 5000' TENS
- Ground Wire 2000' TENS
- C) Conductor 2000' TENS
- Ground Wire 500' TENS

Loading conditions investigated (1/2" ice + W wind, 1000)

1. One existing 230KV circuit and one 230KV circuit in place (for tensions A, B & C cases)
2. One 230KV circuit in place (for tensions A, B & C case)
3. Two 230KV circuits in place and a low radial line of 6000' at any one conductor support with line angle of 11°
4. 6000' at any one conductor support with line angle of 11°
5. 6000' at any one conductor support with line angle of 11°
6. 6000' at any one conductor support with line angle of 11°

Replace the tower when the line angles at 3 tension stations are above values.

NOTES

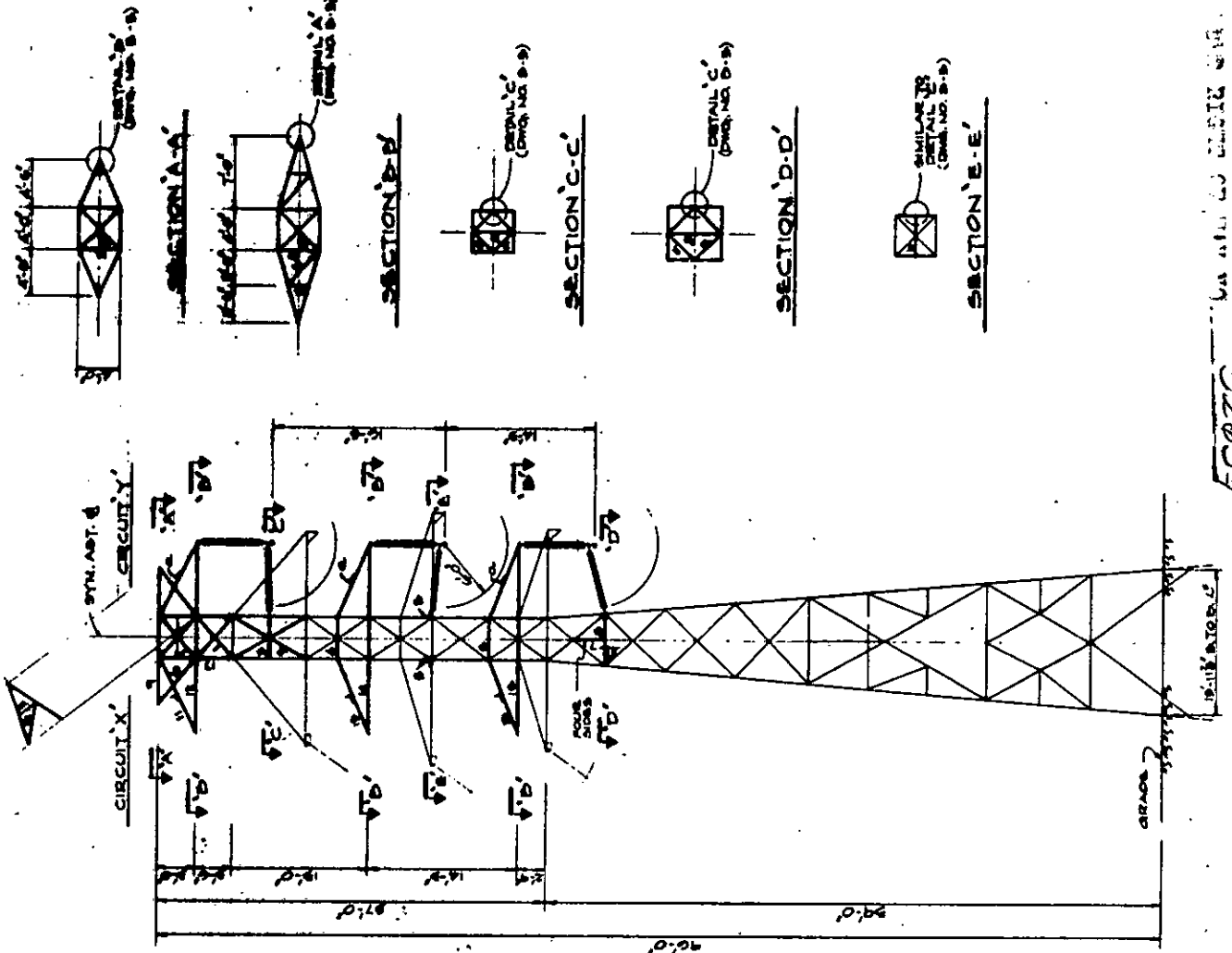
1. ALL NEW MEMBERS SHALL BE HOT DIPPED GALVANIZED ASTM A-36 STEEL.
2. ALL BOLTS SHALL BE ASTM A-307.
3. ANY BOLTS DRILLED ON EXISTING MEMBERS SHALL BE TOUCHED UP WITH GALVANIZY.
4. HORIZONTAL CROSS-ARM MEMBERS FOR CONDUCTOR SUPPORT SHOULD BE DETAILLED AS 3-MEMBER ARMS WITH ANGLE LEGS TOED DOWN.
5. NEW MARK NUMBERS TO BE PREFIXED BY "Q" AND SUFFIXED BY "T" (EXAMPLE: Q15T).
6. PORTIONS OF EXISTING CROSSARMS WITHIN CAGE TO REMAIN.

CONNECTIONS

1. Install members 2, 3, 4, 5, 6, 7, 8.
2. Remove existing circuit "T" on ground wire.
3. Run off existing arm and hangers on "T" side of tower.
4. Remove bottom and middle arm area on "T" side of the tower.
5. If the tower has one static wire, remove existing peak.
6. If the tower has two static wires, remove existing static wire and hangers.
7. Install new wire, peak and top arm on both sides.
8. Ground and install accessories for ground wire and conductors on "T" side of the tower.
9. Remove existing circuits on "T" side of tower.
10. Install new bottom and middle arms on "T" side of tower.
11. Install overhead devices and string ground wire and conductors on "T" side of tower.

MEMBER SCHEDULE

MEMBER NO.	MEMBER SIZE	% OF TOTAL WEIGHT
1	1 1/2" x 1 1/2" x 1/2" L	2
2	2 1/2" x 2 1/2" x 1/2" L	2
3	2 1/2" x 2 1/2" x 1/2" L	2
4	1 1/2" x 1 1/2" x 1/2" L	2
5	2 1/2" x 2 1/2" x 1/2" L	2
6	1 1/2" x 1 1/2" x 1/2" L	2
7	1 1/2" x 1 1/2" x 1/2" L	2
8	2 1/2" x 2 1/2" x 1/2" L	2
9	2 1/2" x 2 1/2" x 1/2" L	4
10	2 1/2" x 2 1/2" x 1/2" L	2
11	1 1/2" x 1 1/2" x 1/2" L	2
12	2 1/2" x 2 1/2" x 1/2" L	4
13	1 1/2" x 1 1/2" x 1/2" L	2
14	2 1/2" x 2 1/2" x 1/2" L	2
15	1 1/2" x 1 1/2" x 1/2" L	2
16	2 1/2" x 2 1/2" x 1/2" L	4
17	2 1/2" x 2 1/2" x 1/2" L	4
18	1 1/2" x 1 1/2" x 1/2" L	1
19	1 1/2" x 1 1/2" x 1/2" L	1

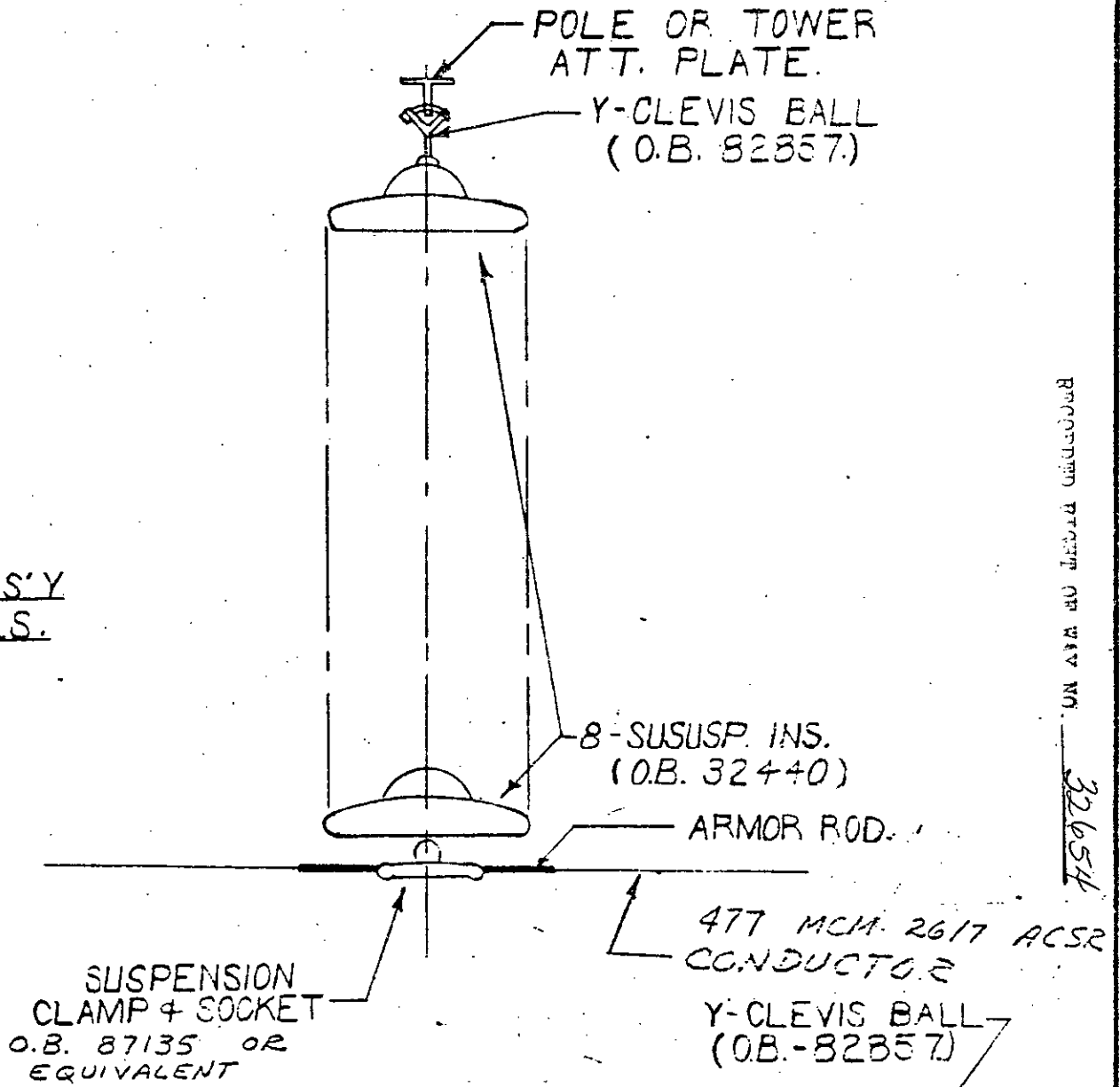


120 KV SUSPENSION TOWER Q
230 KV CONVERSION
STRUCTURAL - INVESTIGATION
THE DETROIT EDISON COMPANY

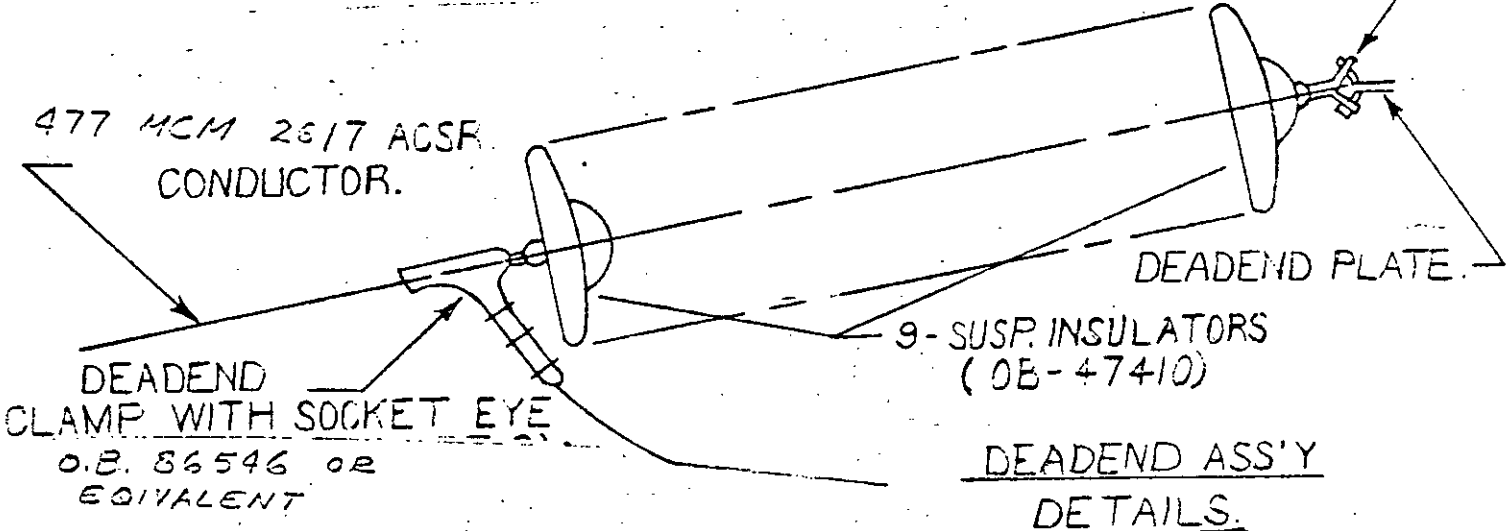
SCALE: 1" = 10'
 DRAWN BY: R. J. POLSKI
 DATE: 11-28-71
 CHECKED BY: J. R. K...
 APPROVED BY: J. R. K...
 SO. NO. 4401
 SARGENT & LUNDY ENGINEERS
 CHICAGO, ILLINOIS
 DRAWING NO. B-12

32654

SUSP. ASS'Y
DETAILS.



RECORDED FROM OR WAY NO. 32654

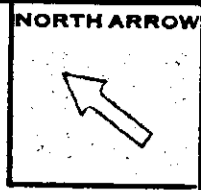


DEADEND ASS'Y
DETAILS.

120 KV SUSPENSION & DEADEND ASSEMBLY DETAILS

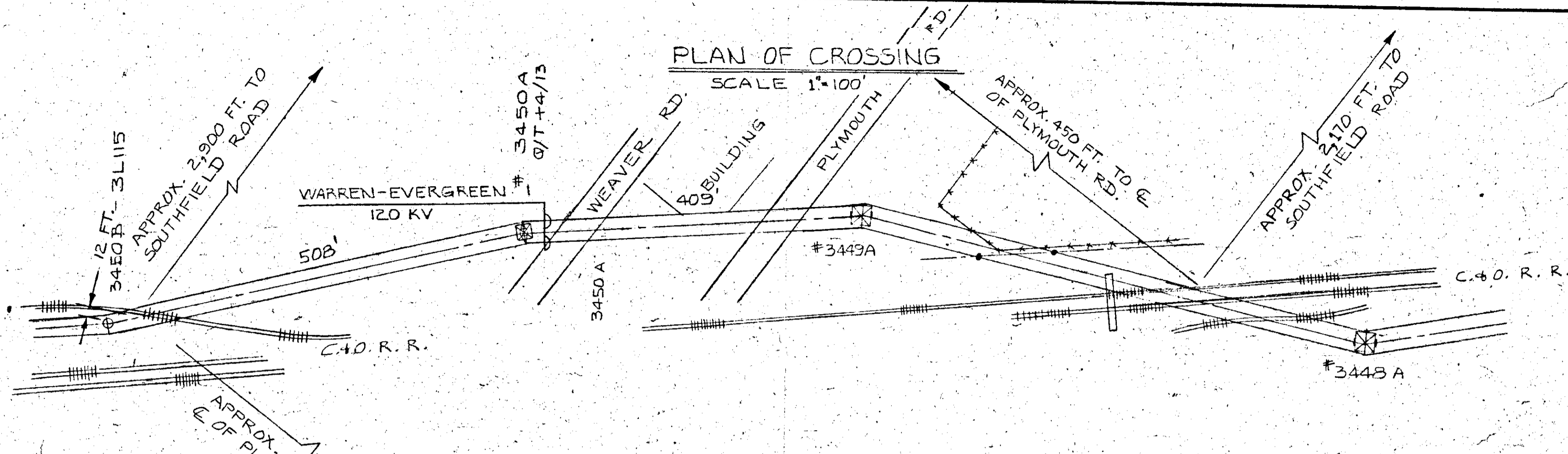
APPROVED	THE DETROIT EDISON COMPANY GENERAL ENGINEERING DEPARTMENT	
	LAYOUT BY RGS.	DRAWN BY N.H.H.
	DATE 4-2-70.	EDI-3028
	SCALE	

RECORDED RIGHT OF WAY NO. 32654



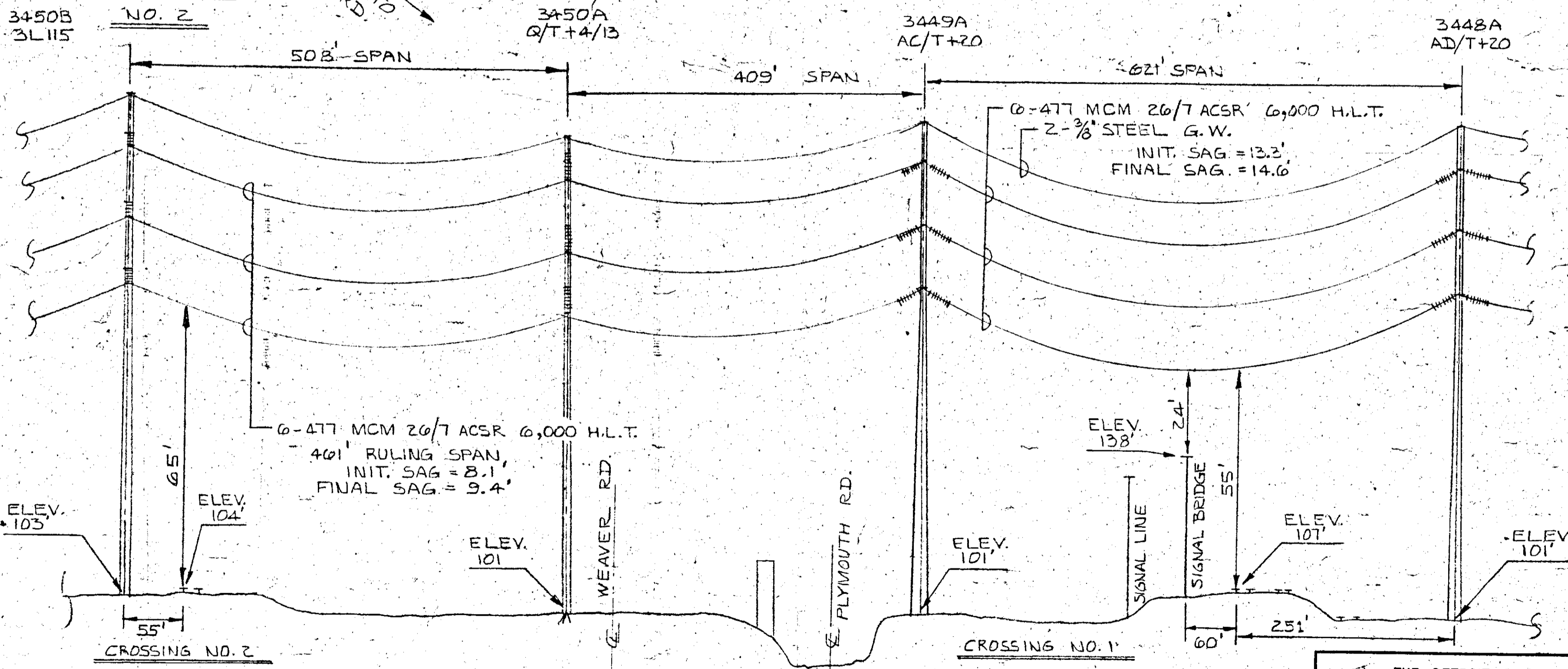
PLAN OF CROSSING

SCALE 1"=100'



CROSSING NO. 2

CROSSING NO. 1



ELEVATION OF CROSSING

SCALE: HOR. 1"=100'
VERT. 1"=20'

ALL DIMENSIONS AT 60°F FINAL

REVISED
3-22-79 CVP

CITY DETROIT
COUNTY WAYNE
TOWNSHIP T. 15 - R. 10 E.
REDFORD
SECTION NO. N.E. 1/4 SEC. 35

THE DETROIT EDISON COMPANY	
PLAN SUBMITTED TO	
MICHIGAN PUBLIC SERVICE COMMISSION	
FOR TWO-120,000 VOLT CROSSINGS	
OVER C.&D. RAILROAD	
DRAWN BY <u>G. VAN PARIS</u>	DATE <u>12-14-77</u>
APPROVED BY <u>J. Howe</u>	DATE <u>12-16-77</u>
PERMIT NO.	DRAWING NO.
ED	RX-4313B

RECORDED RIGHT OF WAY NO. 32654

RECORDED RIGHT OF WAY NO. 32654

32654