

Detroit Edison

To: Records Center

February 1, 1990

From: Brenda L. Golson
Real Estate and Rights of Way ~~XXXXXXXXXX~~

Subject: Grand Trunk Western Railroad Company, BM 0660, RX 864D
Northwest 1/4 of Section 1, Hall Road approximately 1/2
Mile West of Gratiot, Clinton Township, 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. & RW NO. 9	Update 10 Type	D.E.C.O. RECORDS CENTER FILE NO. 15	R.X. NO. OR MAP NO. 20	Facility 21	Agreement 22 Date 23
07	B71157	2		864D	1	012590
Payment Frequency 28	Rental 29	OH-UG 34 Code	Division 35	County 36	City or Township 38	Section 45
-	- - - - -	1	3	06	CLINTON	01

Location 47										50																	
H	A	L	L	R	O	A	D	-	1	/	2	M	I	L	E	W	O	F	G	R	A	T	I	O	T		

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

~~The Accounts Payable Department is requested to start or change
the new pay schedule effective~~

Approved: 
Thomas Wilson, Real Estate Associate
cc: Accounts Payable
 Service Planning B. Amo
 System Engineering
 Transmission & Distribution

RECORDED RIGHT OF WAY NO. 34636 P285



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

January 18, 1990

RECORDED RIGHT OF WAY NO. 34636
P285

W. La Masters
Engineer of Surveys and Construction
Grand Trunk Western Railroad Company
1333 Brewery Park Boulevard
Detroit, MI 48207-2699

Re: Wire Crossing Notification

Dear Mr. LaMasters:

This letter is your notice of the planned reconstruction of an overhead wire crossing over your railroad tracks within the Hall Road public right of way, by The Detroit Edison Company, in the Northwest Quarter of Section 1, Clinton Township, Macomb County, Michigan.

1. Location: Approximately 1/2 mile west of Gratiot
2. Edison Project & Crossing Nos.: BM 0660 and RX 864D
3. This is a reconstruction of an existing crossing.
4. Please indicate your:
R.R. Valuation Station No. _____
R.R. Mile Post No. 1,850' north of No. 24
Requirements for Flagman or Inspection _____

All construction will be done in accordance with specifications of the Michigan Public Service Commission and all applicable codes and laws.

In the event you do not acknowledge receipt of this letter within 45 days of the above date, our crews will be instructed to begin work.

Please contact Brenda L. Golson our Real Estate Coordination Specialist, Railroads on (313) 237-8316 if you have any questions.

Sincerely,

Thomas Wilson
Real Estate Associate

ACCEPTED:

DATE _____

TW/blg
attachments
cc: B. Amo

Return to

DETROIT EDISON CO,

2000 Second Ave
Detroit, MI 48226

ATTN: Brenda L. Golsan
Real Estate

Office of Engineer, Surveys & Construction
Detroit, Michigan

Date:

File:

Application for Wire Crossing No: 2785

Name of Applicant: Detroit Edison Co.

Letter Dated: 1-18-90

Applicant's Plan No. RX864D

Date: 01-25-90

Location: Mt. Clemens

Mile Post: 24.35

Subdivision: Mt. Clemens

Brief description of proposed crossing or encroachment:

- Three - 1/0, Copper 40 KV Wires
- Three - 350, B, 13.2# KV Wires
- One - 1/0, ACSR, Neutral Wire
- One - 3/8" Steel Shield Wire

On or over Railroad property, in Street or Private Property:

In Hall Road (M-59)

Remarks and Recommendations:

No objection to proposed reconstruction. Covered by existing license. NO LICENSE FOUND.

W. J. Masters
W. J. Masters
Engineer, Surveys & Construction

Approval:

L. D. Brown
Engineer, Communications

J. Q. Anders
Chief Engineer File: J 22-16

A. H. Callenwaert
* Director, Industrial and Resource Development

* Please return Approved Copy to
Office of Engineer
Surveys & Construction

RECORDED RIGHT OF WAY NO. 34636 P285

Railroad Crossing Application - Overhead

Please Print

Railroad Name GRAND TRUNK WESTERN R.R.				Department Order B-71157	
Revision From RX No. (Available From Record Center (Ext. 78498)) 864C		New RX No. or R/W No. 864D		Spans 1	
Location: City/Township CLINTON		Town Range T-2N R-13E		County MACOMB	¼ Section N.W. ¼
Section 1					
Location Description HALL RD APPROX 1/2 MI. WEST OF GRATIOT					

This Crossing:
 Is within the public road right-of-way or Is on railroad property Provides service to the railroad (If yes, check box)

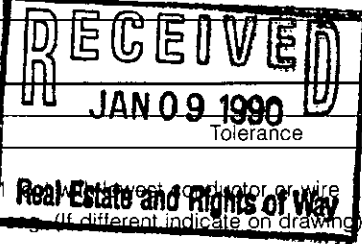
Crossing Data

Detailed On Attached Drawing

Railroad Mile Post (Number) 24		State Permit No. Existing		Date 1-5-90		Distance to Crossing from Mile Post (in feet) 1850' SOUTH Ft.							
Existing				Proposed									
Type of Structure <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Steel				Type of Structure <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Steel									
Conductors				Conductors									
Poles				Poles									
Span.	No. Size	Kind	Voltage	Location	Length	Class	Span.	No. Size	Kind	Voltage	Location	Length	Class
BC	1-3/8"	STEEL	SHIELD	A	55'	2	BC	1-3/8"	STEEL	SHIELD	A	50'	2
BC	3-1/0	COP.	40KV	B	80'	1	BC	3-1/0	COP.	40KV	B	80'	1
BC	3-#2	COP.	4.8KV	C	80'	1	BC	3-350	B.	13.2KV	C	80'	1
BC	2-#8	COP.	SYS. COMM.	D	60'	2	BC	1-1/0	ACSR	SYS. NEUT.	D	60'	2
				E	30'	5					E	30'	5

RECORDED RIGHT OF WAY NO. 34636-1285-

Summary of Line Changes (continue on separate sheet if necessary)
SPAN BC - REPLACE PRI. CONDUCTOR & INSTALL SYS NEUT. REMOVE SYS. COMM.



Nearest Obstruction at 60° angle	Clearances		Height
	From Top of Rail to Nearest Wire		34.5 Ft.
	Railroad Communication or Signal Lines		Ft.

* Materials shall be as noted in the current revision of Detroit Edison's General Specifications for Overhead Line Construction at Railroad Crossings.
 Actual field dimension may vary from those indicated. However, the clearances shall be in compliance with the current revisions of Order Nos. 1679 and 1868 of Michigan Public Service Commission.

Designed By B. AMO	Date 1-5-90	Checked By R. FRENCH	Date 1-5-90
Company Location 127 MDHO	Phone No. 2869447	System Engineering (555 G.O., Ext. 78464)	

N

A-65746
CLN-8

HALL RD. (M-57)

48'

IN 33'-6" Po.

IN #2 DIST. to SURV
SIGNAL FOR R.R. ROAD
CROSSING

RECORDED RIGHT OF WAY NO

34636
1285

CLN-8

LEGEND		THE DETROIT EDISON COMPANY OVERHEAD LINES DEPARTMENT			
○	FOREIGN POLE	TOWNSHIP	COUNTY	TWP. SECT. NO.	DEPT. ORDER NO.
○	EXIST D.E. CO. POLE	CLINTON			A-65746
●	PROPOSED POLE	MAP SECT.	TOWN	RANGE	JOINT R/W REQUIRED
○	EXIST ANCHOR	CLN-8			YES <input type="checkbox"/> NO <input type="checkbox"/>
○	PROPOSED ANCHOR	M.E.T. ENGINEER	M.E.T. DISTRICT		G.P.W. S.C. OR P.E. NO.
○	TREE	CIRCUIT	D.C. 382 SU+TON		PART OR FOR NO.
○	120/240 VOLT LINE	REASON	SERVE SIGNAL AT R.R. CROSSING		BUDGET ITEM NO.
○	4800 VOLT LINE	SCALE	STAKED	PAVED	INQUIRY NO.
○	15,200 VOLT LINE	ESTIMATOR	Joe Folske		599
○	24,000 VOLT LINE	G.M.L. DISTRICT	MACOMB		DATE
○	40,000 VOLT LINE				5-8-63

TO Messrs. Ealden, Nlyte and Cartall

DATE 1-28-53

TIME

Permit RD-6-1150 dated 1-22-53 has been received, cross over The Grand Trunk
Northern Railroad, located at a point in Hill St., approx. 1/2 mile west of Gratiot,
City of Mt. Clemens, Clinton Township, Macomb County. Work to be done according
to specifications as shown on XL-5012 and completed within 90 days.

COPIES TO
REPORT

SIGNED J. W. Drumm (bh)

DATE RETURNED

TIME

SIGNED

RECORDED RIGHT OF WAY NO. 34636
P285

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE
DETROIT 26, MICHIGAN

April 16, 1964

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 Grand Trunk Western Railroad approximately two miles north of the north limits of the City of St. Clairsville in the NW 1/4 of Section 1, Clinton Township T-24, R-13E, Macomb County, Michigan.

One 1/5" galvanized "B" steel shield wire, three #0 BC - 40,000 volt wires, three #1 WEX - 4800 volt wires and two #8 BC system communication wires over the tracks of the G.T.W.R.A. located in Hall Road at a point approximately 1/2 mile west of Gratiot Avenue (U.S.-25).

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.
- 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. ~~ED2-9-3150~~ dated 1-22-63.
- This is a new crossing.

Reference number of construction drawing is RX- 3642.

GTWER Waiver of Hearing
dated 4-15-64 attached.
Their File: 4730-4-73

Permit No. ED2-8-5302

Date 4-17-64

By F. M. Hoppe

Yours very truly,

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

RECORDED RIGHT OF WAY NO. 34636
P285

LINE CROSSING OVER GRAND TRUNK WESTERN R.R.
 HALL RD. APPROX. 1/2 MI. W. OF GRATIOT AVE. (1525)

EX PERMIT NUMBERED 2-8-3150
 2 MI. NORTH OF THE NORTH
 LIMITS OF THE CITY OF MTCLEMENS

RX 864 C

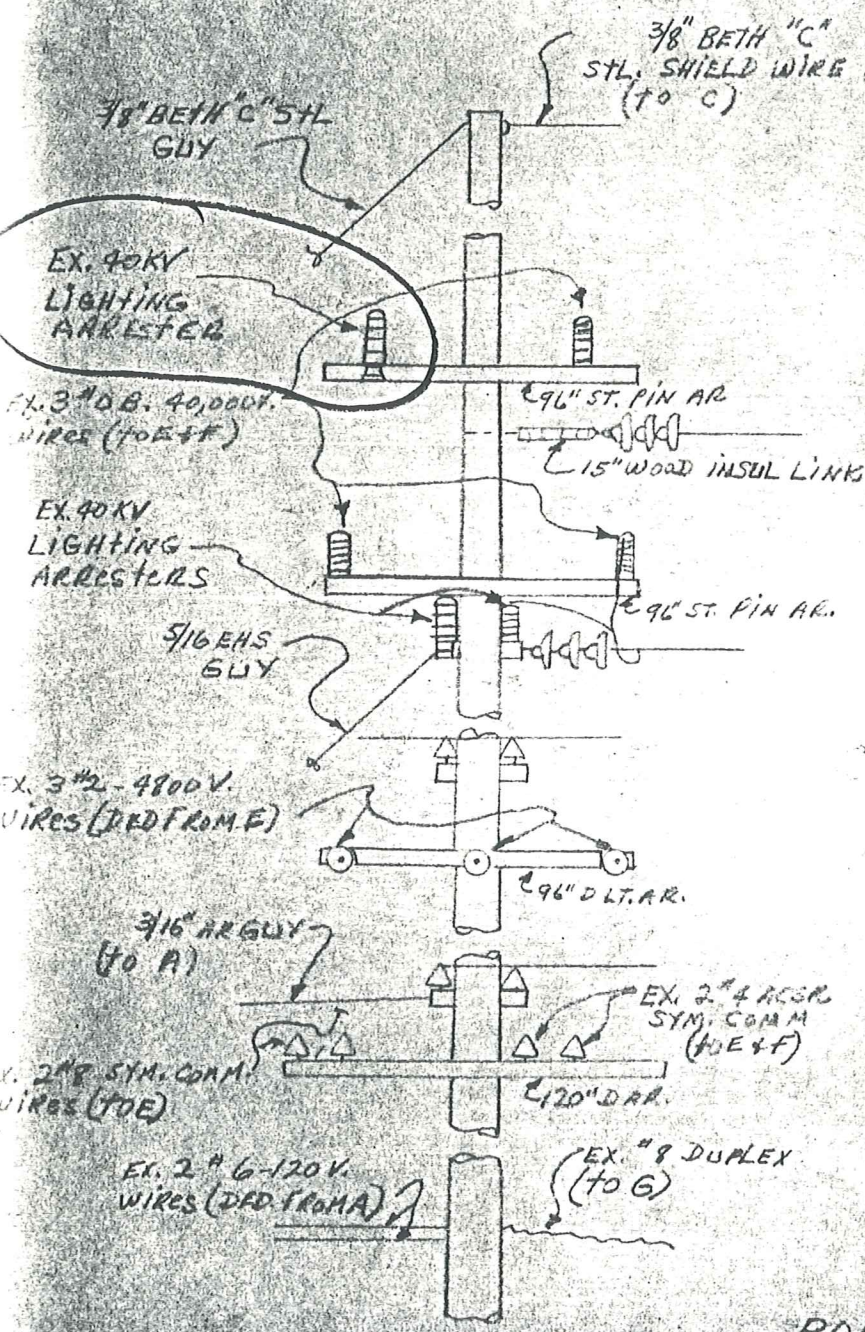
ct. 1-NW1/4 TWP. CLINTON + 2N R13E Co. MACOMB

Date 6-5-64

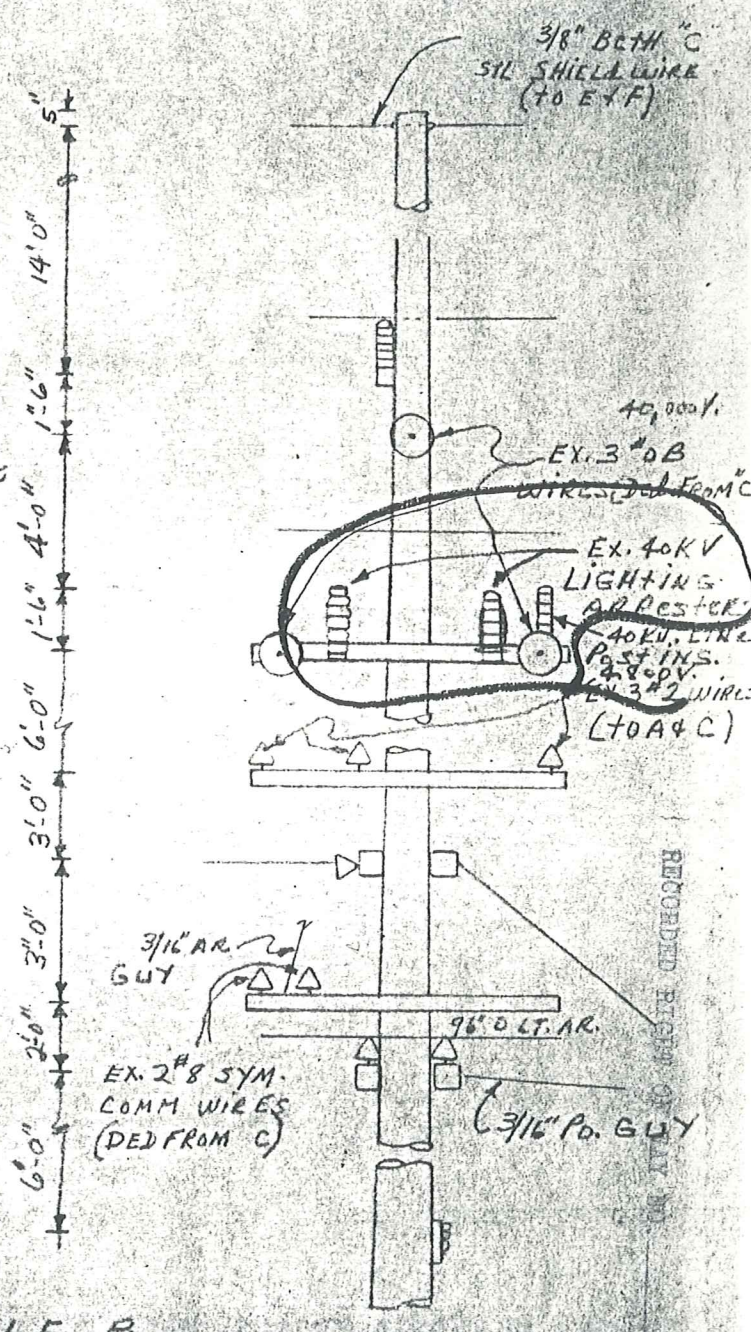
H. GEPPERT GEN. ENG.

ESTIMATOR J. FOLSKE

D.H.L. MT. CLEMENS



LOOKING NORTH



LOOKING WEST

POLE B

RECORDED FROM PHOTO

O.H. Railroad Crossing Permit

DE 963-3866 6-03 A (15.22)

DO B-71157 RX 864 D

Proposed Line Crossing Over GRAND TRUNK WESTERN R.R. Existing Permit Number _____

In HALL RD APPROX 1/2 MI. WEST OF GRATIOT

City of _____

Section 1 - NW 1/4 Township CLINTON T 2N R 13E County MACOMB

Refer to Section 12 of Overhead Lines Construction Standards for minimum clearance chart. The Railroad Permit Application (DE 963-6064) shall be submitted along with this velium.

Span	Span Length	Lowest Conductor Over R.R. Tracks	Stringing Sag At 60°F	Sag Table	Rule Span	Final Sag Ratio
B-C	123'	1# <u>0ACSR</u>	18"	1-140 AA	150'	1.19

Designed By R. AMO Division MACOMB
 Checked By T. FRENCH Date _____

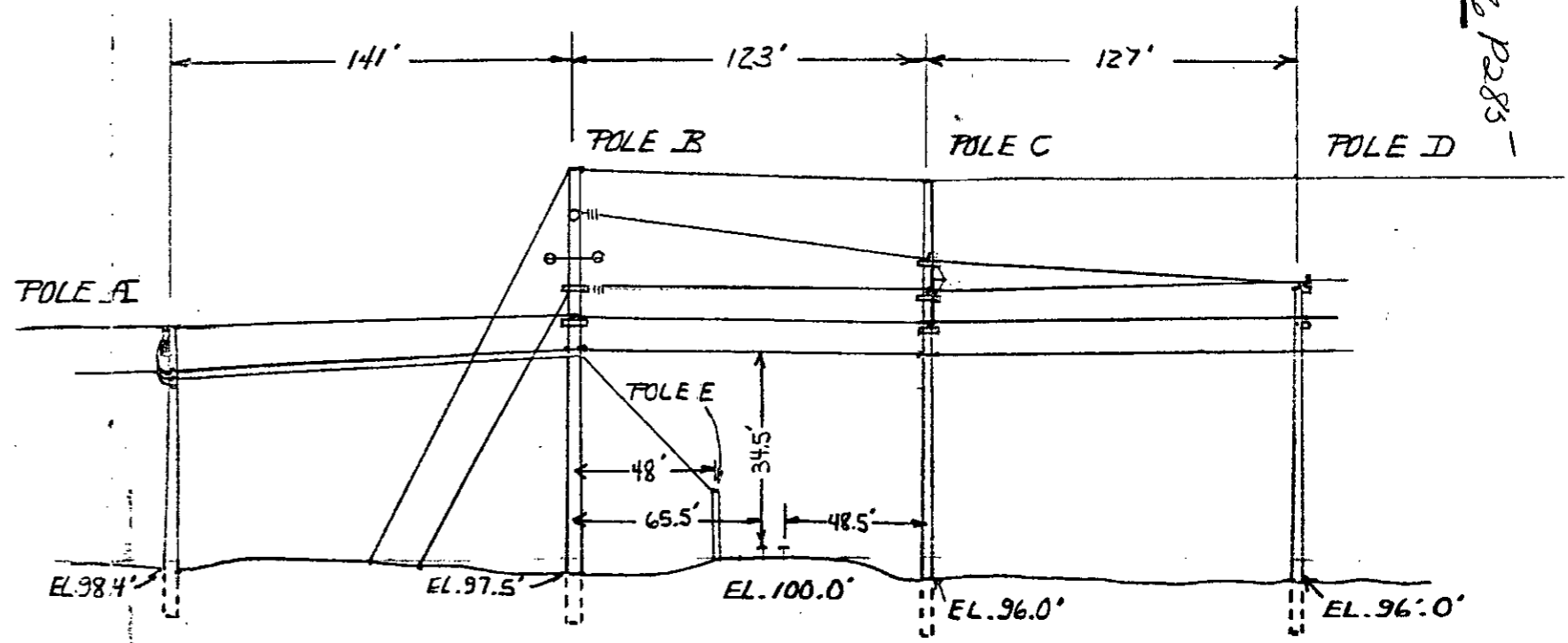
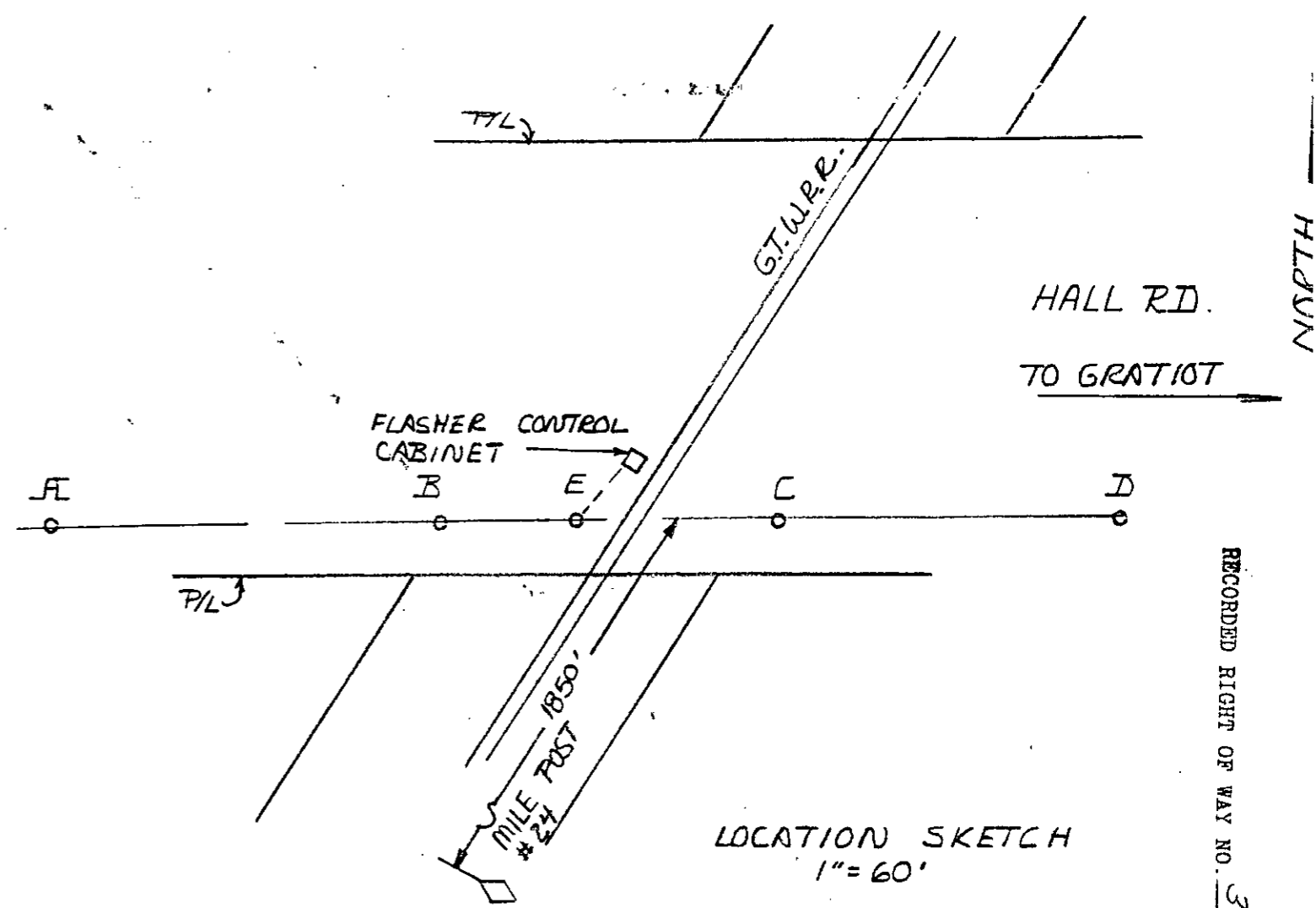
CONSTRUCTION SUMMARY

POLE A - 50'2 SET 7'
 DET. 13X30 1G. (13.2KV)
 XFMR DET. 1724 B
 DET. 605A (\$45. NEUT)

POLE D - 60'2 SET 8'
 DET. 1947 (40KV)
 DET. 13X30 1G (13.2KV)
 DET. 605 A (\$45. NEUT)

POLE B - 80'1 SET 10'
 DET. 1913 (40KV)
 DET. 13X38 1G. (13.2KV)
 DET. 702C BK TO BK (\$45. NEUT.)

POLE C - 80'1 SET 10'
 DET. 1903 (40KV)
 DET. 13X38 1G (13.2KV)
 DET. 702C BK TO BK (\$45. NEUT.)



ELEVATION LOOKING NORTH

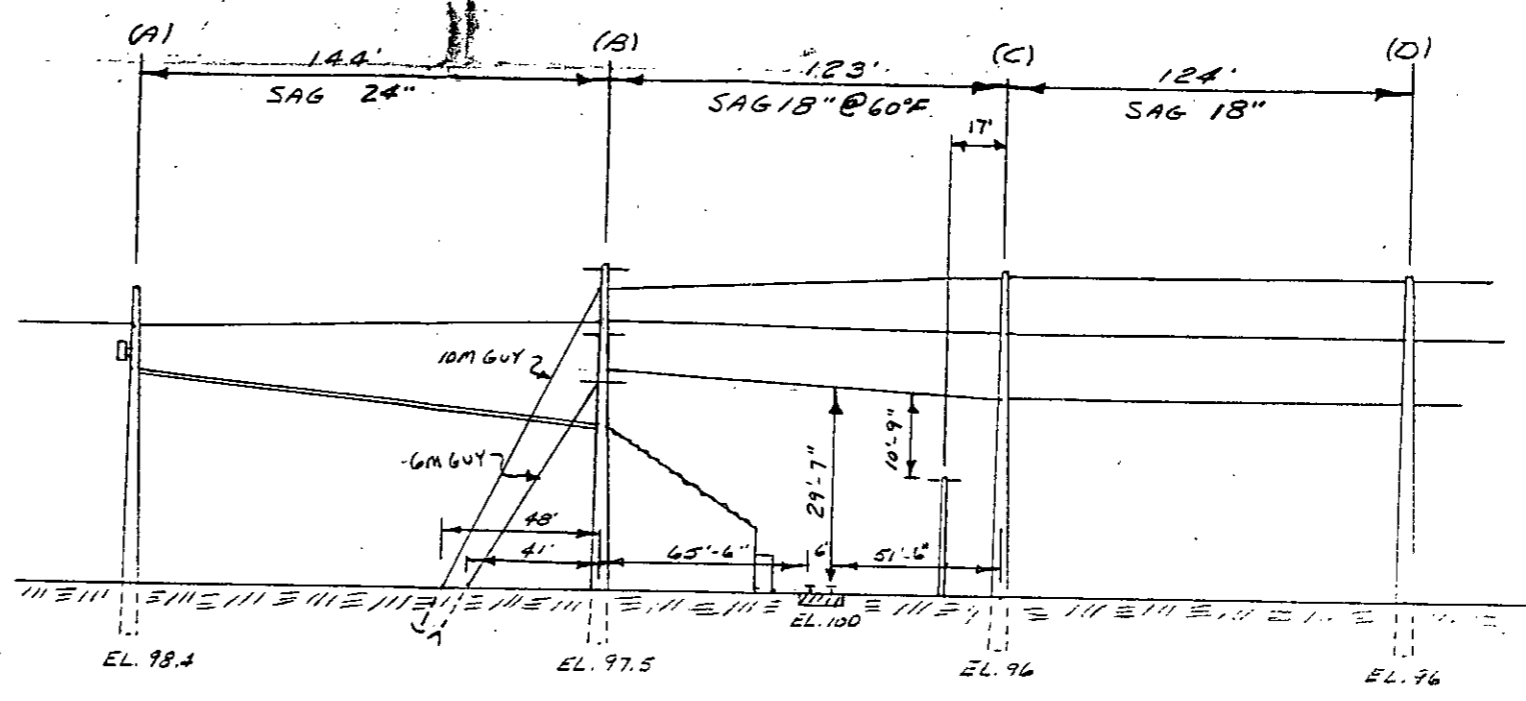
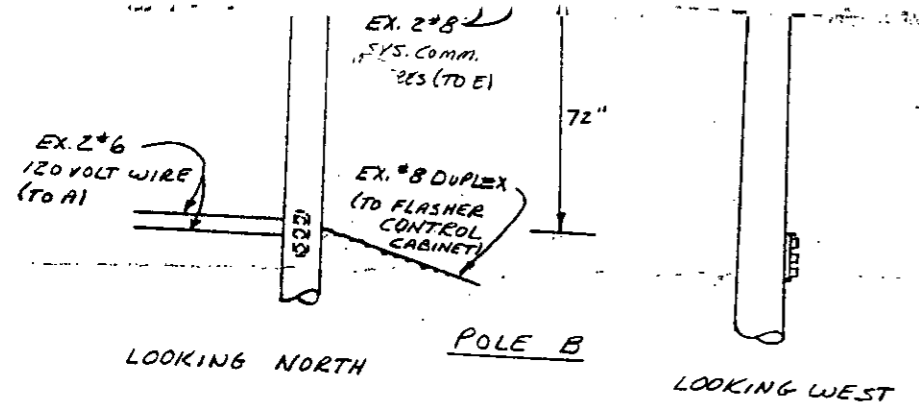
SCALE
 1"=60' HORIZ.
 1"=30' VERT.

RECORDED RIGHT OF WAY NO. 34636 P285

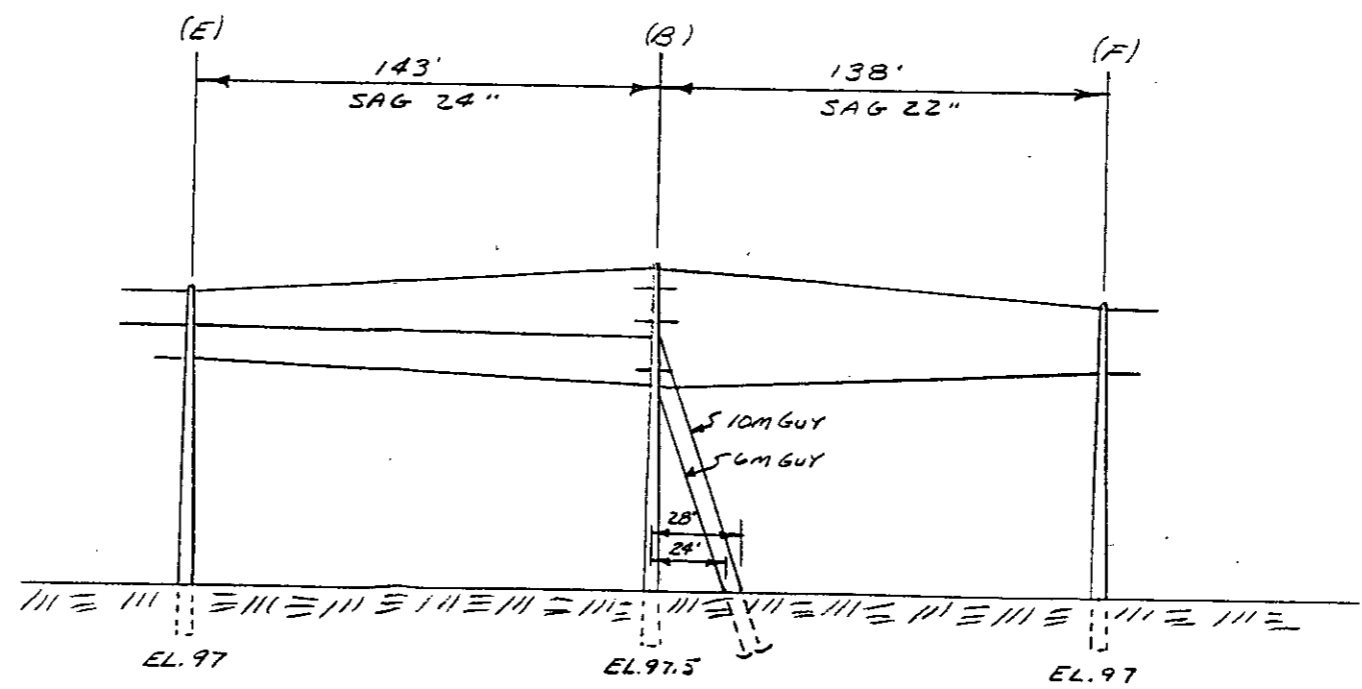
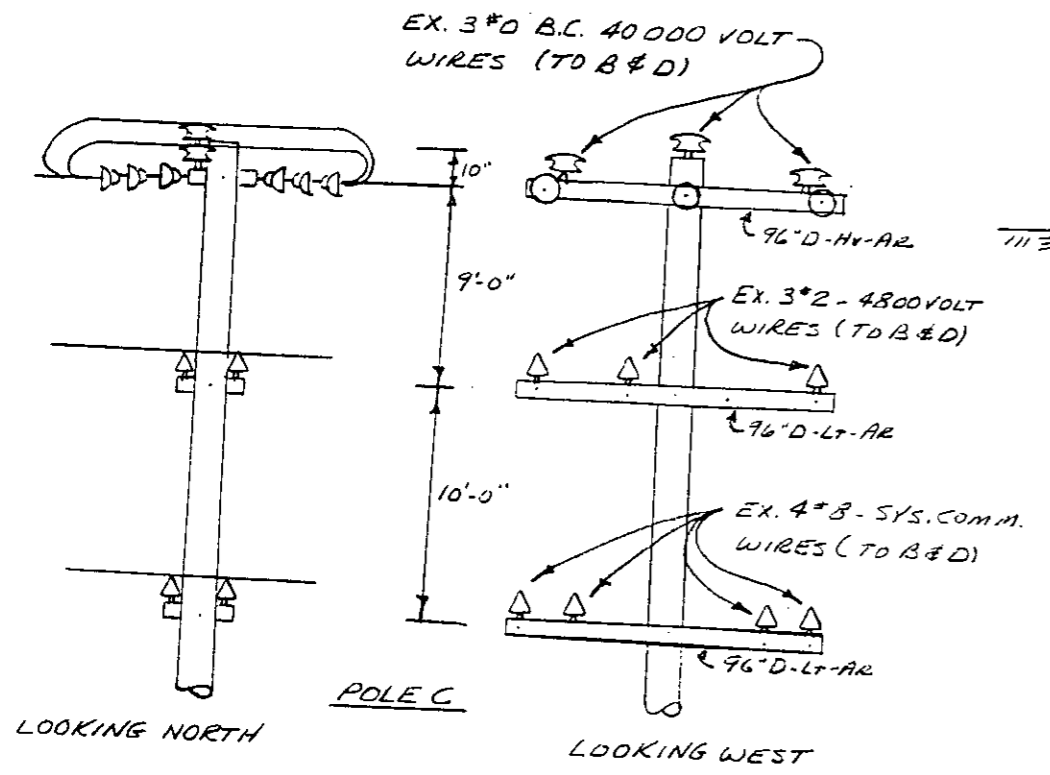
HALL RD. NORTH

AND 4*8 SYSTEM COMMUNICATION WIRES.

RECORDED RIGHT OF WAY NO. 34636
P285



ELEVATION LOOKING NORTH



ELEVATION LOOKING WEST

RX-864

2/523
861

Pole B

80'	
10	at
<u>70.6</u>	
35.4	wire
<u>44.6</u>	
2.5	slw.
<u>42.1</u>	

Pole C

80'	42.9
10	<u>39.5</u>
78.10	2.6
36.5	
<u>43.5</u>	
4	
<u>39.5</u>	

diff = 2.6 span 123

sag = 1.6'

proportion of span = .394

proportion of sag = .957

portion of diff. = 2.6 x .394 = 1.03

portion of sag = 1.6 x .957 = 1.58

from pole C	39.5
	+ 1.03
	<u>40.53</u>
	1.58
	<u>38.95</u>

RECORDED PRINT OF WAY NO. 821636/385

RX 864 B

(B)
 52
97'-6"
 149'-6"
15'-3"
 134'-3"
128'-9"
 5'-6"

134'-3"
38" diff in el
 131'-1"
1'-6" sag
 129'-7"

100
 29'-7" clear over track

134'-3"
57" diff in el
 129'-6"
9" sag
 128'-9"

118
 10'-9" clear over signal

(C)
 52
96
 148
19'-3"
 128'-9"

$$\frac{71.5}{123} \times 66 = 38.4''$$

$$.582 \cdot 973 \times 18'' = 17.5''$$

$$\frac{106}{123} \times 66 = 57''$$

$$.861 \cdot 482 \times 18'' = 9.0''$$

RECORDED RIGHT OF WAY NO.

34636 P285-

load a pole B looking north

Sag table #1

(Top Guy)

1.0 T_B + .44 T_C

#0 BC 1350

1750 + .44(1350) = 1750 + 595 = 2345 ¹¹⁷² x 1.5 (SF) = 3517 #

3/8 Beth 1750

2.56 T_C (2nd Guy)

$\frac{1350}{4050}$

1350 # x 2.56 x 1.5 (S.F.) = 5210 # ✓

Slope $\frac{49'}{54'}$ a 5/16 EHS will hold a max. 8350 #

2# 8^B Sys. Conn - 550 # @ Sag table #1

2 x 550 # x 1.5 (SF) = 1650 #

Slope @ $\frac{21.4}{44}$ = a 1/4 EHS will hold a max of 6000 #

load looking west

3# 2 WPX @ Sag #1

1200 # x 3 x 1 1/2 (S.F.) = 5,400 #

Slope @ $\frac{39.6}{28}$; a 5/16 EHS will hold a max of 6600 #

Class of Pole B & C Transverse Wind on Pole C

3/8 Beth C .46 x 1 x 69.5' = 32' #

1" OB .46 x 1 x 55.5' = 26' #

2" OB .46 x 2 x 50.0' = 46' #

2# 8 .38 x 2 x 33.5' = 25' #

3# 2 WPX .49 x 3 x 44' = 65' # 129 = 18,000 FT

3 x 2 WPX .49 x 3 x 125' = 194' # x 125 = 24,200 FT

3/16 EHS Guy .40 x 1 x 4' = 4' #

80' C.3 86.30 # x 4 = 34,520

96,800 FT
34,520
131,320 #

RECORDED RIGHT OF WAY NO.

34636 1235

Arm guy po. B looking North

North →

2# 8 Bc



Guy

@ A $550\# + \frac{2}{3}(550)\# = 916\#$

unbalanced

2# 4 ACSF

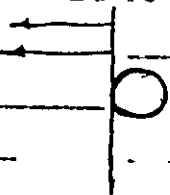
allowable 120" arm 350#

∴ use 3/16 EHS

$916\# \times 1.5 (S.F.) = 1374\#$

Arm guy po. B looking West

West →



unbalanced of 916#

$916\# \times 1.5 (S.F.) = 1374\#$

∴ use 3/16" EHS Guy

Po B DED 3# 2 WPX

$$\begin{array}{r} 3500 \\ 7400 \\ \hline 5400 \end{array}$$

$1200\# \times 3 \times 1.5 (S.F.) = 5400\#$

@ S.F.

@ slope $\overline{-28}$

RECORDED RIGHT OF WAY NO. 132/636

1325



THE DETROIT EDISON COMPANY
 2000 SECOND AVENUE
 DETROIT 26, MICHIGAN

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 Grand Trunk Western Railroad 2 miles north of the City of Mt. Clemens, N.W. 1/4 of Section 1, Clinton Township, Macomb County, Michigan T-2N, R-13E

Three No. 0 bare copper - 40,000 volt wires, 3 # 2 WPX - 4800 volt wires and 4 # 3 bare copper - system communication wires over the tracks of the Grant Trunk Western Railroad located at a point in Hall Road approximately 1/2 mile west of Gratiot Avenue. (US 25)

NOTE: There is to be no change in the number or size of existing crossing wires. Rearrangement of conductors in the adjacent spans will result in increased clearances.

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.
- 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. U 3515 dated 10-19-32
- This is a new crossing.

Reference number of construction drawing is RX- 364 B

Yours very truly,

R. H. Taylor
 Right of Way Agent

Permit No. _____

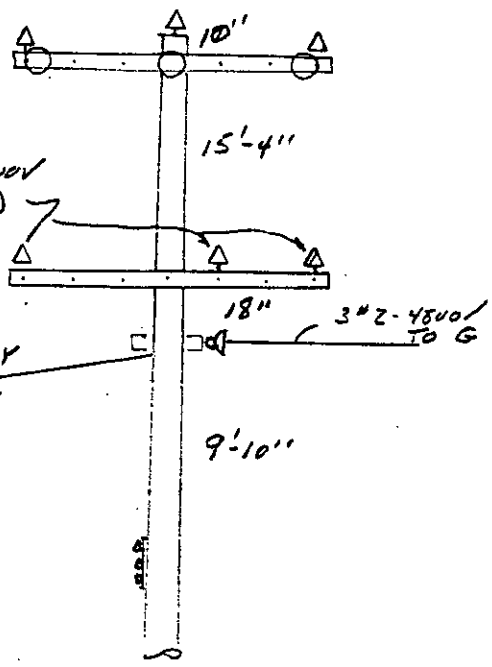
Date _____

By _____

✓ Check in square indicates statement applicable.

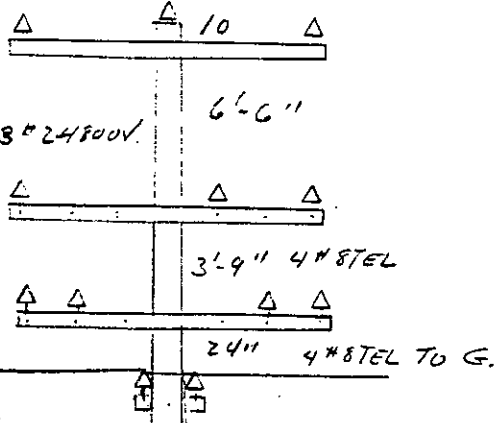
RECORDED RIGHT OF WAY NO. 34636 12285

EX. 3#0-24000V
TO (A-EYC)

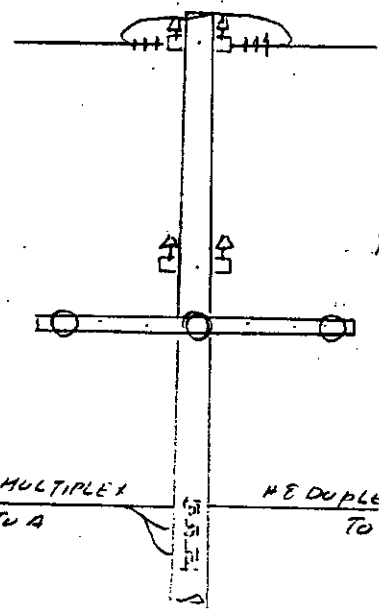


B-EAST
C-EAST EXCEPT FOR MULTIPLEX

3#0-24000V.



E EAST



B-NORTH

RECORDED RIGHT OF WAY NO.

34636
1225-

THE DETROIT EDISON COMPANY

NOTIFICATION OF MINOR REVISION TO EXISTING RAILROAD CROSSING -

DATE 3-20-47

RAILROAD Grand Trunk R.R.

PERMIT NO. U-8515

RX NUMBER 864-A

LOCATION OF CROSSING - Hall Road approximately twomiles N. of Mt. Clemens, Clinton Township, Macomb County.

NATURE OF REVISION:

It is proposed to install 3 #6 multiplex service wire east from adjacent pole A to crossing pole B and hence to a railroad flasher control cabinet (F) located 90' east of pole B. The span AB will be sagged 58" and BF-36".

The allowable load on poles A and B will not be exceeded. The crossing span will not be changed.

MICHIGAN PUBLIC SERVICE COMMISSION

ACCEPTANCE _____

RECORDED RIGHT OF WAY NO. 34636 P285

MEMORANDUM ORDER

FOR GENERAL USE
E CO FORM 85-17

TO: Mr. H. Collier

OCT 20 10/19/32

FILE

Permit U-5115 has been received to cross over the Grand Trunk R.R. 14 Hill Road or Town
Line Road approximately 1350' north of mile post 24 with proposed two 10 volt (ringing
wires) 1.0 mile 2 wire telephone circuits. This crossing to be built according to the
specifications at above on Diagram 864-A

Existing permit # U-8054

COPIES TO

REPORT

SIGNED

H. V. Bennett

Completed as per sketch

R. J. [Signature]

DATE RETURNED

10-28-32

TIME

SIGNED

H. J. [Signature] W. L. [Signature]

RECORDED RIGHT OF WAY NO.

34636 R285

DATA SHEET TO ACCOMPANY DRAWING RX 864 A

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the Grand Trunk R.R. in Hall Road or Town Line Road, approximately 1850' north of mile post #24, N.W. $\frac{1}{4}$ of Section 1, Township 2 North, Range 13 East, Clinton Township, Macomb County, Michigan.

Circuits

Existing one 24000 volt, 60 cycle, 3 phase, 3 wire transmission circuit.

Pro. Existing one 4800 volt, 60 cycle, 3 wire, 3 phase distribution circuit.

Proposed two 70 volt (ringing voltage), 13 cycle, 2 wire telephone circuits.

Poles

Poles(A)(D) 55' Idaho cedar, 25" top circumference, 49.5" butt circumference at ground line set 7'-6" in clay soil.

Pole(B) 60' Idaho cedar, 25" top circumference, 51" butt circumference at ground line set 8' in clay soil.

Pole(C) 60' Idaho cedar, 25" top circumference, 51" butt circumference at ground line set 7'-6" in clay soil.

Pole(E) 50' Idaho cedar, 25" top circumference, 47" butt circumference at ground line set 7' in clay soil.

Guy and Guy Attachments

One $\frac{1}{2}$ " 7800# strand Guy from Pole(B) 46' above ground to Pole(A) 8' above ground.

One $\frac{1}{2}$ " 7800# strand Guy from Pole(C) 46' above ground to Pole(D) 8' above ground.

One 6(M) Guy from Pole(E) 32' above ground to Anchor(K) 25' from butt of Pole(E).

One 6(M) Guy from Pole(C) 32' above ground to Anchor(L) 25' from butt of Pole(C).

All guy wires double galvanized stranded steel.

Cross Arms

Proposed one $3\frac{1}{4}$ " x $4\frac{1}{4}$ " x 96" Douglas fir, double cross arm on Poles (C)(E).

Existing one $3\frac{3}{4}$ " x $4\frac{3}{4}$ " x 96" Douglas fir, double cross arm on Poles (B)(C).

Pro. Existing one $3\frac{1}{4}$ " x $4\frac{1}{4}$ " x 96" Douglas fir, double cross arm on Poles (B)(C).

Conductors

Existing 3 #0 medium hard drawn, stranded, bare copper wires.

Pro. Existing 3 #2 medium hard drawn, solid, T.E.W.P. copper wires.

Proposed 4 #8 medium hard drawn, solid, bare copper telephone wires.

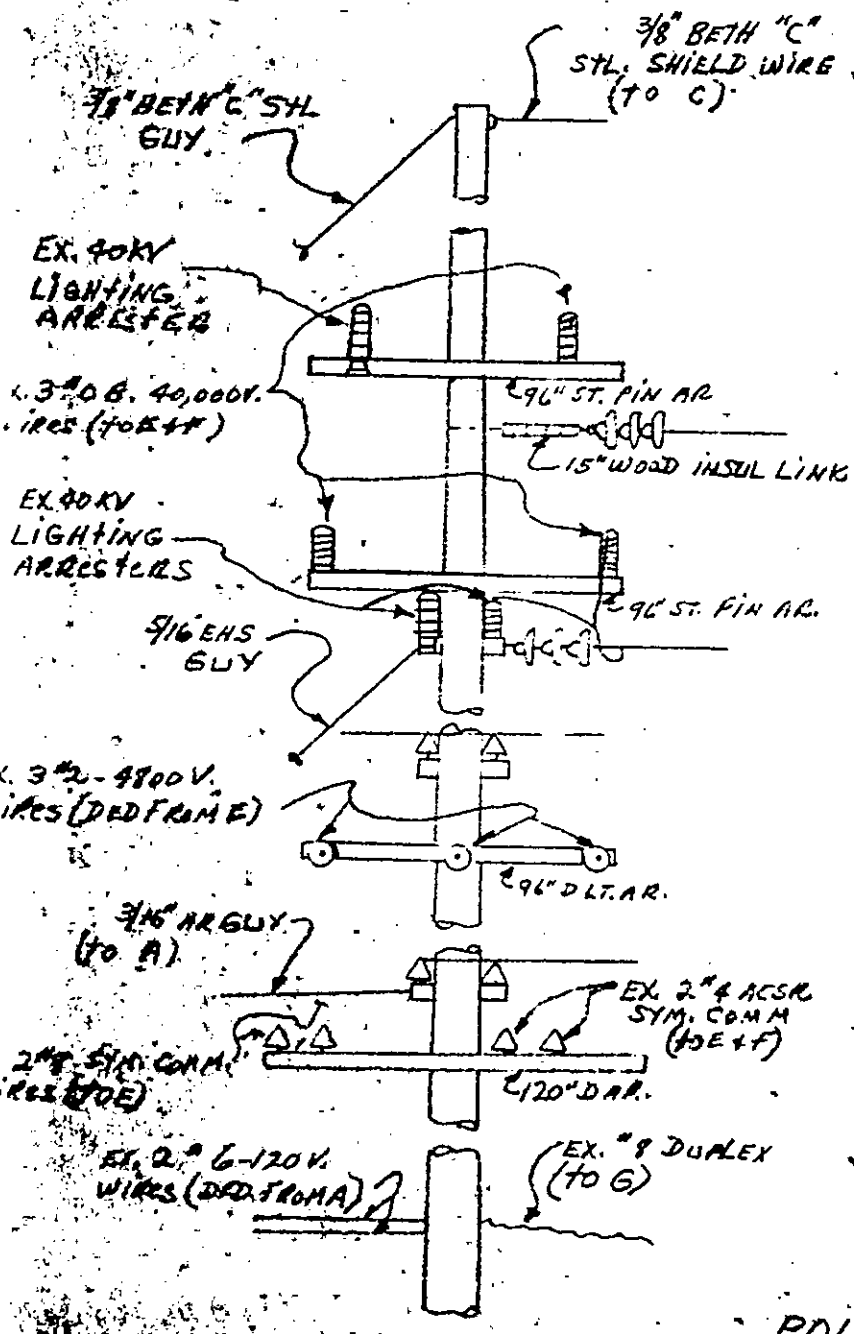
RX 864 C

LINE CROSSING OVER GRAND TRUNK WESTERN R.R.
HALF MILE APPROX. 1/2 MI. W. OF GRATIOT AVE. (S25)

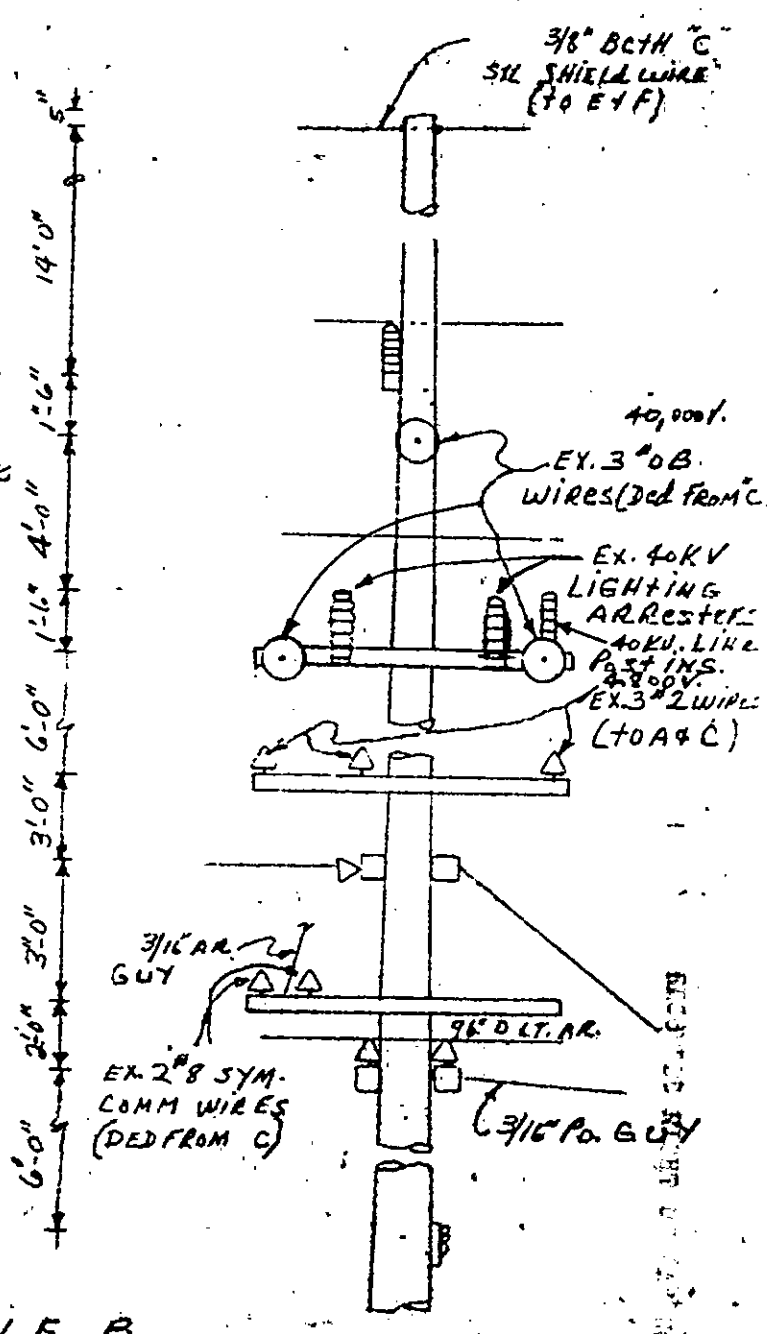
EX ? PERMIT NUMBERED 2-8-3150.
2 MI. NORTH OF THE NORTH
LIMITS OF THE CITY OF MACOMB

+1. L. N.W. 1/4 TWP. CLINTON +2N R. 13E Co. MACOMB

H. GEPPERT. GEN. ENG.
ESTIMATOR J. FOLSKE D.H.L. MT. CLEMENS

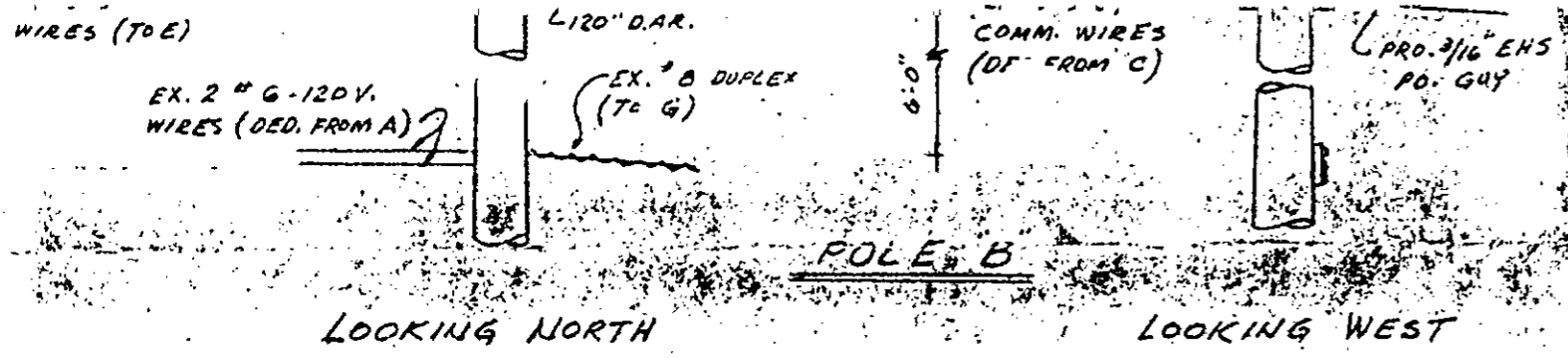


LOOKING NORTH



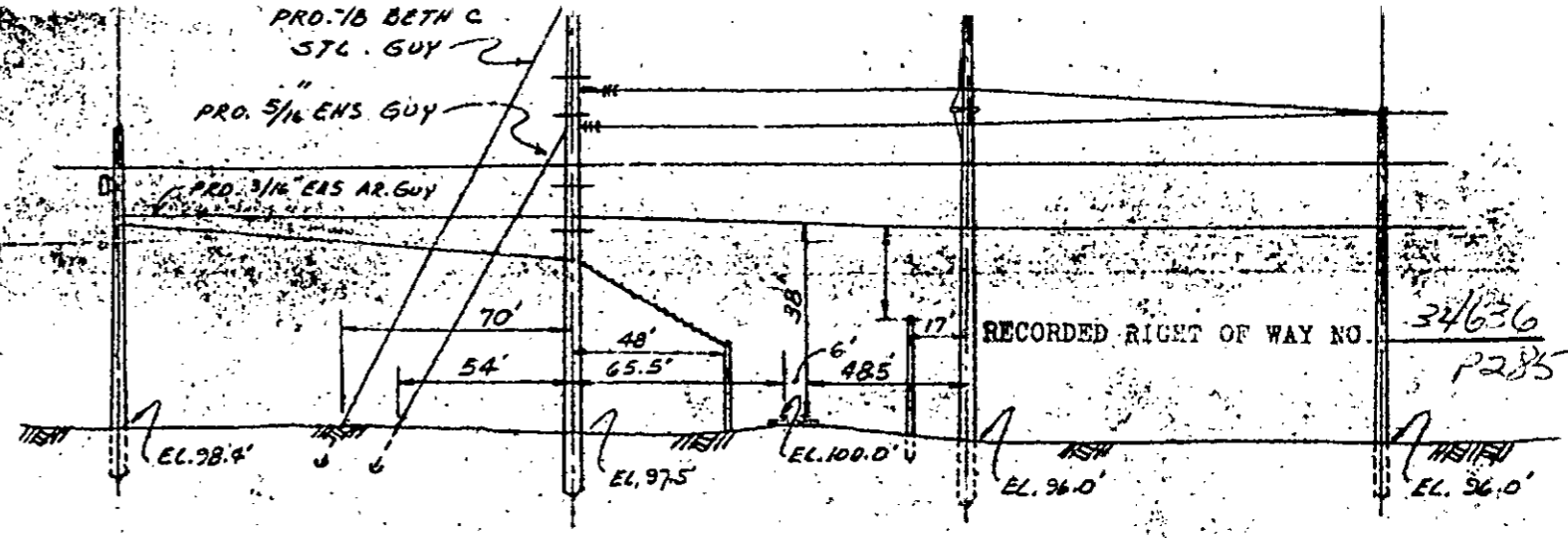
LOOKING WEST

POLE B

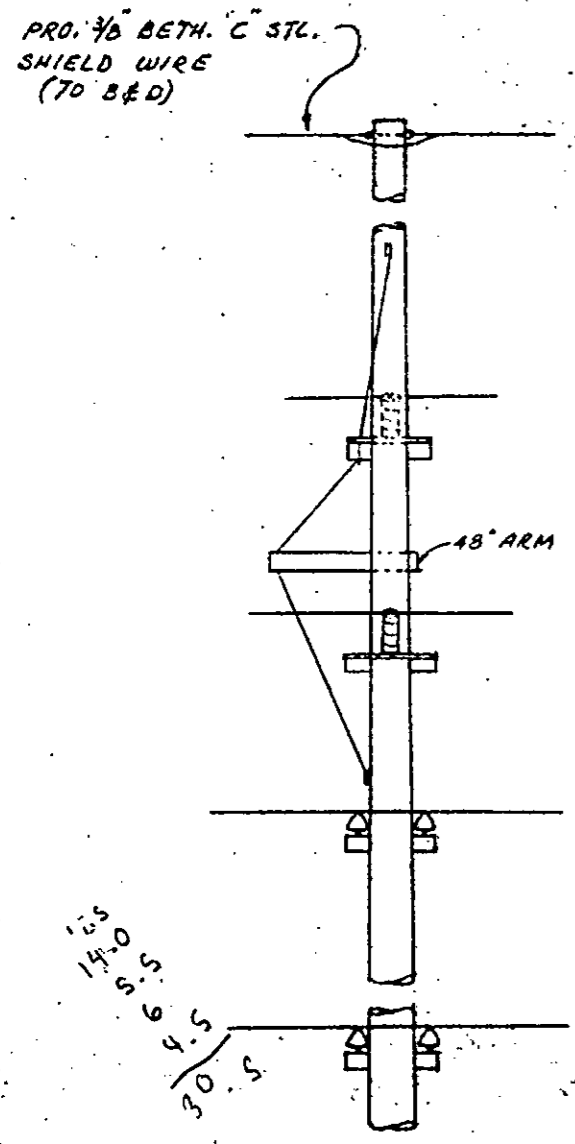


LOOKING NORTH

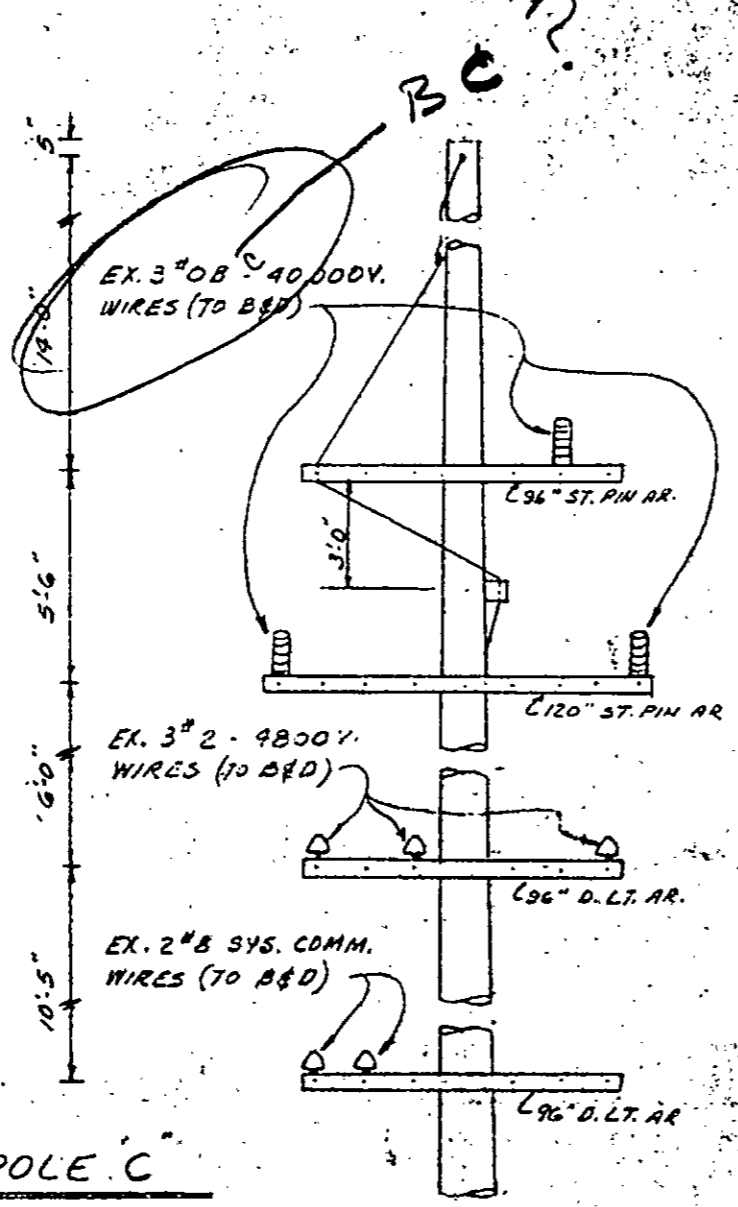
LOOKING WEST



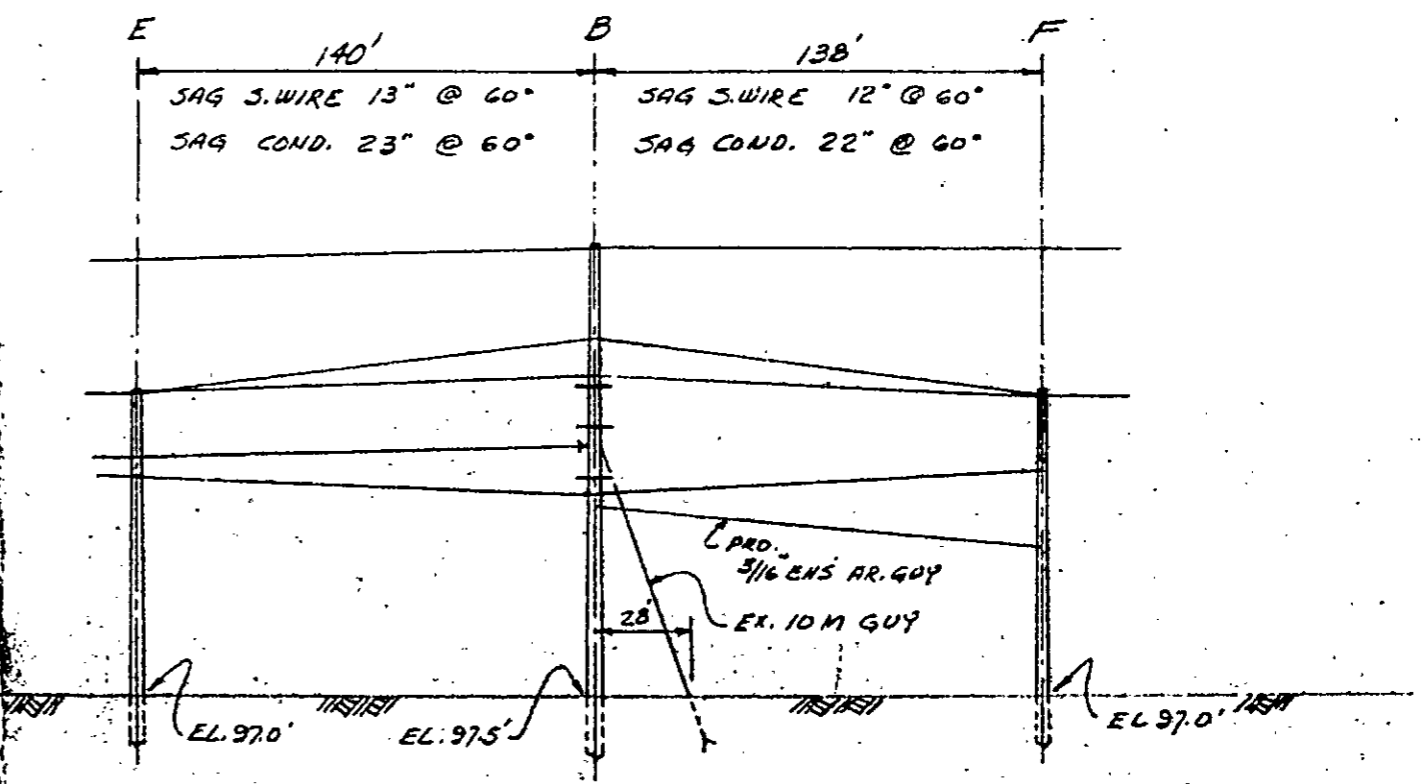
ELEVATION LOOKING NORTH



LOOKING NORTH



LOOKING WEST



ELEVATION LOOKING WEST

14.5
5.5
6.5
2.5
26
46
32.5

PROPOSED LINE CROSSING OVER GRAND TRUNK WESTERN R.R. E. PERMIT NUMBER ED2-8-3150
 IN HALL RD APPROX. 1/2 MI. WEST OF GRATIOT AVE. (US25) 2 MI. NORTH OF THE NORTH
 LIMITS OF THE CITY OF MT. CLEMENS

SECTION 1-NW/4 TOWNSHIP CLINTON T. 2N. R. 13E COUNTY MACOMB

NOTES
 MATERIALS SHALL BE AS NOTED IN THE DETROIT EDISON COMPANY'S GENERAL SPECIFICATIONS FOR OVERHEAD LINE CONSTRUCTION AT RAILROAD CROSSINGS DATED MARCH 1955.
 ACTUAL FIELD DIMENSIONS MAY VARY SOMEWHAT FROM THOSE SHOWN BUT THE REQUIREMENTS OF ORDER NO. 1879 OF MICHIGAN PUBLIC SERVICE COMMISSION AS REVISED JAN. 1, 1944, WILL BE COMPLIED WITH.

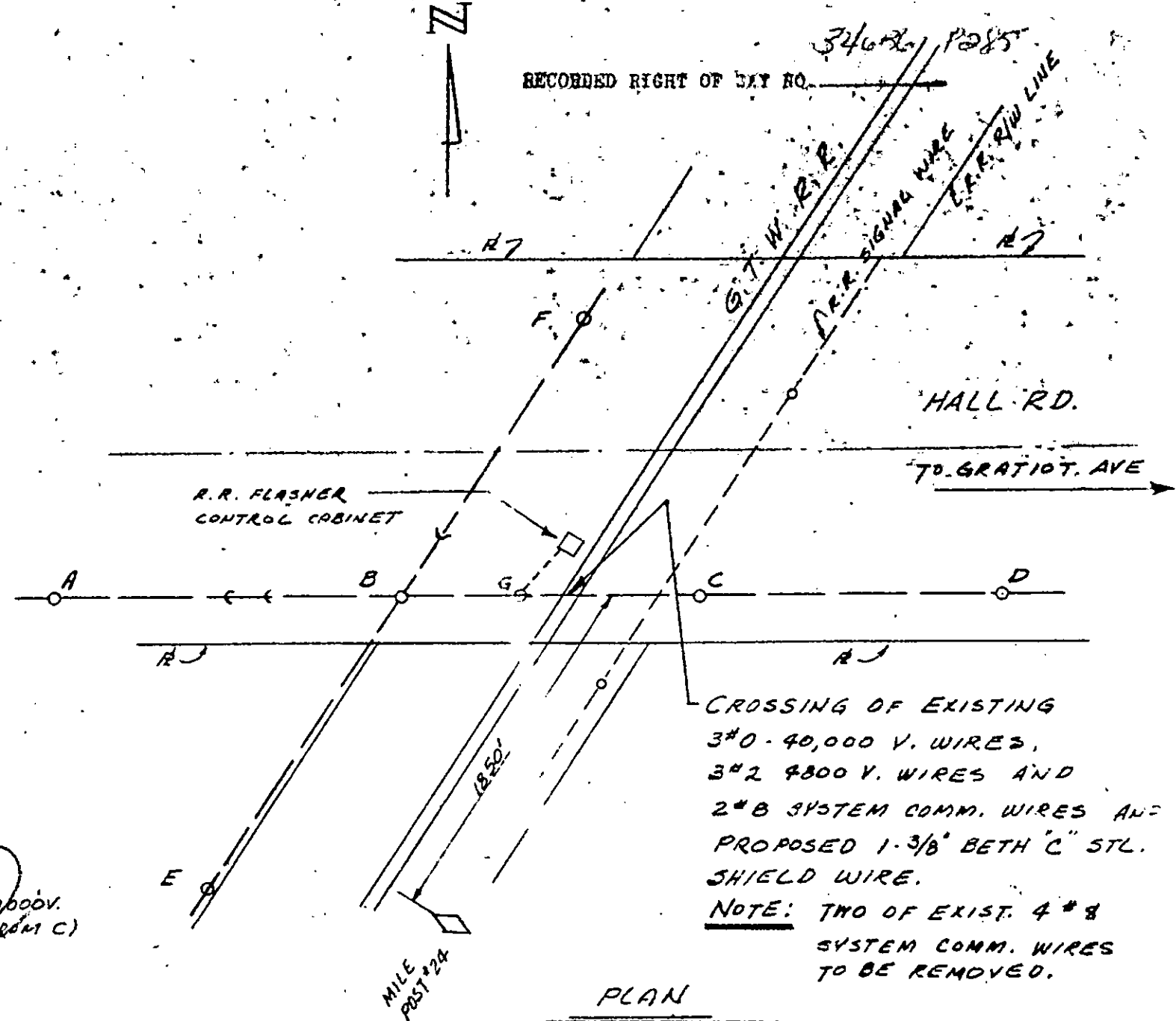
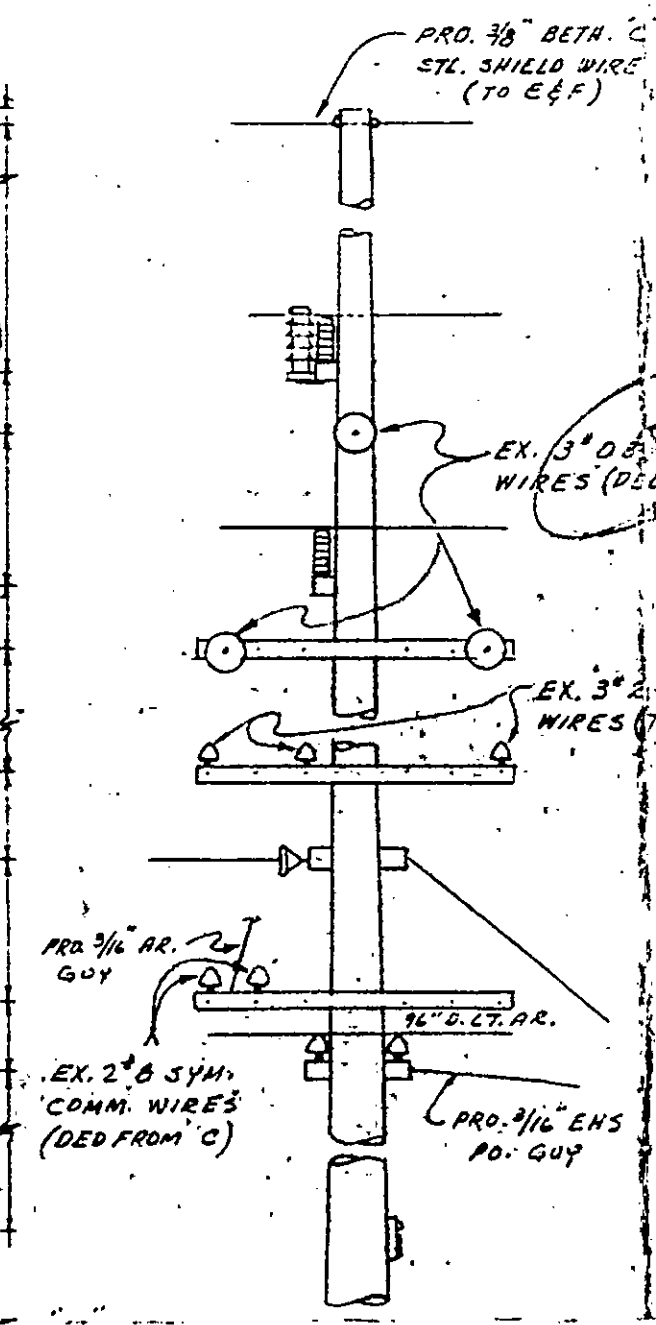
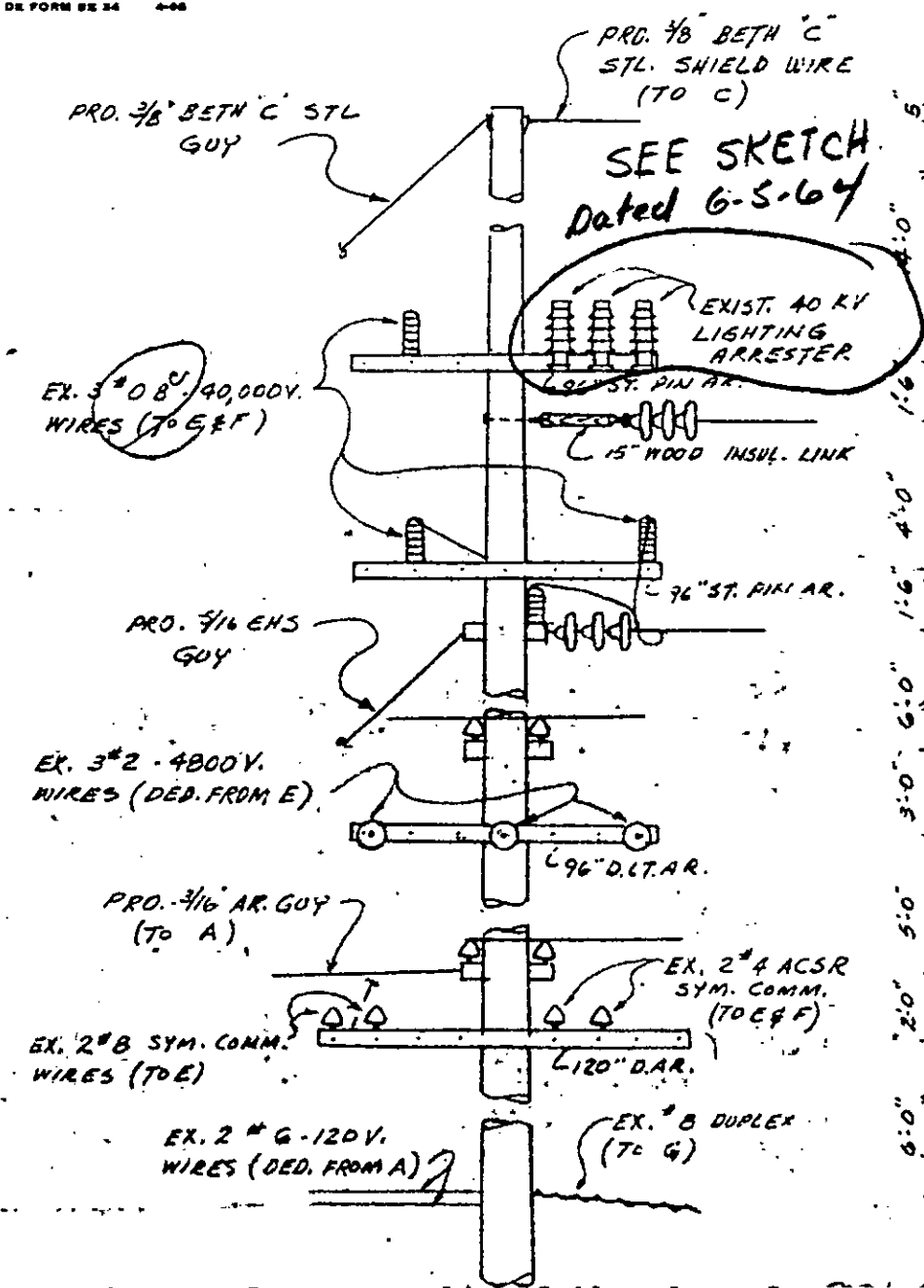
MINIMUM CLEARANCES

NEAREST POLE TO RAIL	SIDING	7 FT
	MAIN LINE	12 FT
WIRES OVER TRACKS	0 - 750 VOLTS	27 FT
	750 - 15,000 VOLTS	28 FT
	15,000 - 50,000 VOLTS	30 FT
WIRES OVER R.R. SIGNAL	0 - 750 VOLTS	2 FT
	750 - 8,700 VOLTS	4 FT
	8,700 - 50,000 VOLTS	6 FT

NUMBER	LABEL	CONDUCTORS			LOCATION	LENGTH	POLES	
		SIZE	VOLTS	TYPE			CLASS	TYPE
3	D	BC	40,000	A	55	2	WOOD	
3	C	WPR	4800	B-C	80	2	"	
2	B	BC	SYS. COMM.	D	60	2	"	
1	A	BETH C	SHIELD	E	55	2	"	
				F	55	2	"	
				G	30	5	"	

DESIGNED BY H. GEPPERT PLANNING & PROJECT ENGINEERING DEPT. DATE 3-25-64
 ESTIMATOR J. FOLSKE OVERHEAD LINES DEPT. MT. CLEMENS

Completed 6-1-64
 D.O. # B 68370
 L.E. MYERS CO.



SPAN	LENGTH	SAG
A-B	141.0'	SAG 29" @ 60'
B-C	123.0'	SAG 5. WIRE 10" @ 60' SAG COND. 18" @ 60'
C-D	127.0'	SAG 5. WIRE 11" @ 60' SAG COND. 19" @ 60'

PROPOSED LINE CROSSING OVER GND TRUNK WESTERN R.R. PERMIT NUMBER U-8515
 IN HALL RD APPROX 1/2 MILE WEST OF GRATIOT AVE. (US-25) CITY OF MT. CLEMENS 2 MILES NORTH OF THE
 SECTION NW 1/4 OF 1 TOWNSHIP CLINTON T 2N R 13E COUNTY MACOMB

Permit ED 2-8-3150 dated 1-22-53

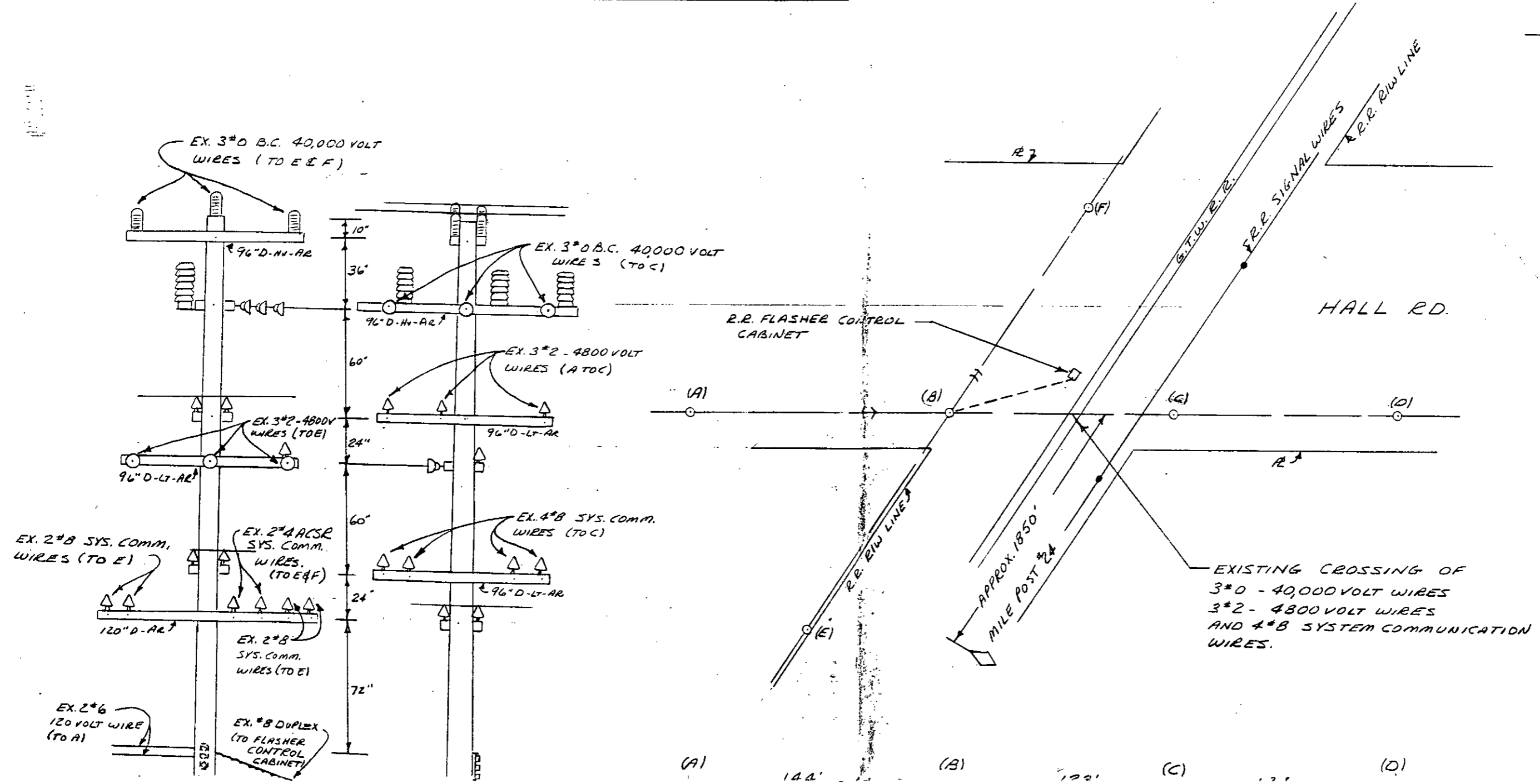
CONDUCTORS				POLES			
NUMBER	SIZE	KIND	VOLTAGE	LOCATION	LENGTH	CLASS	TYPE
3	0	B.C.	40,000	A	55	2	W. CEDAR
3	2	WPX	4800	B	60	2	"
4	8	B.C.	SYS. COMM.	C	60	2	"
				D	60	2	"
				E	55	2	"
				F	55	2	"

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.

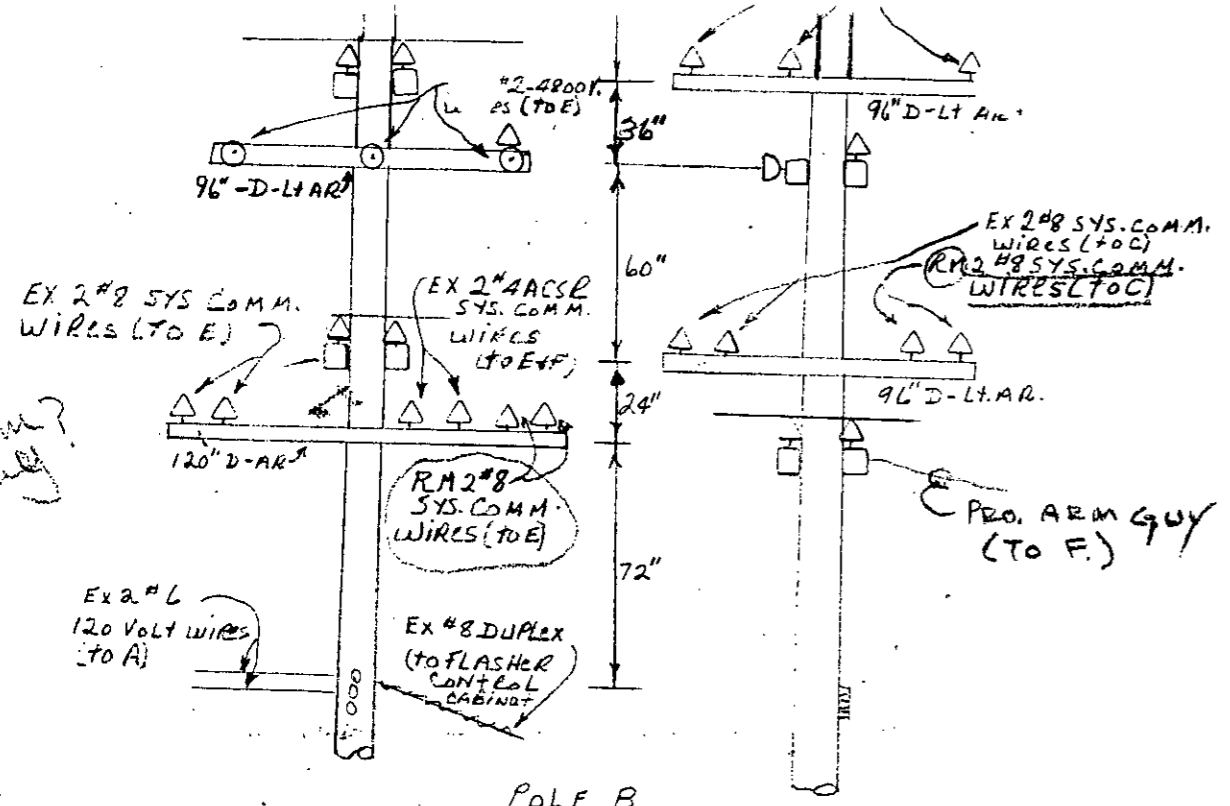
NOTES
 MATERIALS SHALL BE AS NOTED IN THE DETROIT EDISON COMPANY'S STANDARD SPECIFICATIONS FOR OVERHEAD LINE CONSTRUCTION AT RAILROAD CROSSINGS DATED MARCH 1947.
 ACTUAL FIELD DIMENSIONS MAY VARY SOMEWHAT FROM THOSE SHOWN BUT THE REQUIREMENTS OF ORDER NO. 1879 OF MICHIGAN PUBLIC SERVICE COMMISSION, AS REVISED JAN. 1, 1944, WILL BE COMPLIED WITH.

DRAWN BY C.D.M. ENGINEERING DIVISION DATE 12-29-52
 ESTIMATOR R.HOLDEN OVERHEAD LINES DEPT. MT. CLEMENS

RECORDED RIGHT OF WAY NO. 34636 P285



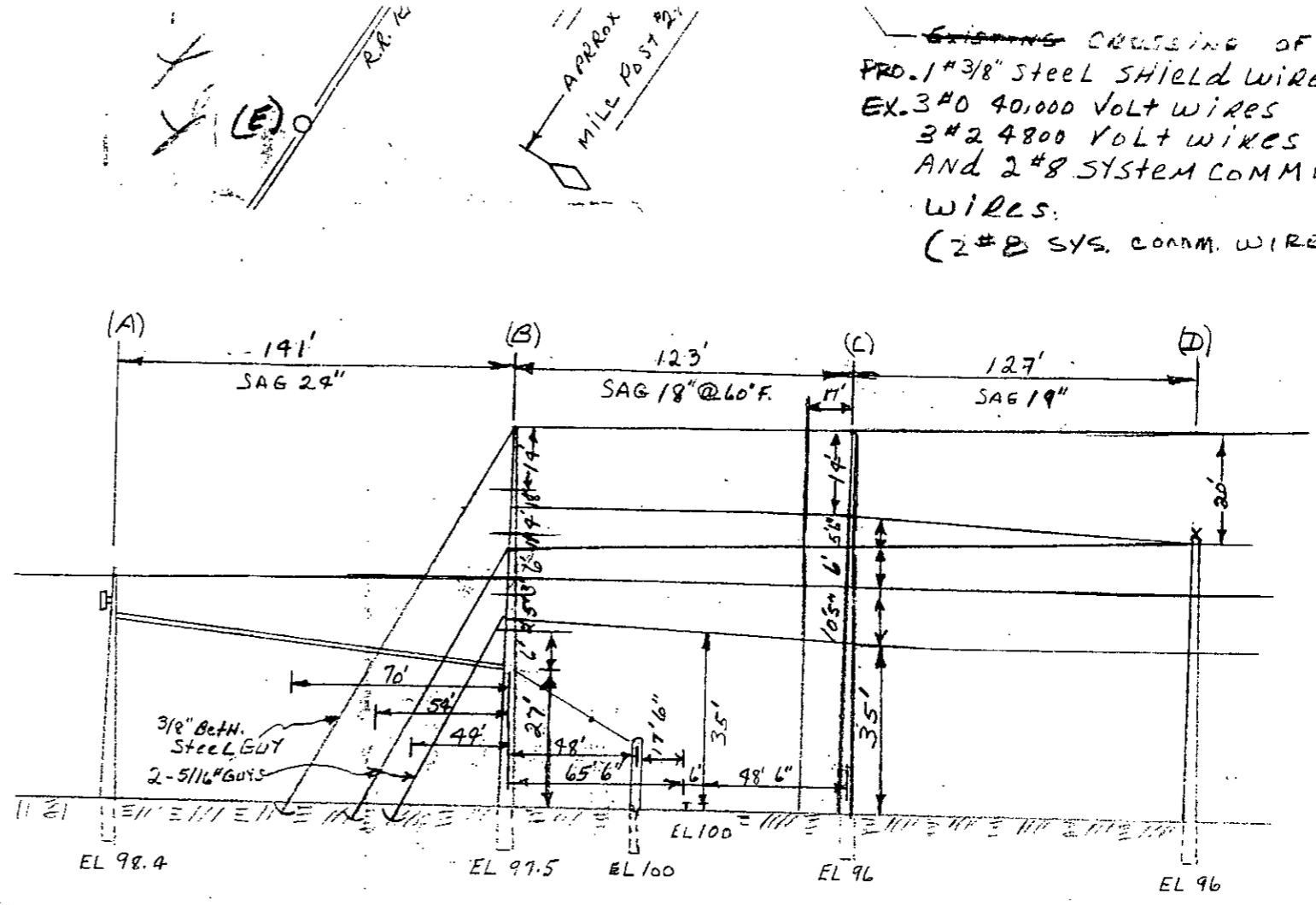
EXISTING CROSSING OF
 PRO. 1# 3/8" STEEL SHIELD WIRE &
 EX. 3# 40,000 VOLT WIRES
 3# 24800 VOLT WIRES
 AND 2# 8 SYSTEM COMMUNICATION
 WIRES.
 (2# 8 SYS. COMM. WIRES REMOVED)



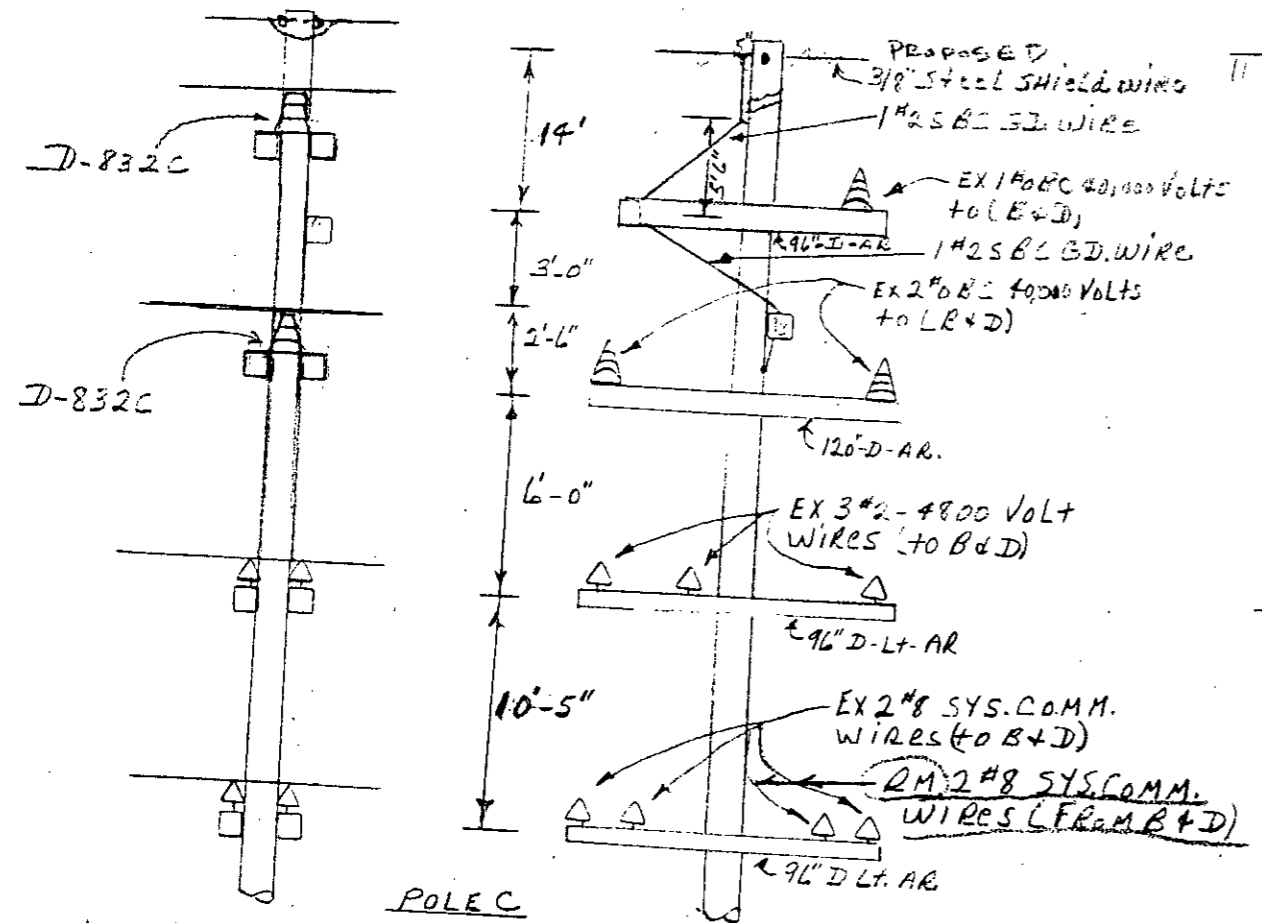
LOOKING NORTH

POLE B

LOOKING WEST



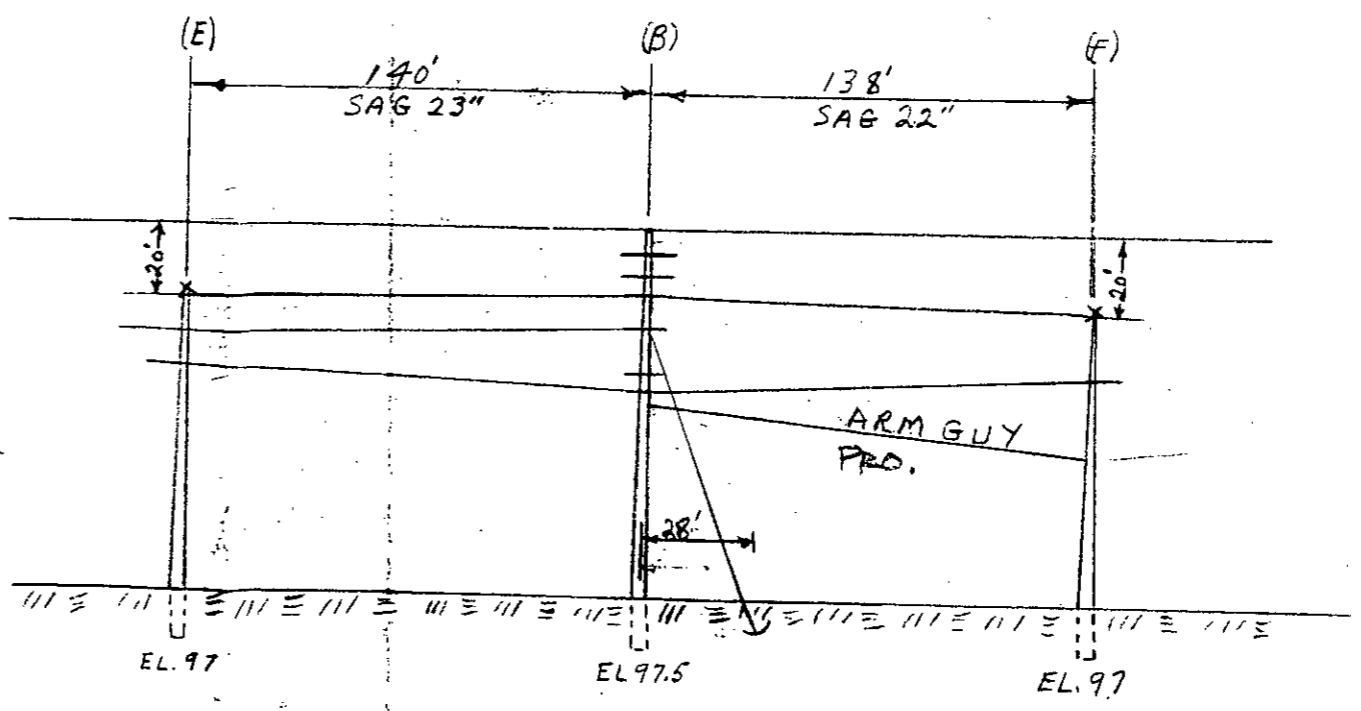
ELEVATION LOOKING NORTH



LOOKING NORTH

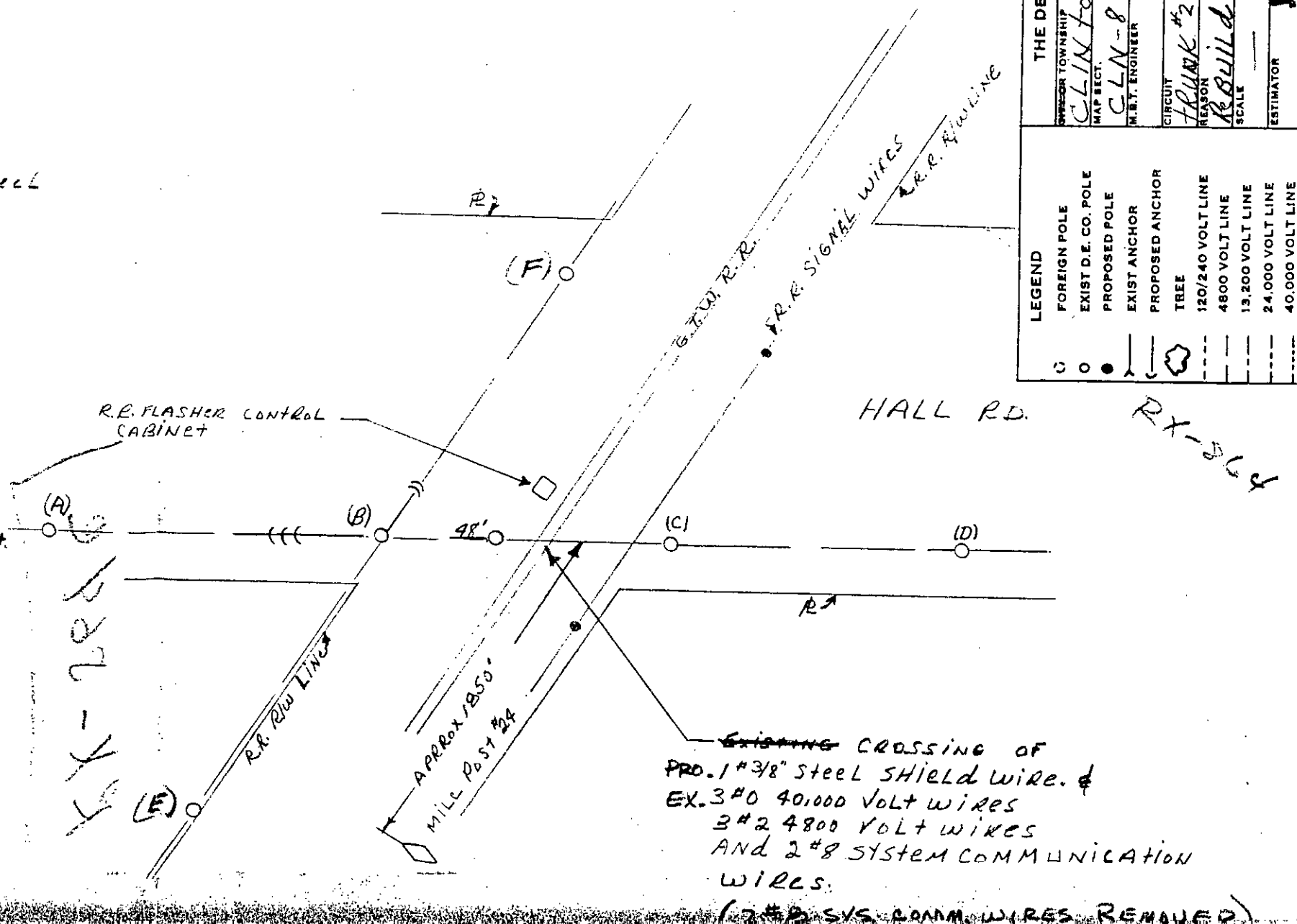
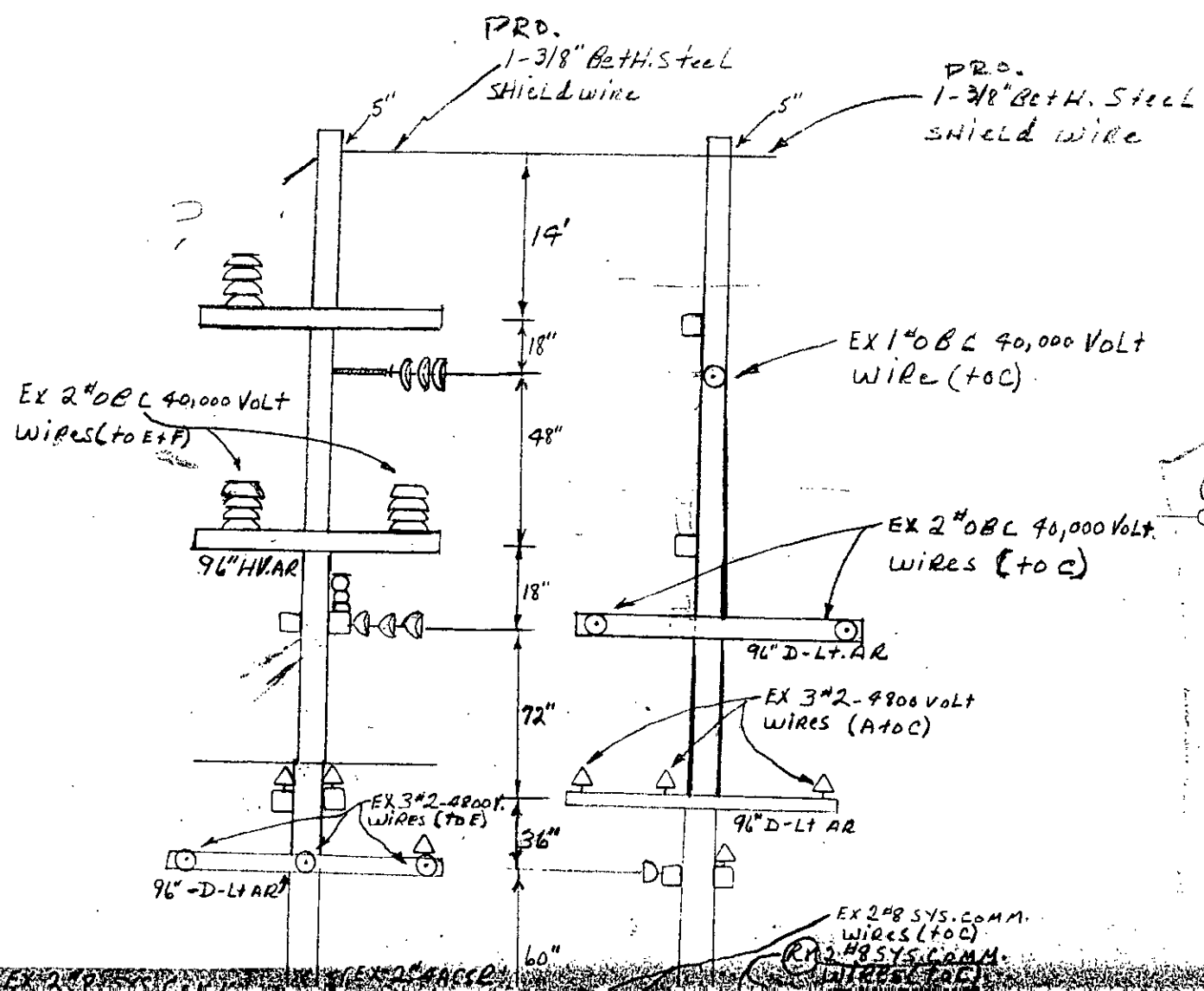
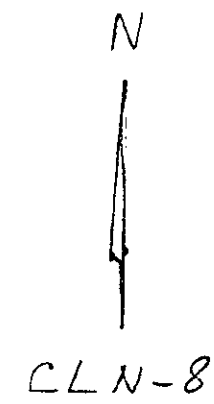
POLE C

LOOKING WEST



ELEVATION LOOKING WEST

2#8 Tel.
3#0 40KV
3#2 48KV
2#56E Tel
OWN section Map



THE DETROIT EDISON COMPANY OVERHEAD LINES DEPARTMENT	
OVERSEER TOWNSHIP	TWP. SECT. NO.
CLINTON	MACOMB
MAP SECT.	RANGE
CLN-8	2N 13E
M.E.T. ENGINEER	M.E.T. DISTRICT
NO. 25738	NO. 25738
CIRCUIT	PART FOR NO.
TRUNK #2316, D.C. 382 SUTIN, DIST. HAYS #70	382 SUTIN, DIST. HAYS #70
REASON	BUDGET ITEM NO.
REBUILD TRUNK #2316 OVER G.T.W. RR.	906-912
SCALE	INQUIRY NO.
STAKED	PAYD
YES	YES
ESTIMATOR	DISTRICT
Joe Folske	MACOMB
DATE	DATE
1-31-64	1-31-64

LEGEND	
○	FOREIGN POLE
○	EXIST D.E. CO. POLE
○	PROPOSED POLE
○	EXIST ANCHOR
○	PROPOSED ANCHOR
○	TREE
---	120/240 VOLT LINE
---	4800 VOLT LINE
---	19,200 VOLT LINE
---	24,000 VOLT LINE
---	40,000 VOLT LINE