

November 26, 1986

To: Records Center

From: Sharon Selonke *SS*  
Real Estate and Rights of Way Department

Subject: Distribution Crossing in Kilgore Road Approximately 3500' S. of Centerline of Metcalf Road, in the SW $\frac{1}{4}$  of Section 3, Kenockee Township, St. Clair County

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. 3	Update 10 Type	D.E.C.O. RECORDS CENTER FILE NO. 15	R.X. NO. OR MAP NO. 20	Facility 21	Agreement 22 Date 27
02	08771919	2	33222	1318A	1	072886
Payment Frequency 28	Rental 29 33	OH-UG 34 Code	Division 35	County 36	City or Township 38 44	Section 45
X	XXXXXX	11	H	110	KENOCKEE	03

*P-55*

47	Location	80
10 KILGORE RD S OF METCALF		

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 Barbara Fulton

- cc:  Accounts Payable  
 Service Planning R. Smith-TDHO  
 System Engineering  
 Transmission & Distribution

RECORDED RIGHT OF WAY NO. 33222 P55

**Detroit Edison**

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

July 28, 1986

Mr. Richard K. Pullem  
Chief Engineer  
The Chesapeake & Ohio Railway Company  
P.O. Box 1800  
Huntington, West Virginia 25718

Proposed Overhead Wire Crossing:

Span B-C

Replace poles, reconductor primary for future 13.2-kv voltage.

Specific Location

In Kilgore Road approximately 3500' S. of Centerline of Metcalf Road, In the SW $\frac{1}{4}$  of Section 3.

NOTE: We will proceed with construction of this crossing on August 22, 1986. Please contact me prior to this date if you have any questions.

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

City/Village \_\_\_\_\_ Township Kenockee

County St. Clair Detroit Edison Plan Attached RX 1318A

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

~~Previous Agreement Information (if any) Date XXXXXXXXXXXXXXXXXXXXXXX (R.R. Plan) XXXXXXXXXXXXXXXXXXXXXXX~~

~~Blank Waiver of Hearing Covers XXXXXXXXXXXXXXX Waiver of Hearing Recorded XXXXXXXXXXXXXXXXXXXXXXX~~  
(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.

Richard A. Gloger  
Richard A. Gloger  
Lease Representative  
Real Estate and Rights of Way  
448 G.O.

/ss

RECORDED RIGHT OF WAY NO.

33222-955

BT3611

DE 963-6064 6-85 CS



Re state and Rights of Way Department

# Railroad Crossing Application - Overhead

Please Print

RC 33222 PST

Railroad Name <b>C&amp;O Railroad</b>			Department Order <b>B 77199</b>		
Revision From RX No. (Available From Record Center (Ext. 78498)) <b>1318</b>		New RX No. or R/W No. <b>1318A</b>		Spans <b>B&amp;C</b>	
Location: City/Township <b>Kenockee</b>		Town <b>T-7N</b>	Range <b>R- 15E</b>	County <b>St. Clair</b>	1/4 Section <b>S.W.</b>
Section <b>3</b>					
Location Description <b>C&amp;O R.R. &amp; Kilgore - Rebuild existing R/R Crossing</b>					

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

**RX 1318A**

Railroad Mile Post (Number)		State Permit No. Existing		Date		Distance to Crossing from Mile Post (in feet)		Ft.					
Existing					Proposed								
Type of Structure <input checked="" type="checkbox"/> Wood <input type="checkbox"/> Steel					Type of Structure <input type="checkbox"/> Wood <input type="checkbox"/> Steel								
Conductors				Poles			Conductors				Poles		
Span.	No. Size	Kind	Voltage	Location	Length	Class	Span.	No. Size	Kind	Voltage	Location	Length	Class
B&C	636	B	13.2	C	50	1							
B&C	0	AWA	shield	A	45	3							
				B	50	2							
				D	45	3							

RECORDED RIGHT OF WAY NO.

Summary of Line Changes (continue on separate sheet if necessary)

**Replace poles, reconductor primary for future 13-2 voltage**

33222 PST

### Clearances

Tolerance	Clearances	Height
Nearest 0.1 foot with lowest conductor or wire at 60° final sag. (If different indicate on drawing)	From Top of Rail to Nearest Wire	34 Ft.
	Railroad Communication or Signal Lines	14 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>R. Smith</b>	Date <b>6-9-86</b>	Checked By <b>D. Jamison</b>	Date <b>6-9-86</b>
Company Location <b>P.O. Box 588 600 Grand River Ave.</b>		Phone No. <b>987-3520</b>	

Distribution: - Original - Service Planning    Yellow Copy - Railroad    Pink Copy - RE & RW

DATA SHEET TO ACCOMPANY DRAWING RX 1318

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the Pere Marquette R.R. in Mackay Road at the west line of Section 3, Town 7 North, Range 15 East, Kenockee Twp., St Clair Co., Michigan.

Circuits

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

Poles

- Pole(A) 35' Southern pine, 17" top circumference, 27 $\frac{1}{2}$ " butt circumference at ground line set 6' in clay soil.
- Pole(B) 40' Idaho cedar, 23" top circumference, 40 $\frac{1}{2}$ " butt circumference at ground line set 6' in clay soil.
- Pole(C) 45' Idaho cedar, 23" top circumference, 42" butt circumference at ground line set 6'- 6" in clay soil.
- Pole(D) 40' Idaho cedar, 21" top circumference, 36" butt circumference at ground line set 6' in clay soil.
- Pole(E) 45' Idaho cedar, 23" top circumference, 40" butt circumference at ground line set 6' in clay soil.
- Pole(F) 40' Idaho cedar, 25" top circumference, 43" butt circumference at ground line set 6' in clay soil.

Guys and Guy Attachments

- One 3/8" Guy from Pole(B) 32' above ground to Anchor(G) 35' from butt of Pole(B).
  - One 5/16" Guy from Pole(B) 32' above ground to Anchor (K) 30' from butt of Pole(B).
  - One 5/16" Guy from Pole(C) 33' above ground to Anchor(M) 25' from butt of Pole(C).
  - One 3/8" Guy from Pole(C) 32' above ground to Anchor(N) 35' from butt of Pole(C).
- All guy wire double galvanized stranded steel with a minimum ultimate strength of 55000 lbs. per square inch.

Cross Arms

- Proposed one 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir double cross arm per crossing pole.
- Existing two 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir single buck arm on Pole(C).

Conductors

Proposed 3 #2 A.C.S.R. wires.

*Blanket  
revised*

RECORDED RIGHT OF WAY NO.

*39227 55*

### Guys

- On 5/16" guys-one 1 5/8" x 6" three bolt galvanized steel clamp at each end.
- On 3/8" guys-one 3 bolt clamp at pole end and two 3 bolt clamps at anchor end.
- On 1/2" guys-one 1/2" galvanized Crosby clip at each end.

### Guy Insulators

- For distribution circuits-one O.B.#26500(or equivalent)in 5/16"and 3/8" guys.
- One O.B.#25009(or equivalent)in 1/2"steel and 5/16" copperweld guys.
- For 24,000 volt transmission circuits-use two insulators per guy instead of one as above.

### Guy Anchors

- On 5/16"& 3/8" steel guys-one 8" cone anchor set 5 1/2' deep.
- On 1/2" steel and 5/16" copperweld guys-one four blade 8" expanding anchor set 7 1/2' deep.
- On two 1/2" steel or 5/16" copperweld at one location-concrete anchor(8 cu.ft. concrete)set 6' deep.

### Anchor Rods

- On 5/16"and 3/8" steel guys- 1 5/8"x 6' round galvanized steel rod.
- On 1/2" steel and 5/16" copperweld guys 1 3/4"x 8' round galvanized steel rod.

### Crossarm Attachments

- Center bolts- 5/8" galvanized steel.
- Spacer bolts- 5/8" galvanized steel.
- Spacers - 4"x 4" treated pine blocks.
- Braces - (for 24,000 volt circuits)1"x 2 1/2"x 30" treated yellow pine.
- Braces - 1/4"x 1 1/4"x 28" galvanized steel for all other circuits.
- Brace bolts - 3/8" galvanized steel bolts at arm end.
- Brace bolts - 1/2"x 5" galvanized steel lag screws at pole end.

### Pins

- On 3 1/4"x 4 1/4" arms- 1 1/2"x 9"x 1" Locust pins.
- On 3 3/4"x 4 3/4" arms- 1 3/4"x 10"x 1" Locust pins except for 24,000 volt circuits.
- On 24,000 volt crossarm- 1 3/4"x 13 3/4"x 1 3/8" Locust pins.
- On 24,000 volt pole top- 3 3/4"x 3 3/4"x 17" Locust pins.

### Insulators

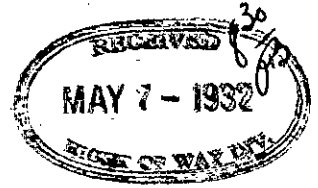
- 24,000 volt circuits-one O.B.#11623(or equivalent)porcelain, pin type, insulator and six Thomas #1162(or equivalent)disk type insulators.
- Ground wire on pole side bracket-one O.B.#12847(or equivalent)porcelain, pin type insulator and two Thomas #1162(or equivalent)porcelain, disk type insulators.
- Ground wire on pole top pin-one O.B.#10636(or equivalent)porcelain, pin type insulator and two Thomas #1162(or equivalent)porcelain, disk type insulators. Primary distribution, series street lighting and private telephone circuits, two O.B.#12847(or equivalent)porcelain, pin type insulators.
- Secondary distribution circuits-two Hemingray #20(or equivalent)glass, pin type insulators.

### Note:

- For strain type construction (where shown)-on primary and series circuits two O.B.#11940(or equivalent)porcelain, strain type insulators and one O.B.#12847(or equivalent)porcelain, pin type insulator.
- On secondary circuits two O.B.#25009(or equivalent)porcelain, strain type insulators and one Hemingray #20(or equivalent)glass, pin type insulator.

### Ties

- Standard top groove tie-on 24,000 volt, 4800 volt, series street lighting and private telephone circuits.
- Standard side groove tie-on all circuits below 240 volts.
- Tie wire- #8 soft, bare copper for 24,000 volt conductors.
- #4 or #6 soft, solid weatherproof copper for all circuits using weatherproof conductors.
- #6 bare aluminum tie wire for #2 A.C.S.R. conductors.



STATE OF MICHIGAN  
Office of the Michigan Public Utilities Commission, } ss.

I, Roy H. Purkhiser, Secretary of the Michigan Public Utilities Commission

Do Hereby Certify, That I have compared the annexed copy of Permit No. U-8359

wih the original permit

recorded in

and that it is a true and correct transcript therefrom, and of the whole of such original.

In Testimony Whereof, I have hereunto set my hand and affixed  
the seal of the Commission, at Lansing, this 6th  
day of May in the year of our Lord  
one thousand nine hundred thirty-two

*Roy H. Purkhiser*

Secretary, Michigan Public Utilities Commission

MEW

RECORDED RIGHT OF WAY NO.

39222  
155

3543

3543

STATE OF MICHIGAN  
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-8359

In Re Application of **Detroit Edison Company (Detroit)**

Pursuant to Act No. 171 of the Session Laws of 1893, as amended, application having been made to Michigan Public Utilities Commission by said **Detroit Edison Company**

for permission to string wires across the tracks of the **Pere Marquette Railway Company**

and said **Detroit Edison Company**

having conformed to the Commission's rules governing the filing of notices and issuing of permits for the construction of electrical lines and said rail way company having waived the right of notice and hearing provided for in said act

THEREFORE, It is ordered that said **Detroit Edison Company**

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

**In Macay Road at the W. line of Section 3, with:**  
**In Kenockee Township, )**  
**Saint Clair County, )**  
**Michigan: - ) 3 - #2 aluminum steel-cored wires, three-phase.**

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

At the point of crossing said wires shall be constructed in accordance with this Commission's rules and regulations.

Given under our hands and the Official Seal of this Commission at the City of Lansing, State of Michigan, this 6th day of May, A. D. 1932.

MICHIGAN PUBLIC UTILITIES COMMISSION

By

**ROBERT H. DUNN**

Chairman

**KIT F. CLARDY**

Commissioner,

**EDWARD T. FITZGERALD**

Commissioner,

**HARRY C. McCLURE**

Commissioner,

**HAROLD J. WAPLES**

Commissioner.

Countersigned

**Roy H. Purkhiser**

Secretary

RECORDED RIGHT OF WAY NO. 33222-55

FR 1318

THE END OF THE WORLD





DO B77199 RX 1318A  
 Existing Permit Number U-8359

Proposed Line Crossing Over C&O R.R.  
 in KENOCHEE TWP. KILGORE RD APPROX  
 3500 S. OF E. OF METCALF RD

Section 3 Township KENOCHEE TWP. 7N R. 15E County ST CLAIR.

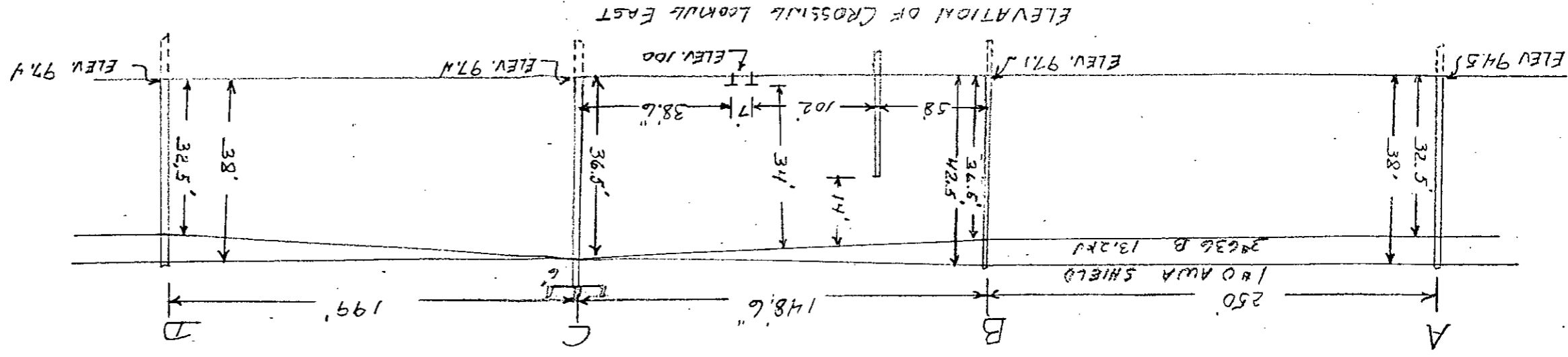
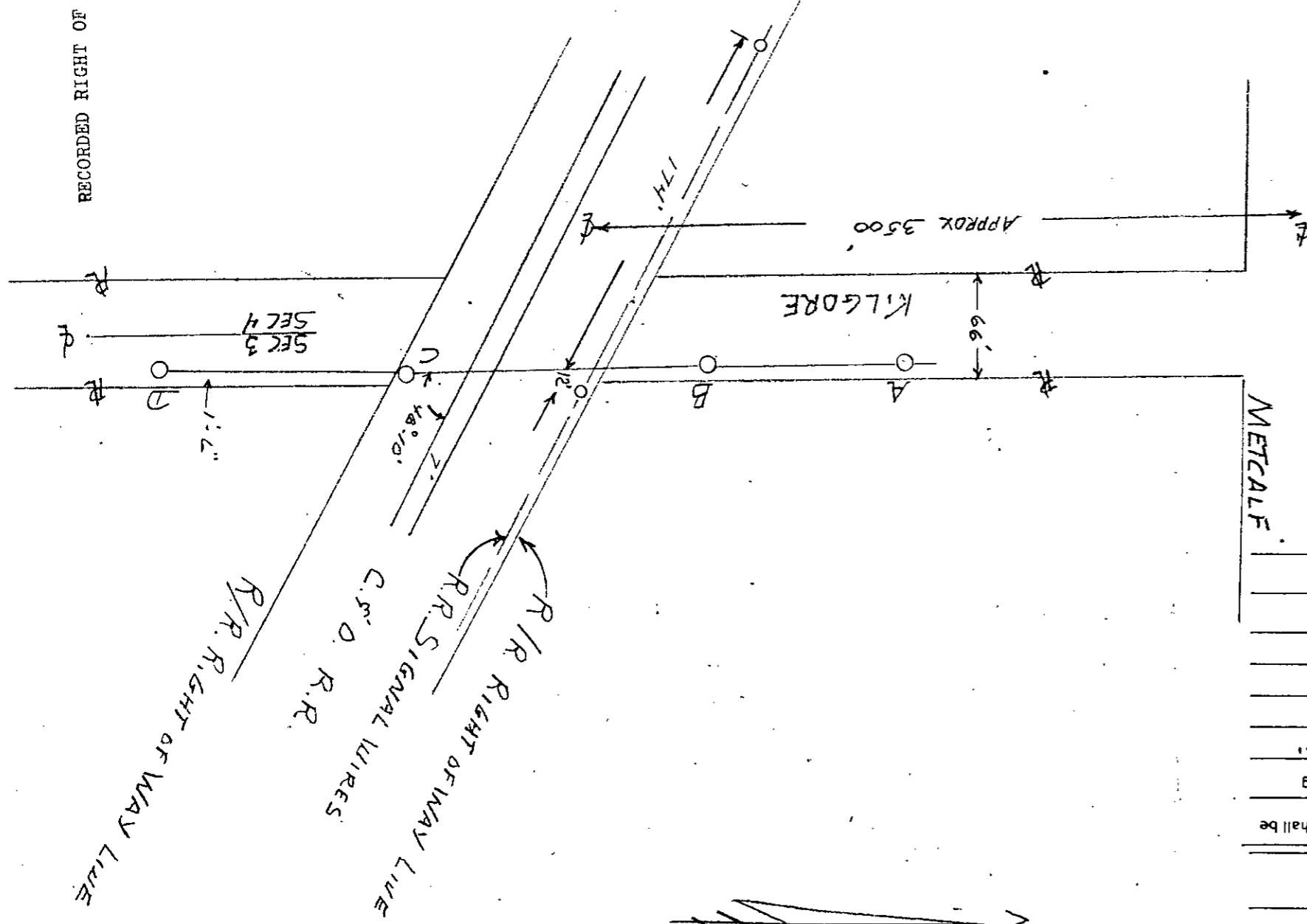
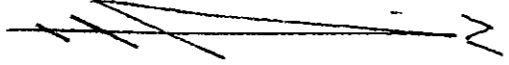
Refer to Section 12 of Overhead Lines Construction Standards for minimum clearance chart. The Railroad Permit Application (DE 963-6064) shall be submitted along with this vellum.

Span	B&C	1-18.6'	3-636B	13"	II	237'	19"
Span Length	Lowest Conductor Over R.R. Tracks	Stringing Sag At 60°F	Sag Table	Rule Span	Final Sag Ratio		

Designed By **R. SMITH**  
 Checked By **D. JAMISON**  
 Date **6-9-86**  
 Division **THUMB-5T CLAIR**

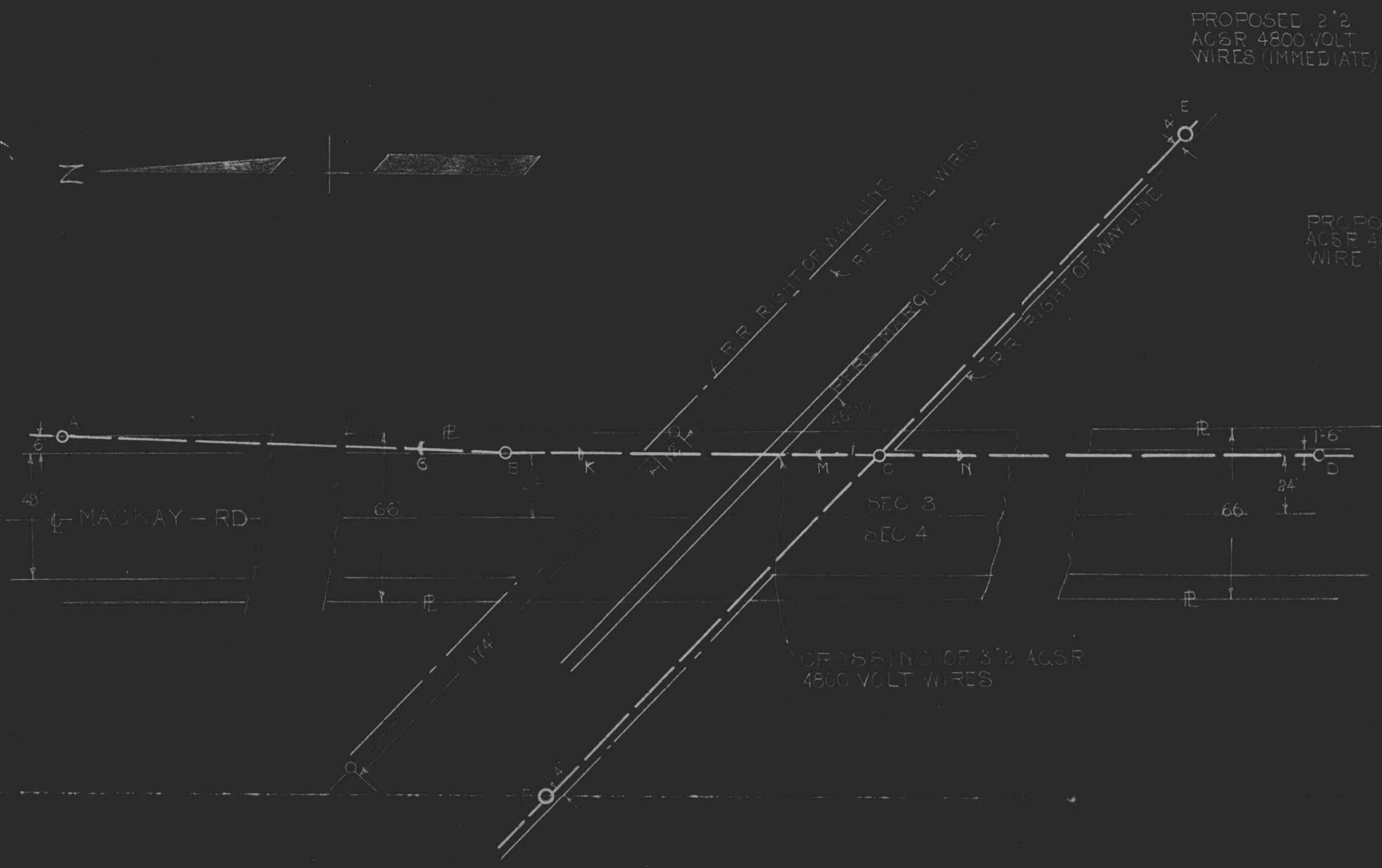
1. POLE A 45 FT. CLASS 3 SET 6.6 INCHES DEEP DET. 13530
2. POLE B 50 FT. CLASS 2 SET 7.0 INCHES DEEP DET. 13X38#13530
3. POLE C 50 FT. CLASS 1 SET 7.0 INCHES DEEP DET. 13X38#1945A-C.T.INS.
4. POLE D 45 FT. CLASS 3 SET 6.6 INCHES DEEP DET. 13530

METCALF

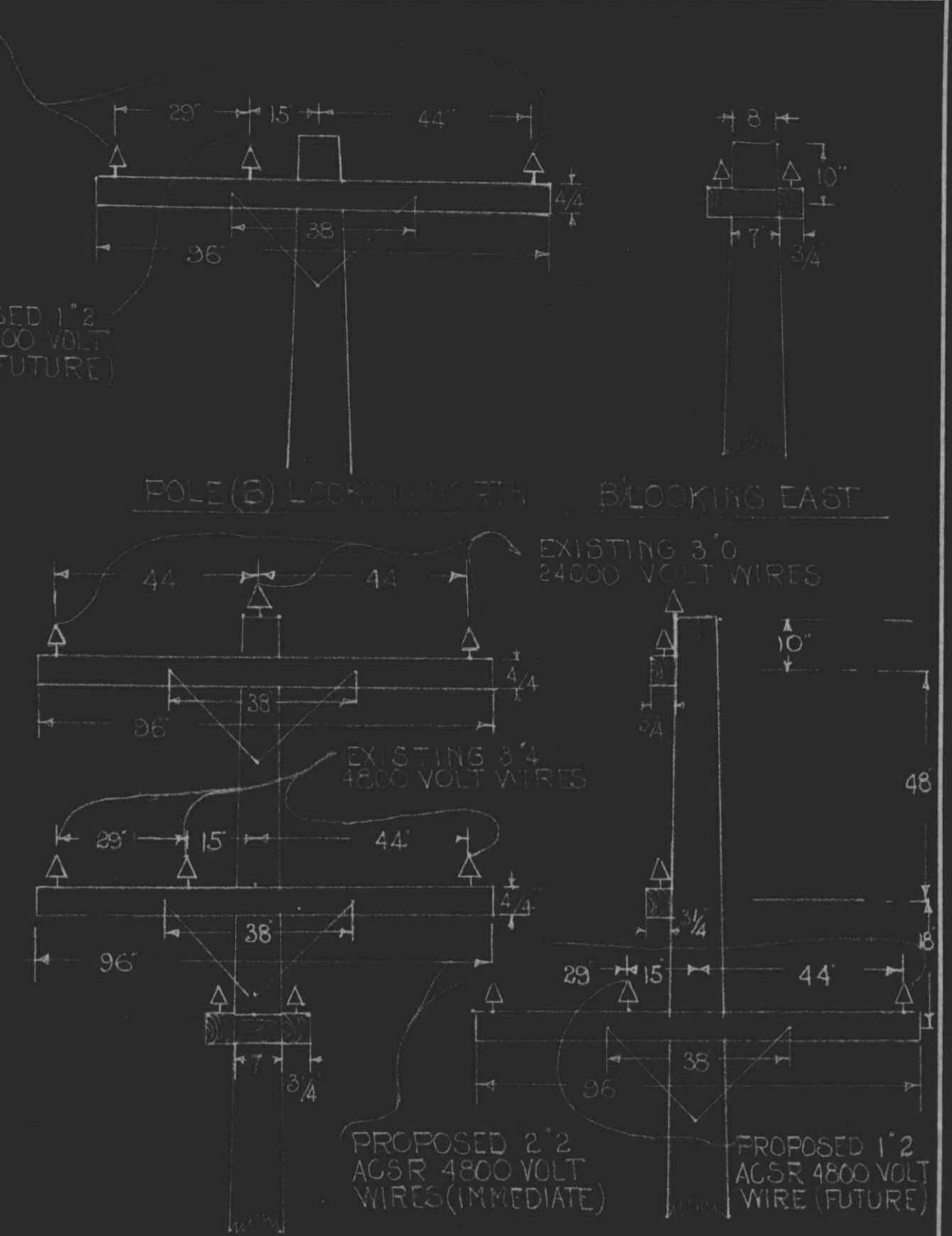


ELEVATION OF CROSSING LOOKING EAST

RECORDED RIGHT OF WAY NO. **33222** P.55



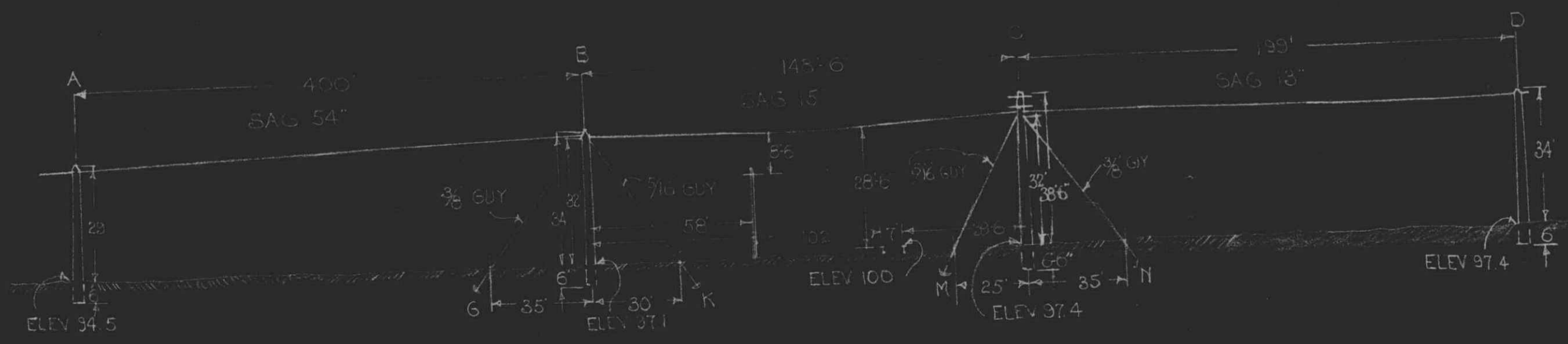
PLAN OF CROSSING



POLE (B) LOOKING NORTH BLOCKING EAST

POLE (C) LOOKING EAST (C) LOOKING NORTH

PURPOSE OF LINE  
EXTENSION OF RURAL DISTRIBUTION



ELEVATION OF CROSSING LOOKING EAST

APPROVED  
FOR  
MICHIGAN PUBLIC UTILITIES  
COMMISSION  
*[Signature]*  
ASST. CHIEF ENGINEER  
FILE # 8359 DATE MAY 6 1932

GILLOW - MT CLEMENS

CITY \_\_\_\_\_  
COUNTY ST CLAIR  
TOWNSHIP KENOCHEE  
SURVEY NO. OF TWP. 7 NORTH  
RANGE NO. 15 EAST  
SECTION NO. SEC. 3

THE DETROIT EDISON CO.  
PLAN SUBMITTED TO MICH.  
PUBLIC UTILITIES COMMISSION  
FOR 4800 VOLT CROSSING  
OVER PERR MARQUETTE RR  
DRAWN BY E.E.H. DATE 4-29-32  
CHECKED BY *[Signature]* DATE 5-29-32

RECORDED RIGHT OF WAY NO. ~~332228~~  
P55

2

332228  
P55

RECEIVED  
MICHIGAN PUBLIC UTILITIES  
COMMISSION  
MAY 6 1982  
ANS'D