

Job Project No. XA3171
Railroad Project No. BA0931
Project Identification: RX1332A

Date: August 29, 1991
To: Ava D. Thrower
Records Center
From: Michael C. Venetis *MCV*
Subject: Wire Crossing Of Railroad Tracks

Attached are papers related to the notification, dated May 21, 1991, to reconstruct the above mentioned crossing in the NE 1/4 of Section 10, Salem Township, Washtenaw County, Michigan.

Service Planning, Ann Arbor Division, is hereby notified to reconstruct the crossing as requested. Note: all work associated with aerial crossings of railroad tracks require advanced notice to the operating railroad. Three days advance notice should be made by telephone to Mr. T. A. Cox of CSX on (313) 464-5655.

Please incorporate these papers into Records Center File 33222, part 2, permit 68.

Approved:

Barbara A. Fulton

Barbara A. Fulton
Supervisor, Corporate Real Estate Services

Attachments
cc: L. Witkowski

BAF:MCV:d1m:A-1

RECORDED RIGHT OF WAY NO. 33222 P68



12780 Levan Road
Livonia, MI 48150

August 26, 1991

File: 131-2

Mr. Michael C. Venetis
Assistant Real Estate Associate
Detroit Edison
Room 2310 WCB
2000 Second Avenue
Detroit, Michigan 48226

Dear Mr. Venetis:

This has reference to your letter of May 21, 1991 submitting plan showing proposed construction of a wireline crossing CSX tracks within the limits of Seven Mile Road, Salem Township, Washtenaw County, Michigan.

Herewith returned is print of your drawing which I have approved. Three days' advance notice prior to the start of construction shall be made by telephone to Mr. T. A. Cox, Assistant Project Engineer, Livonia, Michigan, (313) 464-5655. Detroit Edison shall reimburse the Railway Company for any expense incurred in protecting its tracks and/or other facilities during the construction and maintenance of this crossing. Further, the Railway Company will not be responsible for any damage to the crossing unless caused by the sole neglect of its agents, servants, or employees.

Very truly yours,

C. E. Martin
C. E. Martin
Division Engineer

cc: Mr. A. F. Crown

RECORDED RIGHT OF WAY NO. 33222-768

**Detroit
Edison**

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

May 21, 1991

Mr. J. R. Rymer
Division Engineer
CSX Transportation
12780 Levan Road
P. O. Box 3316
Livonia, Michigan 48150

Re: Notification of Wire Crossing Revision

Dear Mr. Rymer:

This letter is your notice of the planned reconstruction of an existing overhead wire crossing over your railroad tracks within the 7 Mile Road public right of way, by The Detroit Edison Company, in NE 1/4 of Section 10, Salem Township, Washtenaw County, Michigan.

1. Location: 1760' West of Currie Road/Parallel to 7 Mile Road
2. Detroit Edison Project and Crossing Nos. BA0931 RX1332B.
3. This is a reconstruction of an existing crossing (Previous date: 6-15-32)
4. Please indicate your:
 - R.R. Valuation Station No. _____
 - R.R. Mile Post No. _____
 - Will a Flagman or Inspection be required? _____

All construction will be done in accordance with specification 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 me on (313)237-6746 if you have any questions.

Sincerely,



Michael C. Venetis
Assistant Real Estate Associate
Room 2310 WCB

cc: L. Witkoswki
Certified Mail
Return Receipt Requested

attachments

RECORDED FILED IN MAY 1991 3322-2 PG8

Railroad Crossing Application - Overhead

Please Print

Railroad Name CSX TRANSPORTATION			Department Order A-36790		
Revision From RX No. (Available From Record Center (Ext. 78498)) RX 1332		New RX No. or RW No. 1332 A		Spans 1	
Location: City/Township NORTHVILLE / SALEM TWP.		Town T-18	Range R-7E	County WASHTENAW	¼ Section N.E.
Section 10					
Location Description 1760' WEST OF CURRIE RD. / PARALLEL TO 7 MILE RD.					

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 1332

Railroad Mile Post (Number)	State Permit No. Existing	Date	Distance to Crossing from Mile Post (in feet)
			1760' W. of CURRIE Ft.

Existing				Proposed									
Type of Structure				Type of Structure									
<input checked="" type="checkbox"/> Wood <input type="checkbox"/> Steel				<input checked="" type="checkbox"/> Wood <input type="checkbox"/> Steel									
Conductors				Poles									
Span.	No. Size	Kind	Voltage	Location	Length	Class	Span.	No. Size	Kind	Voltage	Location	Length	Class
A-B	2-2	ACSR	4.8	A	45	2	A-B	2-2	ACSR	4.8	A	45	2
				B	50	2		1-1/0	ACSR	4.8	B	50	2

RECEIVED
 MAY 07 1991
 CORPORATE REAL ESTATE SERVICES

Summary of Line Changes (continue on separate sheet if necessary)
ADD 1-0ACSR 4800 VOLT WIRE TO EXISTING 2-2ACSR 4800 VOLT WIRES

ATTENTION R/W DEPT. : SEE RECORD # 33222, PERMIT # 68

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	31 Ft.
	Railroad Communication or Signal Lines	12.24 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 LARRY WITKOWSKI	Date 5-2-91	Checked By Jerry Smart	Date 5-2-91
Company Location ANN ARBOR	Phone No. 185-4038		

RECORDED RIGHT OF WAY NO. 33222-68

APPLICATION FOR WIRE OR CABLE LINE CROSSING UNDER/OVER PROPERTIES AND TRACK

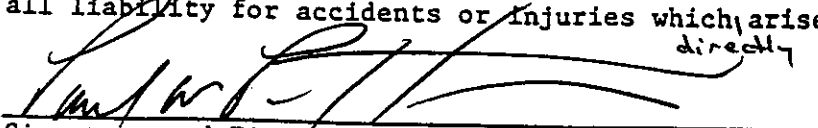
Plans for proposed installation shall be submitted to and meet the approval of the Railroad Company before construction is begun. Material and installation are to be in strict accordance with specifications of National Electrical Safety Code, current edition, and requirements of CSX Transportation. Original and nine (9) copies of this form shall be submitted, accompanied by ten (10) lettersize prints of a drawing showing plan, elevation section of crossing from field survey, location in respect to milepost, width of Railroad's right of way, and location of adjacent structures affecting crossing. **R.R. CROSSING # 1332 (EXISTING)**

1. Complete Legal Name of Applicant DETROIT EDISON COMPANY
Telephone: (313) 237-8000
2. Post Office Address 2000 SECOND AVENUE City DETROIT State MI. Zip 48226
3. Partnership - name and initials all partners, women - given and surnames before marriage and present _____
4. If incorporated, name of state in which incorporated _____ Municipality _____
5. Location 1760 feet WEST (direction) from nearest Milepost CURRIE RD. VS
6. Nearest Municipality: SALEM TWP. County: WASHTENAW State: MICHIGAN
7. Angle between center line of right of way and wire line will be _____ degrees.
8. Number of Railroad Company's tracks to be crossed 1. Number of pole lines crossed 1.
9. Alternating current _____ Voltage 4.8 KV No. of Phases 3 Hertz _____
10. Direct current _____ Voltage _____ Amperes _____
11. Height of wires above top of rail at 60°F 31 Feet 39" Sag in Spans at 60°F _____
12. Height of wires above Railroad communication and signal wires at 60°F 12 Ft 3"
13. Maximum voltage 4.8KV Maximum current _____
14. Maximum fault to ground current _____ Height of wire supports above ground level 43'
15. Material (encasement) _____
16. Outside diameter _____
17. Wall thickness _____
18. Total length within RR right of way 130'
19. Bury: Base of rail to top of casing _____
20. Bury: Not beneath tracks _____
21. Bury: Roadway ditches _____
22. Conductors - (a) Number 3 (b) AWG gauge Ø (c) Material ACSR
23. Type of wire supports WOOD POLES Size 50' False Dead Ends _____
24. Number of poles to be located on Railroad Company's right of way Ø
25. Distance from butt of pole to nearest rail of main track 84 Feet 6"
26. Distance from butt of pole to nearest rail of sidetrack _____ Feet _____
27. If additional wire line attachments or revisions are to be made to existing crossing, please advise date of agreement _____
28. Will line exclusively serve patron of Railroad? NO Name: _____
29. Will this line run parallel or approximately parallel to Railroad Company's tracks anywhere? NO Give approximate separation from our signal and telephone wires _____
30. Will line be located in public road right of way? _____ (If yes, show name, road number and right of way on print.) DOT/AAR Crossing No. _____

RECORDED HEIGHT OF RAY NO. 333222
268

If application is approved, applicant agrees to reimburse the Railroad for any cost^{directly} incurred by the Railroad incident to installation, maintenance, and/or supervision necessitated by this installation, and further agrees to assume all liability for accidents or injuries which arise as a result of this installation. ^{directly}

Date 5-22-91


 Signature and Title of Officer Signing Application
Paul W. Ponder, Director
Corporate Real Estate
 Name _____ Title _____ Telephone No. (313) 237-6746

Please print or type:

O.H. Railroad Crossing Permit

DE 963-3666 6-45 X (SE 32)

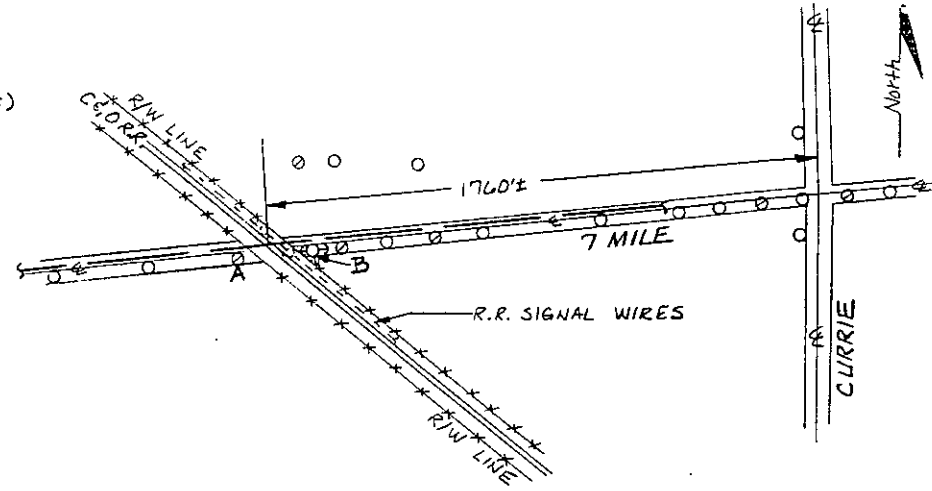
Proposed Line Crossing Over CSX TRANSPORTATION DO A-36790 RX 1332A (EXISTING)
 in 1760'± WEST of CURRIE RD. PARALLEL Existing Permit Number U 8412 (REC.#33222 PR.N.#68)
+o 7 MILE City of NORTHVILLE

Section N.E. 1/4 SEC. 10 Township SALEM T 18 R 7E County WASHTENAW

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 permit.

Span	Span Length	Lowest Conductor Over R.R. Tracks	Stringing Sag At 60°F	Sag Table	Rule Span	Final Sag Ratio
A-B	233'-6"	110 ACSR	39"	II	248'	1.37

Designed By LARRY WITKOWSKI Division ANN ARBOR
 Checked By Jerry Smart Date 5-2-91



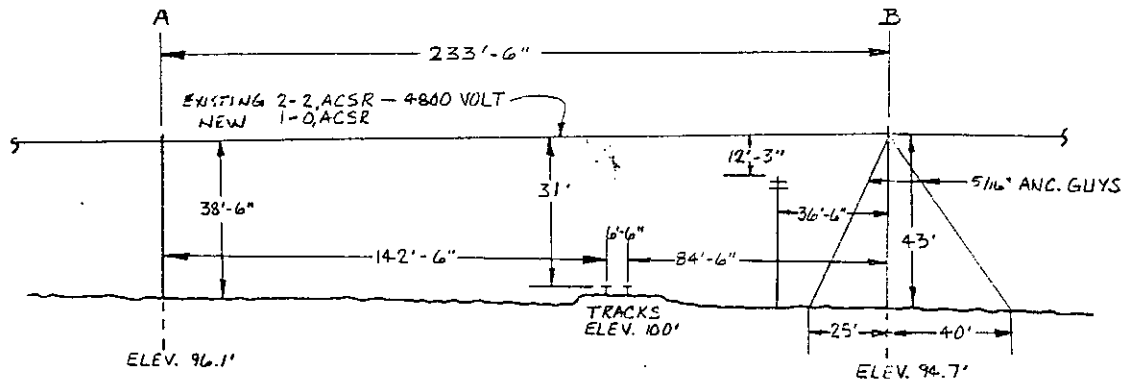
LOCATION SKETCH
1" = 400'

CONSTRUCTION NOTES

POLE	HT. & CLASS	DETAIL
A	45-2 (SET 6'-5")	DET. 13X30 (4.8KV)
B	50-2 (SET 7'-0")	DET. 13X30 (4.8KV)

322-511A
 VAL. SEC. 28 100 SALEM TWP.
 SUB. DIV. PLYMOUTH

APPROVED
R.F. Crown
 8-26-91



ELEVATIONS LOOKING NORTH

RECORDED RIGHT OF WAY NO. 33333 68

DATA SHEET TO ACCOMPANY DRAWING RX 1332

V-8412

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the Pere Marquette R.R. in Seven Mile Road or Section Line Road, N.E. $\frac{1}{4}$ Section 10, Town 1 South, Range 7 East, Salem Twp., Washtenaw County, Michigan.

Circuits

Proposed one 4800 volt, 60 cycle, 2 wire, single phase, distribution circuit.

Poles

Pole(B) 50' Idaho cedar, 23" top circumference, 44 $\frac{1}{2}$ " butt circumference at ground line set 7' in clay soil.

Pole(A) 45' Idaho cedar, 25" top circumference, 45 $\frac{1}{2}$ " butt circumference at ground line set 6'- 6" in clay soil.

Poles(C)(D) 40' Southern pine, 17" top circumference, 29" butt circumference at ground line set 6' in clay soil.

Guys and Guy Attachments

One 3/8" Guy from Pole(A) 36' above ground to Anchor(E) 40' from butt of Pole(A).

One 5/16" Guy from Pole(B) 36' above ground to Anchor(F) 25' from butt of Pole(B).

One 3/8" Guy from Pole(B) 36' above ground to Anchor(G) 40' from butt of Pole(B).

One $\frac{1}{2}$ " Guy from Pole(B) 38' above ground to Anchor(K) 25' from butt of Pole(B).

One $\frac{1}{2}$ " Guy from Pole(D) 32' above ground to Anchor(L) 25' from butt of Pole(D).

All steel guy wire double galvanized, stranded, 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.

Proposed one 3 $\frac{1}{4}$ " x 4 $\frac{1}{4}$ " x 96" Douglas fir, double buck arm on Pole(B).

Conductors

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

Blanket
warrant

RECORDED RIGHT OF WAY NO. 33222
968

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 & 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 24000 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.

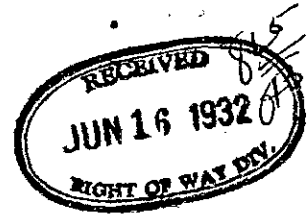
Note:

- 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.
- Stand. 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.

RECORDED RIGHT OF WAY NO. 33222
P.C.S.



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-8412

with 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 15th

day of June 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. 33222
p68

3563

3563

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-8412

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 Salem Township,)
Washtenaw County,)
Michigan;=)

In Seven Mile Road (Section Line Road)
in the NE $\frac{1}{4}$ of Section 10, with:

2 - #2 aluminum steel-cored wires,
4800 volts, single-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 Mich-
igan, this 15th day of June
A. D. 19 32.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

HAROLD J. WAPLES

Chairman,

KIT F. CLARDY

Commissioner,

ROBERT H. DUNN

Commissioner,

EDWARD T. FITZGERALD

Commissioner,

Countersigned

Roy H. Furkhiser

Secretary

HARRY C. McCLURE

Commissioner.

RECORDED RIGHT OF WAY NO. 33222
p68

R+ 1332

DO A-36790 RX 1332A (EXISTING)
 Existing Permit Number LI 8412 (REC.#33222 PERM.#68)
 City of NORTHVILLE
 Proposed Line Crossing Over CSX TRANSPORTATION
 In 1760'± WEST of CURRIE RD. PARALLEL
 to 7 MILE
 Section N.E. 1/4 SEC. 10 Township SALEM T 18 R 7E County WASHTENAW

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.

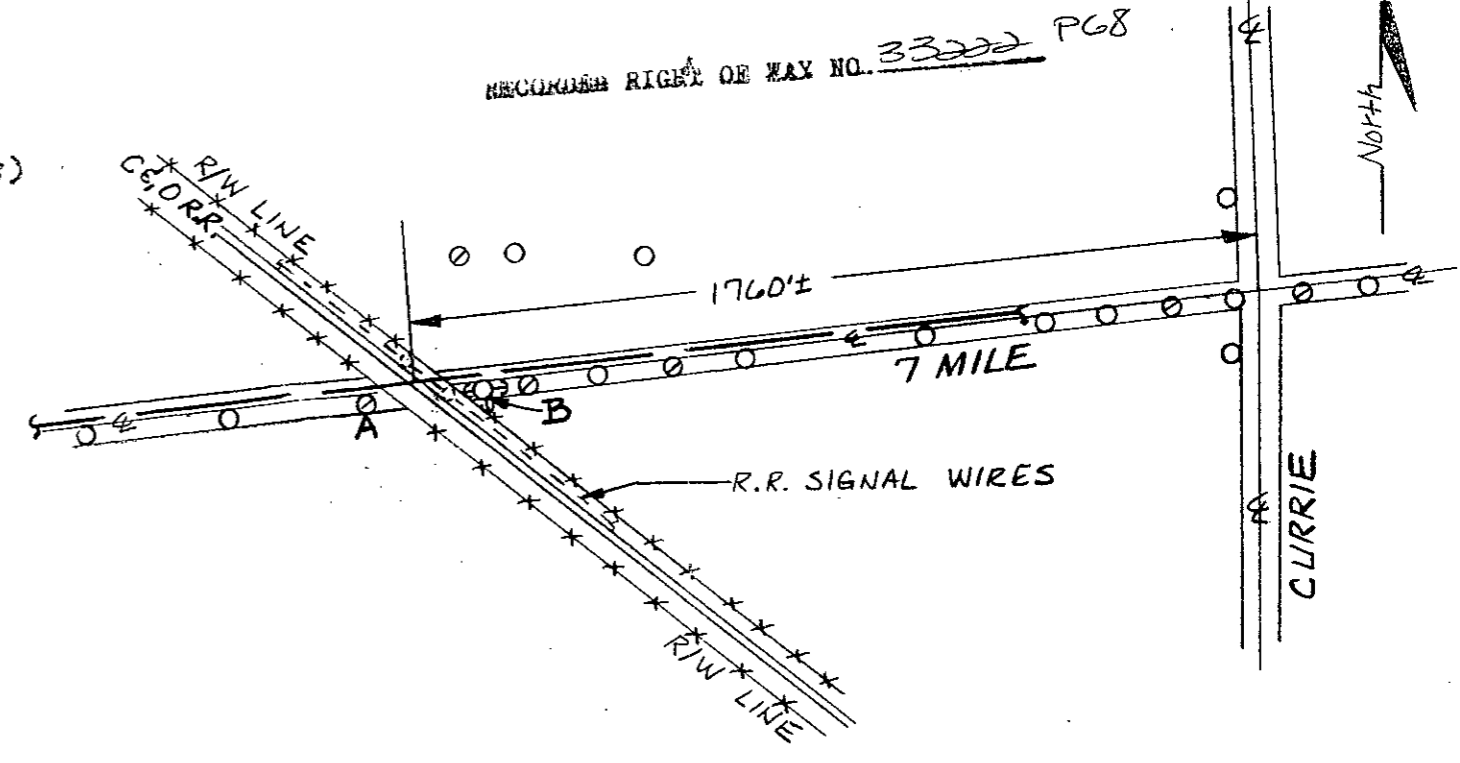
Span	Span Length	Lowest Conductor Over R.R. Tracks	Stringing Sag At 60°F	Sag Table	Rule Span	Final Sag Ratio
A-B	233'-6"	110 ACSR	39"	II	248'	1.37

Designed By LARRY WITKOWSKI Division ANN ARBOR
 Checked By Jerry Smart Date 5-2-91

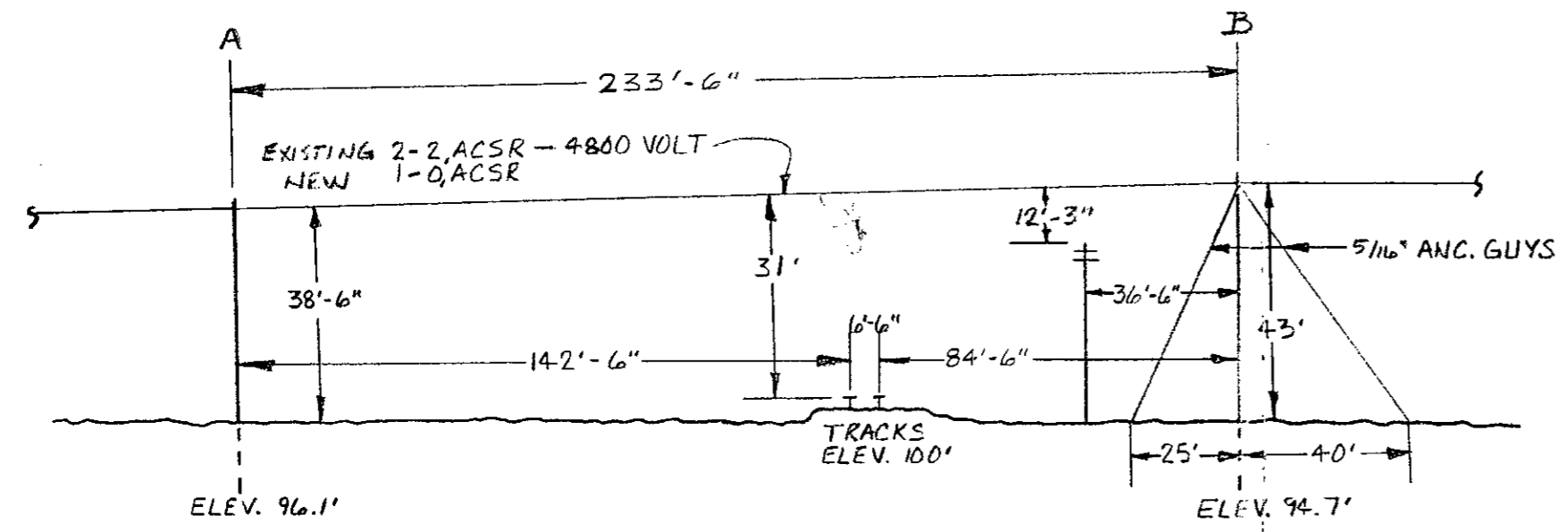
CONSTRUCTION NOTES

POLE	HT. & CLASS	DETAIL
A	45-2 (SET 6'-5")	DET. 13X30 (4.8KV)
B	50-2 (SET 7'-0")	DET. 13X30 (4.8KV)

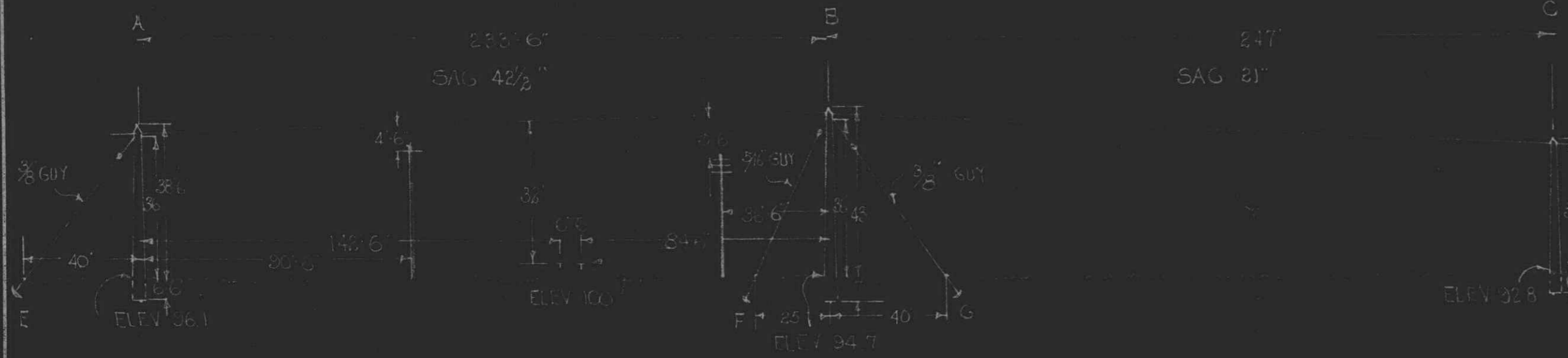
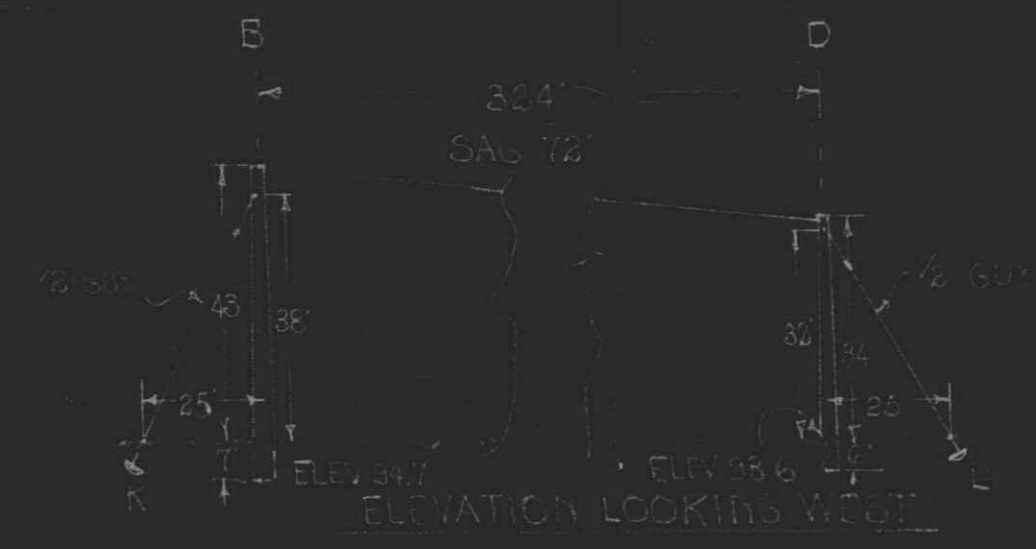
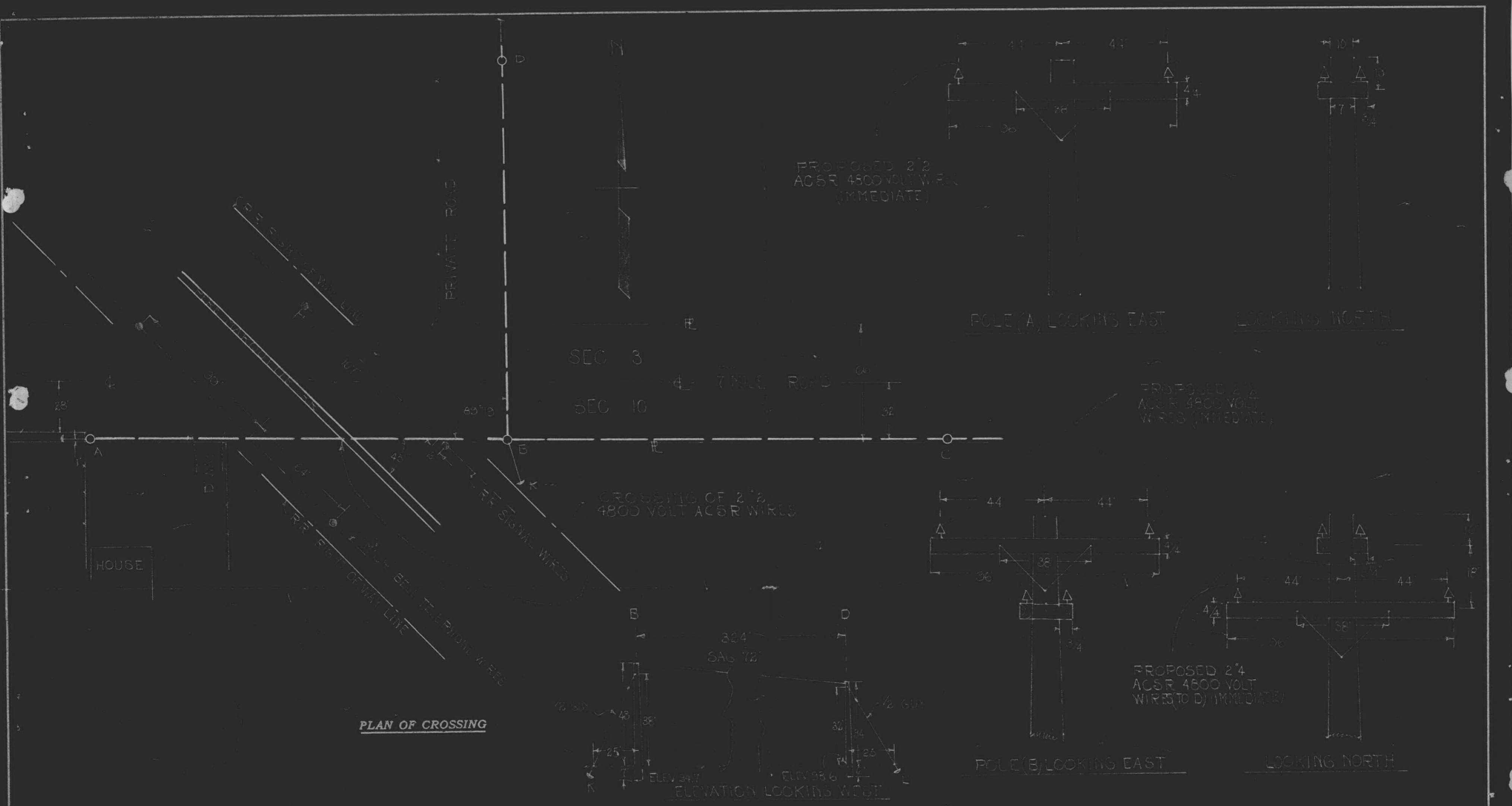
RECORDED RIGHT OF WAY NO. 33222 PG 8



LOCATION SKETCH
1" = 400'



ELEVATIONS LOOKING NORTH



PURPOSE OF LINE
EXTENSION OF RURAL
DISTRIBUTION

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
J. B. ...
CHIEF ENGINEER
U-8712 DATE JUN 15 1932

RECORDED ROW FILE #
R33222P68

CITY _____
COUNTY WASHTEENAW
TOWNSHIP SALEM
SURVEY NO. OF TWP. 1 SOUTH
RANGE NO. 7 EAST
SECTION NO. NE 4 SEC 10

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH.
PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER PQR MARQUETTE RR
DRAWN BY ECH DATE 6-9-32
CHECKED BY DATE 6-15-32

PALMITER NORTHVILLE

DRAFTING & SURVEYING BUREAU RX # 1332

JUN 13 1932

RECEIVED
MICHIGAN PUBLIC UTILITIES
COMMISSION
JUN 15 1932
ANS'D _____

33222 P68

RECORDED RIGHT OF WAY NO. 33222
P68