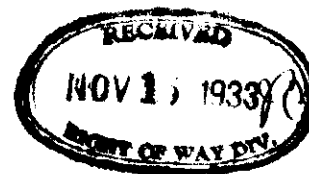


"DEPENDABLE
SERVICE"

DETROIT, TOLEDO AND IRONTON RAILROAD COMPANY

General Offices
Dearborn, Michigan



Michigan Public Utilities Commission,
Lansing,
Michigan.

November 14, 1933.

File 55-1502

Gentlemen:

The Detroit Edison Company, on November 9, 1933, requested permission to cross the tracks of the Detroit, Toledo and Ironton Railroad Company at the following locations in the Village of Ecorse, Michigan:-

1. The main track 35 feet southwesterly of the centerline of Great Lakes Avenue.
2. Side Track No. 1 (spur to Great Lakes Engineering Co.) 148 feet from the crossing mentioned above, measured parallel to the centerline of the D. T. & I. R.R. Co.'s main track and 77 feet easterly from it.

with one 24,000 volt, 60 cycle, 3-wire transmission circuit, as shown on Detroit Edison Company Drawing RX No. 151-A, dated November 2, 1933, to serve the Murray Body Corporation.

We hereby grant waiver of hearing before your Commission in the matter of making the above crossings, providing all work is done in accordance with your requirements, as shown on Detroit Edison Company Drawing RX No. 151-A, dated November 2, 1933, and that the Edison Company assumes all cost of the construction, use, operation, maintenance, repair and renewal of said crossings, together with all liability in connection therewith.

Very truly yours,

S. P. Ruddiman
S. P. RUDDIMAN,
President.

FWK:TS

CC - The Detroit Edison Company,
2000 Second Blvd., Detroit, Michigan.
Attention: Mr. F. L. Hinks, Right of Way Agent.

RECORDED RIGHT OF WAY NO.

30190 P34

157A
U-8765

Guy Clamps

Serve 5/16" x 3/8", 1/2" and 6M guys at pole end.
One 3-bolt clamp at anchor end on 5/16" and 3/8" guys.
Two 7/16" U-bolt clamps at anchor end of 1/2" & both ends of 16M guys.
Two 3-bolt clamps at both ends of 5/16" copperweld guys.

Guy Insulators

O.B. #26500 (or equivalent) in 5/16", 3/8" and 6M guys.
O.B. #25009 (or equivalent) in 1/2", 10M, and 5/16" copperweld guys.
Two insulators per guy for 24,000 volt circuits, and one per guy for distribution circuits.

Guy Anchors

On 5/16", 3/8" and 6M guys - 8" cone anchor set 5-1/2' deep.
On 10M, 1/2" steel, and 5/16" copperweld guys - 8" expanding anchor set 7-1/2' deep.
On 16M guy, one concrete anchor (8 cu. ft. concrete) 6-1/2' deep.

Anchor Rods

On 5/16", 3/8" and 6M guys - 5/8" x 6' round galvanized steel.
On 1/2", 5/16" copperweld, 10M, 16M - 3/4" x 8' round galvanized steel.

Crossarm Attachments

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

Pins

Locust 1-3/4" x 13-3/4" x 1-3/8" on arms and 3-3/4" x 3-3/4" x 17" pole top for 24,000 volt circuits.
Locust 1-1/2" x 9" x 1" on 3-1/4" x 4-1/4" arms, and 1-3/4" x 10" x 1" on 3-3/4" x 4-3/4" arms, for all other circuits.

Insulators

24 kv. circuits - one O.B. #11623 (or equivalent) porcelain pin type and six Thomas #1162 (or equivalent) disk type for dead-end construction, or two O.B. #11623 (or equivalent) for double pin construction.
4800 volt, series lighting, and private telephone circuits - two O.B. #12847 (or equivalent) pin type per wire.
120-240 volt circuits - two Hemingray #20 (or equivalent) glass pin type per wire.

Note

For strain type construction - on 4800 volt and series lighting circuits, two Lapp #6810 (or equivalent) strain insulators and one O.B. #12847 (or equivalent).
On 120-240 volt circuits - two O.B. #25009 (or equivalent) strain and one Hemingray #20 (or equivalent) glass pin type.

Ties

Standard top groove tie on 24,000 volt, 4800 volt series lighting and private telephone circuits.
Standard side groove tie on 120-240 volt circuits.
Tie wire - #8 soft bare copper on 24,000 volt, and bare telephone wires. #6 or #8 soft solid weatherproof copper for all conductors having weatherproof covering.
Aluminum armor rods and #10 galvanized iron tie wire for A.C.S.R. conductors.

10
DATA SHEET TO ACCOMPANY DRAWING RX 151 A

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the Detroit, Toledo & Ironton R.R. tracks in Great Lakes Ave. and approx. 150' S.W. of Great Lakes Ave., P.C. 42, Village of Ecorse, Wayne County, Michigan.

Circuits

Proposed one 24000 volt, 60 cycle, 3 wire transmission circuit, spans (A to C) & (C to J).
 Existing two 4800 volt, 60 cycle, 3 wire, 3 phase distribution circuit, span (A to F).
 Existing one 70 volt, 13 cycle, 2 wire, signal wire circuit, span (A to F).
 Existing one 4800 volt, 60 cycle, 3 wire, 3 phase distribution circuit, span (C to J).

Poles

Poles (D)(E)(G)(H)(I) 45' Idaho cedar, 23" top circumference, 42 $\frac{1}{2}$ " butt circumference at ground line set 6'-6" in clay soil.
 Poles (B)(C) 50' Idaho cedar, 25" top circumference, 47 $\frac{1}{2}$ " 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.
 Pole (F) 45' Idaho cedar, 27" top circumference, 48" butt circumference at ground line set 6'-6" in clay soil.
 Pole (J) 40' Idaho cedar, 23" top circumference, 42 $\frac{1}{2}$ " butt circumference at ground line set 6' in clay soil.

Guys and Guy Attachments

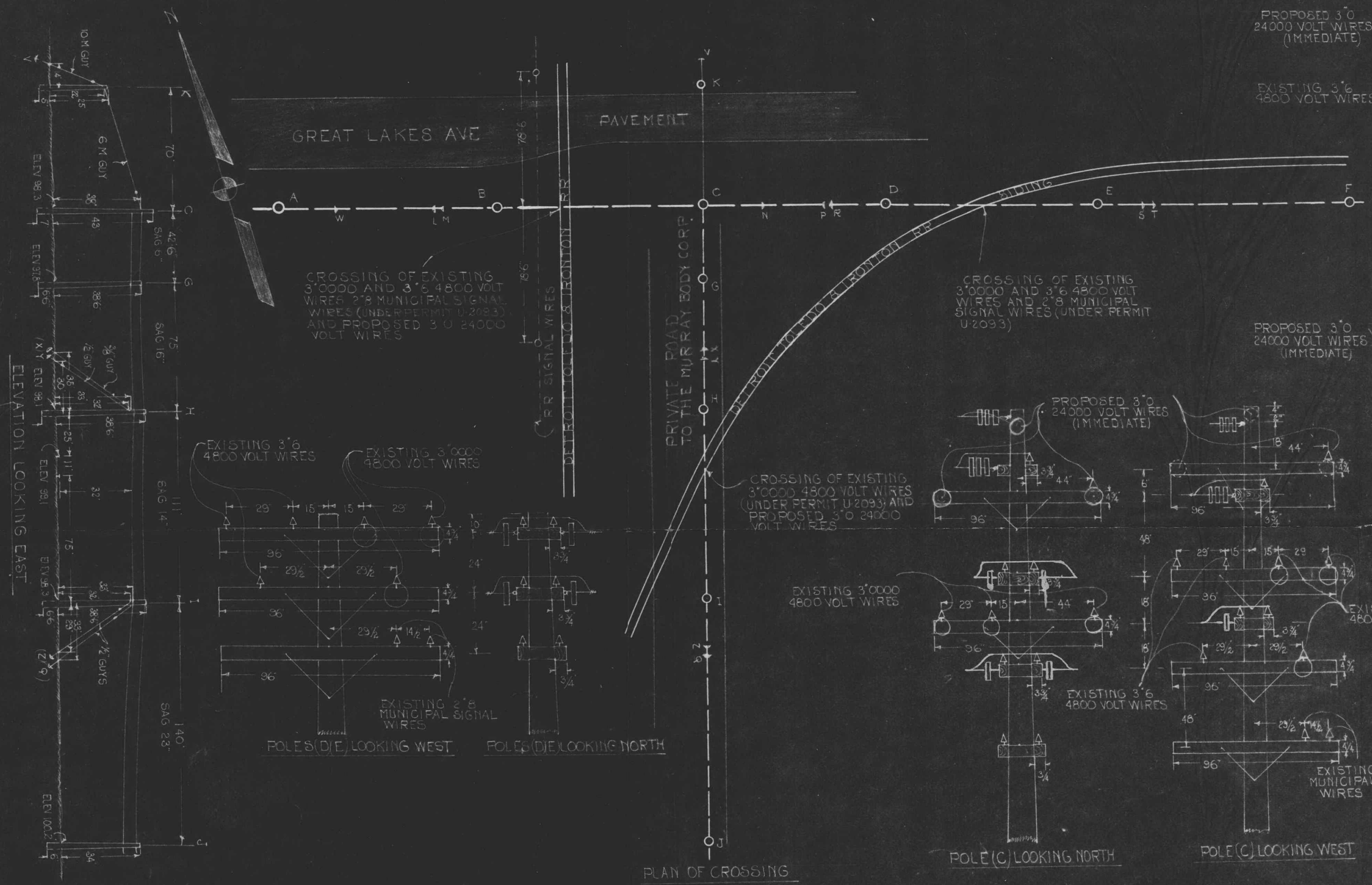
One 6M Guy from Pole (A) 32' above ground to Anchor (W) 32' from butt of Pole (A).
 Two $\frac{1}{2}$ " Guys from Pole (B) 35', 37' above ground to Anchors (M)(L) 32', 37' from butt of Pole (B).
 One $\frac{1}{2}$ " Guy from Pole (C) 38' above ground to Anchor (N) 34' from butt of Pole (C).
 Two $\frac{1}{2}$ " Guys from Pole (D) 35', 37' above ground to Anchors (R)(P) 32', 35' from butt of Pole (D).
 Two $\frac{1}{2}$ " Guys from Pole (E) 35', 37' above ground to Anchors (S)(T) 27', 33' from butt of Pole (E).
 Two $\frac{1}{2}$ " Guys from Pole (I) 32', 33' above ground to Anchors (Z)(Q) 29', 33' from butt of Pole (I).
 One $\frac{1}{2}$ " Guy from Pole (H) 32' above ground to Anchor (Y) 30' from butt of Pole (H).
 One 3/8" Guy from Pole (H) 33' above ground to Anchor (X) 35' from butt of Pole (H).
 One 6M Guy from Pole (C) 38' above ground to Stub (K) 22' above ground.
 One 10M Guy from Stub (K) 22' above ground to Anchor (V) 14' from butt of Stub (K).
 All guy wire double galvanized stranded steel with a minimum ultimate strength of 55000 lbs. per square inch (except those specified).

Cross Arms

Proposed one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir, double cross arm on Poles (B)(C)(H)(I).
 Existing two 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir, double cross arms on Poles (B)(C)(D)(E).
 Existing one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir, double cross arm on Poles (E)(C)(D)(E).
 Proposed one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir, double buck arm on Pole (C).
 Existing one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir, double buck arm on Pole (C).
 Existing one 3 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 96" Douglas fir, double cross arm on Poles (H)(I).

Conductors

Proposed 3 #0 medium hard drawn, stranded bare copper wires. (A to C)(C to J).
 Existing 3 #0000 medium hard drawn, stranded T.B.W.P. copper wires. (A to F) & (C to J).
 Existing 3 #6 medium hard drawn, solid, T.B.W.P. copper wires. (A to F).
 Existing 2 #8 medium hard drawn, solid, bare copper municipal signal wires (A to F).



CROSSING OF EXISTING 3'0000 AND 3'6 4800 VOLT WIRES (UNDER PERMIT U-2093) AND PROPOSED 3'0 24000 VOLT WIRES

CROSSING OF EXISTING 3'0000 AND 3'6 4800 VOLT WIRES AND 2'8 MUNICIPAL SIGNAL WIRES (UNDER PERMIT U-2093)

CROSSING OF EXISTING 3'0000 4800 VOLT WIRES (UNDER PERMIT U-2093) AND PROPOSED 3'0 24000 VOLT WIRES

PROPOSED 3'0 24000 VOLT WIRES (IMMEDIATE)

EXISTING 3'6 4800 VOLT WIRES

PROPOSED 3'0 24000 VOLT WIRES (IMMEDIATE)

PROPOSED 3'0 24000 VOLT WIRES (IMMEDIATE)

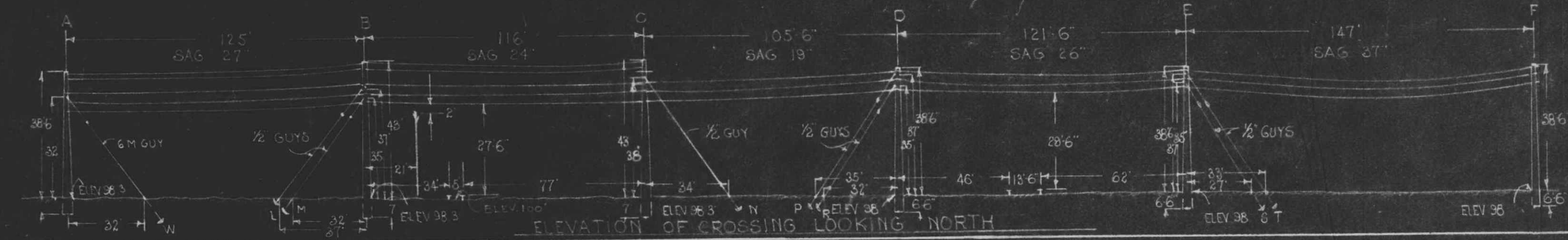
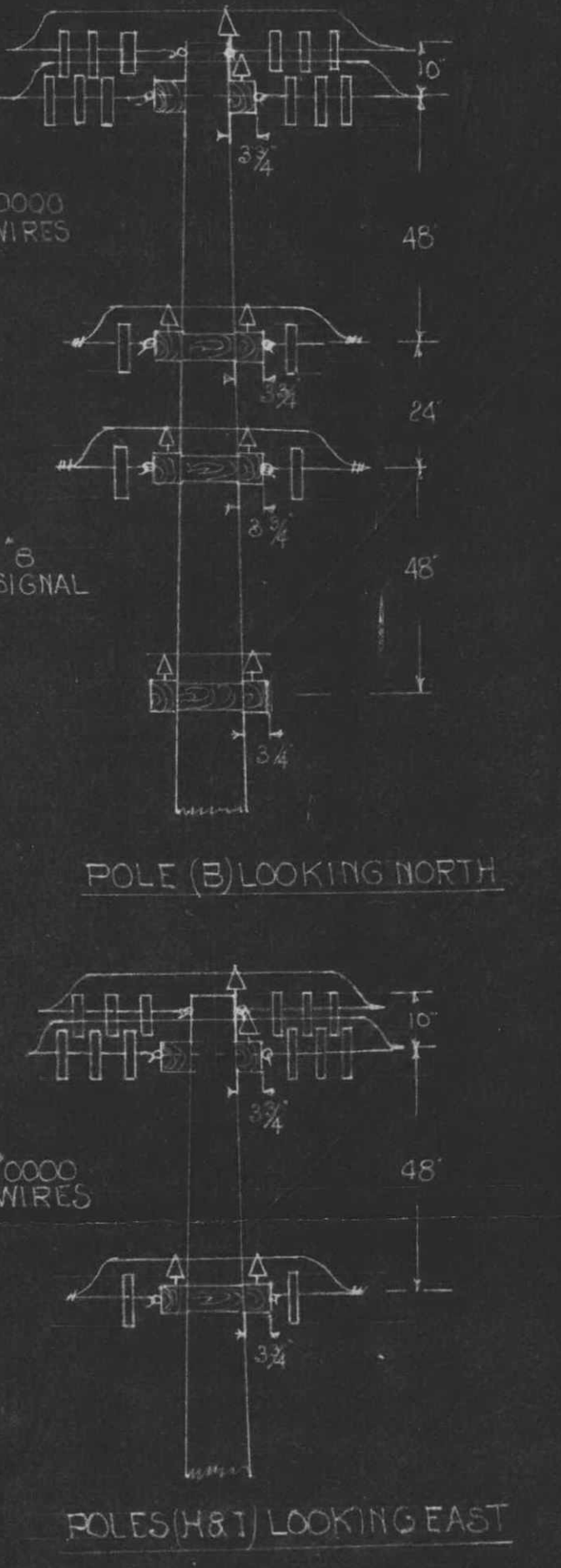
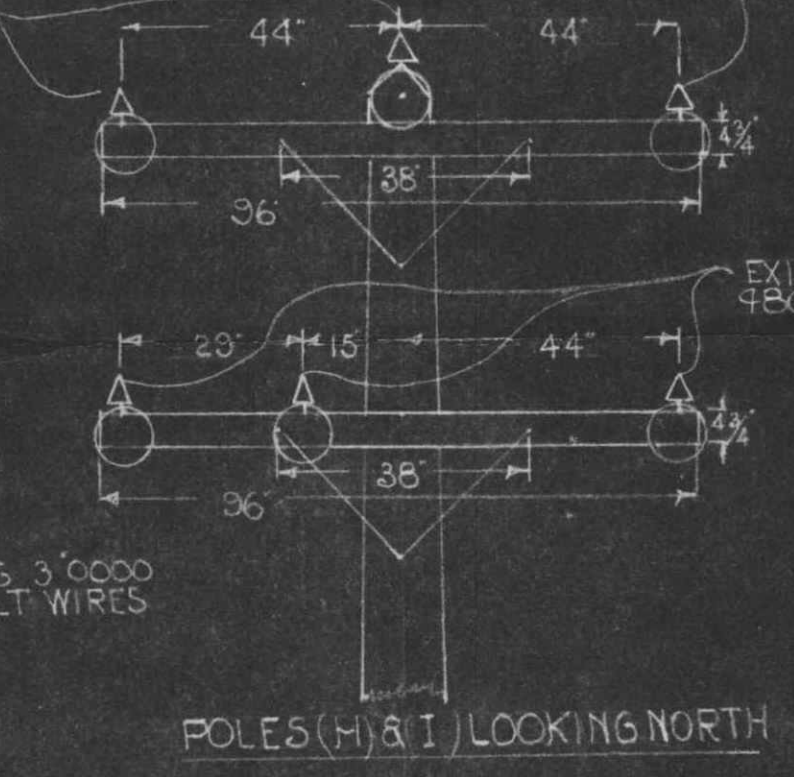
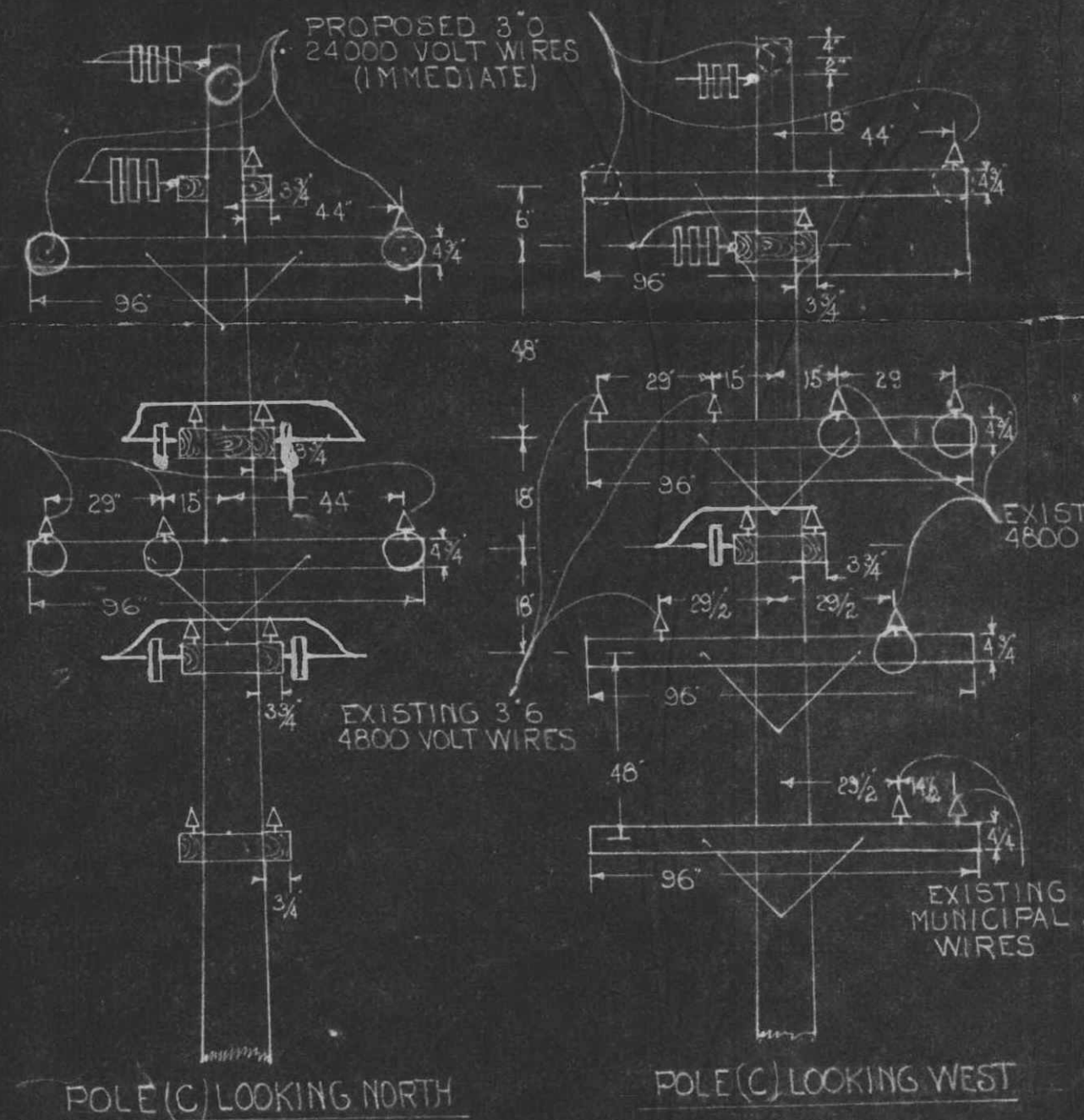
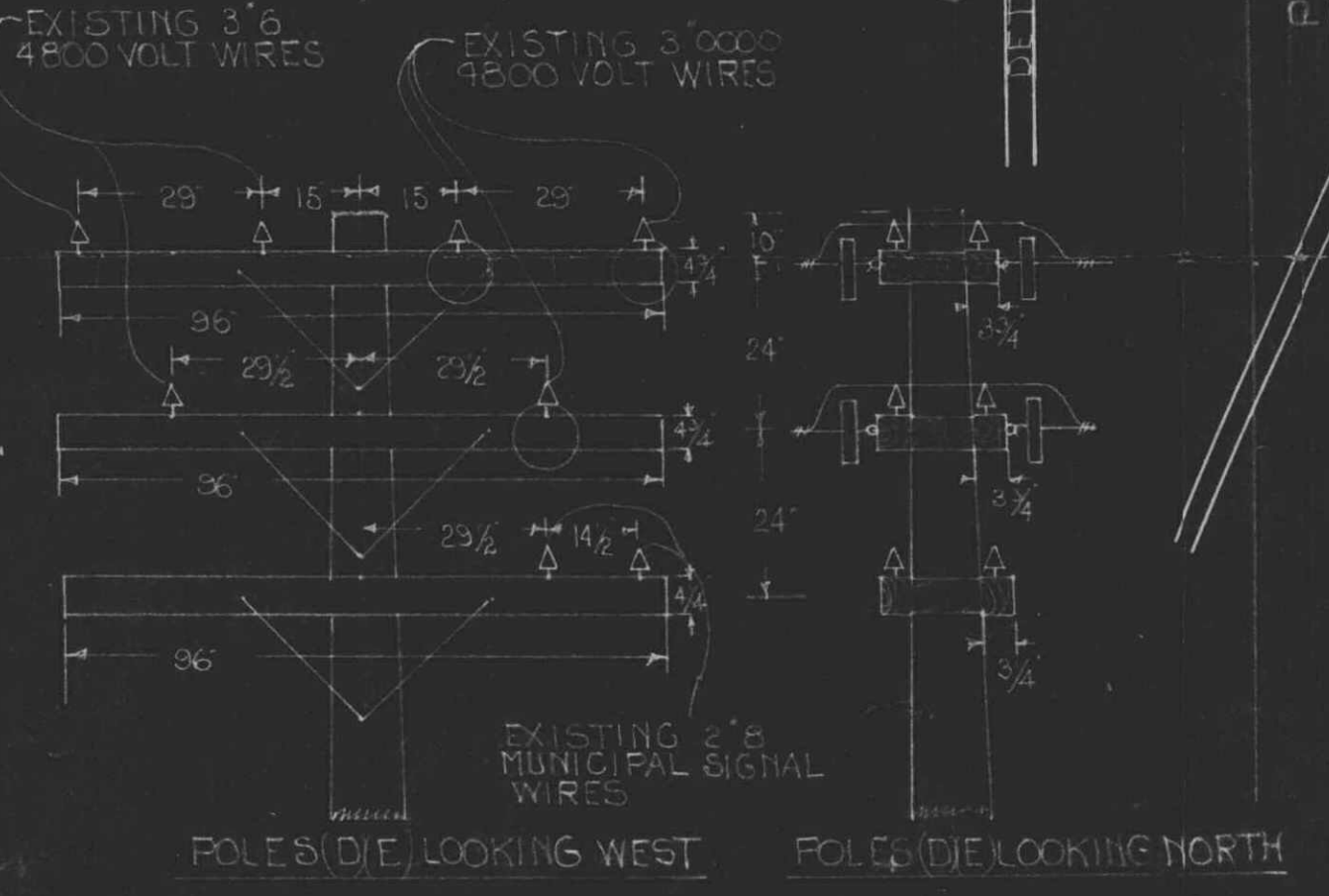
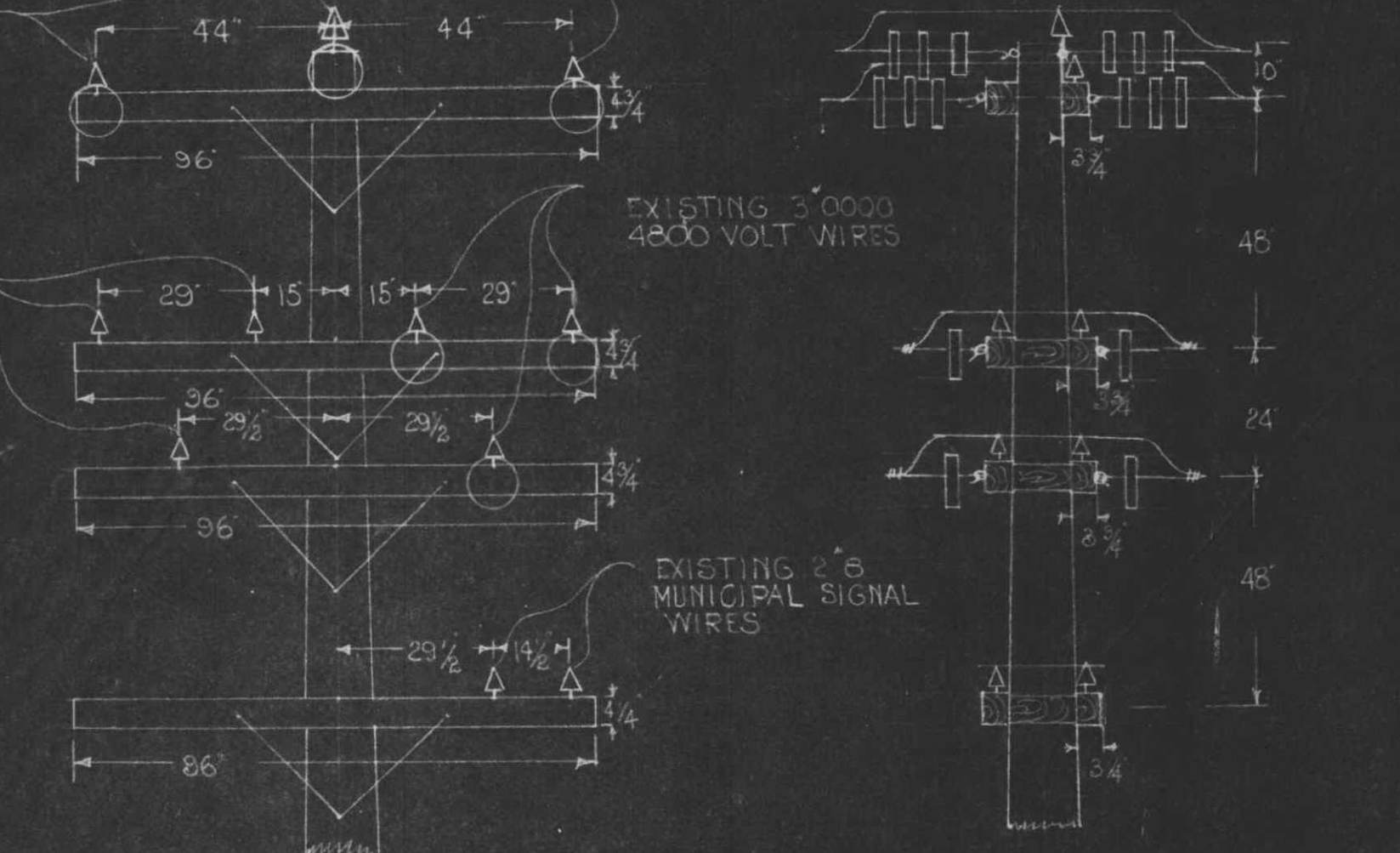
EXISTING 3'0000 4800 VOLT WIRES

EXISTING 3'6 4800 VOLT WIRES

EXISTING 2'8 MUNICIPAL SIGNAL WIRES

EXISTING 2'8 MUNICIPAL SIGNAL WIRES

PURPOSE OF LINE
24 KV FEED TO NEW EQUIPMENT FOR MURRAY BODY CORP



TINETTE WAYNE

APPROVED FOR MICHIGAN PUBLIC UTILITIES COMMISSION
DATE NOV 10 1933

THE DETROIT EDISON CO
PLAN SUBMITTED TO MICH PUBLIC UTILITIES COMMISSION
FOR 24000 VOLT CROSSING OVER DETROIT TOLEDO & IRONSTONE R.R.
DRAWN BY E.F.H. DATE 11-1-33
CHECKED BY DATE 11-2-33

DRAFTING & SURVEYING BUREAU RX # 151 A

RECORDED RIGHT OF WAY NO. 30190 P34

RECEIVED
MICHIGAN PUBLIC UTILITIES
COMMISSION
NOV 10 1933
MSD