

Detroit Edison



A DTE Energy Company

DISTRIBUTION OPERATIONS

Permanent Project No.: BT9912
Job Project No.: BST0503208
RFW No.: 585454
RX/Occpt No.: 306E

Date: May 15, 2006
To: LaTonya Causey
Records Center, 2086 WCB
From: Tom Wilson, SR/WA *TW*
Redford Service Center
Subject: Wire Crossing of Railroad Tracks

Attached are papers related to the notification, dated March 23, 2005, to CSX Transportation Company, about re-constructing the above-mentioned overhead crossing in the NE ¼ of Section 16, City of Port Huron, Port Huron Township, St. Clair County, Michigan.

The Service Center is notified to build the crossing as requested. **Note: All construction work associated with aerial or underground crossings of railroad tracks requires that you notify the operating railroad as to the actual date of construction, in advance of any work.**

Please incorporate these papers related to this revised crossing into Railroad Recorded ROW Record Center File R29710P16.
Thanks

Attachments
cc: John Rushton (Marysville SC)

RECORDED R/W FILE NO.

29710P16

February 9, 2006
CSX File No. CSX-029357-759 ø
Customer Reference No.: BT9912,
RX306E

Mr. Thomas Wilson, SR/WA
Real Estate Facilitator
Detroit Edison Company
12000 Dixie Road
Redford, MI 48239-2453

Dear Mr. Wilson:

I have received your letter dated July 5, 2005, concerning the installation of a wireline crossing, located within the confines of a public street right-of-way, located at Valuation Station 4556+04, Milepost CBD-88.48, at Port Huron, Michigan, without the benefit of an agreement with CSX Transportation, Inc.

Although you have asserted that your company possesses the right to use public roadways or highways, it does not have the right, under State or Federal Statute nor under operating practices of the interstate rail carriers, to cross over/under operated tracks without consent of the rail carrier, and without adequate protection for the safety and operations interest of the rail carrier.

Entry upon CSXT's property signifies your acknowledgement that your company, not CSXT, will be responsible for any harm or damage caused by your employees or those of your contractor while they are on site, nor which occurs during or as a result of the construction of (or any activity concerning) the wireline. In addition, CSXT will look to your company to provide continuing maintenance of the wireline installations and, after they have served your purposes, to remove same and restore the railroad's property to its former condition.

No work is to be performed on CSXT property without Roadmaster's authorization.

It is your responsibility to schedule any work on CSXT property with CSXT Roadmaster by following these steps:

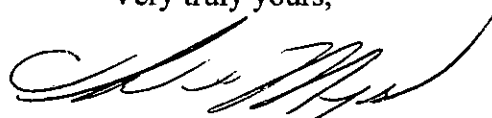
1. Submit the completed Flagging Request Form (attached) by fax to (904) 359-7665 at least thirty (30) days in advance of the date you desire to commence the project.
2. An Outside Party Number (OP Number) will be assigned by CSXT and provided to the Project Contact listed on the form.

RECORDED R/W FILE NO. 29710P16

February 9, 2006

3. Fax the completed Flagging Form including the OP Number to the CSXT Roadmaster at the fax number provided on the Flagging Form.
NOTE: A Flagging Form will not be accepted without an OP Number.
4. Arrange necessary signal locates by contacting the local CSXT Manager Signals at the phone number provided on the completed Flagging Form.
5. If no response is received after one week of faxing notification to the CSXT Roadmaster, follow up by calling the Roadmaster's office (ideally between the hours of 6:30 AM and 8:30AM) at the telephone number provided on the completed Flagging Form.

Very truly yours,



Charles F. Myers

Attachment

RECORDED R/W FILE NO. 29710P16



FLAGGING REQUEST FORM

To Obtain Outside Party Number Submit Completed Form by FAX to: (904) 359-7665
Or by mail to: Property Services – Flagging Project, 500 Water St, J180, Jacksonville, FL 32202

****OUTSIDE PARTY (OP) NUMBER:**

****To Be Completed by CSXT**

Public Right-of-Way Consent

Letter/CSXT File Number:

CSX-029357-759

Dated: **February 8, 2006**

Licensee Name:

DETROIT EDISON COMPANY

Licensee's Ref. Number:

BT9912, RX306E

City: **Port Huron**

County: **Saint Clair**

State: **Michigan**

Railroad Milepost:

CBD-88.48

Division: **Western**

Subdivision: **Port Huron**

Project Description:

Installation of electrical power only, through or on metal strand wire(s) wireline.

*****All information must be TYPED or CLEARLY PRINTED.*****

DATE OF REQUEST:

REQUESTED START DATE:

Billing Information: *Please provide the Current Billing Information*

Contact Name:

Telephone:

Company Name:

Address:

City:

State:

Zip:

Fax:

Email Address:

Project Contact Information: *Provide Current Project Contact Information if different from Billing Information*

Contact Name:

Telephone:

Company Name:

Address:

City:

State:

Zip:

Fax:

Email Address:

Outside Party Number Should be Provided via: (Check One) Phone Fax Email

1. An Outside Party (OP) Number will be assigned by CSXT and provided to the Project Contact listed on the form.
2. FAX the completed Flagging Form including the OP Number to the CSXT Roadmaster at the fax number provided.
NOTE: Roadmaster will not accept Flagging Form without an OP Number.
3. Arrange necessary signal locates by contacting the local CSXT Manager Signals at the numbers provided.
4. If no response is received after one week of faxing notification to the CSXT Roadmaster, follow up by calling the Roadmaster's office at the number provided (ideally between the hours of 6:30 AM and 8:30 AM).

-----Any questions about the form should be directed to 904-359-3404. -----

CSXT Contact Information: *To be Completed by CSXT*

ROADMASTER:

FAX: **(519) 351-5075**

Phone: **(519) 351-5074**

SIGNAL MGR:

FAX:

Phone:

FOR RAILROAD USE ONLY – TO BE COMPLETED BY SIGNAL DEPT: FAX TO (904) 359-7665

Signal Locate Required (circle one): Y or N

Signal Locate Complete (circle one): Y or N

Employee Name:

Vehicle: Y or N

Vehicle ID #:

CSX ID Number:

Date(s) of Work:

Expense Acct: Y or N

FOR RAILROAD USE ONLY – TO BE COMPLETED BY FLAGMAN: FAX TO (904) 359-7665

Employee Name:

CSX ID Number:

Date Work Performed:

On Duty Time:

Off Duty Time:

Is Project Complete? Y or N

If YES indicate date Completed:

Expense Account: Y or N

Vehicle: Y or N

Vehicle ID #:

Contractor's Signature

Printed Name/Title:

Flagman's Signature

Printed Name/Title:

RECORDED R/W FILE NO. 29710916

Detroit Edison



DISTRIBUTION OPERATIONS

March 23, 2005

Mr. Charles F. Myers- SC J180
Manager Contract Administration.
CSX Transportation
500 Water Street
Jacksonville, Florida 32202-4423

Re: Wire Crossing Notification

Dear Mr. Myers:

This letter is your notice of the planned reconstruction of overhead line facilities, crossing over your railroad tracks, within the 16th Street, Road right-of-way area, by the Detroit Edison Company, in the NE ¼ of Section 16, City of Port Huron, Port Huron Township, St. Clair County, Michigan, as described on the enclosed drawings and information forms.

1. Location: Along and parallel with the west side of 16th Street, approximately 300 feet south of Cedar Street and 2,028 feet east of the tunnel.
2. Detroit Edison Project and Crossing Nos.: BT9912, RX306E.
3. This is maintenance of an existing crossing (Previous MPSC Permit No. ED286552 /Date: May 5, 1970. Information on this crossing is retained in Edison ROW File No. R29710P16.
4. Please indicate your:
 - R.R. Valuation Station No. _____ 4556+04
 - R.R. Mile Post No. _____ 88.48
 - 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.

Michigan law (section 265{3} of the railroad code of 1993 {MCLA 462.265}) requires you to respond within 30 calendar days of the receipt of this notification. In the event you do not respond within 45 days of the receipt of this letter, our crews will be instructed to begin work.

Please contact me on (313) 235-2168 if you have any questions.

Sincerely,

Thomas Wilson, SR/WA
Real Estate Facilitator
WilsonT@dteenergy.com

cc: John Rushton (Marysville Service Center)
Attachments

RECORDED R/W FILE NO. 29710P16



APPLICATION FOR WIRE OR CABLE LINES CROSSING OR PARALLELING PROPERTIES AND TRACK

Submit one original and one copy of both the application and drawing along with a \$750.00 nonrefundable Application Fee to CSX Transportation, Property Services J180, 500 Water Street, Jacksonville, FL 32202.

Application and plans must be approved and written authority received from the Railroad before construction is begun. Your proposal and construction must be in accordance with CSXT's Specifications, the National Electrical Safety Code, and any governing laws or regulations. Note: Specifications furnished in the Application Package are to be used as a guideline only. CSXT reserves the right to approve or decline any application.

PLEASE SIGN BEFORE COMPLETING:

Agreement No.: CSX-029357-759

I affirm the information I am furnishing in this application will comply with the NESC Standards and accurately reflects the proposed construction plans:

Signature: Tom Wilson

Application Date: July 5, 2005

Project Owner Information:	<input type="checkbox"/> Check here if agreement should be mailed to this address
1. Complete <u>Legal Name</u> of applicant as it would appear in a legal document (<u>inaccurate information will delay your request</u>): <u>Detroit Edison Company</u>	
2. Company Contact Name: <u>Tom Wilson</u> Title: <u>Real Estate Facilitator</u>	
3. Telephone: <u>(313) 235-2168</u> Fax: <u>(313) 235-2213</u> E-Mail: <u>WilsonT@DTEEnergy.com</u> Company Emergency Contact Number (in case of derailment, fallen wire/pole, etc.): _____	
4. Street Address: _____ City: _____ State: _____ Zip: _____	
5. Type of business: <input checked="" type="checkbox"/> Corporation (State of incorporation <u>Michigan</u>) <input type="checkbox"/> Partnership (Type and State of Partnership _____) <input type="checkbox"/> Individual <input type="checkbox"/> Developer <input type="checkbox"/> Municipality <input type="checkbox"/> Other	

Engineer/Consultant Information:	<input type="checkbox"/> Check here if agreement should be mailed to this address
6. Company Name: _____	
7. Company Contact Name: _____ Title: _____	
8. Telephone: () _____ Fax: () _____ E-Mail: _____	
9. Street Address: _____ City: _____ State: _____ Zip: _____	

Project Information:	(Note: Metric Information will NOT be accepted.)
10. Is this installation: <input type="checkbox"/> New <input type="checkbox"/> Revision to existing <input type="checkbox"/> Attachment to existing <input checked="" type="checkbox"/> Upgrade to existing	
11. If not a new installation, furnish existing Agreement Number: <u>BT 1267, RX 306E</u>	
12. If this installation is to be a supplement to your master (general) agreement, furnish: Agreement Number: _____ Date: _____	
13. Your Reference Number: _____	
14. Town Location: <u>PORT HURON</u> County: <u>ST. CLAIR</u> State/Province: <u>MI.</u>	
15. Type of Crossing: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> CATV <input type="checkbox"/> Telephone <input type="checkbox"/> Communications <input type="checkbox"/> Other (explain): _____	
16. Crossing is dedicated to: <input type="checkbox"/> Trunk <input checked="" type="checkbox"/> Distribution <input type="checkbox"/> Transmission <input type="checkbox"/> Other	
17. Conductor Material: <input type="checkbox"/> Copper <input checked="" type="checkbox"/> Aluminum <input type="checkbox"/> Fiber Optic & Fiber Count _____	
18. <input checked="" type="checkbox"/> AC / <input type="checkbox"/> DC : Voltage: <u>40KV</u> No. of Phases: _____ Amperes: _____ Hertz: _____	
19. Maximum Voltage: <u>40KV</u> Maximum Current: _____	
20. Maximum Fault to Ground: _____ 21. AWG Gauge: <u>636</u>	
21. Is this both a Crossing and Parallelism? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

(Form continued on Page 2)

RECORDED RW FILE NO. 29710P16

Project Information Cont'd:

22. Number of tracks to be crossed: 2 Angle of crossing 90 DEGREES

23. Crossing location: 88 feet 2579 (direction) from Railroad Milepost: EAST
 If known: Valuation Station: _____ Valuation Map Number: _____
 If known: Latitude/Longitude: _____
 If known: Street Address of Crossing/Parallelism: 16TH STREET

24. Parallelism location: Beginning: _____ feet (direction) from RR Milepost: _____
 and Ending: _____ feet (direction) from RR Milepost: _____

25. Total length on Railroad R/W: 325 Length Crossing: 325 Length Paralleling: _____

26. Will line be located entirely within a public road right-of-way? Yes No
 ** If you answered yes, road name, number, and width of public right-of-way are required on drawing
 DOT/AAR Crossing Number: _____

27. a) Will this occupancy connect to an existing facility within Railroad corridor? Yes No
 b) If Yes, name facility owner(s): _____

28. Number of Manholes Handholes Pull boxes Other (describe) _____
 to be located within Railroad corridor. Dimensions of ancillary structures are required on drawing.

29. Distance from manholes/handholes/pull boxes/other to nearest track: _____

30. Number of: new poles existing poles _____ to be utilized on Railroad R/W

31. Owner of existing poles to be utilized within Railroad R/W: _____

32. Distance from butt of pole(s) utilized to nearest rail of track: _____

33. Underground facilities: (For the purpose of this application, Conduit or Innerduct shall mean a single duct or pipe suitable for housing cables or wires).
 Total buried length on Railroad R/W: _____ If power, total number circuits: _____
 Number of Conduit(s): _____ Total Filled Conduit(s): _____ Total Empty Conduit(s): _____
 Number of Cables or Lines in each Conduit: _____
 Number of Conductors in each Cable or Line: _____
 Encasement material: _____ Outside diameter: _____ (over 4", See Pipeline specs.) Wall thickness: _____
 Bury depth from base of rail to top of casing: _____ feet
 Bury depth on right of way, but not beneath tracks: _____ feet
 Bury depth below ditches: _____ feet
 Method of installation: _____ (Note: Directional boring is prohibited. See specs)
 Location of boring pits to adjacent track @ 90°: Launching Pit: _____ ft, Receiving Pit: _____ ft

34. Aerial facilities:
 Total aerial length on Railroad R/W: _____ If power, total number circuits: _____
 Total number of CSX pole lines to be crossed: _____
 Type of wire supports: _____ Size: _____ False dead ends: _____
 Height of wires above top of rail at 60°f: _____ feet Sag in Spans at 60°f: _____
 Height of wires above Railroad communication and signal wires at 60°f: _____ feet

Supplemental Fiber Optic Information (Must be Completed for Fiber Proposals):

35. Identify each intended user of the conduit/cable: _____

36. Entity performing construction: _____

37. Number of fibers per cable: _____

Railroad Use Only:

Division Western Subdivision Port Hudson No. of Crossings: 1
 Absolute No.: 18836 Valuation Section/Map No.: VIII/59
 Valuation Station: 4556+04
 Milepost: CB D 88.48
CSX-029357-759

Roadmaster No.: _____ Contr. Type: WIPRW Fiber? N

RECORDED R/W FILE NO. 29716P16

**Corporate Real Estate Services
Railroad Encroachment
Application**



Detroit Edison

R 9710P16

DE 963-6064 2-97

Railroad Name C.N.R.R & CSX RR			Department Order RFW 585454		
Row No. (Information on existing rights of way available from Record Center) 306 D		New or existing RX No. 306 E		Encroachment (Length in Feet)	
Location City/Township(s) PORT HURON		Town(s) T-6N R-17E	Range(s) ST. CLAIR	County(s) S. E. 1/4	Section(s) 16
Location Description of Encroachment 16TH ST APPROX 300' SOUTH CEDAR, 2009' E OF TUNNEL DEPOT					
Check appropriate box					
<input type="checkbox"/> Crosses tracks within the public road right-of-way		<input checked="" type="checkbox"/> Crosses railroad land		<input type="checkbox"/> Is longitudinally on or over railroad land,	
<input type="checkbox"/> Provides service to the railroad					

Facility Data (also detailed on attached drawing)

Nature of required tree rights

Existing State Permit No.	Date	Railroad Mile Post (Number)	Distance to Crossing from Mile Post (in feet) Ft.
---------------------------	------	-----------------------------	--

Existing								Proposed									
Type of Structure								Type of Structure									
<input type="checkbox"/> Wood				<input type="checkbox"/> Steel				<input type="checkbox"/> Wood				<input type="checkbox"/> Steel					
Conductors				Poles				Cross-Arms Size	Conductors				Poles				Cross-Arms Size
Span.	No./Size	Kind	Voltage	Loc.	Height	Class	Span.		No./Size	Kind	Voltage	Loc.	Height	Class			
A-B	3-1/0	C	40,000					A-B	3-336	C	40,000						
B-C	3-1/0	C	40,000					B-C	3-336	C	40,000						
C-D	3-1/0	C	40,000					C-D	3-336	C	40,000						
D-E	3-1/0	C	40,000					D-E	3-336	C	40,000						

Explanation of Line Changes (continue on separate sheet if necessary)
REPLACE 3-1/0 BARE COOPER WITH 3-336 ACSR

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 Final Sag	Ft.
	From Detroit Edison wire to Railroad Communication or Signal Lines	Ft.

* Materials and clearances shall be as noted in the current revision of Detroit Edison's Overhead Lines Construction Standards Manual at Railroad Crossings. Due to field conditions actual dimension may vary from those indicated.

Designed By JOHN RUSHTON	Date 1-27-05	Checked By	Date
Company Location MARYSVILLE SER CTR	Phone No. 586 412-3156		

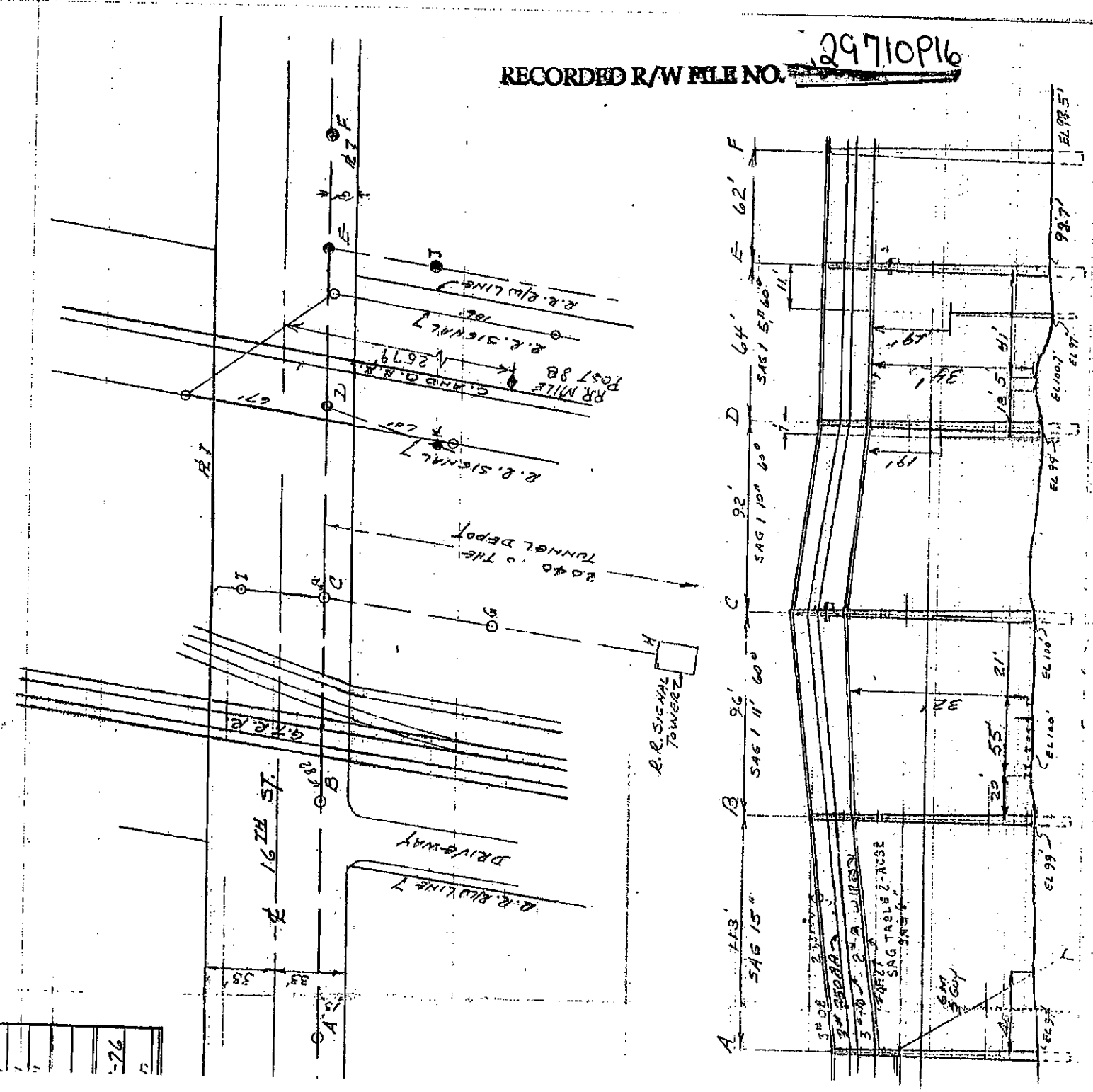
RECORDED R/W FILE NO. 29710P16

5.0
10.5
15.5
20.5

Dwg # CM DE 9357-759
DATE: 7/5/05

RECORDED R/W FILE NO. 29710P16

178	
187	
197	
207	
217	
227	
237	
247	
257	
267	
276	
287	



O.H. Railroad Crossing Permit

DE 963-3866 6-85 X (SE 32)

GRAND TRUNK WESTERN R.R.
C.S.X. R.R.

DO B-78119 RX 306-D
Existing Permit Number 306C - ED. 2-8-2219 CSX
ED. 2-8-2224 STWR

Proposed Line Crossing Over
in 16th ST. APPROX 300' SOUTH OF CEDAR ST.
2028'
AND 200' E. OF TUNNE DEPOT

City of PORT HURON

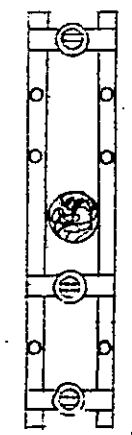
Section 16 S.E. 1/4 Township PORT HURON T 6N R 17E County ST CLAIR

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 velium.

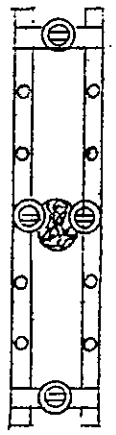
Span	Span Length	Lowest Conductor Over R.R. Tracks	Stringing Sag At 60°F	Sag Table	Rule Span	Final Sag Ratio
B-C	127'	32'	11" @ 60°	I	95'	1.20'
D-E	64'	34'	10" @ 60°	I	95'	1.20'

Designed By KELLY DRYER Division THUMB - MARYSVILLE S.C.
Checked By _____ Date _____

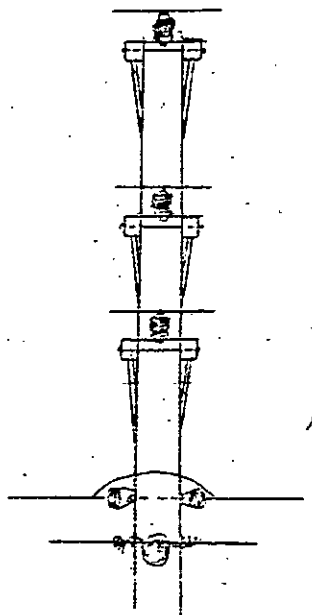
POLES B-C-D-E
TOP VIEW
2ND & 3RD SET ARMS



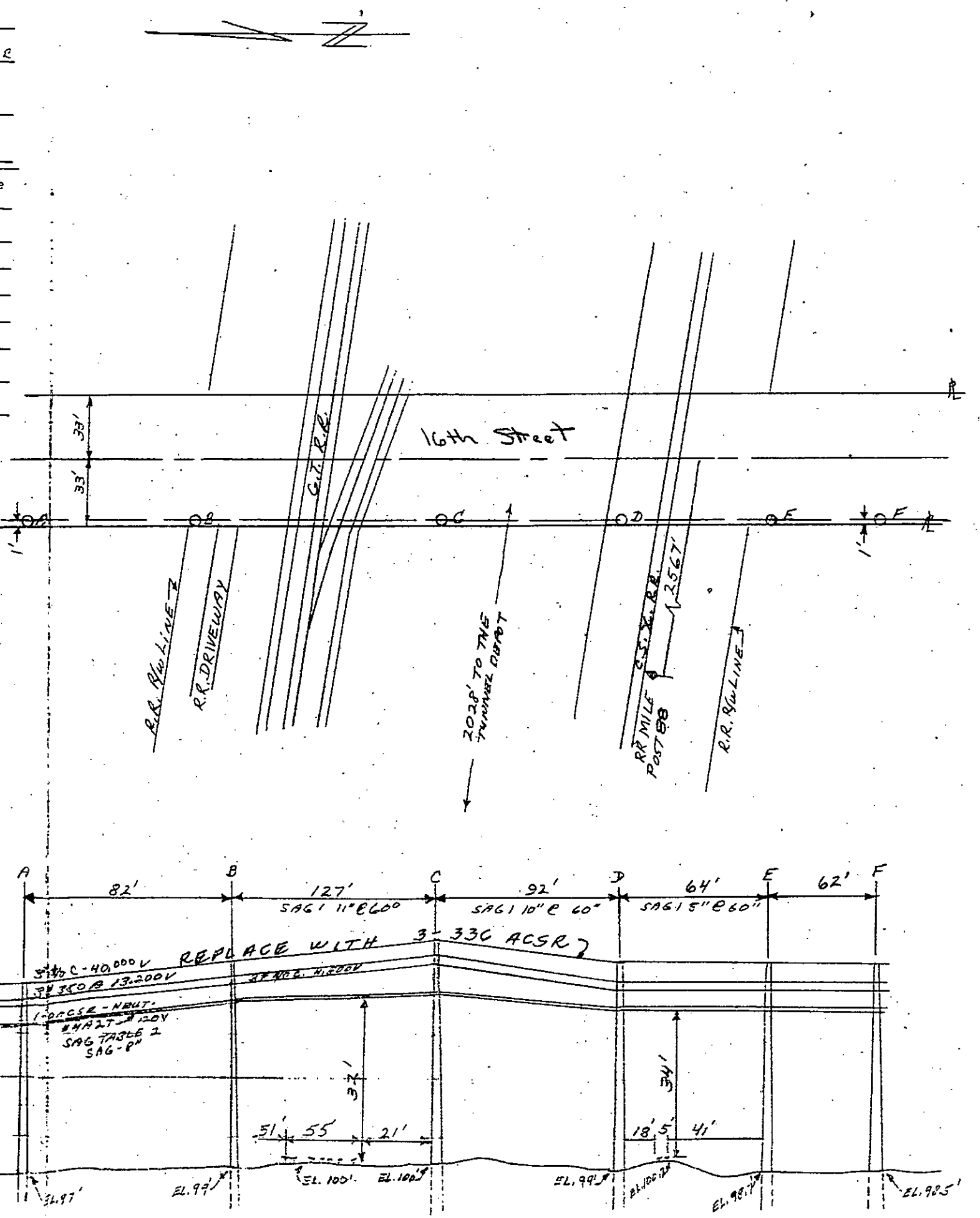
POLES B-C-D-E
TOP VIEW
TOP ARMS

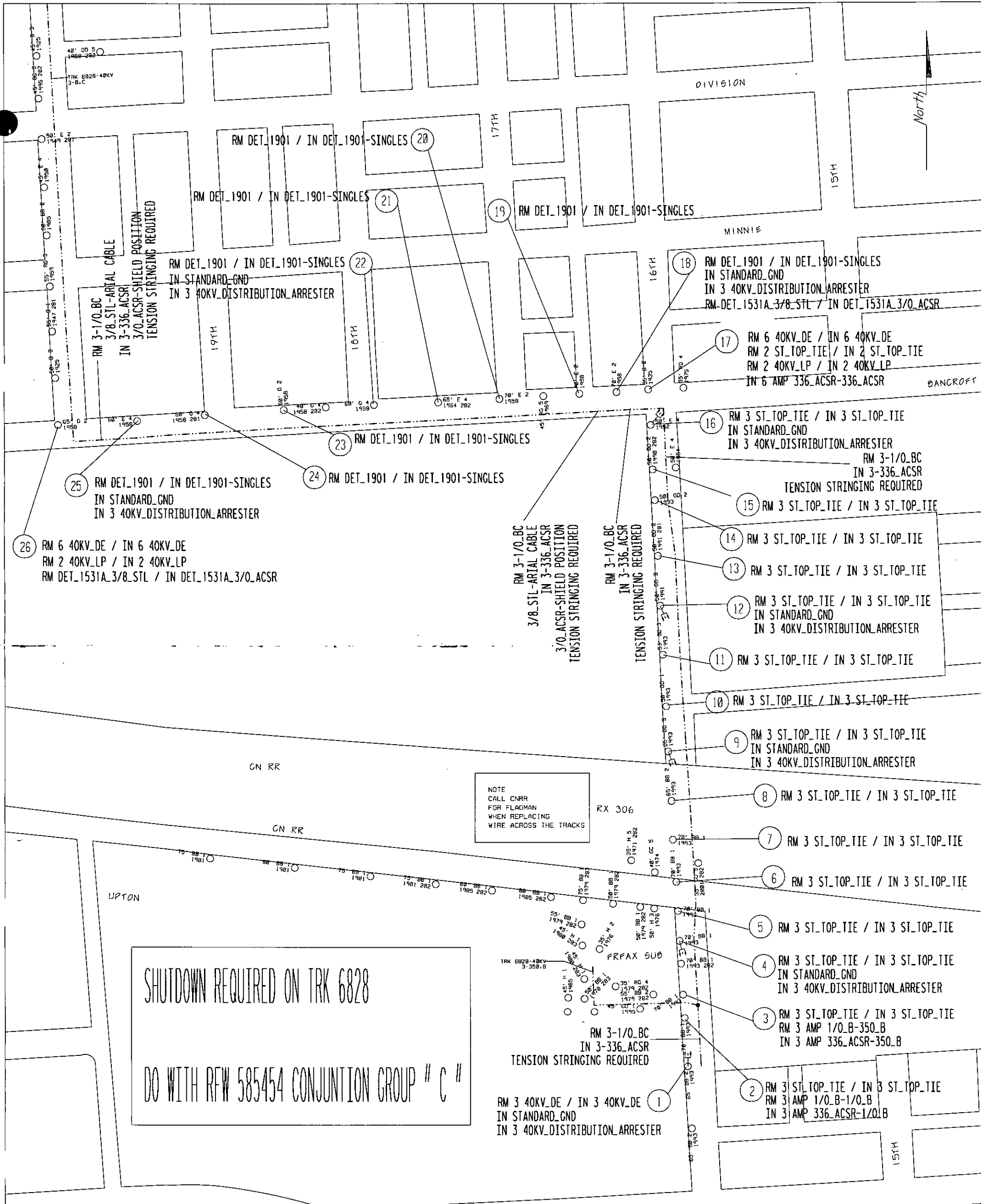


SIDE VIEW
POLE B-C-D-E



RECORDED R/W FILE NO. 29710 P16





NOTE
CALL CNRR
FOR FLAGMAN
WHEN REPLACING
WIRE ACROSS THE TRACKS

SHUTDOWN REQUIRED ON TRK 6828

DO WITH RFW 585454 CONJUNCTION GROUP # C #

RFW Description RECONDUCTOR TRK 6828 WABASH				PD 4	SRW 0	PH 0	PLC 17	CON Group B	RFW Number 585454
Circuit #1 TRK 6828	Circuit #2	Service Center #1 Marysville	Service Center #2 Greenwood	CON 20	COS 0	CUG 0	CUL 0	CUT 0	CUS 0
Worksite City PORT HURON		Worksite Twp. PORT HURON		Worksite County					
Town	Range	Sect	Qtr	Planner Name Rushton, John C	Comm. Date 10/26/2004	Scale 1" = -130'	Plot Date 10/26/2004		



Detroit
Edison

CORPORATE REAL ESTATE SERVICES

Project No.: XT4913
Location Project No.: BT9912
R/W No.: RX306D

Date: October 5, 1993
To: Ava D. Thrower
Records Center
From: Tom Wilson *TW*
Subject: Wire Crossing of Railroad Tracks

Attached are papers related to the notification, dated September 1, 1993, to CSX Transportation Railroad to revise the above mentioned crossing in the NE 1/4 of Section 16, City of Port Huron, Port Huron Township, St. Clair County, Michigan.

Service Planning, Thumb Division, is hereby notified to revise the crossing as requested. **Note: All construction work associated with aerial crossings of railroad tracks requires that you notify the operating railroad as to the actual date of construction, in advance of any work.**

Please incorporate these papers into Record Center File 29710 P16.

Attachments

cc: K. Dryer

RECORDED RIGHT OF WAY NO. 29710 -P16

October 4, 1993

Mr Thomas Wilson - Room 2310 WCB
Real Estate Associate
Detroit Edison Company
2000 Second Avenue
Detroit, Michigan 48226

Re: Wire Crossing Notification - September 2, 1993

Dear Mr. Wilson:

Your description in the attached letter does not match your prints. In the first place, the location is apparently in the NE 1/4 of Section 16. Furthermore, the installation appears to be along the west right-of-way line of 16th Street and either 2009 feet east of the tunnel depot (according to RR Encroachment Application) or 2028 east of the tunnel depot (according to the prints). We assume that the prints are the more accurate of the information furnished.

Please attempt to make all of the details submitted agree as this only creates more work for CSX.

Sincerely,

Thomas F. Tipi
Thomas F. Tipi
Senior Project Engineer

RECORDED RIGHT OF WAY NO. 29710 - P16



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

September 2, 1993

Mr. T. F. Tippy
Senior Project Engineer
CSX Transportation
12780 Levan Road
Livonia, Michigan 48150

Re: Wire Crossing Notification

Dear Mr. Tippy:

This letter is your notice of the planned reconstruction of an overhead wire crossing over your railroad tracks within the 16th Street public right of way, by The Detroit Edison Company, in the ^{NE} SE 1/4 of Section 16, City of Port Huron, Port Huron Township, St. Clair County, Michigan, as described on the enclosed drawings and information forms.

1. Location: Along, parallel to and ^{east} west of the ^{west} east right of way line of 16th Street, approximately 300 feet south of Cedar and ~~2,000~~ ^{2,028} feet east of the tunnel.

2. Detroit Edison Project and Crossing Nos.: BT9912, RX306C

3. This is a reconstruction of an existing crossing (Previous MPSC Permit No. E286552/Agreement date: May 5, 1970). Information on this crossing is retained in Edison Row File No. 29710 P16.

4. Please indicate your:
- R.R. Valuation Station No. 4556 + 04
- R.R. Mile Post No. 88.48
- Will a Flagman or Inspection be required? A flagman will be required if the lines are at less than standard overhead clearance during the installation

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

Michigan law requires you to respond within 30 calendar days of the receipt of this notification. In the event you do not respond within 45 days of the receipt of this letter, our crews will be instructed to begin work.

Please contact me on (313)237-8314 if you have any questions.

Sincerely,

Thomas Wilson
Real Estate Associate
Room 2310 WCB

cc: Kelly Dryer
Attachments

Certified Mail
Return Receipt Requested

RECORDED RIGHT OF WAY NO. 29710-116

Railroad Name GTW RR & CSX RR		Department Order B-78119
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Row No. (Information on existing rights of way available from Record Center) 306C	New or existing RX No. 306D	Encroachment (Length in Feet)
---	---------------------------------------	-------------------------------

Location City/Township(s) Port Huron	Town(s) Range(s) T. 6N R. 17E	County(s) St. Clair	1/4 Section(s) NESE 1/4	Section(s) 16
--	---	-------------------------------	-----------------------------------	-------------------------

Location Description of Encroachment
16th Street, approximately 300' south Cedar & ^{2028'} 2009' east of Tunnel Depot

Check appropriate box

Crosses tracks within the public road right-of-way

Crosses railroad land

Is longitudinally on or over railroad land,

Provides service to the railroad

Facility Data (also detailed on attached drawing)

Nature of required tree rights
Removal of a 10" diameter cottonwood tree

Existing State Permit No.	Date	Railroad Mile Post (Number) 88	Distance to Crossing from Mile Post (in feet) 2567 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				Poles			Cross-Arms	Conductors				Poles			Cross-Arms
Span.	No./Size	Kind	Voltage	Loc.	Height	Class	Size	Span.	No./Size	Kind	Voltage	Loc.	Height	Class	Size
A-B	3-3/0	C	40,000	A	50	3	dbl 96	A-B	3-3/0	C	40,000	A	55	3	dbl 96
B-C	3-350	AA	13,200				db 120	B-C	3-350	AA	13,200	B	65	2	dbl 120
C-D	3-4/0	C	4,800	B	60	2		C-D	3-4/0	C	4,800	C	70	1	
D-E	3-4A2T	A	12 ²⁴⁰	C	65	2		D-E	3-4A2T	A	12 ²⁴⁰	D	70	1	
	1-1/0	ACSR	Neut.	D	65	2			1-1/0	ACSR	Neut.	E	70	1	
				E	65	2						F	70	1	
				F	65	2									

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

The poles will be moved to the west 12' to edge of road R/W. The final grade will change after completion of tunnel construction. The clearance between top of track and lowest conductor will increase by 5'.

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 Final Sag	32 Ft.
	From Detroit Edison wire to Railroad Communication or Signal Lines	N/A Ft.

* Materials and clearances shall be as noted in the current revision of Detroit Edison's Overhead Lines Construction Standards Manual at Railroad Crossings. Due to field conditions actual dimension may vary from those indicated.

Designed By Kelly Dryer	Date	Checked By	Date
Company Location Marysville Service Center	Phone No. 364-2025		

RECORDED RIGHT OF WAY NO. 29710 - PIC

BRAND TRUNK WESTERN R.R.
C.S. X. R.R.

DO B-306-D
306-D - ED. 2-8-2219 65%
Existing Permit Number ED. 1-8-2224 87 W.R.E.

Proposed Line Crossing Over

in 16th ST. APPROX 300' SOUTH OF CEDAR ST.
2028' E. OF TUNNE DEPOT

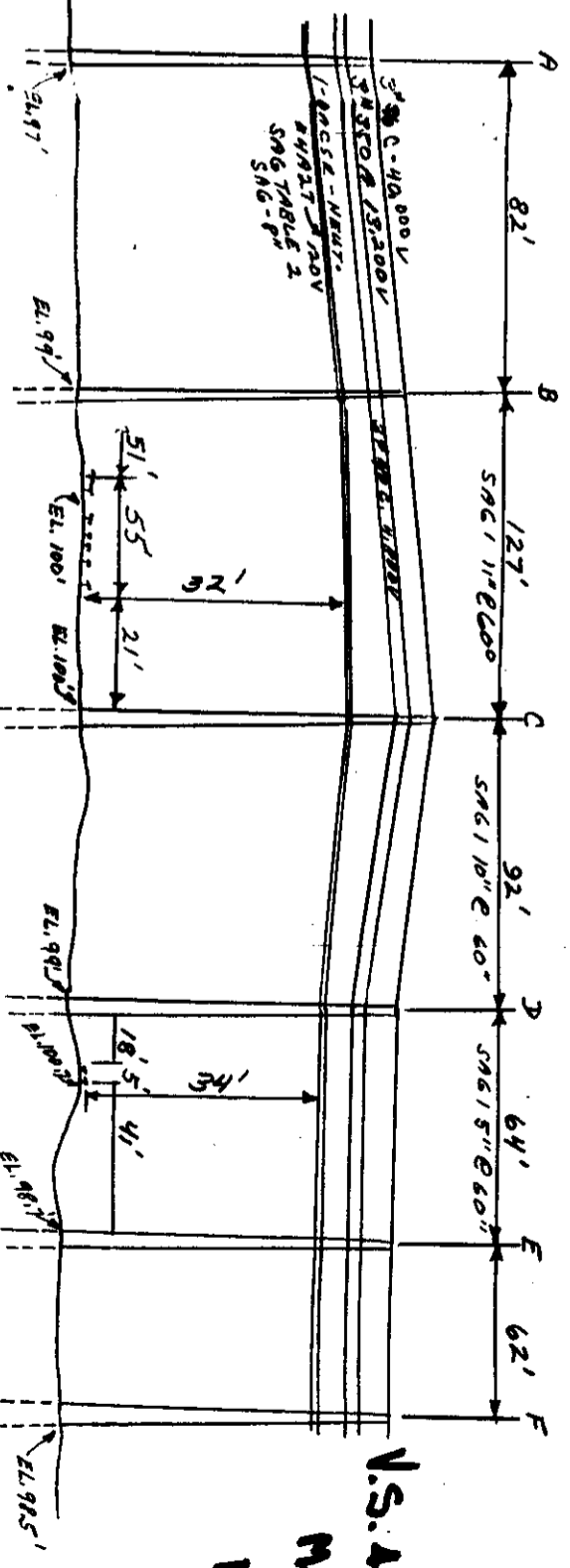
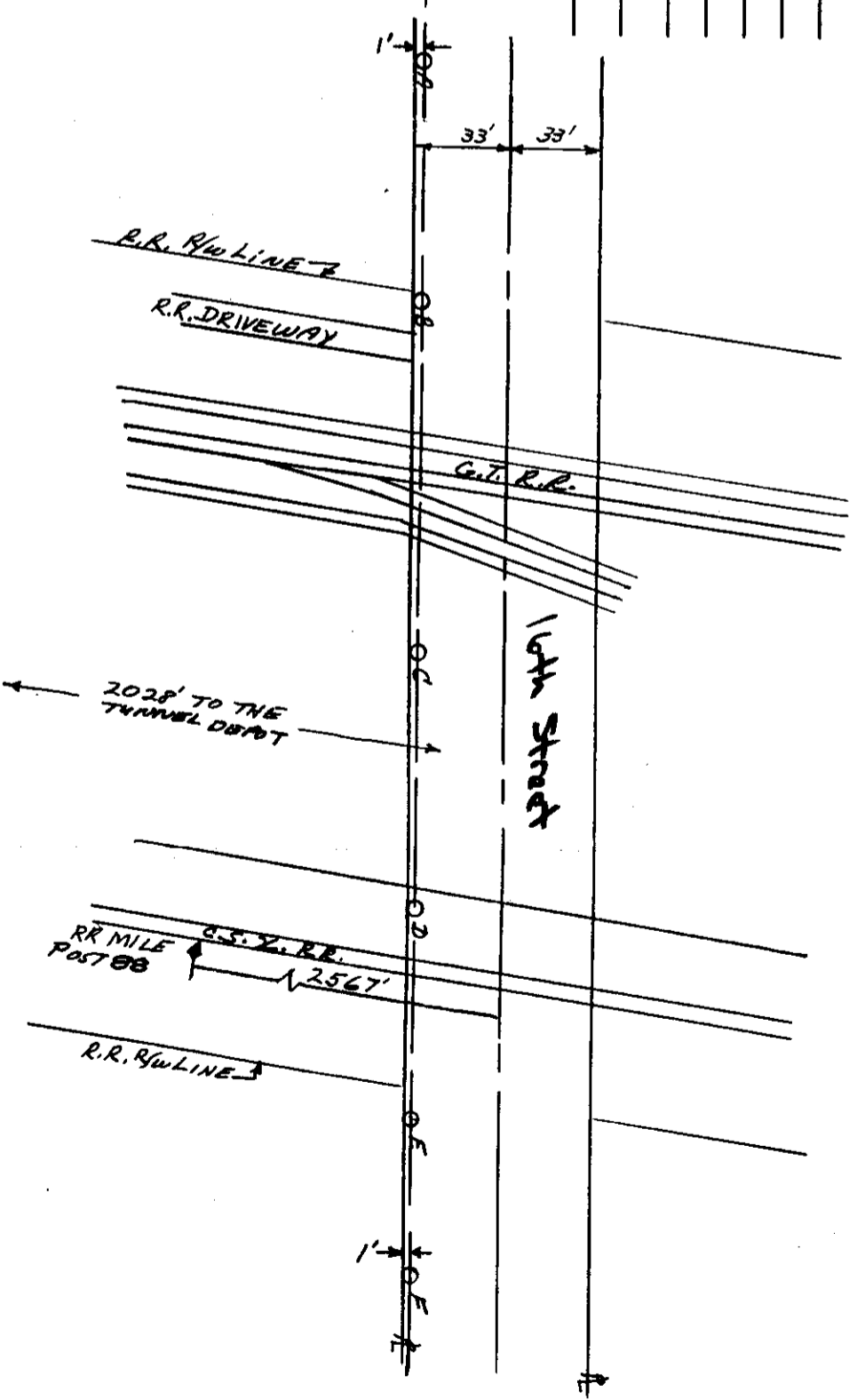
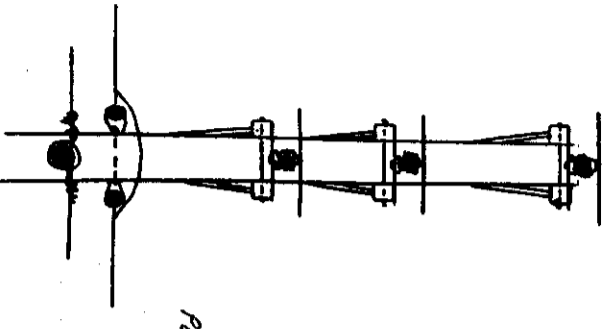
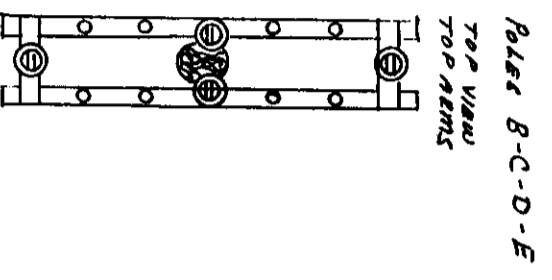
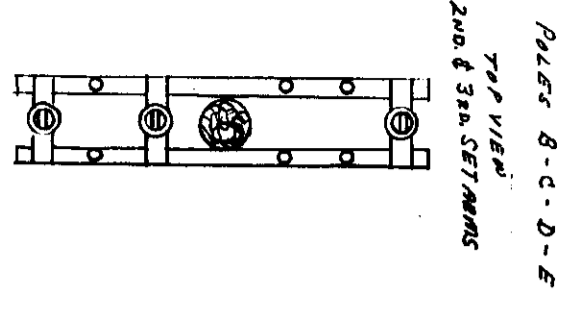
Section 16 R.E. 14 Township POBT HURON T 6N R 17E County ST CLAIR

City of POBT HURON

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
B-C	127'	92'	11" @ 60°	I	95'	1.20'
D-E	64'	34'	10" @ 60°	I	95'	1.20'

Designed By **KELLY DRYER**
Checked By _____
Division **TUNNERS - MARYSVILLE S.C.**
Date _____



V.S. 1556-104
M.P. 08.48
m/sa

**Detroit
Edison**

September 14, 1977

To: Records Center

From: Doreen McLain
Real Estate and Rights of Way Department

Subject: Distribution & Subtransmission R/W crossing the Chesapeake & Ohio Railroad, T6N, R17E, SE 1/4 of Section 16, Twp. of Port Huron, City of Port Huron, RX-306C

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. & R/W 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 23
02	E286552	1	29710	0306C	3	050570

Payment Frequency 28	Rental 33	OH-UG 34 Code	Division 35	County 36	City or Township 38	Section 45
X	XXXXXX	1	5	10	PTHURON	16

Location 41 50																				
1	M	1	6	T	H	S	T	3	0	0	F	T	S	O	F	C	E	D	A	R

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: *Doreen McLain*

- cc: Accounts Payable
 Service Planning A. Wellman
 System Engineering
 Transmission & Distribution

RECORDED RIGHTS OF WAY NO. 29710 placed 10

Detroit

2090 Second Avenue
Detroit, Michigan 48226
(313) 237-8000

August 24, 1977

Mr. Bruce Bordner, Office Engineer
Michigan Department 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 Port Huron, Port Huron Township, St. Clair County.

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

- Span B-C
- Three #0 BARE 24,000 volts
- Three #350 AA 13,200 volts
- Three #4/0 WPX 4800 volts
- One #4A2T Triplex 240/120 volts
- Two #8 Telephone
- One #0 BA Neutral

APPROVED

AUG 30 1977
Bruce D. Bordner
DIST. UTILITY ENGINEER
MICHIGAN STATE HIGHWAY DEPT.

The railroad has given the following waiver of hearing:

- Waiver dated _____ enclosed
- Blanket Waiver No. _____ on file with MPSC

The proposed crossing is shown on drawing No. RX- 306C

- 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.

DO NOT WRITE IN THIS BOX	
Application No.	77000-2-77
Permit No.	ME-444-77
Date of Issuance	9-12-77
Fee Amount	20.00
Cash	Bill <input checked="" type="checkbox"/>
	By HAO

Very truly yours,

John A. Haddow

John A. Haddow
Public Agency Coordinator
Real Estate & Rights of Way

RECORDED RIGHT OF WAY NO.

29110
permitted

51000
DEC STATE
114
9/11/77

Detroit Edison

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

WAS THIS SENT TO R.R.?

January 31, 1977

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

Proposed Overhead Wire Crossing:

Span B-C

- 3 #0 BARE 24,000 volts
- 3 #350 AA 13,200 volts
- 3 #4/0 WPX 4800 volts
- 1 #4A2T Triplex 240/120 volts
- 2 #8 Telephone
- 1 #0 BA Neutral

Specific Location

16th Street approximately 300' of Cedar Street and 2040' East of Tunnel Depot in the city of Port Huron, SE 1/4 of Section 16, Twp of Port Huron, T6N R17E, County of St. Clair

R. R. Valuation Station 4556 + 00 R. R. Mile Post 88 + 2570 ft

City/Village Port Huron Township Port Huron

County St. Clair Detroit Edison Plan Attached RX-306C

This is a New Crossing _____ This is a Reconstruction of Existing Crossing XXX

Previous Agreement Information (if any) Date 5-5-70 (R. R. Plan) _____

Blanket Waiver of Hearing Covers Waiver of Hearing Requested _____
(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.

John A. Haddow
John A. Haddow
Public Agency Coordinator

RECORDED RIGHT OF WAY NO. 29710

PROPOSED LINE CROSSING OVER THE GRAND TRUNK WESTERN R.R. EXISTING PERMIT NUMBER 44-8-22-46-114
 IN 16TH ST APPROX 300' SOUTH OF CEDAR ST AND 240' EAST OF TUNNEL DEPOT CITY OF DETROIT
 SECTION 16 SE 1/4 TOWNSHIP Port Huron T 42 N R 12E COUNTY ST. CLAIR

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. 1679 OF MICHIGAN PUBLIC SERVICE COMMISSION, AS REVISED JAN. 1, 1944, WILL BE COMPLIED WITH.

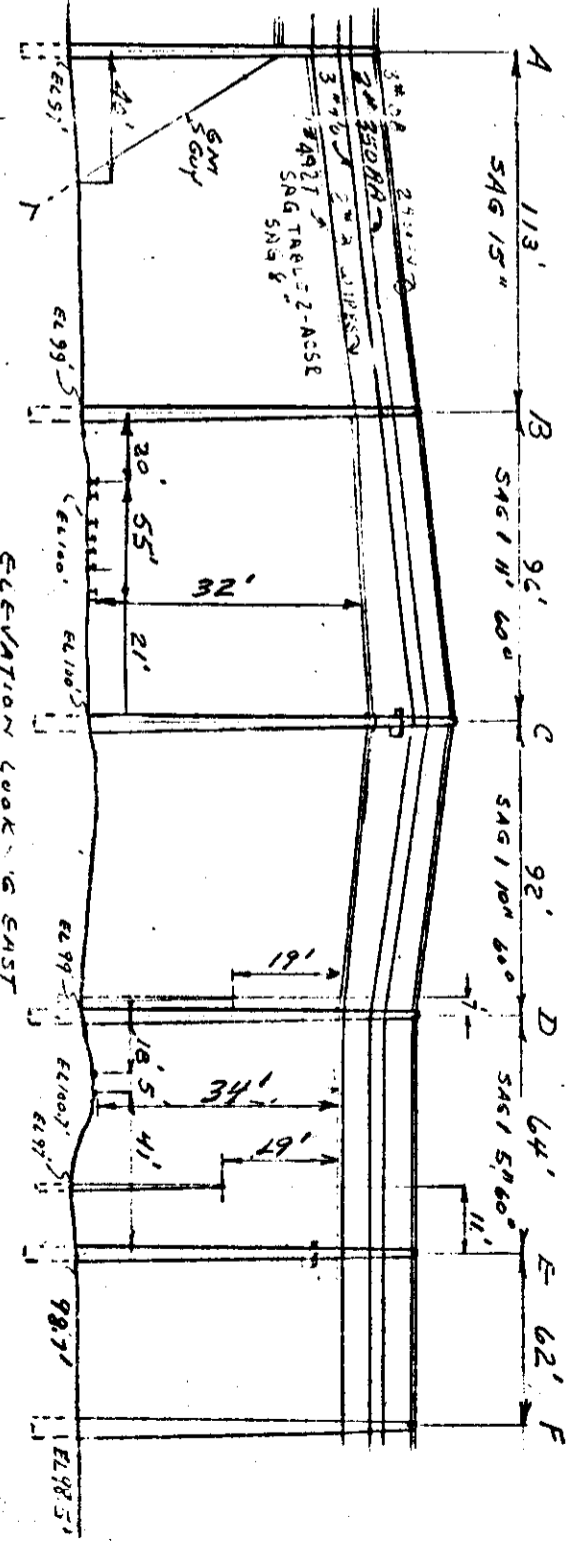
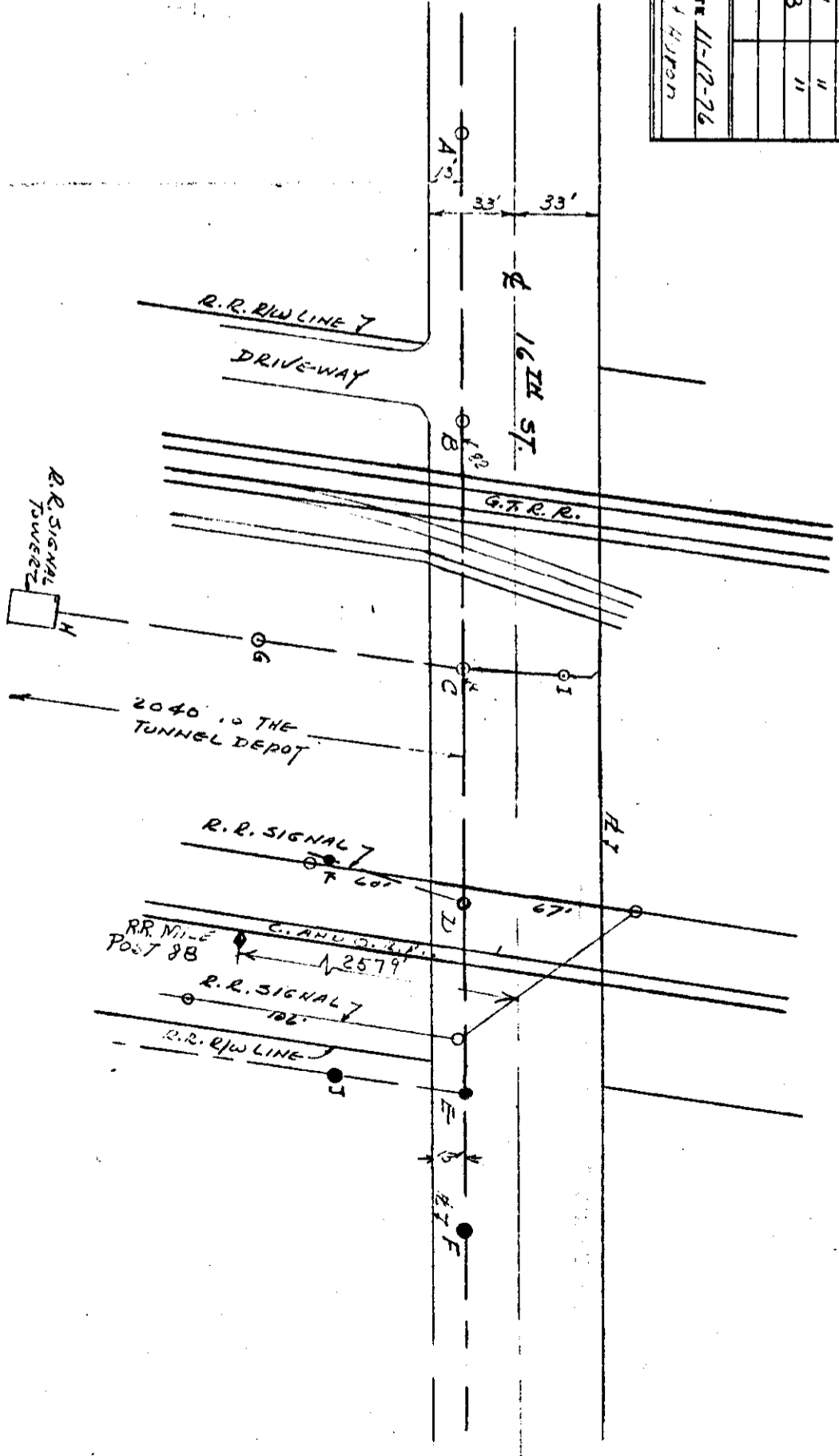
MINIMUM CLEARANCES

NEAREST POLE TO RAIL	SIDING	MAIN LINE
0 - 800 VOLTS	7 FT.	12 FT.
800 - 7500 VOLTS	27 FT.	28 FT.
24000 VOLTS	30 FT.	30 FT.

CONDUCTORS				POLES			
NUMBER	SIZE	KIND	VOLTAGE	LOCATION	LENGTH	CLASS	TYPE
3	*0	AWJ	4200	1	55'	2	WOOD
3	350	AA	12200	B	60'	2	"
3	500	AA	23000	C	65'	1	"
1	4421	ALUMINUM	240/110	D	60'	1	"
2	*0	TELEPHONE		E-F	65'	1	"
1	0	BA	NEUTRAL	J	50	3	"

WIRES OVER R. R. SIGNAL
 0 - 800 VOLTS 2 FT. 2 FT.
 800 - 7500 VOLTS 4 FT. 4 FT.
 24000 VOLTS 6 FT. 6 FT.

DRAWN BY F.M. WOOD ENGINEERING DIVISION DATE 11-12-26
 ESTIMATOR A. WELLS OVERHEAD LINES DEPT. PORT HURON



RAILROAD CROSSING

THE CHESAPEAKE AND OHIO RAILWAY COMPANY

CITY OF PORT HURON

Port Huron Twp. N.W. 1/4 of Sec. 16

Span D - E - In 16th Street at a point approx.
370 ft. South of Cedar Street and
2040 ft. East of the Tunnel Depot.

ST. CLAIR COUNTY

PLAN RX-306B

PERMIT NUMBER ED2-8-6552 (5-5-70) ✓

TO T&D: 5-6-70

REVISION NO. 29710 permit '6

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

August 11, 1970

ED 2-8-6552

Michigan Public Service Commission
Lansing 13, Michigan

Gentlemen:

I, Warren E. Hicks - Supervisor, Service Planning -
of The Detroit Edison Company, Detroit, Michigan, hereby certify that the
wire crossing, covered by Wire Crossing Permit No. ED 2-8-6552,
issued 5-5-70, has been constructed in accordance with
specifications of the Michigan Public Service Commission and construction
standards of The Detroit Edison Company, approved by Michigan Public Service
Commission on July 19, 1939, file ED 2-9.01, and that this crossing will be
maintained as provided in such specifications and construction standards.

Yours very truly,

Warren E. Hicks

RX No. 306B Span D-E

Location City of Port Huron

Northwest 1/4 of Section 16,

Port Huron Township,

St. Clair County

Railroad Chesapeake & Ohio

Subscribed and sworn to before me this

11th day of August, 19 70

I. W. Gamble

I. W. Gamble

Notary Public, Wayne

County, Michigan.

My Commission expires February 11, 1973

R. R. Waiver File No. 131-4-10988

Valuation Station 4556 + 00

Mile Post 88 + 2579 ft.

HB:dmk

RECORDED RIGHT OF WAY NO.

29410 provided

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE
DETROIT 26, MICHIGAN

April 28, 1970

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 **Chesapeake & Ohio Railroad in the City of Port Huron, NW 1/4 of Section 16, Port Huron Township, St. Clair County, T-6N, R-17E, Michigan.**

Spec P - K

Three #00 24,000 volt wires, six #4/0 4800 volt wires, two #8 copper wires and one 4A2T consisting of two #4 A and one #2 ACSE wire over tracks of the C&O R.R. located in 16th Street at a point approximately 370' south of Cedar Street and 2040' east of the tunnel depot.

R.R. Valuation Station 4556 + 00.

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. **ED 2-8-2219** dated **11/15/48**.
- This is a new crossing.

Reference number of construction drawing is RX- **3063**.

Yours very truly,

I. W. Gamble

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

Permit No. **ED2-8-6552**

Date **5-5-70**

By **MPSC**

Check in circle indicates statement applicable.

JVB:mle

RECORDED RIGHT OF WAY NO.

29710 permit
/10

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE

DETROIT, MICHIGAN 48226

TO:

April 1, 1970

Mr. R. C. Tench, Chief Engineer - System
Engineering Department
The Chesapeake and Ohio Railway Company
C & O Building, 405 Eleventh Avenue
P. O. Box 1800
Huntington, West Virginia 25718

*Waiver not required -
Blanket Waiver*

Proposed Overhead Wire Crossing:

Three No. 0B 24,000 volt wires, six No. 4/0 4800 volt wires, two No. 8 copper wires and one 4A2T consisting of two No. 4 A and one No. 2 ACSR wire. (Span D-E)

Specific Location

In 16th Street at a point approximately 370 ft. South of Cedar Street and 2046 ft. East of the Tunnel Depot.

Station _____
Location _____
Sub-Division _____
Division _____
M.P.S.C. Hearing _____
The Chesapeake and Ohio Railway Company

R. R. Valuation Station _____ R. R. Mile Post _____

City/Village ~~Village~~ Port Huron Township Port Huron, N.W. 1/4 of Sec. 16

County St. Clair Detroit Edison Plan Attached RX-306B

This is a New Crossing _____ This is a Reconstruction of Existing Crossing X

Previous Agreement Information (if any) Date _____ (R. R. Plan) _____

Blanket Waiver of Hearing Covers X Waiver of Hearing Requested _____
(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.

I. W. Gamble
I. W. Gamble, Supervisor of Rights of Way
Properties and Rights of Way Department

JVS:mls

RECORDED RIGHT OF WAY NO.

*29410 permit
16*

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

*Waiver not required -
Blanket Waiver*

TO:

April 1, 1970

Mr. R. C. Tench, Chief Engineer - System
Engineering Department
The Chesapeake and Ohio Railway Company
C & O Building, 405 Eleventh Avenue
P. O. Box 1800
Huntington, West Virginia 25718

Proposed Overhead Wire Crossing:

Three No. OB 24,000 volt wires, six No. 4/0 4800 volt wires, two No. 8 copper wires and one 4A2T consisting of two No. 4 A and one No. 2 ACSR wire. (Span D-E)

Specific Location

Station _____
Location _____
Sub-Division _____
Division _____
M.P.S.C. Hearing _____

In 16th Street at a point approximately 370 ft. South of Cedar Street and 2040 ft East of the Tunnel Depot.

R. R. Valuation Station _____ R. R. Mile Post _____
City/Village ~~xxxx~~ **Port Huron** Township **Port Huron, N.W. 1/4 of Sec. 16**
County **St. Clair** Detroit Edison Plan Attached **RX-306B**
This is a New Crossing _____ This is a Reconstruction of Existing Crossing **x**
Previous Agreement Information (if any) Date _____ (R. R. Plan) _____

Blanket Waiver of Hearing Covers **x** Waiver of Hearing Requested _____
(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.

I. W. Gamble

I. W. Gamble, Supervisor of Rights of Way
Properties and Rights of Way Department

*29910 permit
16*

THE DETROIT EDISON COMPANY

2000 SECOND AVENUE
DETROIT, MICHIGAN 48226

TO:

April 1, 1970

Mr. R. C. Tench, Chief Engineer - System
Engineering Department
The Chesapeake and Ohio Railway Company
C & O Building, 405 Eleventh Avenue
P. O. Box 1800
Huntington, West Virginia 25718

Proposed Overhead Wire Crossing:

Three No. 0B 24,000 volt wires, six No. 4/0 4800 volt wires, two No. 8 copper wires and one 4A2T consisting of two No. 4 A and one No. 2 ACSR wire. (Span D-E)

Specific Location

In 16th Street at a point approximately 370 ft. South of Cedar Street and 2040 ft. East of the Tunnel Depot.

R. R. Valuation Station _____ R. R. Mile Post _____

City/Village ~~xxxxx~~ Port Huron Township Port Huron, N.W. 1/4 of Sec. 16

County St. Clair Detroit Edison Plan Attached RX-306B

This is a New Crossing _____ This is a Reconstruction of Existing Crossing x

Previous Agreement Information (if any) Date _____ (R. R. Plan) _____

RECORDED RIGHT OF WAY NO.

Blanket Waiver of Hearing Covers x Waiver of Hearing Requested _____
(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.

I. W. Gamble

I. W. Gamble, Supervisor of Rights of Way
Properties and Rights of Way Department

29410 permit 16

STATE OF MICHIGAN

BEFORE MICHIGAN PUBLIC SERVICE COMMISSION

ED2-8-6552

Standard Railroad Wire-Crossing Permit No.

In Re Application of **The Detroit Edison Company**
2000 Second Avenue
Detroit, Michigan 48226

Pursuant to Act No. 171 of the Session Laws of 1993, as amended, application having been made to Michigan Public Service Commission by said **The Detroit Edison Company**

for permission to string wires across the tracks of the **Chesapeake and Ohio Railway Company**

and said **The 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**

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

City of
Port Huron

County of
St. Clair

State of
Michigan

Span D-E
Crossing of one (1) 24 kv, 60 Hz, 3 phase, 3 wire sub-transmission circuit, two (2) 4.8 kv, 60 Hz, 3 phase, 3 wire distribution circuits, one (1) 240/120 volt, 60 Hz, split phase secondary circuit and two (2) system communication telephone circuits located in 16th Street, at a point approximately 370' south of Cedar Street and 2040' east of tunnel depot, NW 1/4 of Section 16, Port Huron Township, T6N, R17E
3 - #0 bare aluminum phase conductors - 24 kv
3 - #4/0 TWFP phase conductors - 4.8 kv
3 - #4/0 WFX phase conductors - 4.8 kv
1 - 4A2T triplex cable (2 - #4 aluminum & 1 - #2 ACSR conds, 240/120 V.)
2 - #8 TWFP telephone conductors

as indicated on the attached plans, when, as and if approved, **Per Dwg. EX-306B**

At the point of crossing said wires shall be installed 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 **fifth** day of **May** A.D. 19 **70**

MICHIGAN PUBLIC SERVICE COMMISSION

Willis F. Ward

.....
Chairman,

William A. Boos, Jr.

.....
Commissioner,

Lenton G. Sculthorp

.....
Commissioner.

Countersigned

Eari B. Klomprens

.....
Secretary

29410 permit

STATE OF MICHIGAN SS.
Office of the Michigan Public Service Commission

I, Earl B. Klomprens, Secretary of the Michigan Public Service Commission Do Hereby Certify,
That I have compared the annexed copy of **Railroad Wire Crossing Permit**
No. ED2-8-6552

with the original, 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 **fifth** day of **May** in the year of our Lord one thousand nine hundred **seventy**

Earl B. Klomprens
Secretary

RECORDED RIGHT OF WAY NO. 29110 permit 10

Detroit Edison
Att: T.L. Hinks

Form 4-a--7-22-36--10M

STATE OF MICHIGAN

Office of the Michigan Public Utilities Commission, } ss.

AUG 23 1937

Handwritten initials: LW, PB

I, Albert A. Wagner, Secretary of the Michigan Public Utilities Commission

Do Hereby Certify, That I have compared the annexed copy of Permit ED2-8- 480

4246

4246

with the original

recorded in File ED2-8-480

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 7th

day of July in the year of our Lord

one thousand nine hundred thirty-seven.

Albert A. Wagner
Secretary Michigan Public Utilities Commission

RECORDED NIGHT OF WAT 29710P 16

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. **ED2-B-480**

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

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 **Burnside Township, Lapeer County, Michigan:-**

In Peck Road $4\frac{1}{2}$ miles south of Marlette in the NE quarter of Sec. 35, T-10-N, R-12-E, Burnside Township, with:
2 - #2 A.C.S.R. wires at 4800 volts.

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 **7th** day of **July** A. D. 19 **37-**

MICHIGAN PUBLIC UTILITIES COMMISSION
By

Paul H. Todd

Chairman,

Joseph M. Donnelly

Commissioner,

Glenwood C. Fuller

Commissioner,

Charles S. Porritt

Commissioner,

Countersigned

Albert A. Wagner

Secretary

Howell Van Auken

Commissioner.

RECORDED
INDEXED
OFFICE OF VVA
29710P16

THE DETROIT EDISON COMPANY
 THE ANOTRONDIA DRIVE INC.
 EXISTING PERMIT NUMBER 44-8-324681A
 RX 3068
 40-2-80110-40

PROPOSED LINE CROSSING OVER THE CHASSETTE ROAD R.R. EXISTING PERMIT NUMBER 44-8-324681A
 IN 16TH ST APPROX 300 SOUTH OF GEDDE STANDARDS ESTABLISHMENT
 DEPT. CITY OF DETROIT MICHIGAN
 SECTION 16 NW 1/4 TOWNSHIP 36T N 16E COUNTY ST. CLAIR

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. 1078 OF MICHIGAN PUBLIC SERVICE COMMISSION, AS REVISED JAN. 1, 1944, WILL BE COMPLIED WITH.

MINIMUM CLEARANCES

NEAREST POLE TO RAIL	SIDING	7 FT.
WIRE OVER TRACKS	MAIN LINE	12 FT.
WIRE OVER R. R. SIGNAL		4 FT.
		6 FT.
		2 FT.
		4 FT.
		6 FT.

CONDUCTORS

NUMBER	SIZE	KIND	VOLTAGE	LOCATION	LENGTH	CLASS	TYPE
3	NO. 0	BAIT	24000	A	55'	2	W/O S.D.
3	NO. 0	TRW	4800	B-S-F	60'	2	
3	NO. 0	WV	4800	C	63'	1	
1	NO. 0	TRW	4800	D	60'	1	
2	NO. 0	TRW	4800	G	35'	5	
				I	25'	3	

ESTIMATOR: K. M. SCHUBERT
 DRAWN BY: M. H. B. L. ENGINEERING DIVISION
 DATE: 11-2-64
 ESTIMATOR: K. M. SCHUBERT OVERHEAD LINES DEPT.

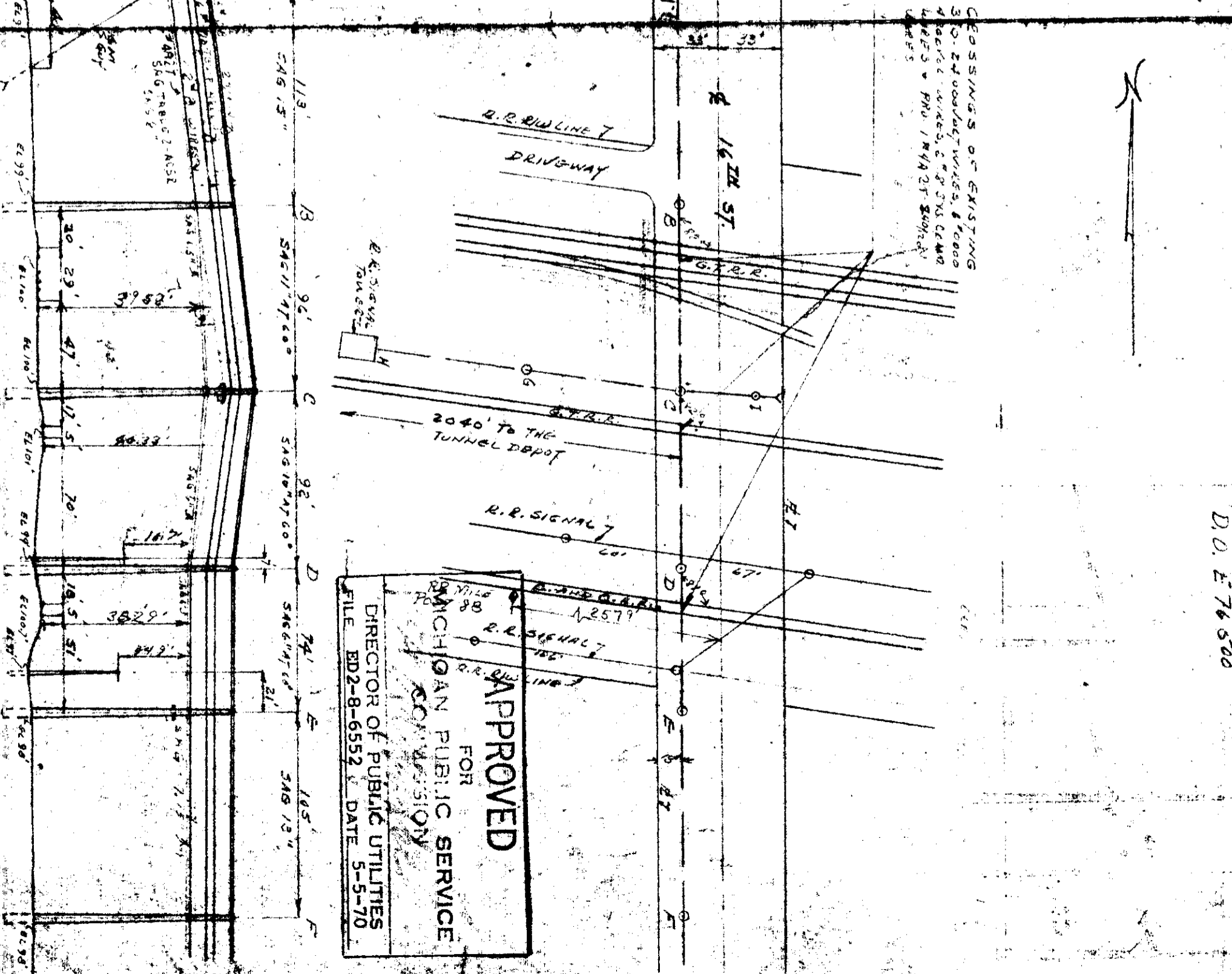
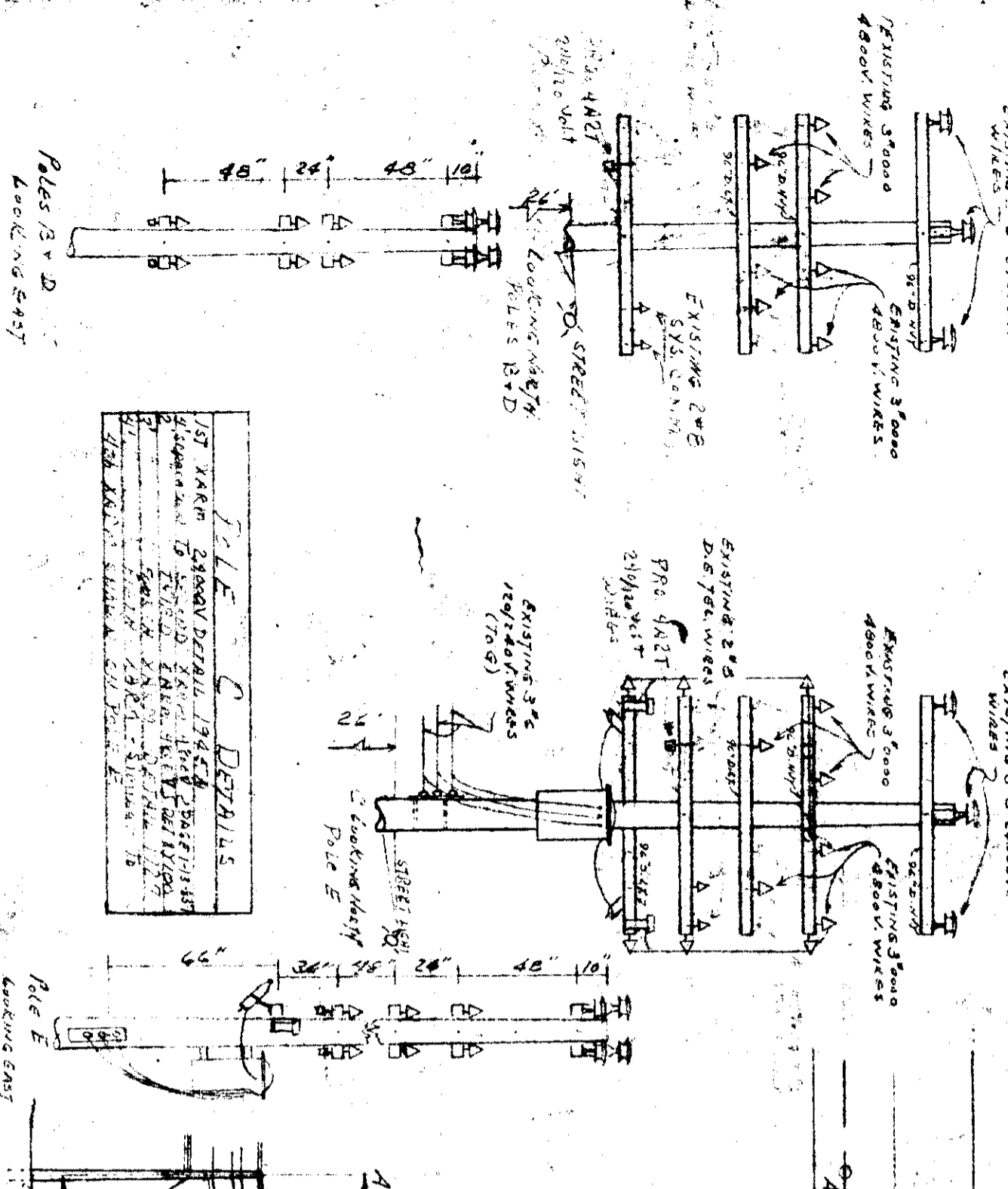


TABLE C DETAILS

NO.	DESCRIPTION
1	1/2" X 4" X 1/2" DETAIL
2	2" X 4" X 1/2" DETAIL
3	3" X 4" X 1/2" DETAIL
4	4" X 4" X 1/2" DETAIL
5	5" X 4" X 1/2" DETAIL
6	6" X 4" X 1/2" DETAIL
7	7" X 4" X 1/2" DETAIL
8	8" X 4" X 1/2" DETAIL
9	9" X 4" X 1/2" DETAIL
10	10" X 4" X 1/2" DETAIL
11	11" X 4" X 1/2" DETAIL
12	12" X 4" X 1/2" DETAIL
13	13" X 4" X 1/2" DETAIL
14	14" X 4" X 1/2" DETAIL
15	15" X 4" X 1/2" DETAIL
16	16" X 4" X 1/2" DETAIL
17	17" X 4" X 1/2" DETAIL
18	18" X 4" X 1/2" DETAIL
19	19" X 4" X 1/2" DETAIL
20	20" X 4" X 1/2" DETAIL
21	21" X 4" X 1/2" DETAIL
22	22" X 4" X 1/2" DETAIL
23	23" X 4" X 1/2" DETAIL
24	24" X 4" X 1/2" DETAIL
25	25" X 4" X 1/2" DETAIL
26	26" X 4" X 1/2" DETAIL
27	27" X 4" X 1/2" DETAIL
28	28" X 4" X 1/2" DETAIL
29	29" X 4" X 1/2" DETAIL
30	30" X 4" X 1/2" DETAIL
31	31" X 4" X 1/2" DETAIL
32	32" X 4" X 1/2" DETAIL
33	33" X 4" X 1/2" DETAIL
34	34" X 4" X 1/2" DETAIL
35	35" X 4" X 1/2" DETAIL
36	36" X 4" X 1/2" DETAIL
37	37" X 4" X 1/2" DETAIL
38	38" X 4" X 1/2" DETAIL
39	39" X 4" X 1/2" DETAIL
40	40" X 4" X 1/2" DETAIL
41	41" X 4" X 1/2" DETAIL
42	42" X 4" X 1/2" DETAIL
43	43" X 4" X 1/2" DETAIL
44	44" X 4" X 1/2" DETAIL
45	45" X 4" X 1/2" DETAIL
46	46" X 4" X 1/2" DETAIL
47	47" X 4" X 1/2" DETAIL
48	48" X 4" X 1/2" DETAIL
49	49" X 4" X 1/2" DETAIL
50	50" X 4" X 1/2" DETAIL

APPROVED
 FOR
 MICHIGAN PUBLIC SERVICE
 COMMISSION
 DIRECTOR OF PUBLIC UTILITIES
 FILE FD2-8-6552 DATE 5-5-70

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