

DEPARTMENT OF THE ARMY PERMIT NO. 70-05-4

PERMIT

Detroit Edison Company  
2000 Second Avenue  
Detroit, Michigan

District Engineer  
U.S. Army Engineer District, Detroit  
Corps of Engineers  
Detroit, Michigan 48231

8 JUL 1971

Sirs:

Referring to written request dated 31 July 1970

upon the recommendation of the Chief of Engineers, and under the provisions of Section 10 of the Act of Congress approved March 3, 1899 (33 U.S.C. § 403), entitled "An act making appropriations for the construction, repair, and preservation of certain public works on rivers and harbors, and for other purposes," you are hereby authorized by the Secretary of the Army

to place an aerial transmission line (345 KV) having a minimum free vertical clearance of 160.6 feet above International Great Lakes Datum (Elev. 568.6')

across River Raisin

at Monroe, Michigan, approximately 3200 feet upstream from the mouth of the river

in accordance with the plans and drawings attached hereto marked:

"Proposed Overhead Wire Crossing over River Raisin at City of Monroe Monroe County State of Michigan Application by the Detroit Edison Co. Date July 31, 1970"

RECORDED RIGHT OF WAY NO. 87179

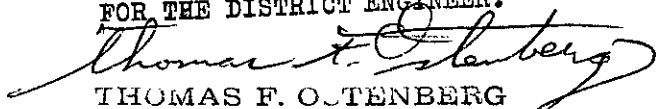
(u) That the permittee, upon receipt of a notice of revocation of this permit or upon its expiration before completion of the authorized structure or work, shall, without expense to the United States, at the direction of the Secretary of the Army and in such time and manner as the Secretary or his authorized representative may direct, restore the waterway to its former condition. If the permittee fails to comply with the direction of the Secretary of the Army or his authorized representative, the Secretary or his designee may restore the waterway to its former condition, by contract or otherwise, and recover the cost thereof from the permittee.

\*A judgment as to whether or not suspension, modification or revocation is in the public interest involves a consideration of the impact that any such action or the absence of any such action may have on factors affecting the public interest. Such factors include, but are not limited to navigation, fish and wildlife, water quality, economics, conservation, aesthetics, recreation, water supply, flood damage prevention, ecosystems and, in general, the needs and welfare of the people.

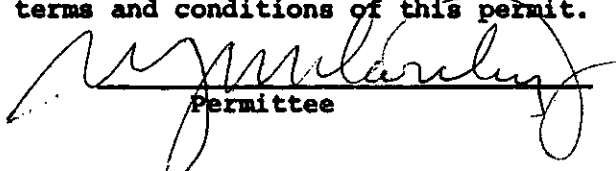
BY Authority of the Secretary of the Army:

MYRON D. SNOKE  
Colonel, Corps of Engineers  
District Engineer

FOR THE DISTRICT ENGINEER:

  
THOMAS F. OUTENBERG  
Major, Corps of Engineers  
Deputy District Engineer

Permittee hereby accepts the terms and conditions of this permit.

  
\_\_\_\_\_  
Permittee

6/1/71  
\_\_\_\_\_  
Date

NCE 119  
MAY 1970

RECORDED RIGHT OF WAY NO. 29179

subject to the following conditions:

(a) That this instrument does not convey any property rights either in real estate or material, or any exclusive privileges; and that it does not authorize any injury to private property or invasion of private rights, or any infringement of Federal, State or local laws or regulations, nor does it obviate the necessity of obtaining State or local assent required by law for the structure or work authorized.

(b) That the structure or work authorized herein shall be in accordance with the plans and drawings attached hereto and construction shall be subject to the supervision and approval of the District Engineer, Corps of Engineers, in charge of the District in which the work is to be performed.

(c) That the District Engineer may at any time make such inspections as he may deem necessary to assure that the construction or work is performed in accordance with the conditions of this permit and all expenses thereof shall be borne by the permittee.

(d) That the permittee shall comply promptly with any lawful regulations, conditions, or instructions affecting the structure or work authorized herein if and when issued by the Federal Water Quality Administration and/or the State water pollution control agency having jurisdiction to abate or prevent water pollution, including thermal or radiation pollution. Such regulations, conditions or instructions in effect or hereafter prescribed by the Federal Water Quality Administration and/or the State agency are hereby made a condition of this permit.

(e) That the permittee will maintain the work authorized herein in good condition in accordance with the approved plans.

(f) That this permit may, prior to the completion of the structure or work authorized herein, be suspended by authority of the Secretary of the Army if it is determined that suspension is in the public interest. \*

(g) That this permit may at any time be modified by authority of the Secretary of the Army if it is determined that, under existing circumstances, modification is in the public interest.\* The permittee, upon receipt of a notice of modification, shall comply therewith as directed by the Secretary of the Army or his authorized representative.

(h) That this permit may be revoked by authority of the Secretary of the Army if the permittee fails to comply with any of its provisions or if the Secretary determines that, under the existing circumstances, such action is required in the public interest.\*

(i) That any modification, suspension or revocation of this permit shall not be the basis for a claim for damages against the United States.

(j) That the United States shall in no way be liable for any damage to any structure or work authorized herein which may be caused by or result from future operations undertaken by the Government in the public interest.

(k) That no attempt shall be made by the permittee to forbid the full and free use by the public of all navigable waters at or adjacent to the structure or work authorized by this permit.

(l) That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and signals as may be prescribed by the United States Coast Guard, shall be installed and maintained by and at the expense of the permittee.

(m) That the permittee shall notify the District Engineer at what time the construction or work will be commenced, as far in advance of the time of commencement as the District Engineer may specify, and of its completion.

(n) That if the structure or work herein authorized is not completed on or before thirty-first day of December, 1974, this permit, if not previously revoked or specifically extended, shall cease and be null and void.

(o) That the legal requirements of all Federal agencies be met.

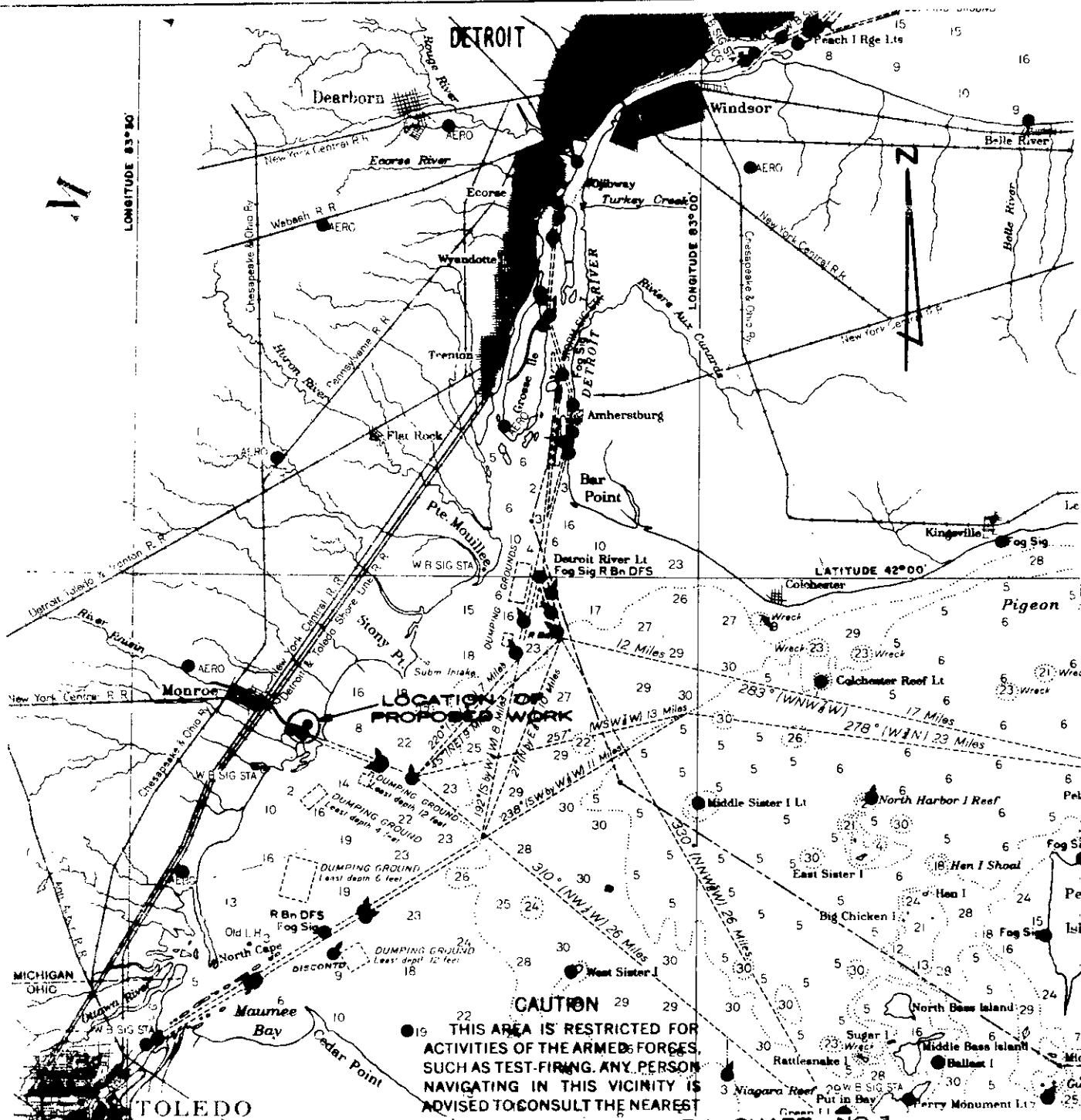
(p) That this permit does not authorize or approve the construction of particular structures, the authorization or approval of which may require action by the Congress or other agencies of the Federal Government.

(q) That all the provisions of this permit shall be binding on any assignee or successor in interest of the permittee.

(r) That if the recording of this permit is possible under applicable State or local law, the permittee shall take such action as may be necessary to record this permit with the Registrar of Deeds or other appropriate official charged with the responsibility for maintaining records of title to and interests in real property.

(s) That the permittee agree to make every reasonable effort to prosecute the construction or work authorized herein in a manner so as to minimize any adverse impact of the construction or work on fish, wildlife and natural environmental values.

(t) That the permittee agrees that it will prosecute the construction of work authorized herein in a manner so as to minimize any degradation of water quality.



RECORDED RIGHT OF WAY NO. 27179

**CAUTION**

● 19 THIS AREA IS RESTRICTED FOR ACTIVITIES OF THE ARMED FORCES, SUCH AS TEST-FIRING. ANY PERSON NAVIGATING IN THIS VICINITY IS ADVISED TO CONSULT THE NEAREST

REPRODUCTION FROM U.S. LAKE SURVEY CHART NO. 3

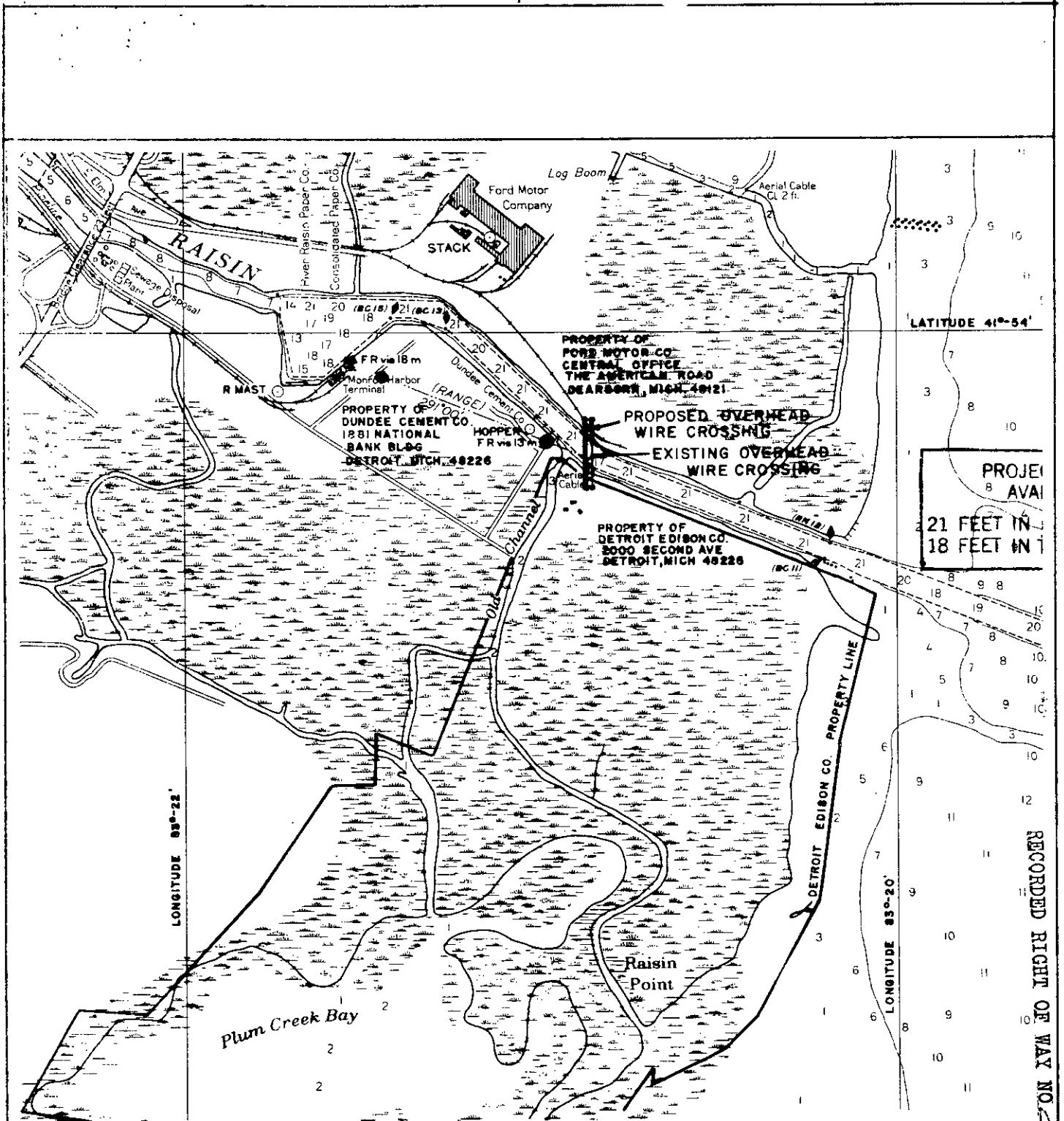
DEPTHS ARE IN FEET AND ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM EL 568.6 FEET ABOVE MEAN WATER LEVEL FATHER POINT, QUEBEC, CANADA.

**VICINITY MAP**  
**PROPOSED OVERHEAD WIRE CROSSING**

OVER RIVER RAISIN AT CITY OF MONROE, MONROE COUNTY, STATE OF MICHIGAN. APPLICATION BY THE DETROIT EDISON CO. DATE JULY 31, 1970

SCALE OF FEET





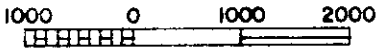
PROJECT  
 AVAILABLE  
 21 FEET IN  
 18 FEET IN

RECORDED RIGHT OF WAY NO. 11119

REPRODUCTION FROM U.S. LAKE SURVEY CHART NO. 376

**LOCATION MAP**

SCALE IN FEET



**PROPOSED OVERHEAD WIRE CROSSING**

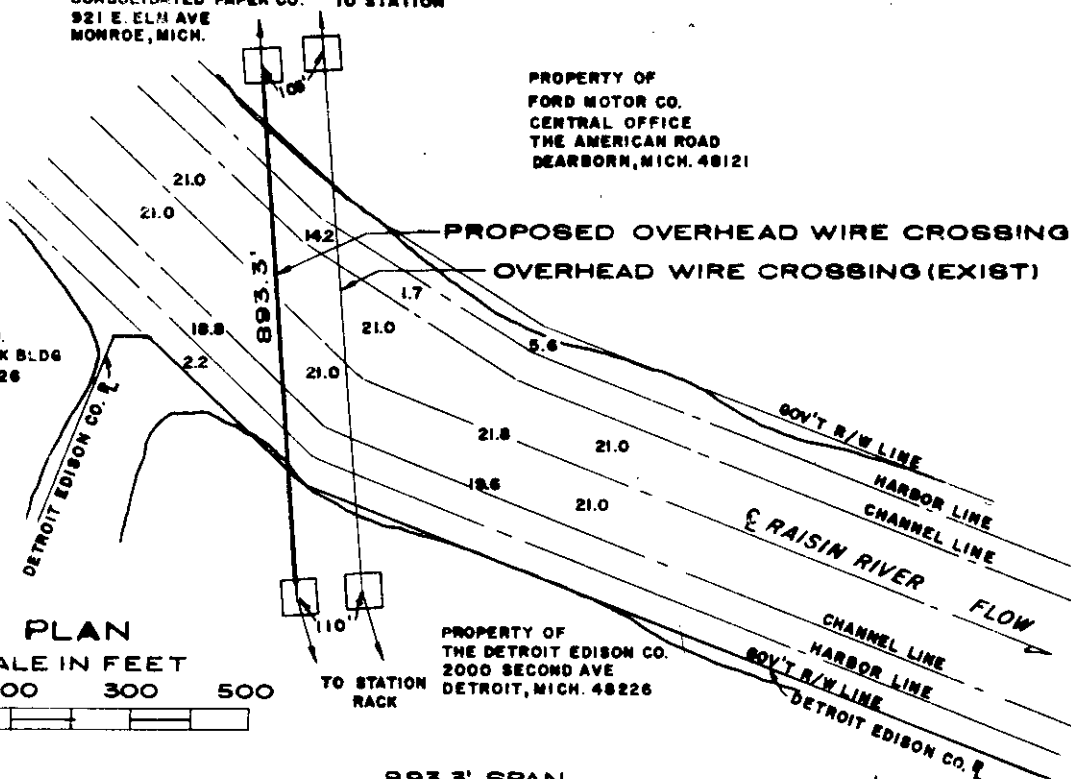
DEPTHS ARE IN FEET AND ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM EL. 568.6 FEET ABOVE MEAN WATER LEVEL FATHER POINT, QUEBEC, CANADA

OVER RIVER RAISIN  
 AT CITY OF MONROE  
 MONROE COUNTY  
 STATE OF MICHIGAN  
 APPLICATION BY THE DETROIT EDISON CO.  
 DATE JULY 31, 1970

PROPERTY OF  
CONSOLIDATED PAPER CO. TO STATION  
921 E. ELM AVE  
MONROE, MICH.

PROPERTY OF  
FORD MOTOR CO.  
CENTRAL OFFICE  
THE AMERICAN ROAD  
DEARBORN, MICH. 48121

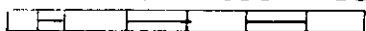
PROPERTY OF  
GURDUEE CEMENT CO.  
1881 NATIONAL BANK BLDG  
DETROIT, MICH. 48226



PLAN

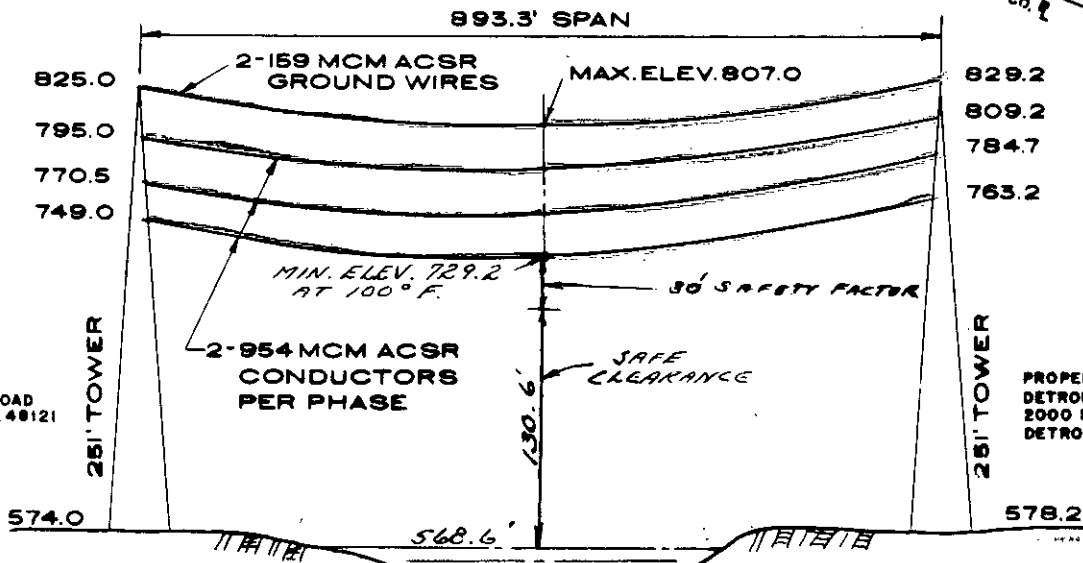
SCALE IN FEET

100 0 100 300 500



PROPERTY OF  
THE DETROIT EDISON CO.  
2000 SECOND AVE  
DETROIT, MICH. 48226

RECORDED RIGHT OF WAY NO. 891179



893.3' SPAN

825.0  
795.0  
770.5  
749.0

2-159 MCM ACSR  
GROUND WIRES

MAX. ELEV. 807.0

829.2  
809.2  
784.7  
763.2

MIN. ELEV. 729.2  
AT 100° F.

30' SAFETY FACTOR

2-954 MCM ACSR  
CONDUCTORS  
PER PHASE

SAFE  
CLEARANCE

251' TOWER

251' TOWER

PROPERTY OF  
DETROIT EDISON CO.  
2000 SECOND AVE  
DETROIT, MICH. 48226

574.0  
568.6  
578.2

SCALE IN FEET

VERTICAL 100 0 100

HORIZONTAL 100 0 100 200

SECTION  
LOOKING EAST

**PROPOSED OVERHEAD WIRE CROSSING**

DEPTHS ARE IN FEET AND ARE  
REFERRED TO INTERNATIONAL  
GREAT LAKES DATUM EL. 568.6  
FEET ABOVE MEAN WATER LEVEL  
FATHER POINT, QUEBEC, CANADA

OVER RIVER RAISIN  
AT CITY OF MONROE  
MONROE COUNTY  
STATE OF MICHIGAN  
APPLICATION BY THE DETROIT EDISON CO.  
DATE JULY 31, 1970

# THE DETROIT EDISON COMPANY

2000 SECOND AVENUE  
DETROIT, MICHIGAN 48226

December 7, 1970

Mr. Roman H. Koenings  
Regional Director  
Bureau of Outdoor Recreation  
U.S. Department of the Interior  
3853 Research Park Drive  
Ann Arbor, Michigan 48104

Dear Mr. Koenings:

We have received a copy of a letter dated September 17, 1970 which you sent to the U.S. Army District Engineer, Detroit, regarding our proposed River Raisin aerial crossing in Monroe, Michigan. In your letter five suggestions were made which you believed would minimize the visual effect on the landscaping in the area. I believe I can assure you that each one of your recommendations embodies a basic principle which we consider at a crossing such as this. With respect to the particular points you have made, our specific comments are as follows:

1. Use of special towers - As you have noted, the new towers will be adjacent to and parallel with the towers for the present line. These towers are special in the sense that they are of sufficient height to give the proper line clearance required for river navigation over the entire span of the river.
2. Painting or surface treatment of towers - These towers will be constructed of galvanized steel which is near to a sky color. This we feel does minimize their visual effect.
3. Vegetation clearance - Because of the tall towers and high conductor clearance, only vegetation in the vicinity of the tower footings will be disturbed.
4. Restoration planting - On the south side of the river, Detroit Edison is constructing an electric generating power plant and as much of the original vegetation as possible will be undisturbed, consistent with the necessary use for our station equipment. Property on the north side is owned by Ford Motor Company and is used for manufacturing purposes. We have planted trees and shrubs on our properties in certain areas and are not adverse to the suggestion. However, in this instance, because of the present surrounding use of the property, we do feel that the value of such isolated planting would be questionable.
5. Bulldozing - It is not our intention to bulldoze the right-of-way.

RECORDED RIGHT OF WAY NO. 179

GA  
ft



THE DETROIT EDISON COMPANY

Mr. Roman H. Koenings

-2-

December 7, 1970

We appreciate your interest in this matter and hope we have answered your questions.

Yours truly,

ORIGINAL SIGNED BY C. M. HEIDEL

Charles M. Heidel  
Manager of Engineering-General

/mc

bcc: Urban W. Boresch  
R. A. Briggs  
C. M. Heidel  
B. H. Schneider  
G. A. Spencer  
P. Murphy, Jr.  
J. S. Wenger  
M. F. Wider

RECORDED RIGHT OF WAY NO. 29179.



DEPARTMENT OF THE ARMY  
 DETROIT DISTRICT, CORPS OF ENGINEERS  
 P. O. BOX 1027  
 DETROIT, MICHIGAN 48231

19 August 1970

IN REPLY REFER TO  
 NCECO-0 70-05-4

PUBLIC NOTICE

PROPOSED AERIAL CABLE CROSSING OVER RIVER RAISIN MONROE, MICHIGAN

1. The Detroit Edison Company, 2000 Second Avenue, Detroit, Michigan has applied to this office for a Federal permit to place an aerial transmission line (345KV) across the River Raisin approximately 3200 feet upstream from the mouth at Monroe, Michigan. The proposed aerial crossing will provide a minimum safe vertical clearance above International Great Lakes Datum (Elev. 568.6') of 130.6' at 100° Fahrenheit in accordance with the plans as shown on the reverse side of this notice.

2. When an application is received for a Department of the Army permit to authorize work in or over a navigable water of the United States, Department regulations state that notice regarding the matter shall be sent to all persons deemed likely to be interested in order that any protests from the standpoint of navigation or other pertinent factors may be presented.

3. Any interested party entertaining objections to the proposed operations should file written protests thereto with this office not later than 4:30 P.M., Eastern Standard Time, 18 September 1970. The determination as to whether a permit will be issued will be based on an evaluation of all relevant factors including the effect of the proposed work on navigation, fish and wildlife, conservation, pollution, and the general public interest. Comments on these factors will be accepted and made part of the record and will be considered in determining whether it would be in the best public interest to grant a permit. Objections should be specific in describing the reasons upon which the protest is founded.

MYRON D. SNOKE  
 Colonel, Corps of Engineers  
 District Engineer

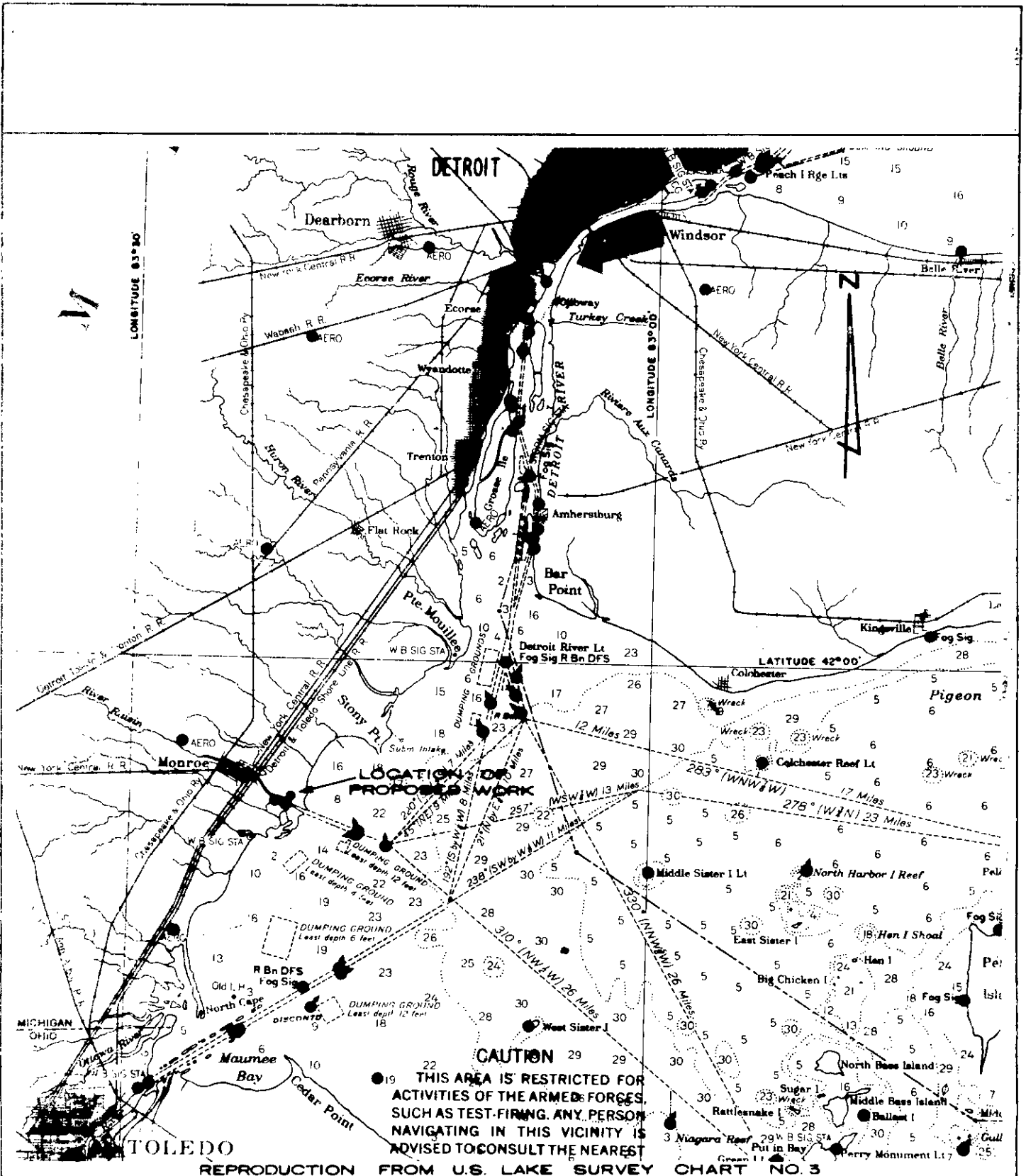
Notice to Postmasters:

It is requested that the above notice be conspicuously and continuously posted until 19 September 1970.

Process No. 70302

RECORDED RIGHT OF WAY NO. 29179

GIA  
 SA



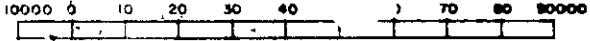
REPRODUCTION FROM U.S. LAKE SURVEY CHART NO. 3

DEPTHS ARE IN FEET AND ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM EL 568.6 FEET ABOVE MEAN WATER LEVEL FATHER POINT, QUEBEC, CANADA.

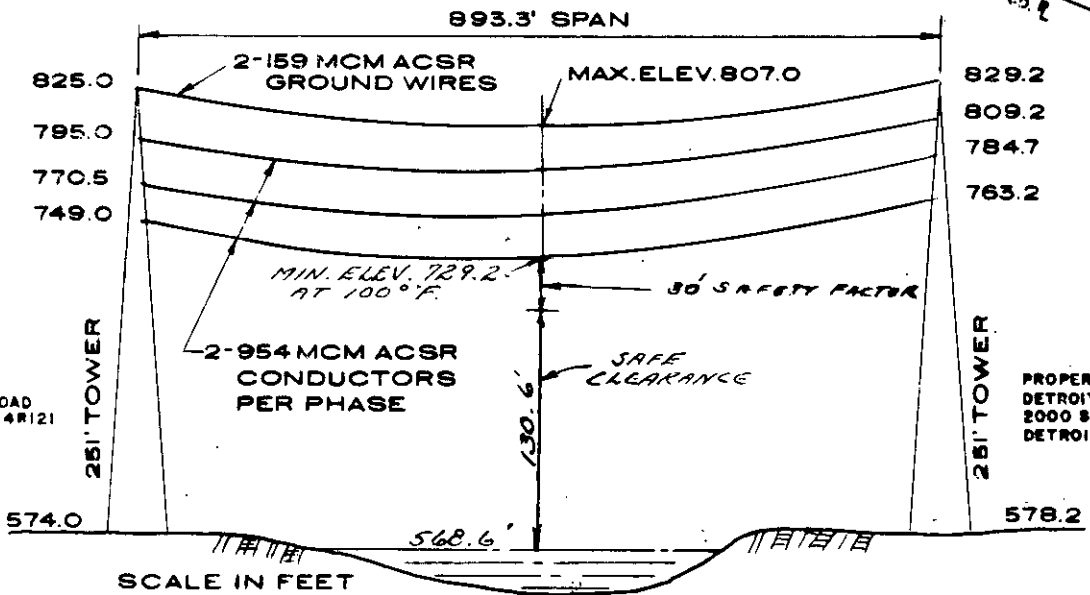
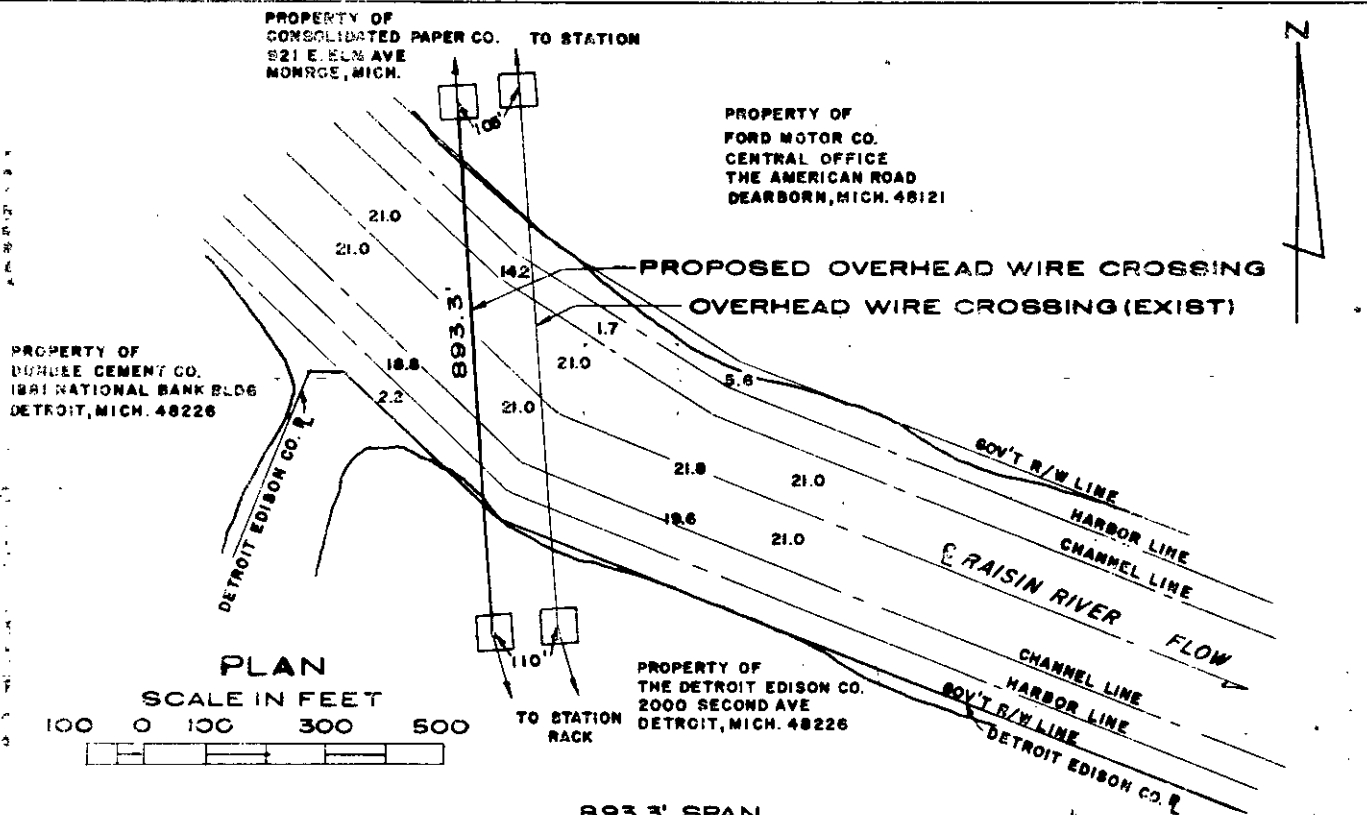
**VICINITY MAP  
PROPOSED OVERHEAD WIRE CROSSING**

OVER RIVER RAISIN  
AT CITY OF MONROE  
MONROE COUNTY  
STATE OF MICHIGAN  
APPLICATION THE DETROIT EDISON CO.  
DATE JULY 3, 70

SCALE OF FEET







**SECTION  
LOOKING EAST  
PROPOSED OVERHEAD WIRE CROSSING**

DEPTHS ARE IN FEET AND ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM EI 568.6 FEET ABOVE MEAN WATER LEVEL FATHER POINT, QUEBEC, CANADA

OVER RIVER RAISIN  
AT CITY OF MONROE  
MONROE COUNTY  
STATE OF MICHIGAN  
APPLICATION THE DETROIT EDISON CO.  
DATE JULY 31, 1970



DEPARTMENT OF THE ARMY  
 DETROIT DISTRICT, CORPS OF ENGINEERS  
 P O BOX 1027  
 DETROIT, MICHIGAN 48231

IN REPLY REFER TO  
 NCECO-O 70-05-4

24 May 1971

Mr. W. J. McCarthy Jr.  
 Manager of Engineering  
 The Detroit Edison Company  
 2000 Second Avenue  
 Detroit, Michigan 48226

1971 MAY 27 AM 11 28

W. J. MCCARTHY, JR.

Dear Mr. McCarthy:

Reference is made to your recent application to place an aerial transmission line across the River Raisin near Monroe, Michigan.

We are inclosing two (2) copies of the proposed Federal permit for your signature. Your signature constitutes your specific agreement to all terms and conditions of the permit.

Please return the signed copies to this office. Upon receipt, the permit will be executed on behalf of the Government of the United States and returned to you.

If the inclosed permits are not signed and returned within 30 days, this application will be suspended.

Sincerely yours,

URBAN W. BORSCH, Chief  
 Operations & Maintenance Branch  
 Construction-Operations Division

1 Incl  
 Permit No. 70-05-4  
 (dupe)

RECORDED RIGHT OF WAY NO. 271174



DEPARTMENT OF THE ARMY  
 DETROIT DISTRICT, CORPS OF ENGINEERS  
 P. O. BOX 1027  
 DETROIT, MICHIGAN 48231

W.J. MCCARTHY, JR.

IN REPLY REFER TO  
 NCECO-O 70-05-4

1971 JUL 13 PM 1 43  
 8 JUL 1971

Mr. W. J. McCarthy, Jr.  
 Manager of Engineering  
 The Detroit Edison Company  
 2000 Second Avenue  
 Detroit, Michigan 48226

*MONROE - WAYNE 1&2*

Dear Mr. McCarthy:

Federal Permit No. 70-05-4, to place an aerial transmission line (345KV) having a minimum free vertical clearance of 160.6 feet above International Great Lake Datum (Elev. 568.6') across River Raisin near Monroe, Michigan, is inclosed.

In accordance with condition (m) of the permit, it is required that you inform this office immediately upon commencement of construction, and that the inclosed completion report be filled out and returned upon completion of the work.

Any material changes in the location or plans of the work herein authorized should be submitted to the District Engineer prior to start of work in order that the revised plans, if unobjectionable, may receive the approval required by law.

You are responsible for assuring that your contractor abides by the conditions of this permit. For that purpose there is inclosed an unsigned copy of the permit which you may wish to furnish him for use in the field.

Sincerely yours,

*Thomas F. Osterberg*

THOMAS F. OSTENBERG  
 Major, Corps of Engineers  
 Deputy District Engineer

- 2 Incl  
 1. Permit No. 70-05-4  
 w/print (dupe)  
 2. Completion Report  
 w/notice

DEPARTMENT OF THE ARMY PERMIT NO. 70-05-4

PERMIT

District Engineer  
U.S. Army Engineer District, Detroit  
Corps of Engineers  
Detroit, Michigan 48231

---

Detroit Edison Company  
2000 Second Avenue  
Detroit, Michigan

Sirs:

Referring to written request dated 31 July 1970

upon the recommendation of the Chief of Engineers, and under the provisions of Section 10 of the Act of Congress approved March 3, 1899 (33 U.S.C. § 403), entitled "An act making appropriations for the construction, repair, and preservation of certain public works on rivers and harbors, and for other purposes," you are hereby authorized by the Secretary of the Army

to place an aerial transmission line (345 KV) having a minimum free vertical clearance of 160.6 feet above International Great Lakes Datum (Elev. 568.6')

across River Raisin

at Monroe, Michigan, approximately 3200 feet upstream from the mouth of the river

in accordance with the plans and drawings attached hereto marked:

"Proposed Overhead Wire Crossing over River Raisin at City of Monroe Monroe County State of Michigan Application by the Detroit Edison Co. Date July 31, 1970"

RECORDED COPY OF PERMIT NO. 70-05-4



subject to the following conditions:

(a) That this instrument does not convey any property rights either in real estate or material, or any exclusive privileges; and that it does not authorize any injury to private property or invasion of private rights, or any infringement of Federal, State or local laws or regulations, nor does it obviate the necessity of obtaining State or local assent required by law for the structure or work authorized.

(b) That the structure or work authorized herein shall be in accordance with the plans and drawings attached hereto and construction shall be subject to the supervision and approval of the District Engineer, Corps of Engineers, in charge of the District in which the work is to be performed.

(c) That the District Engineer may at any time make such inspections as he may deem necessary to assure that the construction or work is performed in accordance with the conditions of this permit and all expenses thereof shall be borne by the permittee.

(d) That the permittee shall comply promptly with any lawful regulations, conditions, or instructions affecting the structure or work authorized herein if and when issued by the Federal Water Quality Administration and/or the State water pollution control agency having jurisdiction to abate or prevent water pollution, including thermal or radiation pollution. Such regulations, conditions or instructions in effect or hereafter prescribed by the Federal Water Quality Administration and/or the State agency are hereby made a condition of this permit.

(e) That the permittee will maintain the work authorized herein in good condition in accordance with the approved plans.

(f) That this permit may, prior to the completion of the structure or work authorized herein, be suspended by authority of the Secretary of the Army if it is determined that suspension is in the public interest. \*

(g) That this permit may at any time be modified by authority of the Secretary of the Army if it is determined that, under existing circumstances, modification is in the public interest.\* The permittee, upon receipt of a notice of modification, shall comply therewith as directed by the Secretary of the Army or his authorized representative.

(h) That this permit may be revoked by authority of the Secretary of the Army if the permittee fails to comply with any of its provisions or if the Secretary determines that, under the existing circumstances, such action is required in the public interest.\*

(i) That any modification, suspension or revocation of this permit shall not be the basis for a claim for damages against the United States.

- (j) That the United States shall in no way be liable for any damage to any structure or work authorized herein which may be caused by or result from future operations undertaken by the Government in the public interest.
- (k) That no attempt shall be made by the permittee to forbid the full and free use by the public of all navigable waters at or adjacent to the structure or work authorized by this permit.
- (l) That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and signals as may be prescribed by the United States Coast Guard, shall be installed and maintained by and at the expense of the permittee.
- (m) That the permittee shall notify the District Engineer at what time the construction or work will be commenced, as far in advance of the time of commencement as the District Engineer may specify, and of its completion.
- (n) That if the structure or work herein authorized is not completed on or before thirty-first day of December, 1974, this permit, if not previously revoked or specifically extended, shall cease and be null and void.
- (o) That the legal requirements of all Federal agencies be met.
- (p) That this permit does not authorize or approve the construction of particular structures, the authorization or approval of which may require action by the Congress or other agencies of the Federal Government.
- (q) That all the provisions of this permit shall be binding on any assignee or successor in interest of the permittee.
- (r) That if the recording of this permit is possible under applicable State or local law, the permittee shall take such action as may be necessary to record this permit with the Registrar of Deeds or other appropriate official charged with the responsibility for maintaining records of title to and interests in real property.
- (s) That the permittee agree to make every reasonable effort to prosecute the construction or work authorized herein in a manner so as to minimize any adverse impact of the construction or work on fish, wildlife and natural environmental values.
- (t) That the permittee agrees that it will prosecute the construction of work authorized herein in a manner so as to minimize any degradation of water quality.

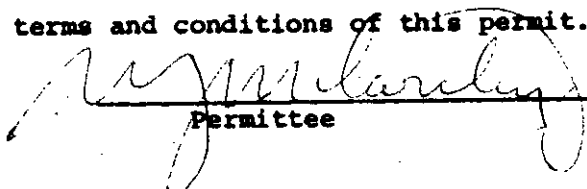
RECORDED RIGHT OF WAY NO. 27172

(u) That the permittee, upon receipt of a notice of revocation of this permit or upon its expiration before completion of the authorized structure or work, shall, without expense to the United States, at the direction of the Secretary of the Army and in such time and manner as the Secretary or his authorized representative may direct, restore the waterway to its former condition. If the permittee fails to comply with the direction of the Secretary of the Army or his authorized representative, the Secretary or his designee may restore the waterway to its former condition, by contract or otherwise, and recover the cost thereof from the permittee.

\*A judgment as to whether or not suspension, modification or revocation is in the public interest involves a consideration of the impact that any such action or the absence of any such action may have on factors affecting the public interest. Such factors include, but are not limited to navigation, fish and wildlife, water quality, economics, conservation, aesthetics, recreation, water supply, flood damage prevention, ecosystems and, in general, the needs and welfare of the people.

BY Authority of the Secretary of the Army:

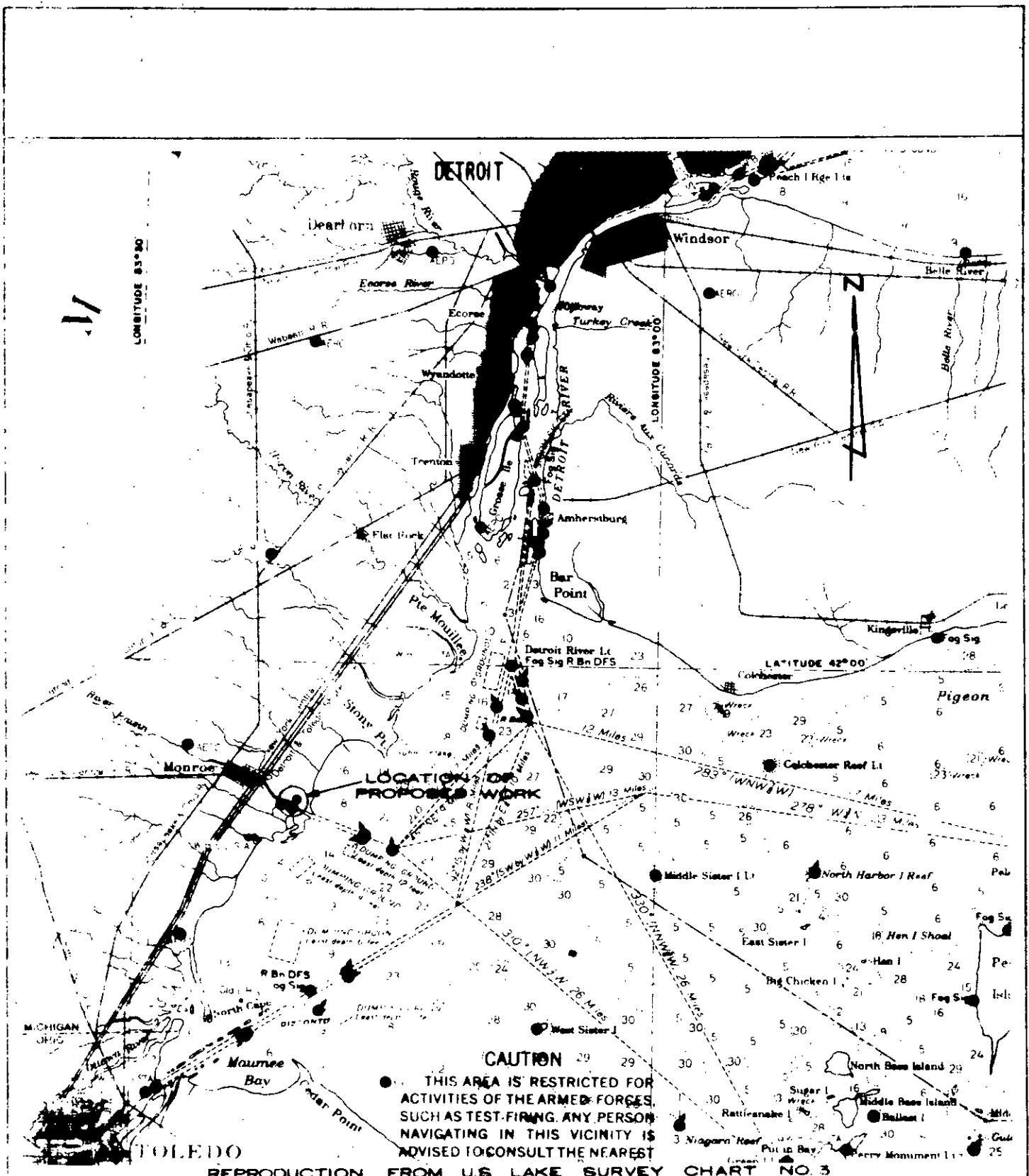
Permittee hereby accepts the terms and conditions of this permit.

  
\_\_\_\_\_  
Permittee

6/1/71  
\_\_\_\_\_  
Date

RECORDED RIGHT OF WAY NO. 241193

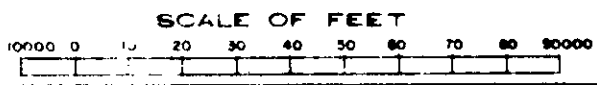




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 NAVIGATING IN THIS VICINITY IS  
 ADVISED TO CONSULT THE NEAREST

REPRODUCTION FROM U.S. LAKE SURVEY CHART NO. 3

DEPTHS ARE IN FEET AND ARE  
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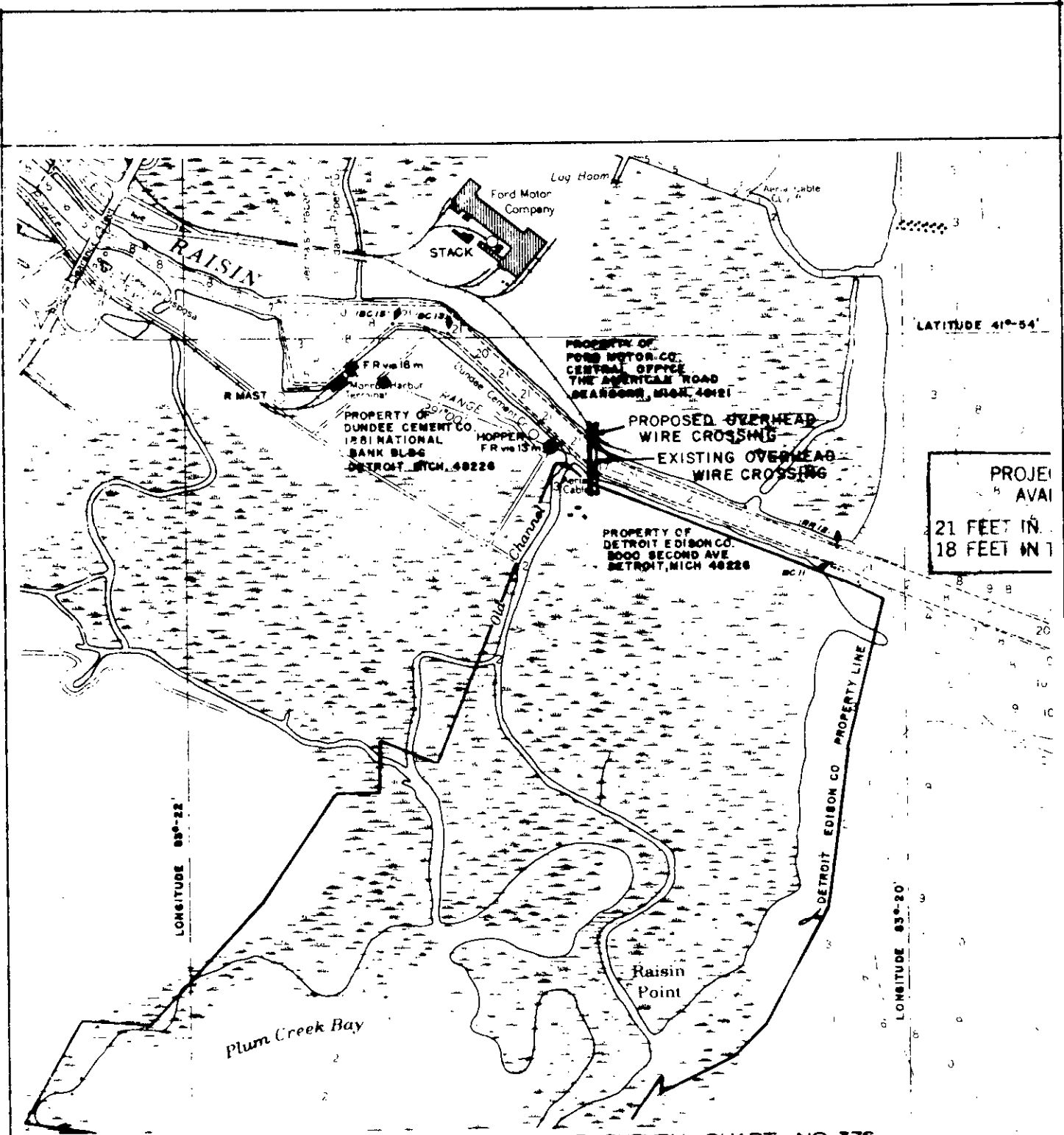


**VICINITY MAP**  
**PROPOSED OVERHEAD WIRE CROSSING**  
 OVER RIVER RAISE  
 AT CITY OF MONROE  
 MONROE COUNTY  
 STATE OF MICHIGAN  
 APPLICATION BY THE DETROIT EDISON CO.  
 DATE JULY 31, 1970

143

6/1/70

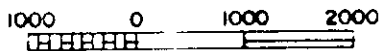




REPRODUCTION FROM U.S. LAKE SURVEY CHART NO. 376

**LOCATION MAP**

SCALE IN FEET

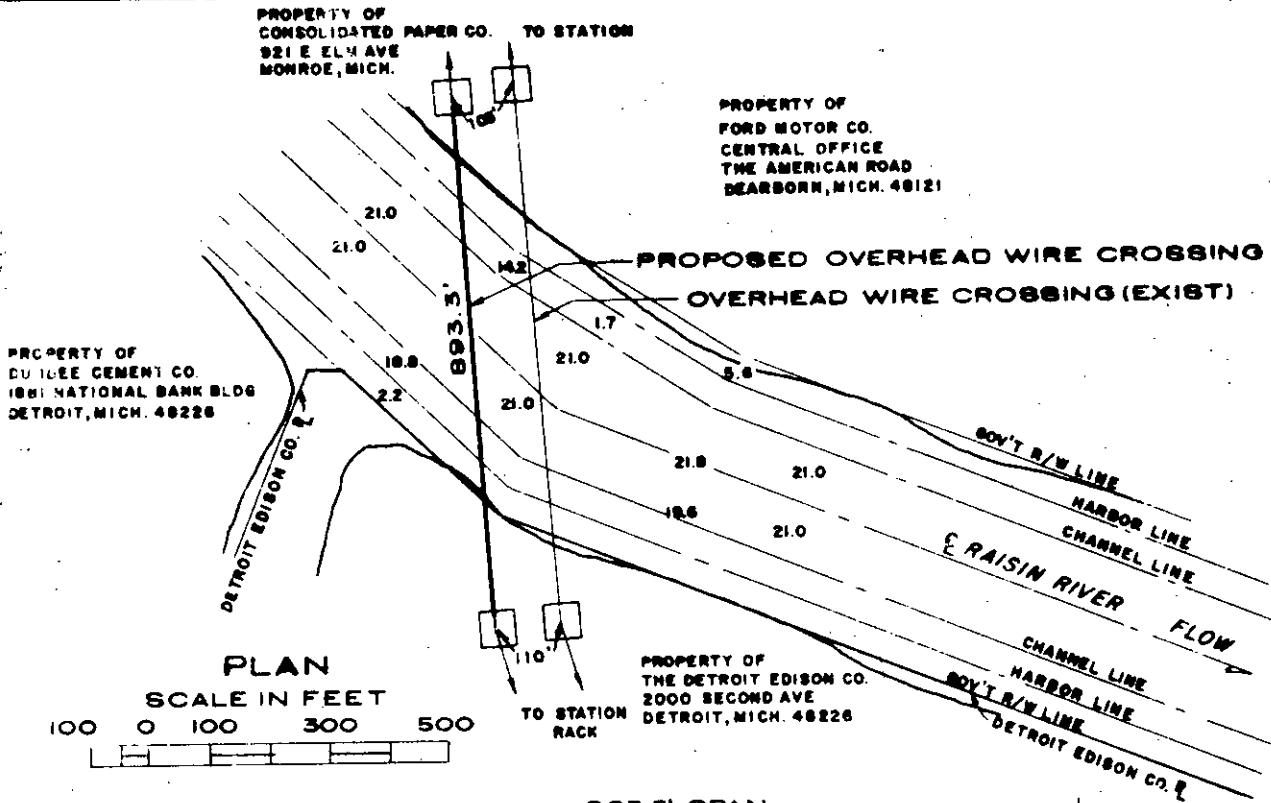


**PROPOSED OVERHEAD WIRE CROSSING**

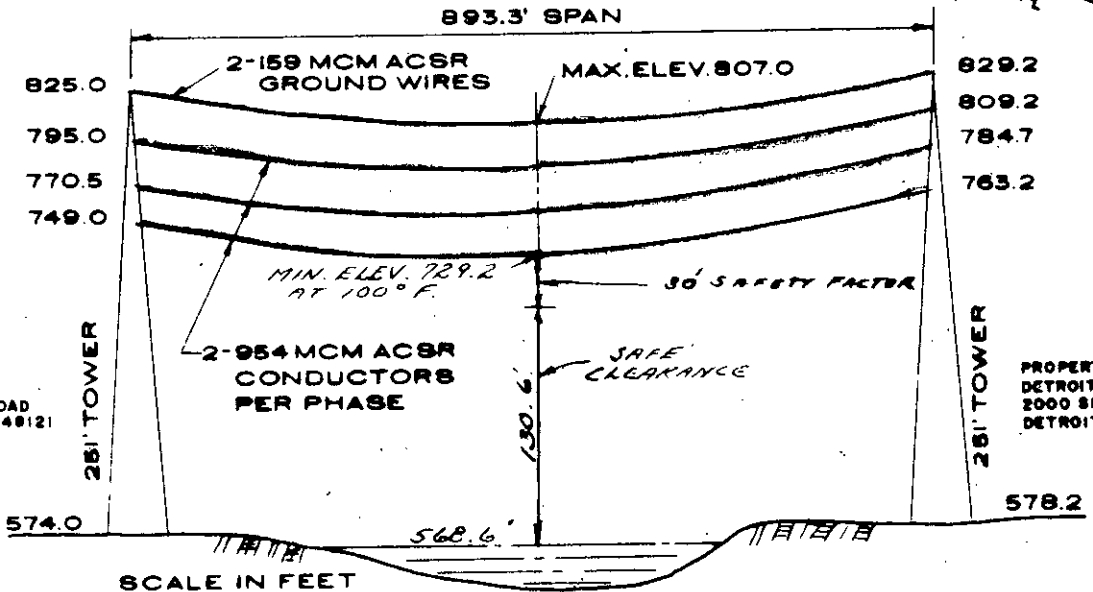
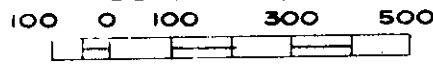
DEPTHS ARE IN FEET AND ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM EL 588.6 FEET ABOVE MEAN WATER LEVEL FATHER POINT, QUEBEC, CANADA

OVER RIVER RAISIN  
 AT CITY OF MONROE  
 MONROE COUNTY  
 STATE OF MICHIGAN  
 APPLICATION BY THE DETROIT EDISON CO.  
 DATE JULY 31, 1970

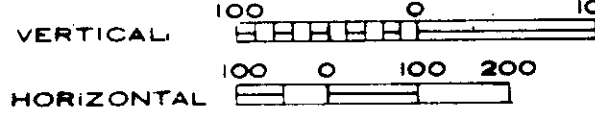
*61.161*



**PLAN**  
SCALE IN FEET



SCALE IN FEET



**SECTION**  
LOOKING EAST

**PROPOSED OVERHEAD WIRE CROSSING**

DEPTHS ARE IN FEET AND ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM EL. 568.6 FEET ABOVE MEAN WATER LEVEL FATHER POINT, QUEBEC, CANADA

OVER RIVER RAISIN  
AT CITY OF MONROE  
MONROE COUNTY  
STATE OF MICHIGAN  
APPLICATION BY THE DETROIT EDISON CO.  
DATE JULY 31, 1970

RECORDED RIGHT OF WAY NO. 37179





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF OUTDOOR RECREATION

To: R.A. Briggs

W.J. MCCARTHY, JR.

LAKE CENTRAL REGION  
3853 RESEARCH PARK DRIVE  
ANN ARBOR, MICHIGAN 48104

1971 APR 30 AM 9 23

D6433 Detroit

April 28, 1971

ROBERT A. BRIGGS

MAY 3 1971

Mr. W. J. McCarthy, Jr.  
Manager of Engineering  
The Detroit Edison Company  
2000 Second Avenue  
Detroit, Michigan 48226

Dear Mr. McCarthy:

We have received your letter of April 20, 1971, concerning the proposed tower line crossing of the River Raisin at Monroe, Michigan, and were pleased to note your plans for enhancing the site with tree plantings.

We agree that these plantings should improve the riverscape and we commend your company's interest in improving the environment. Accordingly, we withdraw our objections to the issuance of this permit.

Sincerely yours,

ROMAN H. KOENINGS  
Regional Director

By:

Robert H. Myers  
Acting

Reply to  
ME 71-291  
by RAB.

RECORDED RIGHT OF WAY NO. 29179

# THE DETROIT EDISON COMPANY

2000 SECOND AVENUE  
DETROIT, MICHIGAN 48226

ROBERT A. BRIGGS

APR 22 1971

April 20, 1971

Mr. Roman H. Koenings  
Regional Director  
Bureau of Outdoor Recreation  
U.S. Department of Interior  
3853 Research Park Drive  
Ann Arbor, Michigan

Subject: Your Letter of January 21, 1971 concerning Tower Line Crossing  
of River Raisin at Monroe, Michigan

Dear Mr. Koenings:

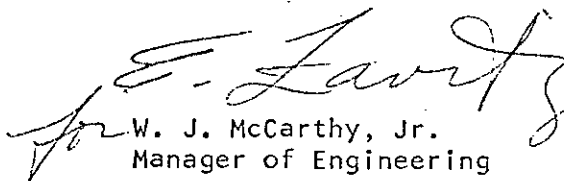
In compliance with your request, plantings will be made on both sides of the river.

We propose to landscape the north side with five Salix (Willow) and twenty Cornus (Red Osier Dogwood) as indicated on Photo "B". As this is not Edison property, permission will have to be obtained from the Ford Motor Company. We do not anticipate any difficulty.

On the south side, which is Edison property, five weeping willows will be planted between the yard fence and the river. The location of the trees are indicated on Photo "A". An artist's rendition has been prepared showing how the landscaping will appear some years hence. An 8 x 10 photograph is enclosed showing this conception.

The plantings should provide an attractive and engaging vista for river boaters. Thank you for your interest.

Sincerely yours,

  
W. J. McCarthy, Jr.  
Manager of Engineering

RAB:pb

cc: Urban W. Boresch  
B. H. Schneider  
G. A. Spencer  
P. Murphy, Jr.

J. S. Wenger  
M. F. Wider  
J. E. Knight  
R. A. Briggs

BOB - MAILED ORIG & COPIES  
AS LISTED  
JEB  
4-21-71

RECORDED RIGHT OF WAY NO. 297179

GMA  
R. Briggs

STATE OF MICHIGAN NOV 5 AM 11 16

NATURAL RESOURCES COMMISSION

AUGUST SCHOLLE  
Chairman  
CARL T. JOHNSON  
E. M. LAITALA  
ROBERT C. McLAUGHLIN  
HARRY H. WHITELEY



WILLIAM G. MILLIKEN, Governor

DEPARTMENT OF NATURAL RESOURCES  
STEVENS T. MASON BUILDING, LANSING, MICHIGAN 48926  
RALPH A. MAC MULLAN, Director

WATER RESOURCES COMMISSION

JOHN E. VOGT  
Chairman  
STANLEY QUACKENBUSH  
Vice Chairman  
GERALD E. EDDY  
JOHN P. WOODFORD  
JIM GILMORE  
GEORGE F. LIDDLE  
JOHN H. KITCHEL, M.D.

November 3, 1970

District Engineer  
Detroit District  
U. S. Corps of Engineers

Refer to your file 70-05-4  
70302

We acknowledge receipt of your public notice dated August 19, 1970 with  
reference to the application of The Detroit Edison Company 2000 Second Avenue  
(name and address of applicant) Detroit  
for a Federal permit to place proposed aerial cable crossing  
(description of project)  
in River Rasin  
(water affected)

The Department of Natural Resources ( ) will object (x) will not object to the  
work as proposed. Under authority of (x) Act 291, P.A. 1965, as amended,  
( ) Act 247, P.A. 1955, as amended, a permit ( ) has been (x) has not been  
issued to the applicant.

Our objection is based on the following:

Our approval is subject to the following:

State permit not required.

Copies to:  
Regional Manager Laycock  
Fish Division 1  
Game Division 1  
Water Resources \_\_\_\_\_  
Waterways \_\_\_\_\_  
District Jones (2)  
Fed. Pollution \_\_\_\_\_  
Applicant 1 ✓

DALE W. GRANGER, Chief  
Hydrological Survey Division

M. C. Nielsen  
M. C. Nielsen  
Submerged Lands Management Section  
Bureau of Water Management



RECORDED RIGHT OF WAY NO. 27772

# THE DETROIT EDISON COMPANY

2000 SECOND AVENUE  
DETROIT, MICHIGAN 48226

July 31, 1970

Colonel Myron D. Snoke  
District Engineer  
U.S. Army Engineer District, Detroit  
150 Michigan Avenue  
Detroit, Michigan 48226

Dear Colonel Snoke:

**SUBJECT: An Aerial Electric Cable Crossing of the River Raisin at our  
Monroe Power Plant, City of Monroe, Michigan**

We request a permit for the construction of a double circuit aerial 345 kv transmission line across the River Raisin from property of the Ford Motor Company to property owned by The Detroit Edison Company. It is our intention to build the supporting towers and begin installing the overhead conductors during the latter part of this year. This crossing will furnish additional electrical energy from our new power plant at Monroe to several switching stations located northerly from the plant.

The crossing, as shown on the attached location maps, will be about 3200 feet upstream from the mouth of the River Raisin at Lake Erie and lies within the City of Monroe. It is also approximately 110' upstream of and parallel to an existing 345 kv aerial crossing.

The westerly property owner on the south side of the River Raisin is the Dundee Cement Company, 1881 National Bank Building, Detroit, Michigan, 48226, and the westerly property owner on the north side of the River Raisin is The Consolidated Paper Company, 921 E. Elm Avenue, Monroe, Michigan, 48161. There are no owners easterly of the properties upon which the crossing support towers are constructed.

In addition to the enclosed vicinity map, location map and construction drawing, you will find four copies of our agreement with the Ford Motor Company to construct our crossing on and in front of their property.

Very truly yours,



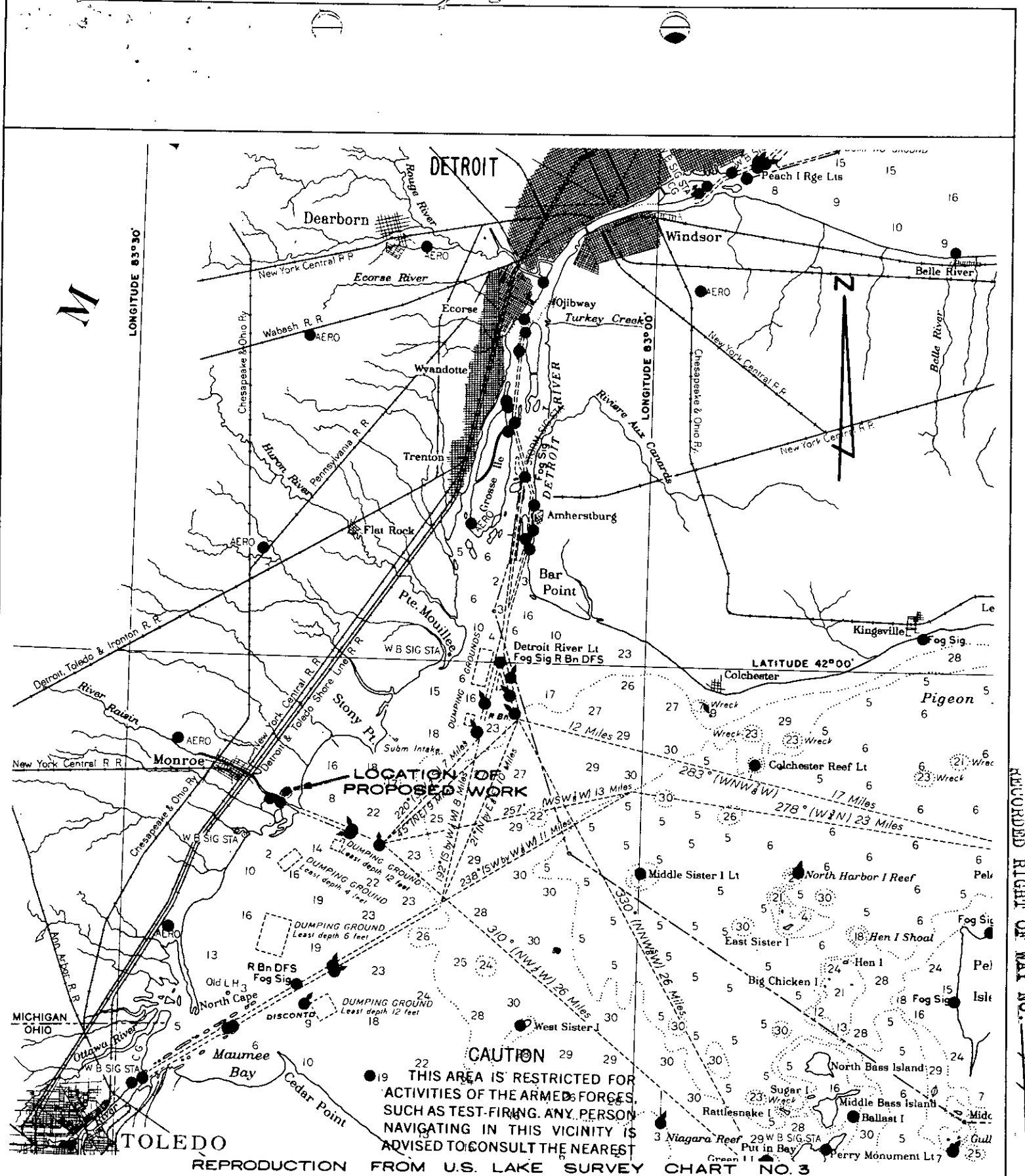
Charles M. Heidel  
Manager of Engineering General

**PHC/lc  
Enclosures**

cc: C. M. Heidel      J. S. Wenger  
R. A. Briggs      M. F. Wider  
B. H. Schneider    P. Murphy, Jr.  
G. A. Spencer

RECORDED RIGHT OF WAY NO. 107129

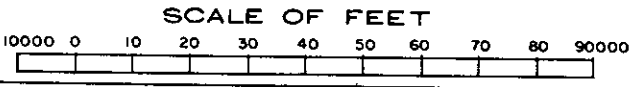
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DEPTHS ARE IN FEET AND ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM EL. 568.6 FEET ABOVE MEAN WATER LEVEL FATHER POINT, QUEBEC, CANADA.

**VICINITY MAP**  
**PROPOSED OVERHEAD WIRE CROSSING**

OVER RIVER RAISIN  
 AT CITY OF MONROE  
 MONROE COUNTY  
 STATE OF MICHIGAN  
 APPLICATION BY THE DETROIT EDISON CO.  
 DATE JULY 31, 1970

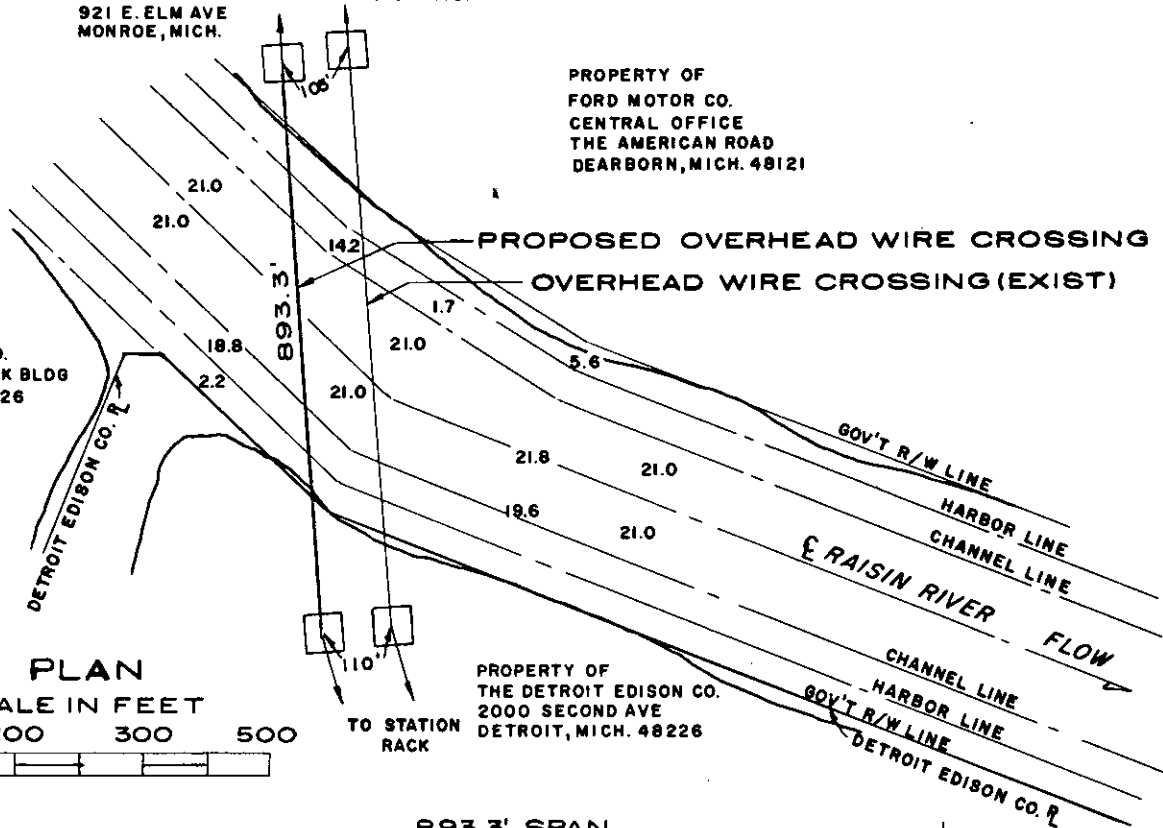


RECORDED RIGHT OF WAY NO. 31179

PROPERTY OF  
CONSOLIDATED PAPER CO. TO STATION  
921 E. ELM AVE  
MONROE, MICH.

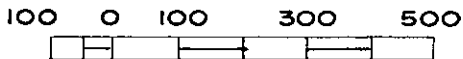
PROPERTY OF  
FORD MOTOR CO.  
CENTRAL OFFICE  
THE AMERICAN ROAD  
DEARBORN, MICH. 48121

PROPERTY OF  
DUNDEE CEMENT CO.  
1881 NATIONAL BANK BLDG  
DETROIT, MICH. 48226



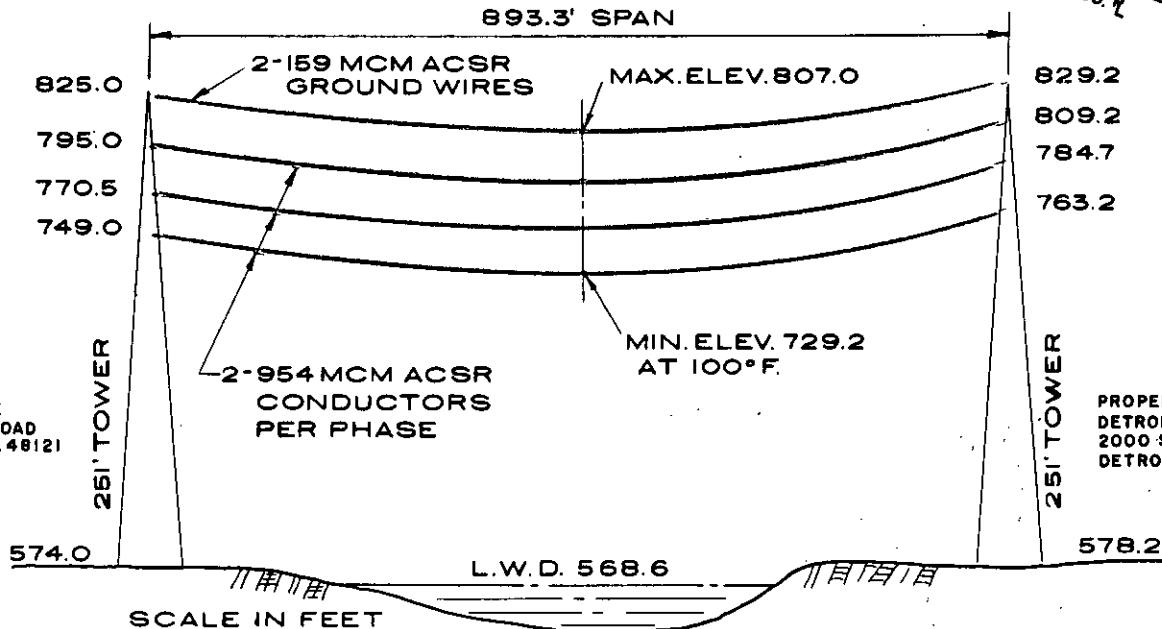
**PLAN**

SCALE IN FEET



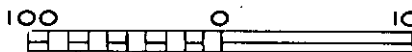
PROPERTY OF  
THE DETROIT EDISON CO.  
2000 SECOND AVE  
DETROIT, MICH. 48226

893.3' SPAN

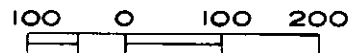


SCALE IN FEET

VERTICAL



HORIZONTAL



**SECTION  
LOOKING EAST**

**PROPOSED OVERHEAD WIRE CROSSING**

DEPTHS ARE IN FEET AND ARE  
REFERRED TO INTERNATIONAL  
GREAT LAKES DATUM EL. 568.6  
FEET ABOVE MEAN WATER LEVEL  
FATHER POINT, QUEBEC, CANADA

OVER RIVER RAISIN  
AT CITY OF MONROE  
MONROE COUNTY  
STATE OF MICHIGAN  
APPLICATION BY THE DETROIT EDISON CO.  
DATE JULY 31, 1970

RECORDED RIGHT OF WAY NO. 27179



DEPARTMENT OF THE ARMY  
DETROIT DISTRICT, CORPS OF ENGINEERS  
P. O. BOX 1027  
DETROIT, MICHIGAN 48231

28 September 1970

IN REPLY REFER TO  
NCECO-O 70-05-4

Mr. Charles M. Heidel  
Manager of Engineering General  
The Detroit Edison Company  
2000 Second Avenue  
Detroit, Michigan 48226

Dear Mr. Heidel:

In reply to our 19 August 1970 public notice describing your proposed aerial cable over the River Raisin we have received a letter from the U. S. Department of the Interior, Bureau of Outdoor Recreation commenting on the proposed work. A copy of this letter is inclosed for your information.

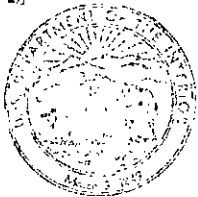
Any comments pertaining to the recommendations in the inclosed letter should be directed to the U. S. Department of the Interior, Bureau of Outdoor Recreation with a copy of your letter to this office.

Sincerely yours,

URBAN W. BORESCH, Chief  
Operations & Maintenance Branch  
Construction-Operations Division

1 Incl  
Ltr 17 Sep 70

RECORDED RIGHT OF WAY NO. 87179



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF OUTDOOR RECREATION

LAKE CENTRAL REGION

3883 RESEARCH PARK DRIVE

ANN ARBOR, MICHIGAN 48104

D5433 Detroit

September 17, 1970

District Engineer  
U.S. Army Engineer District,  
Detroit  
P.O. Box 1027  
Detroit, Michigan 48231

Dear Sir:

Reference is made to Public Notice NCECO-0 70-05-4, dated August 19, 1970, pertaining to an application for a permit by the Detroit Edison Company to place a 345 KV aerial transmission line across the River Raisin at Monroe, Michigan.

Our Nation's expanding population with the resultant pressures for development has resulted in a substantial reduction of recreation and environmental resources. While the reduction in natural resources caused by any single project is not likely to be significant from a national viewpoint, the cumulative effects of these projects do pose a serious threat to the preservation of adequate recreational and environmental resources to meet future needs. We fully recognize the need for such developments but are aware that such transmission line crossings do have an adverse effect on the scenic environment of a river.

In view of the foregoing, we are pleased that this crossing will be adjacent to an existing crossing. In order to further minimize the visual effect on the landscape in the area of the river, we would like to recommend the following:

1. Use of special terminal towers adjacent to the river to allow for a long span, yet proper heights of conductors and concealment of towers.
2. Painting and/or surface treating of the towers to minimize their visual effect.
3. Minimal allowable clearance of vegetation from the conductors.

RECORDED RIGHT OF WAY NO. 27174



4. Restoration planting where disruption to the landscape has taken place due to new construction, particularly at the riverbanks.

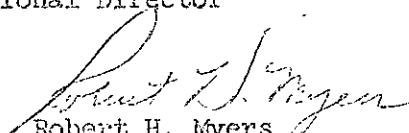
5. No bulldozing of the right-of-way.

Thank you for the opportunity to comment on this permit. We would appreciate your keeping us informed concerning the disposition of this permit.

Sincerely yours,

ROMAN H. KOENINGS  
Regional Director

By:

  
Robert H. Myers  
Acting

R Briggs



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF OUTDOOR RECREATION

MANAGER OF ENGINEERING

LAKE CENTRAL REGION  
3853 RESEARCH PARK DRIVE  
ANN ARBOR, MICHIGAN 48104

1971 JAN 26 AM 11 33

D36

January 21, 1971

Mr. Charles M. Heidel  
Manager of Engineering-  
General  
The Detroit Edison Company  
2000 Second Avenue  
Detroit, Michigan 48226

Dear Mr. Heidel:

We have reviewed your letter of December 7, 1970, concerning our comments on Public Notice NCECO-0 70-05-4, dated August 19, 1970, pertaining to an application for a permit for a 375 KV aerial transmission line across the River Raisin at Monroe, Michigan.

Your Company's plans for the river crossing basically concur with the recommendations we made in our letter of September 17, 1970, to the Corps of Engineers, Detroit District. However, we still desire assurance that restoration plantings will be undertaken to minimize any disturbance of vegetation resulting from this aerial crossing. We will no longer have any objections to the issuance of the permit when this assurance is given.

We appreciate your concern for the environment at a crossing such as this and hope you will continue to consider any methods that can be utilized to help reduce the intrusive effects of these crossings.

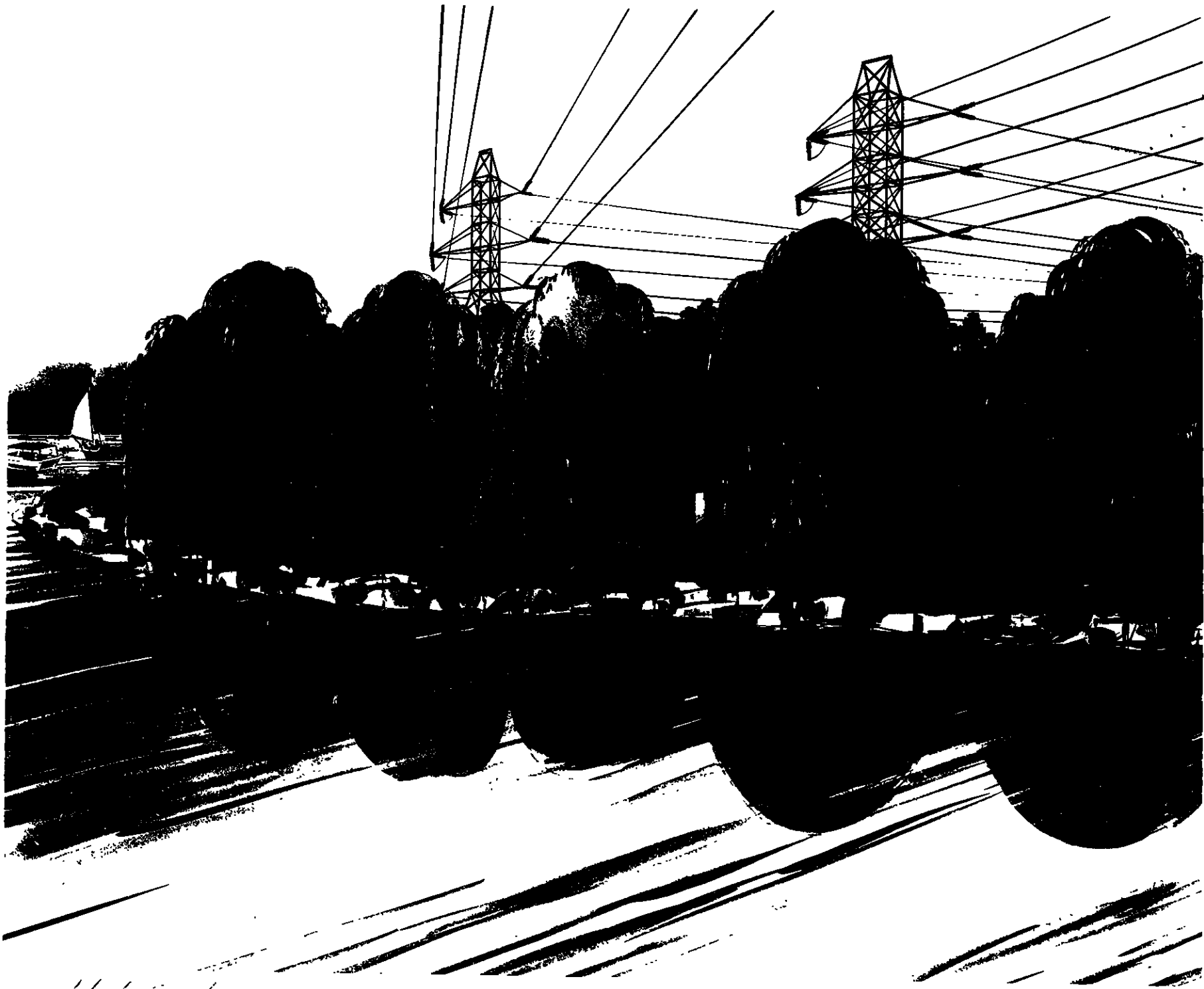
Sincerely yours,

ROMAN H. KOENINGS  
Regional Director

By:

*Robert H. Myers*  
Robert H. Myers  
Acting

RECORDED RIGHT OF WAY NO 27179





**DEPARTMENT OF THE ARMY  
DETROIT DISTRICT, CORPS OF ENGINEERS  
P O BOX 1027  
DETROIT, MICHIGAN 48231**

IN REPLY REFER TO  
NCECO-S

IMPORTANT

THIS COMPLETION REPORT MUST BE MAILED TO THE DISTRICT ENGINEER IMMEDIATELY UPON COMPLETION OR SUSPENSION OF WORK COVERED BY THE PERMIT TO INSURE AN ACCURATE GOVERNMENT RECORD OF DATA AFFECTING NAVIGATION.

Place Detroit, Michigan  
Date August 25, 1971  
Re: NCECO-0 70-05-4

District Engineer  
U. S. Army Engineer District, Detroit  
P. O. Box 1027  
Detroit, Michigan 48231

Dear Sir:

You are hereby notified that work under Department of the Army Army Permit No. 70-05-4, issued to The Detroit Edison Company for placing aerial transmission line across River Raisin, Monroe, Michigan was  completed in accordance with the permit ~~on~~ about July 15, 1971;  completed except as noted in remarks;  discontinued, see remarks.

REMARKS: Construction is complete but restoration planting and landscaping is dependent on favorable weather and the season.

Name of Contractor L. E. Meyers Construction Company

(Signature) W. J. McCarthy, Jr.  
Assistant Vice President and  
Manager of Engineering  
(Title such as owner, agent, etc.)

(See instructions on reverse side)

RECORDED RIGHT OF WAY NO. 207179

The information contained on the front side of this report is needed to insure that Government data affecting navigation are kept current thereby facilitating current and accurate entries on all navigation publications, including charts, prepared and maintained by the Corps of Engineers.

INSTRUCTIONS TO PERMITTEE FOR PREPARATION OF COMPLETION  
REPORTS

1. Report must be completed and returned to the District Office within 10 days after completion of work covered by permit.

2. Where after dredging soundings are made of projects which includes dredging, a copy of the soundings should accompany this report. If the soundings are measured from the water surface and have not been corrected to International Great Lakes Datum plane, the hour and date sounding was made should be noted on sounding reports.

**NOTE:**

Although permits authorizing structures carry an expiration date, REPAIRS that conform to the permit plans are also within the scope of the authorization. Therefore, it is recommended that expired permits not be destroyed, but retained as proof that the work to be repaired has received the Corps of Engineer's approval. Permittee may obtain copies of their permit from this office for a nominal charge.

RECORDED RIGHT OF WAY NO. 377279

INTERDEPARTMENT CORRESPONDENCE

Generation Engineering Department

August 27, 1971

Memorandum to: Mr. Jim Wetzel  
226 General Offices

Subject: Aerial Electric Cable Crossing of the River Raisin  
at Monroe Power Plant

Attached are the documents covering a U.S. Corps of  
Engineers permit for the cable crossing. Please forward those  
necessary for central files.

*Robert A. Briggs*  
Robert A. Briggs  
Civil Engineer

RAB:pb

RECORDS CENTER
RECEIVED OCT 7 '71
TICKLER MADE
CLASSIFIED

RECORDED RIGHT OF WAY NO. 87179

R. Briggs



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF OUTDOOR RECREATION

MANAGER OF ENGINEERING

LAKE CENTRAL REGION  
3853 RESEARCH PARK DRIVE  
ANN ARBOR, MICHIGAN 48104

1971 JAN 26 AM 11 33

D36

January 21, 1971

Mr. Charles M. Heidel  
Manager of Engineering-  
General  
The Detroit Edison Company  
2000 Second Avenue  
Detroit, Michigan 48226

Dear Mr. Heidel:

We have reviewed your letter of December 7, 1970, concerning our comments on Public Notice NCECO-0 70-05-4, dated August 19, 1970, pertaining to an application for a permit for a 375 KV aerial transmission line across the River Raisin at Monroe, Michigan.

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We appreciate your concern for the environment at a crossing such as this and hope you will continue to consider any methods that can be utilized to help reduce the intrusive effects of these crossings.

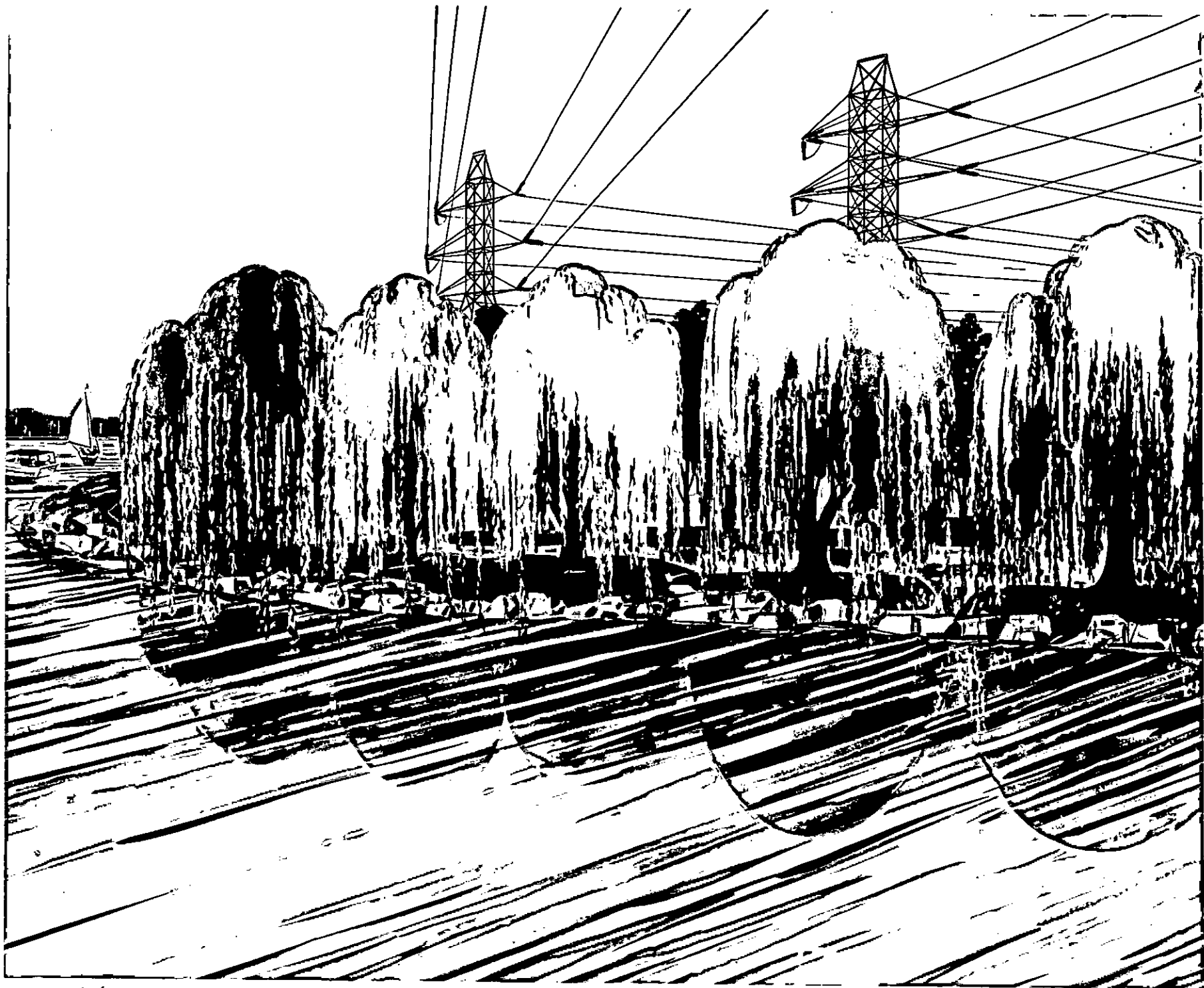
Sincerely yours,

ROMAN H. KOENINGS  
Regional Director

By:

*Robert H. Myers*  
Robert H. Myers  
Acting

RECORDED RIGHT OF WAY NO 241179



Black & White 1979





**DEPARTMENT OF THE ARMY  
DETROIT DISTRICT, CORPS OF ENGINEERS**  
P.O. BOX 1027  
DETROIT, MICHIGAN 48231

IN REPLY REFER TO  
NCECO-S

IMPORTANT

THIS COMPLETION REPORT MUST BE MAILED TO THE DISTRICT ENGINEER IMMEDIATELY UPON COMPLETION OR SUSPENSION OF WORK COVERED BY THE PERMIT TO INSURE AN ACCURATE GOVERNMENT RECORD OF DATA AFFECTING NAVIGATION.

Place Detroit, Michigan  
Date August 25, 1971  
Re: NCECO-0 70-05-4

District Engineer  
U. S. Army Engineer District, Detroit  
P. O. Box 1027  
Detroit, Michigan 48231

Dear Sir:

You are hereby notified that work under Department of the Army Army Permit No. 70-05-4, issued to The Detroit Edison Company for placing aerial transmission line across River Raisin, Monroe, Michigan was  completed in accordance with the permit ~~on~~ about July 15, 1971;  completed except as noted in remarks;  discontinued, see remarks.

REMARKS: Construction is complete but restoration planting and landscaping is dependent on favorable weather and the season.

Name of Contractor L. E. Meyers Construction Company

(Signature) W. J. McCarthy, Jr.  
Assistant Vice President and  
Manager of Engineering  
(Title such as owner, agent, etc.)

(See instructions on reverse side)

RECORDED RIGHT OF WAY NO. 20719

The information contained on the front side of this report is needed to insure that Government data affecting navigation are kept current thereby facilitating current and accurate entries on all navigation publications, including charts, prepared and maintained by the Corps of Engineers.

INSTRUCTIONS TO PERMITTEE FOR PREPARATION OF COMPLETION  
REPORTS

1. Report must be completed and returned to the District Office within 10 days after completion of work covered by permit.
2. Where after dredging soundings are made of projects which includes dredging, a copy of the soundings should accompany this report. If the soundings are measured from the water surface and have not been corrected to International Great Lakes Datum plane, the hour and date sounding was made should be noted on sounding reports.

**NOTE:**

Although permits authorizing structures carry an expiration date, REPAIRS that conform to the permit plans are also within the scope of the authorization. Therefore, it is recommended that expired permits not be destroyed, but retained as proof that the work to be repaired has received the Corps of Engineer's approval. Permittee may obtain copies of their permit from this office for a nominal charge:

RECORDED RIGHT OF WAY NO. 2871099

INTERDEPARTMENT CORRESPONDENCE

Generation Engineering Department

August 27, 1971

Memorandum to: Mr. Jim Wetzel  
226 General Offices

Subject: Aerial Electric Cable Crossing of the River Raisin  
at Monroe Power Plant

Attached are the documents covering a U.S. Corps of Engineers permit for the cable crossing. Please forward those necessary for central files.

*Robert A. Briggs*  
Robert A. Briggs  
Civil Engineer

RAB:pb

RECORDS CENTER	
RECEIVED	OCT 7 '71
TICKLER MADE CLASSIFIED	

RECORDED RIGHT OF WAY NO 27179