

File #CZ1:C5E

ME #85573

ATTACHMENT #4

PENNSYLVANIA COASTAL ZONE MANAGEMENT PROGRAM

EAST AVENUE BOAT LAUNCH RAMP

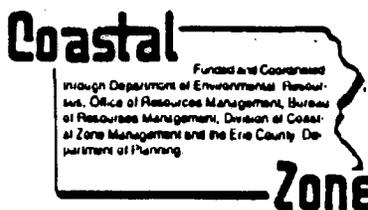
REHABILITATION PROJECT

FINAL REPORT

CITY OF ERIE
ERIE COUNTY, PENNSYLVANIA

Prepared by:

The Erie County Department of Planning
September 30, 1987



This project was financed in part through a Federal Coastal Zone Management Grant from the Pennsylvania Department of Environmental Resources with funds provided by the National Oceanic and Atmospheric Administration.

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EAST AVENUE BOAT LAUNCH RAMP
" REHABILITATION PROJECT,
CITY OF ERIE,
ERIE COUNTY, PENNSYLVANIA /

FINAL REPORT
SEPTEMBER 30, 1987

The preparation of this report was funded and coordinated through the Pennsylvania Department of Environmental Resources, Office of Resources Management, Bureau of Resources Management, Division of Coastal Zone Management and the Erie County Department of Planning.

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1. PROJECT LOCATION

The East Avenue Boat Launch Ramp Facility is located on the lakefront at the foot of East Avenue in the northeast section of the City of Erie (see Project Location Map). The site on which the facility is located is approximately one (1) acre in size and is presently under the ownership of the Erie-Western Pennsylvania Port Authority. The site itself is part of a larger 52+ acre parcel which is primarily a water lot extending out into Lake Erie. It is bounded by Lake Erie on the north; the Dunn Boulevard right-of-way on the east; the Frank Jarecki property on the south; and the Erie Coke Corporation property on the west (see Site Map). The site is essentially level and open with wooded areas to the west and south and a small stream to the east. The areas surrounding the site are primarily made up of residential and heavy industrial uses. The Erie Coke Corporation is located on lands just west of the site and one of the City of Erie's largest industrial employers, the Hammermill Paper Company, is located about a half mile east of the boat ramp facility. It should be noted that this site has been identified as a Geographic Area of Particular Concern within the Lake Erie Coastal Zone as included in the State's adopted Coastal Zone Management Program.

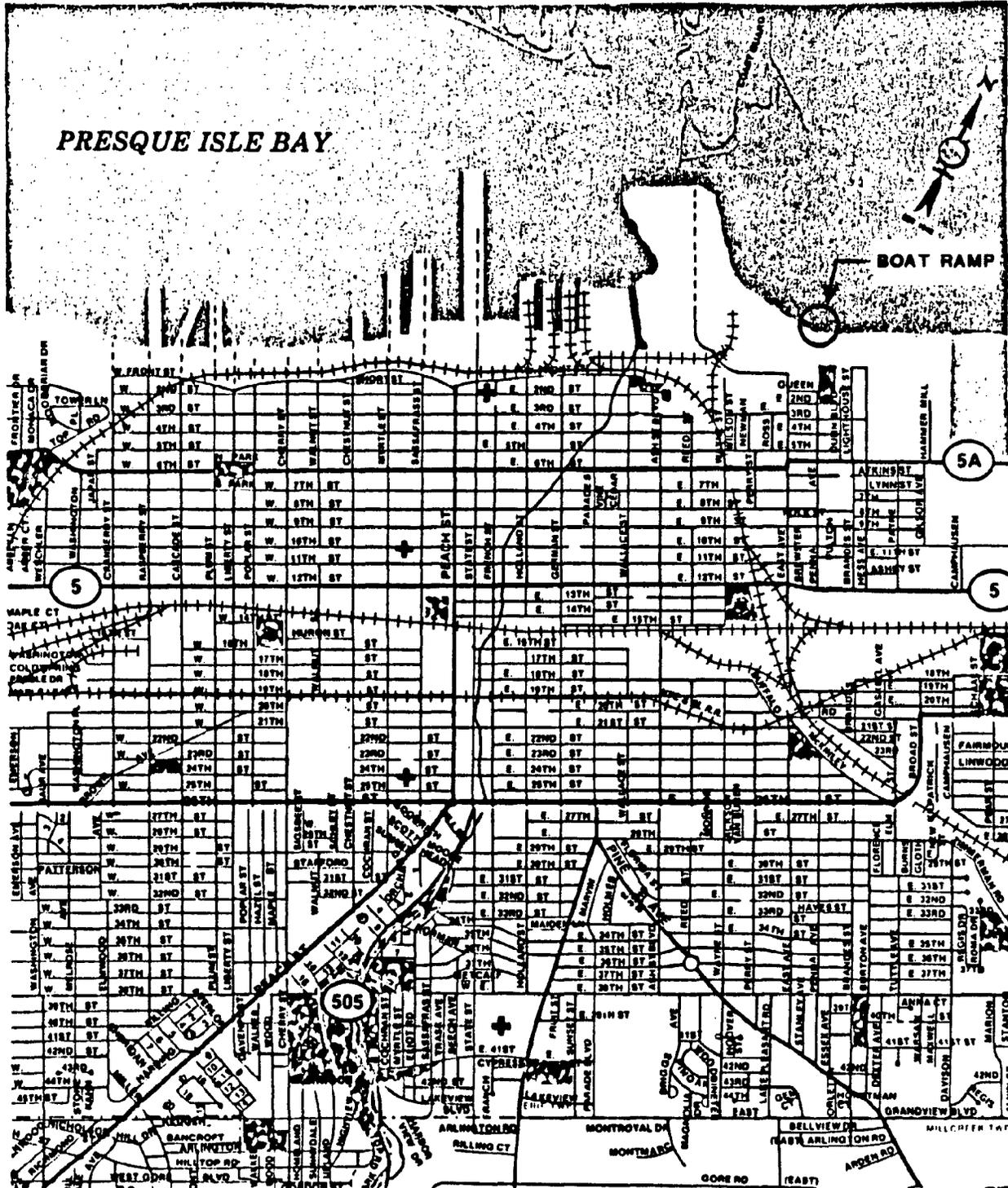
2. BACKGROUND OF THE PROJECT

The East Avenue Boat Ramp is a popular and well-positioned launching area which provides boaters with access to various recreational activities on Lake Erie and Presque Isle Bay. The facility is open to the general public and no fees are charged for use of the ramp. The Erie-Western Pennsylvania Port Authority originally constructed the facility in 1975. Specific activities included:

1. Construction of access road from the foot of East Avenue to the lakefront.
2. Construction of gravel parking area.
3. Construction of rubble mound groin to protect the boats being launched from wind-induced wave action. The groin was constructed over a three (3) to four (4) year period as concrete became available from demolition projects throughout the City.
4. Construction of boat ramp.
5. Installation of courtesy docks.

Over the last twelve (12) years, the Port Authority has continued to make improvements to the boat launch facility when necessary. When CZM announced that their program would provide grant funds for construction projects in FY 1985, the City of Erie and the Port Authority decided to apply for CZM funds in order to undertake extensive renovations at the facility.

EAST AVENUE BOAT LAUNCH RAMP REHABILITATION PROJECT
PROJECT LOCATION MAP



LAKE ERIE

628.25'

ERIE - WESTERN PA
PORT AUTHORITY

WEST LINE OF DUNN BLVD

ERIE COKE CORPORATION

ACCESS RD

FRANK JARECKI

EAST 1st. ST.

MON. 10' West
of E

QUEEN ST.

EAST AVE.

EAST 2nd. ST.

NOTE: Grid coordinates of E EAST AVE.
And E EAST 1st. ST.
= 0.00 N, 0.00 E



3. SCOPE OF WORK

The construction activities associated with the East Avenue Boat Launch Ramp Rehabilitation Project were completed during 1986 and 1987 with funds provided by the Department of Environmental Resources (CZM), the Department of Community Affairs (Land and Water Conservation Fund), and the Erie-Western Pennsylvania Port Authority. The total project cost amounted to \$91,350. DCA and Port Authority funds were utilized for the following activities:

1. Replacement of the boat launch ramp.
2. Repaving the approach to the ramp.
3. Replacement of the floating courtesy docks.

The above work was completed by Richter Excavating and Trucking, Inc. in the Fall of 1986.

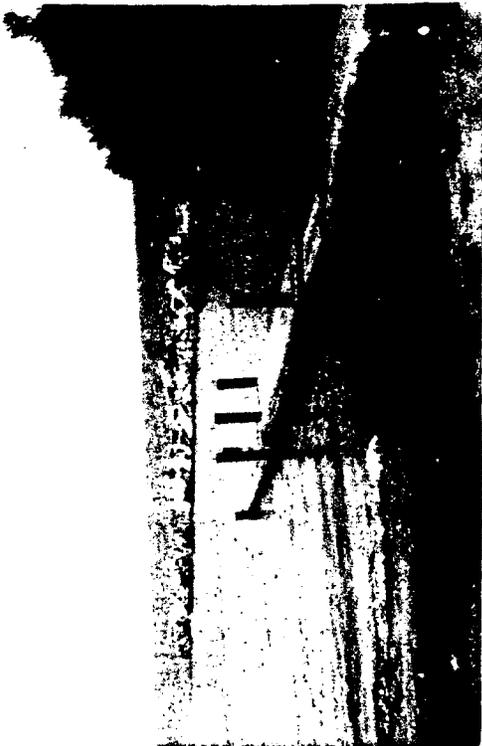
CZM funds(\$50,000) were utilized to construct a groin extension which was necessary to provide additional protection to the boat ramp facility from Lake Erie wave action. The construction activities associated with the extension of the groin were completed in the following two phases:

- PHASE I - Extend the end of the rubble mound groin about 80 feet to the west. The groin extension stands about eight (8) feet high with a top width of ten (10) feet and a bottom width of about thirty four (34) feet. Construction required the placement of about 450 cubic yards of concrete rubble and armorstone below the Ordinary High Water (OHW) Elevation 572.8 IGLD, covering about 3,000 square feet of lake bottom. Construction activities were completed in September 1986 by the Felix Construction Company, a subcontractor of the Whipple-Allen Construction Company.
- PHASE II - After allowing the groin extension to settle into the silt at the lake bottom for about a year, the City of Erie added approximately two (2) feet of concrete rubble to the entire length of the groin in order to bring it to a uniform height. Number 4 stone was placed on top of the concrete rubble, worked into the voids, and graded into a walkway. This provides safer public access for the bucket fishermen that fish from the groin structure. Construction activities were completed in September 1987 by Richter Excavating and Trucking, Inc.

4. PRE-CONSTRUCTION PHOTOGRAPHS

East Avenue Boat Launch Ramp Rehabilitation Project

September 1986



1. View of the west side of the existing groin structure from the boat launch area.



2. View of the west side of the existing groin structure from the floating dock.



3. Eastward view of the existing groin structure with the Hammermill Paper Company in the background.



4. View of the east side of the existing groin structure with Presque Isle State Park in the background.



6. Southward view toward the neck of the existing groin structure.



8. Southward view of the original boat ramp, floating courtesy docks and parking area.



5. Northward view toward the end of the existing groin structure.



7. View of the original boat ramp and floating courtesy docks from the parking area.

5. CONSTRUCTION PHOTOGRAPHS

EAST AVENUE BOAT LAUNCH RAMP REHABILITATION PROJECT

PHASE I - SEPTEMBER 1986

PHASE II - SEPTEMBER 1987



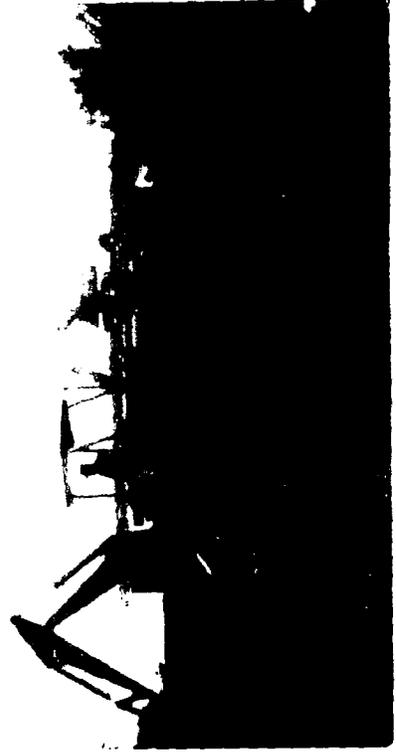
9. Felix Construction Company working on the groin extension.



10. Felix Construction Company working on the groin extension.



11. Temporary cofferdam constructed by Richter Excavating and Trucking, Inc. during construction of the new boat ramp.



12. Workers nearing completion of the boat ramp (foreground) and groin extension (background).

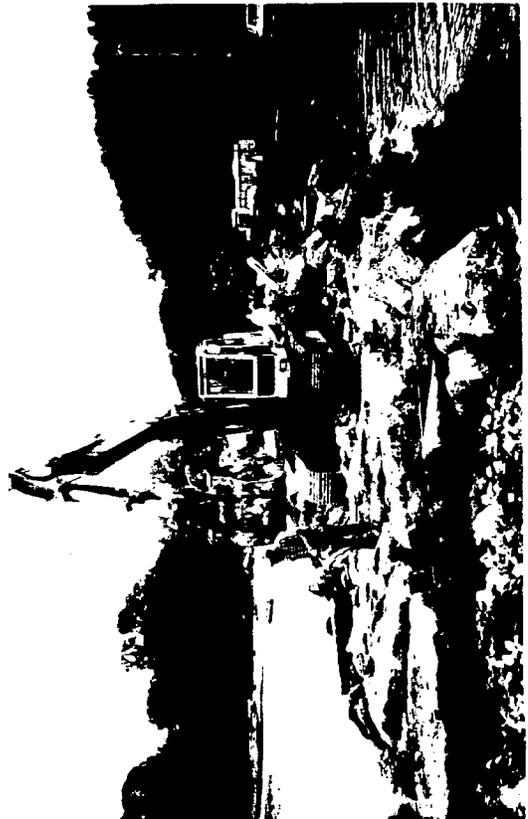


13. Richter Excavating and Trucking, Inc. hauls in additional concrete for the groin structure.



14. Placement of the additional concrete on the groin in order to increase the structure's height by 2 feet.

PHASE II
SEPT. 1987



15. Workers fill the voids between the concrete slabs.



16. Placement of No. 4 stone on top of the groin structure in order to provide safer access to shore fishermen.

6. FINAL PROJECT PHOTOGRAPHS

EAST AVENUE BOAT LAUNCH RAMP REHABILITATION PROJECT
SEPTEMBER 1987

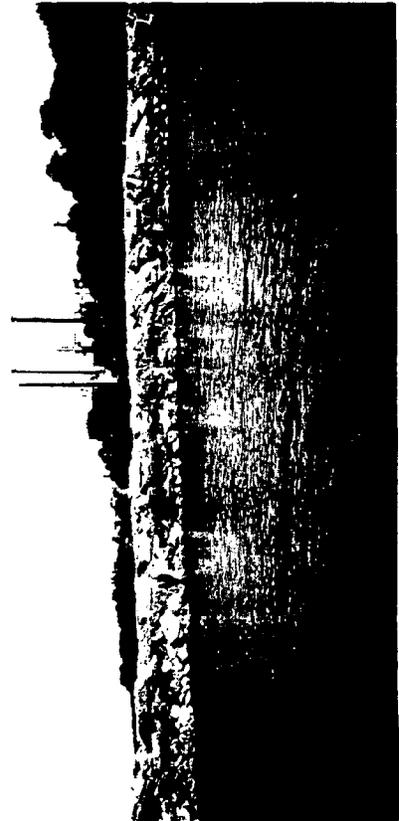


17. View of the west side of the reconstructed groin from the boat launch area.



18. View of the west side of the reconstructed groin from the floating courtesy dock.

SEPT. 1987



19. Eastward view of the reconstructed groin with the Hammermill Paper Company in the background.



20. View of the east side of the reconstructed groin with Presque Isle State Park in the background.



21. Northward view toward the end of the reconstructed groin.



22. Southward view toward the neck of the reconstructed groin.



23. View of rehabilitated boat ramp and new floating courtesy docks.



24. Northward view of the reconstructed groin from the neck of the groin.

SEPT. 1987



25. Final project sign prepared by the City of Erie.



26. The City of Erie decided to make the final project sign two-sided in order to give proper credit to all parties involved in developing the improvements at the East Avenue Boat Launch Ramp.

7. PERMITS

The City of Erie obtained the following permits in conjunction with the East Avenue Boat Launch Ramp Rehabilitation Project:

PHASE I

- 1) Pennsylvania (DER) Bureau of Dams and Waterways Management, Water Obstructions and Encroachment Permit (No. E25-300).
- 2) U.S. Army Corps of Engineers, Department of the Army Permit (No. 86-476-3).

PHASE II

- 3) Pennsylvania (DER) Bureau of Dams and Waterways Management, Amendment to Water Obstructions and Encroachment Permit (No. E25-300A).
- 4) U.S. Army Corps of Engineers, Amendment to Department of the Army Permit (No. 86-476-3).

1. DER PERMIT



*See
copy*

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Post Office Box 2357
Harrisburg, Pennsylvania 17120

MAY 22 1985

717-787-6826

In reply refer to
RM-DWM
E25-300

The Honorable Louis J. Tullio
Mayor
City of Erie
Municipal Building
626 State Street
Erie, PA 16501

Dear Mayor Tullio:

Enclosed in duplicate is your Water Obstructions and Encroachment Permit. You are required to comply with the items checked below.

YOU MUST IMMEDIATELY SIGN BOTH COPIES OF THE PERMIT AND RETURN THE FILE COPY TO THIS OFFICE. The executed copy of the permit to be retained by you will not become effective until both copies are signed by you or your authorized representative and the file copy returned within thirty (30) days to this office.

"Acknowledgement of Appraisal" and "Completion Report". The Acknowledgement of Appraisal form must be returned to this office after it is completed and signed by the contractor, or his engineer, chosen to do the authorized work to indicate he has read and understands the permit conditions. The Completion Report form must be signed by you or your authorized representative indicating that the work has been completed as approved within thirty (30) days of the completion of the approved project.

"Submerged Lands License Agreement". The Agreement and Permit should be retained together in your files. The Comptroller for the Department of Environmental Resources will mail a statement of the annual charges due approximately thirty (30) days prior to the due date as indicated in item 1 of the License Agreement.

Sincerely,

Eugene L. Council, Chief
Division of Waterways and
Storm Water Management
Bureau of Dams and Waterway Management

Enclosures

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
WATER OBSTRUCTION AND ENCROACHMENT PERMIT

The Department of Environmental Resources "Department", established by the Act of December 3, 1970, P.L. 834 (71 P.S. §§510-1 *et seq.*) and empowered to exercise certain powers and perform certain duties under and by virtue of the Act of November 26, 1978, P.L. 1375, as amended by the Act of October 23, 1979, P.L. 204, (32 P.S. §§693.1 *et seq.*) known as the "Dam Safety and Encroachments Act"; Act of October 4, 1978, P.L. 851, (32 P.S. §§679.101 *et seq.*) known as the "Flood Plain Management Act"; Act of June 22, 1937, P.L. 1987, (35 P.S. §§691.1 *et seq.*), known as the "Clean Streams Law"; and the Administrative Code, Act of April 9, 1929, P.L. 177, *as amended*, which empowers the Department to exercise certain powers and perform certain duties by law vested in and imposed upon the Water Supply Commission of Pennsylvania and the Water and Power Resources Board, hereby issues this permit to:

THE CITY OF ERIE

Municipal Building, 626 State Street, Erie, PA 16501

giving its consent to reconstruct and maintain an existing boat launching
ramp, extend and maintain an existing groin, and construct and maintain
floating docks along the shoreline of Lake Erie at the foot of East Avenue
in the City of Erie, Erie County.

This permit is issued in response to an application filed with the Department of Environmental Resources on the 6th day of March A.D. 19 86, and with the understanding that the work shall be performed in accordance with the maps, plans, profiles and specifications filed with and made part of the application N/A. Subject however, to the provisions of the Dam Safety and Encroachments Act, the Flood Plain Management Act, the Clean Streams Law, the Administrative Code, the rules and regulations promulgated thereunder and the following conditions and restrictions;

1. This permit shall not become effective until and unless the permittee shall return the *file copy* signed by the permittee or an authorized agent of the permittee to the Department within thirty (30) days from the date of the permit; such signature shall signify and indicate that the permittee accepts and agrees to comply with the terms and conditions of the permit. Failure to submit such acceptance will render the permit null and void;

2. The Department, in issuing this permit, has relied on the information and data which the permittee has provided in connection with his permit application. If, subsequent to the issuance of this permit, such information and data prove to be false, incomplete or inaccurate, this permit may be modified, suspended, or revoked, in whole or in part, and the Department may, in addition, institute appropriate legal proceedings;

3. This permit does not give any property rights, either in real estate or material, nor any exclusive privileges, nor shall it be construed to grant or confer any right, title, easement, or interest, in, to, or over any land belonging to the Commonwealth of Pennsylvania; neither does it authorize any injury to private property or invasion of private rights, nor any infringement of Federal, State, or local laws or regulation; nor does it obviate the necessity of obtaining Federal assent when necessary;

4. The work shall at all times be subject to supervision and inspection by representatives of the Department, and no changes in the maps, plans, profiles, and specification as approved shall be made except with the written consent of the Department. The Department, however, reserves the right to require such changes or modifications in the maps, plans, profiles, and specifications as may be considered necessary. The Department further reserves the right to suspend or revoke this permit if in its opinion the best interest of the Commonwealth will be subserved thereby;

5. This permit authorizes the construction, operation, maintenance and normal repair of the permitted structures conducted within the original specifications for the water obstruction or encroachment, and in accordance with the regulations of the Department and terms and conditions of this permit. Any repairs or maintenance involving modifications of the water obstruction or encroachment from its original specifications, and any repairs or reconstruction involving a substantial portion of the structure as defined by regulations of the Department shall require the prior written approval and permit of the Department;

6. All construction debris, excavated material, brush, rocks, and refuse incidental to this work shall be removed entirely from the stream channel and placed either on shore above the influence of flood waters, or at such dumping ground as may be approved by the Department;

7. There shall be no unreasonable interference with the free discharge of the river or stream nor with navigation during construction;

8. If future operations by the Commonwealth of Pennsylvania require modification of the structure or work, or if, in the opinion of the Department of Environmental Resources, the structure or work shall cause unreasonable obstruction to the free passage of floodwaters or navigation, the permittee shall, upon due notice remove or alter the structural work or obstructions caused thereby, without expense to the Commonwealth of Pennsylvania, so as to increase the flood carrying capacity of the channel or render navigation reasonably free, easy, and unobstructed, in such manner as the Department may require; and if, upon the expiration or revocation of this permit, the work shall not be completed, the permittee, at his own expense and to such extent and in such time and manner as the Department may require, shall remove all or any portion of the incompleated work and restore the watercourse to its former condition. No claim shall be made against the Commonwealth of Pennsylvania on account of any such removal or alteration;

9. The permittee shall notify the Department of Environmental Resources when this work is commenced and at least two weeks before the probable time of completion;

10. Within thirty (30) days after the completion of the work authorized in this permit, the permittee shall file with the Department of Environmental Resources, Harrisburg, Pennsylvania, a statement certifying that the work has been performed in accordance with this permit and the approved maps, plans, profiles, and specifications;

11. If this work is not completed on or before the 31st day of December A.D. 19 88, this permit, if not previously revoked or specifically extended, shall cease and be null and void;

12. The Engineer and the Contractor for the work authorized by this permit shall be apprised of all of the provisions and conditions and shall signify their acknowledgement of being so apprised

on the form herein attached. Copy of this signed form, together with copy of the permit shall be available for inspection at the project site at all times. Copy of the acknowledgement shall also be forwarded to the office issuing the permit. Failure to have copies of the permit and acknowledgement available for inspection at the project site shall be considered sufficient cause for issuance of a cease and desist order by the authorized Commonwealth personnel;

13. The permittee shall maintain the structure or work authorized herein in good condition and in accordance with the approved plans and drawings;

14. This permit may not be transferred without prior written approval from the Department, such approval being considered upon receipt of a properly executed "Application for Transfer of Permit" form;

15. If and when the permittee desires to abandon the activity authorized herein, unless such abandonment is part of a transfer procedure pursuant to Condition 14, he must remove the structure or work authorized and restore the area to a condition satisfactory to and approved by the Department.

SPECIAL CONDITIONS

- A. Prior to commencement and upon completion of the work authorized by this permit, the permittee shall notify the Pennsylvania Fish Commission's Northwest Regional Office, P. O. Box 349, 1281 Otter Street, Franklin, PA 16323, Telephone (814) 437-5774. The project site shall at all times be available for inspection by authorized officers and employees of the Pennsylvania Fish Commission.
- B. Prior to commencement and upon completion of the work authorized by this permit, the permittee shall notify the Erie County Conservation District, LeRoy Gross, RD 5, Route 19, Waterford, PA 16441, Telephone (814) 796-4203. The project site shall at all times be available for inspection by authorized officers and employees of the County Conservation District.
- C. If the use of explosives in any waterways is required, the permittee shall secure the prior written permit from the Pennsylvania Fish Commission, pursuant to the Pennsylvania Fish and Boat Code, Act 1980-175 Title 30 Pennsylvania Consolidated Statutes, Section 2906. Requests should be directed to the Pennsylvania Fish Commission, Bureau of Administrative Services, P. O. Box 1673, Harrisburg, PA 17120, Telephone (717) 657-4522.
- D. The Erosion and Sedimentation Control Plan must be properly implemented and closely monitored to minimize erosion and prevent excessive sedimentation into the receiving stream channel.
- E. This permit is contingent upon the approval/permit from the District Engineer, Buffalo District, U.S. Army Corps of Engineers, Regulatory Branch, 1776 Niagara Street, Buffalo, NY 14207, under Section 10 of the Rivers and Harbor Act or Section 404 of the Clean Water Act of 1977. The District Engineer has been notified that the contact person for this project is: Dan Borgia, Acting Director, Parks and Public Property.
- F. Care should be taken not to lose construction materials into the stream waters. No waste construction materials shall be disposed of into the waters of the Commonwealth (i.e., concrete, gravel, washings, etc.).

Permittee hereby accepts and agrees to comply with the terms and conditions of this permit.

David J. Lullis
Permittee (signature)

June 4, 1986
Date

Date MAY 22 1986

DEPARTMENT OF ENVIRONMENTAL RESOURCES

Attest *Louis H. Barbour*

By: *Eugene E. Council*
Eugene E. Council, Chief
Division of Waterways and
Storm Water Management

2. CORPS PERMIT



DEPARTMENT OF THE ARMY
BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207-3199

REPLY TO
ATTENTION OF

NCBCO-S

11 June 1986

SUBJECT: Application for Department of the Army Permit No. 86-476-3
Dated 27 February 1986, Received 3 March 1986, to Perform Work in
Lake Erie, Erie County, Pennsylvania

Mr. Daniel F. Borgia
Project Coordinator
Municipal Building, Room 404
Erie, PA 16501

JUN 13 1986

Gentlemen:

Enclosed is the validated Department of the Army permit which you have accepted the terms and conditions thereof.

Please note condition (n) of the permit which requires that our office be informed of the commencement and completion of the authorized work. Forms for this purpose are enclosed. Also enclosed is a reduced first page of the permit describing the proposed work which must be conspicuously displayed at the site of work.

Revised plans must be submitted to our office if material changes in the location or plans of the work are necessary because of unforeseen or altered conditions, or otherwise. These revised plans must receive the approval required by law before construction is started.

Please acknowledge receipt of the permit.

My point of contact pertaining to this matter is Mrs. Diane Clements of my Regulatory Branch who can be contacted by calling commercial number 716-876-5454, extension 2328, or by writing to:

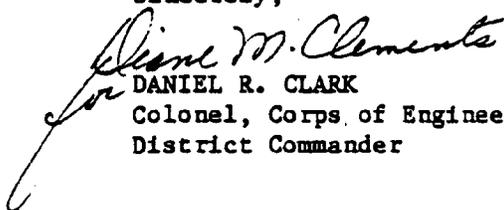
District Commander
U.S. Army Engineer District, Buffalo
1776 Niagara Street
Buffalo, NY 14207-3199
ATTN: Mrs. Diane Clements

NCBCO-S

SUBJECT: Application for Department of the Army Permit No. 86-476-3
Dated 27 February 1986, Received 3 March 1986, to Perform Work in
Lake Erie, Erie County, Pennsylvania

Buffalo District - Leadership in Engineering.

Sincerely,


DANIEL R. CLARK
Colonel, Corps of Engineers
District Commander

5 Enclosures

1. Permit
2. Form 8
3. Form 9
4. Reduced Permit
Document
5. C.G. Notice

CF: USF&WS (State College, PA)
PA Dept of ENV Res (Meadville, PA)
PA Dept of Env Res (Harrisburg, PA - Lawrence Toth)
EPA (Philadelphia, PA)
NOAA
USCGA (VA)



DEPARTMENT OF THE ARMY
PERMIT

NCBCO-S

BUFFALO DISTRICT
CORPS OF ENGINEERS
BUFFALO, NY 14207

PERMIT NO. 86-476-3

NAME OF APPLICANT THE CITY OF ERIE

11 June 1986

EFFECTIVE DATE

EXPIRATION DATE

Referring to written request dated 27 FEBRUARY 1986 for a permit to:

(X) Perform work in or affecting navigable waters of the United States, upon the recommendation of the Chief of Engineers, pursuant to Section 10 of the River and Harbor Act of March 3, 1899 (33 U.S.C. 403);

(X) Discharge dredged or fill material into waters of the United States upon the issuance of a permit from the Secretary of the Army acting through the Chief of Engineers pursuant to Section 404 of the Clean Water Act (Pub. L. 95-217, 33 U.S.C. 1344):

THE CITY OF ERIE, MUNICIPAL BUILDING, 626 STATE STREET, ERIE, PA 16501 IS HEREBY AUTHORIZED BY THE SECRETARY OF THE ARMY TO: PLACE FILL TO EXTEND AN EXISTING RUBBLEMOUND GROIN; INSTALL THREE MOORING PILES; TO ANNUALLY INSTALL TWO FLOATING DOCKS; TO CONSTRUCT A TEMPORARY COFFERDAM AROUND THE WORKSITE IF NECESSARY; AND TO RECONSTRUCT AND EXTEND AN EXISTING CONCRETE BOAT RAMP IN LAKE ERIE AT THE EAST AVENUE BOAT LAUNCHING FACILITY, CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA, IN ACCORDANCE WITH THE GENERAL AND SPECIAL CONDITIONS, AND THE PLANS AND DRAWINGS AND ANY ADDITIONAL SPECIAL CONDITIONS ATTACHED HERETO WHICH ARE INCORPORATED IN AND MADE A PART OF THIS PERMIT.

Existing piers, groins and ramp authorized by DA permit 1-476-10.

Proposed Groin Extension details on sheet 7.

END OF EXISTING GROIN, NOV. 1985

ADJUST NEW INSURE THROAT TO BE 50' AT END OF EXISTING GROIN, NOV. 1985

GROIN TO OPENING WATER SURFACE

GROIN EXTENSION

EXISTING GROIN

628.25'

POF

EXISTING Scale: 1" = 30'

PROPERTY LINE

EDGE OF WATER

EXISTING GROIN

RUBBLE STONE PIER

EXISTING PIER

EXISTING PIER

TOP OF BANK

EDGE OF WATER

EXISTING RAMP

RE-ADJ. EXIST. CONC.

EXISTING PRECAST CONC.

SIGN

EXISTING PAVING

Elevations are in feet above mean water level at Father Point, Quebec and soundings are in feet and are referred to Low Water Datum elevation 568.6 feet above mean water level at Father Point, Quebec, International Great Lakes Datum, 1985.

City of Erie, PA
86-476-3
Sheet 3 of 8

OWNER SET 5" IN LOOSE

36" STORM

3. DER PERMIT AMENDMENT



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Post Office Box 2357
Harrisburg, Pennsylvania 17120

August 19, 1987

717-787-6826

Bureau of Dams and Waterway Management

Richard L. Morris, P.E.
Acting City Engineer
City of Erie
Municipal Building
626 State Street
Erie, PA 16501

Re: DER File No. E 25-300A

Dear Mr. Morris:

This is in reference to your letter of June 10, 1987 requesting an amendment to Permit No. E 25-300 to reconstruct and maintain an existing boat launching ramp, extend and maintain an existing groin, and construct and maintain floating docks along the shoreline of Lake Erie at the end of East Avenue in the City of Erie, Erie County.

Please be advised that favorable consideration has been given to this request and Permit No. E 25-300 is hereby amended to modify and maintain the existing groin by adding approximately 2 feet of concrete rubble over the entire length of the structure.

All conditions specified in this original permit remain in effect and are to be complied with as part of this amendment, including the following:

1. The Pennsylvania Fish Commission's Northwest Regional Office, P.O. Box 349, 1281 Otter St., Franklin, PA 16323, Telephone 814-437-5774, shall be contacted and advised as to when the work will be done.
2. Proper erosion and sedimentation control measures shall be instituted during and after construction, and approval of the adequacy of these measures shall be obtained from the Erie County Conservation District at R.D. #5, Route 19, Waterford, PA 16441, Telephone 814-796-4203.
3. Act 14 of the Pennsylvania Legislature requires that written notice be given to the municipality(ies) and county(ies) in which the activities are proposed at least 30 days prior to starting construction. The written notice should be sent to each municipality and county by certified mail, return receipt requested. A copy of this notice along with the returned receipt should be kept on file along with this letter.

Richard L. Morris, P.E.

- 2 -

August 19, 1987

Files shall be properly maintained and available for inspection by authorized employees of the Pennsylvania Department of Environmental Resources.

Sincerely,

A handwritten signature in cursive script that reads "Eugene E. Council".

Eugene E. Council, Chief
Division of Waterways and
Storm Water Management
Bureau of Dams and Waterway Management

4. CORPS PERMIT AMENDMENT



DEPARTMENT OF THE ARMY
BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207-3199

21 May 1987

REPLY TO
ATTENTION OF

Regulatory Branch

SUBJECT: Modification of Department of the Army Permit
No. 86-476-3, Issued to The City of Erie, Pennsylvania; Request
for Modifications Received May 12, 1987

Dan Burga
Project Coordinator
City of Erie
Room 404, Municipal Building
Erie, Pennsylvania 16501

Dear Mr. Burga:

This pertains to a request for modification of your
Department of the Army permit No. 86-476-3 to add an additional
two feet in height to a concrete rubble mound groin in Lake
Erie, City of Erie, Erie County, Pennsylvania..

I have reviewed the requested modification and find that
the changes are minor in nature and would not be contrary to the
overall public interest. Additionally, there would be no
significant adverse effects on the aquatic ecosystem from the
proposed modification. Therefore, your Department of the Army
permit No. 86-476-3 is hereby modified in accordance with the
attached drawings.

The following special conditions are hereby added to the
permit:

(18) That this modification allows you to increase the
height of the groin but you shall not extend the groin any
further into the waterway.

(19) That the top elevation of the groin shall not exceed
577.0 IGLD, 1955.

All other terms and conditions of the authorization remain
in full force and effect.

Please review the conditions, sign the extra copy of this
letter in the space provided to indicate your acceptance and
return the signed copy to this office.

-2-

Regulatory Branch

SUBJECT: Modification of Department of the Army Permit
No. 86-476-3, Issued to The City of Erie, Pennsylvania; Request
for Modifications Received May 12, 1987

Questions pertaining to this matter should be directed to
Mr. Arthur Marks who can be contacted at 716-876-5454,
extension 2321, or by writing to the above address.

The Buffalo District -- Leadership in Engineering.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

for Frank [Signature]
Daniel R. Clark
Colonel, U.S. Army
Commanding

Enclosures

PERMITTEE HEREBY AGREES TO COMPLY WITH THE TERMS AND CONDITIONS
OF THIS MODIFICATION.

James J. Sullivan
Permittee

5-27-87
Date

8. AS-BUILT DRAWINGS
(PLEASE SEE ATTACHMENT A)

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