

COMMODORE BARRY BRIDGE

DELAWARE RIVER ACCESS/PHASE II-B

FINAL REPORT

AUGUST, 1989

CITY OF CHESTER, PA

PA COASTAL ZONE MANAGEMENT PROGRAM

Coastal

Funded and Coordinated through
Dept. of Environmental Resources
Office of Resources Management
Bur. of Water Resources Management
Div. of Coastal Zone Management

ZONE

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

Commodore Barry Bridge Delaware River Access/Phase II-B
Final Report to
Department of Environmental Resources
Division of Coastal Zone Management
Contract # CZ1: C7C
August 1989
Prepared by Division of City Planning
City of Chester, PA

1. Project Location

This boating and fishing facility is located in the County of Delaware, City of Chester abutting the Commodore Barry Bridge (US 322) and fronting on the Delaware River. The site is four acres in size and is bounded by Delaware Avenue on the north; the Barry Bridge on the east; the Delaware River on the south and the bed of Reaney Street on the west. The site is essentially level although sloping slightly toward the river. It is protected by an 8' high fence on the north and east sides and is bounded on the west by a small stream with dense vegetation including numerous trees. The surrounding neighborhood as well as the area of the City east and west is a mix of heavy and light industry, commercial and residential uses. The area in general is often described as an industrial waterfront corridor. This site is under a 25 year lease by the City from the Delaware River Port Authority which is a bi-state organization (Pennsylvania and New Jersey).

2. Background of the Project

This site has been identified as a Geographic Area of Particular Concern within the Delaware Estuary Coastal Zone as included in the state's adopted Coastal Zone Management Program in 1981 and the plans and specifications were completed that year by the PA Fish Commission. Due to construction funding limitations this project has been broken down in construction phases.

Phase I was funded in 1982 by the PA Department of Community Affairs through the Coastal Energy Impact Program and the Land and Water Conservation Fund in the total amount of \$262,000. Construction included: 1) the paving of an access road (Delaware Avenue), 2) a 400' driveway from Delaware Avenue to the river, 3) a 76 space parking lot for cars and boat trailers, 4) three 40' tall light standards, 5) entrance fencing and gate, 6) storm water drainage, 7) a pair of 100' long pre-cast concrete boat ramps separated by a 65' long permanent pier from which a combination pedestrian ramp and floating dock extends, 8) shoreline rip-rap, 9) concrete benches and 10) wooden fence posts. Construction was begun in 1983 and completed in 1984.

Phase II-A construction began in March in 1987 and was completed in June 1987 at a cost of \$160,000. Project funding was provided by DER (\$50,000), DCA (\$50,000), and the City (\$60,000). Construction consisted of: 1) fishing platform area created by the installation of new sheet pile in an area which was partially bulkheaded which was then backfilled and asphalt paved, 2) five concrete benches near the river's edge within the fishing platform area, 3)

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a pipe railing around the fishing platform area, 4) the asphalt paving of the existing Phase I parking lot (previously crushed stone), 5) line painting of the 76 space parking lot, 6) planting of 15 trees and 7) installation of permanent sign.

3. Scope of Work Under Present Contract

Phase II-B construction began in September 1988 and was completed in June 1989 at a cost of \$253,000. Project funding was provided by DER (\$82,000), DCA (\$136,000), and the City (\$35,000). Construction consisted of: 1) removal of existing rip-rap to permit construction of 2) permanent pier which is a combination of a sheet pile pier with a concrete cap and an open pile pier with an aluminum deck; 3) installation of a 32 foot long aluminum floating dock, gangway, and two guide pilings; 4) installation of boat ramps on each side of the permanent pier consisting of pre-cast concrete planks extending 100 feet from the top of the ramp; 5) asphalt paving of car and boat trailer turnaround area at top of ramps; and 6) installation of storm sewer and related asphalt paving within driveway area.

4. Photos

(See attached)

5. Permits- Attached

6. Drawings - Not included



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Post Office Box 2357
Harrisburg, Pennsylvania 17120
December 3, 1987

717-787-6826

Bureau of Dams and Waterway Management

Mr. Stephen A. Merriken
Deputy Director of City Planning
City of Chester
401 Avenue of the States
Chester, PA 19013

Re: DER File No. E 23-51

Dear Mr. Merriken:

This is in reference to your letters and plans dated August 5, 1987 and October 28, 1987 requesting that Permit No. E 23-51 be reissued, amended and the time limit be extended to allow the City of Chester to construct and maintain new boat ramps and a permanent pier abutting the existing ramps along the right bank of the Delaware River at a point immediately downstream of U.S. Route 322 at the Commodore Barry Bridge Recreation Area in the City of Chester, Delaware County.

Please be advised that favorable consideration has been given to this request and Permit No. E 23-51 is hereby reissued, amended and the time limit is extended to December 31, 1990.

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

1. The Pennsylvania Fish Commission's Southeast Regional Office, Box 8, Elm, PA 17521, Telephone 717-626-0228, shall be contacted and advised as to when the work will be done.
2. Proper erosion and sedimentation control measures as approved by the Delaware County Conservation District at Fair Acres Center, Building 5, Middletown Road, Lima, PA 19037, Telephone 215-891-5962 shall be instituted during and after construction.
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.

Mr. Stephen A. Merriken

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December 3, 1987

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

Sincerely,



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

cc: Southeast Regional Office, Fish Commission
County Conservation District



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
PHILADELPHIA DISTRICT CORPS OF ENGINEERS
CUSTOM HOUSE—2 D & CHESTNUT STREETS
PHILADELPHIA, PENNSYLVANIA 19106-2991

30 APR 1988

Regulatory Branch

SUBJECT: CENAP-OP-R-88-0131-17

Mr. Stephen A. Merriken
Deputy Director of City Planning
401 Avenue of the States
Chester, Pennsylvania 19013

Dear Mr. Merriken:

Enclosed is a Department of the Army permit (Enclosure 1) authorizing you to install 3 boat ramps, a pier, a floating dock, access ramp, riprap and dredge in the Delaware River at the Commodore Barry Bridge, City of Chester, Delaware County, Pennsylvania; and a notice of authorization (ENG Form 4336-Enclosure 2) to be conspicuously displayed at the site of work.

Carefully review all the terms and conditions of the Department of the Army permit, paying close attention to special conditions number 15 and 16, and understand them fully. Performing any work not specifically authorized by the permit or failing to comply with its conditions may subject you and/or your contractor to the enforcement provisions of our regulations. If a contractor performs the work for you, both you and the contractor are responsible for assuring the work is done in conformance with the conditions and limitations of this permit. Please be sure the person who will do the work has read and understands the conditions of the permit.

This office shall be notified of the commencement and completion of the permitted work. To assist you in meeting this requirement, enclosed is a notification form (Enclosure 3) for you to fill out and return to us as soon as you are aware of when you intend to begin work. Similar notification is required each time any maintenance work is to be done under this permit. If you should have any questions in this regard, please contact this office at 215-597-3626.

CENAP-OP-R-88-0131-17

-2-

If any material changes in the location or plans of the permitted work are found necessary on account of unforeseen or altered conditions or otherwise, revised plans should be submitted promptly to the District Engineer to the end that the revised plans, if found unobjectionable, may receive the approval required by law before operations on the permitted work are commenced.

Sincerely,



H. Ronald Kreh, P.E.
Chief, Operations Division

Enclosures



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
Post Office Box 1467
Harrisburg, Pennsylvania 17120

June 2, 1988

717-783-9500

Bureau of Water Resources Management

RECEIVED JUN 06 1988

Mr. Steven A. Merriken
Deputy Director of City Planning
City of Chester
401 Avenue of the States
Chester, PA 19013

Re: DER File No. RM-WR
CZ7:SP/D 23-51

Dear Mr. Merriken:

The Division of Coastal Zone Management (CZM) has reviewed the U.S. Army Corps of Engineers Public Notice R-88-0131-17 received by this office on March 4, 1988 concerning your proposal to construct and maintain new boat ramps and a permanent pier abutting the existing ramps along the right bank of the Delaware River at the Commodore Barry Bridge Recreation Area in the City of Chester, Delaware County, Pennsylvania.

The Bureau of Dams and Waterway Management has recently informed us that they have amended and reissued an encroachment permit for the aforementioned activity; therefore, this activity is consistent with the Pennsylvania CZM Program.

Sincerely,

E. James Tabor, Chief
Division of Coastal Zone Management



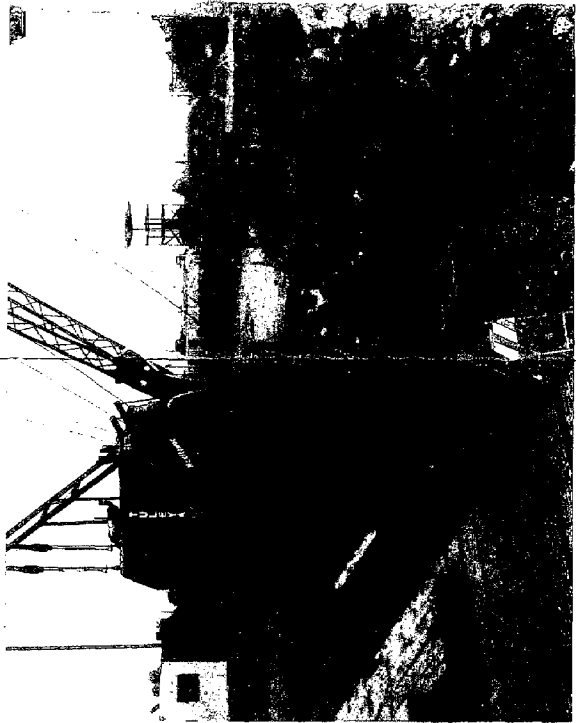
1. RIP-RAP REMOVAL - START



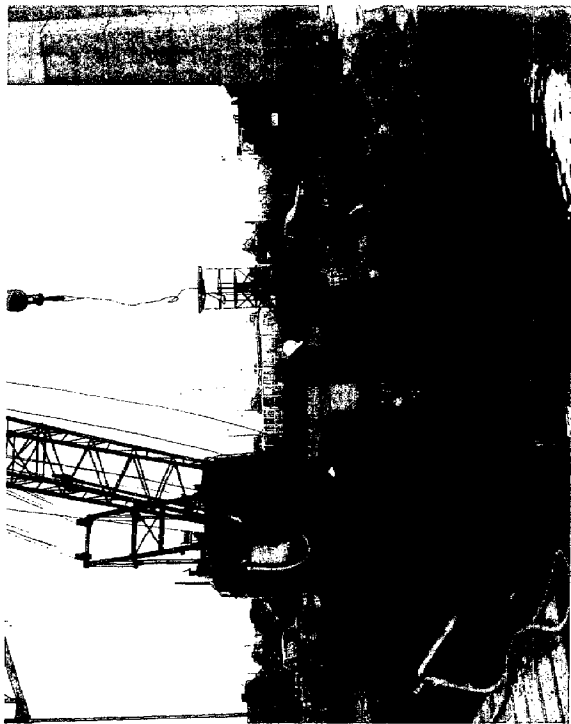
2. RIP RAP REMOVAL - COMPLETION
COMMODORE BARRY BRIDGE DELAWARE RIVER ACCESS
PHASE II
COASTAL ZONE MANAGEMENT PROGRAM
CITY OF CHESTER 1989



3. PERMANENT PIER EXCAVATION



4. PERMANENT PIER - SHEET PILE



5. PERMANENT PIER - SHEET PILE

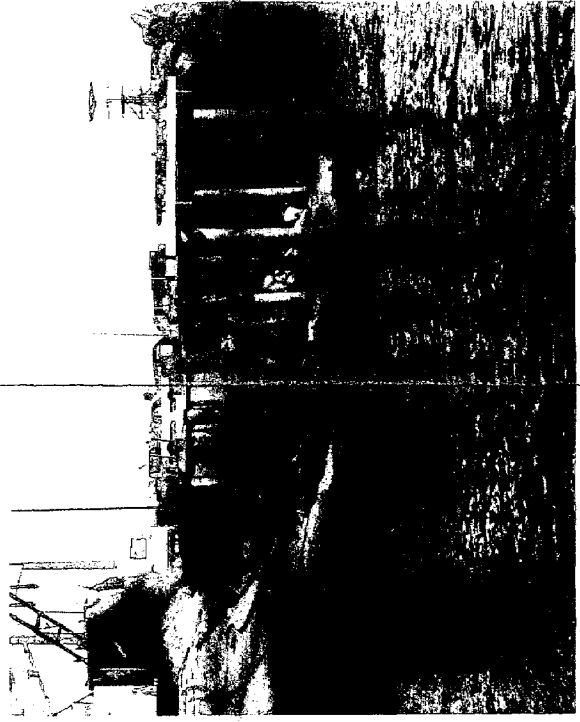


6. PERMANENT PIER - SHEET PILE COMPLETED

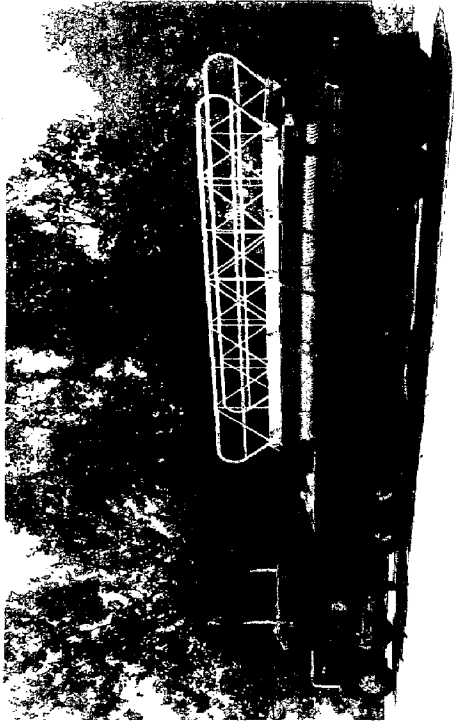
COMMODORE BARRY BRIDGE DELAWARE RIVER ACCESS PHASE II-B
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7. PERMANENT PIER - OPEN PILE

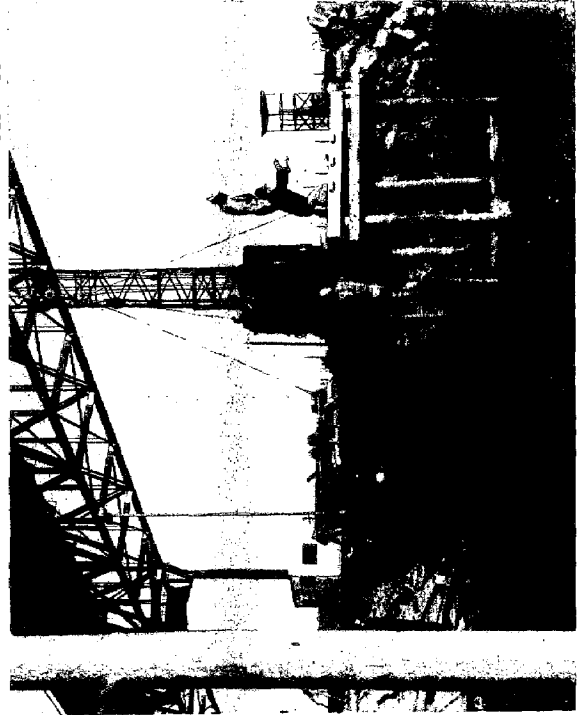


8. PERMANENT PIER - OPEN PILE

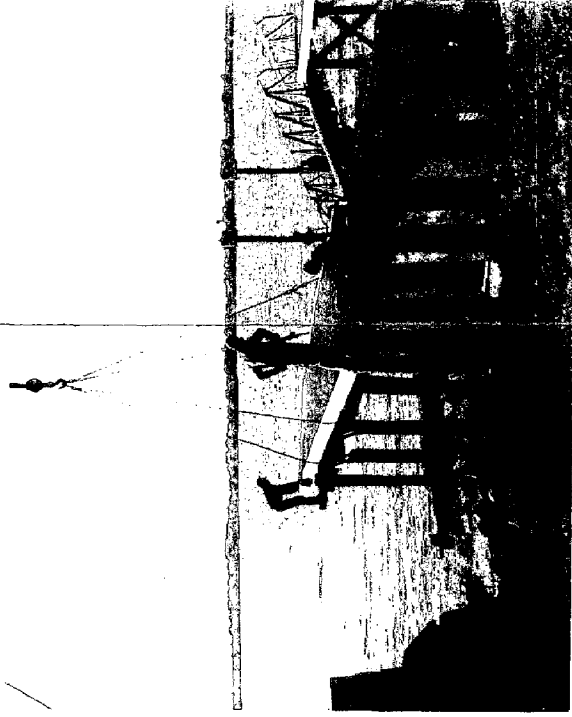


9. DELIVERY-FLOATING DOCK/GANGWAY DECK

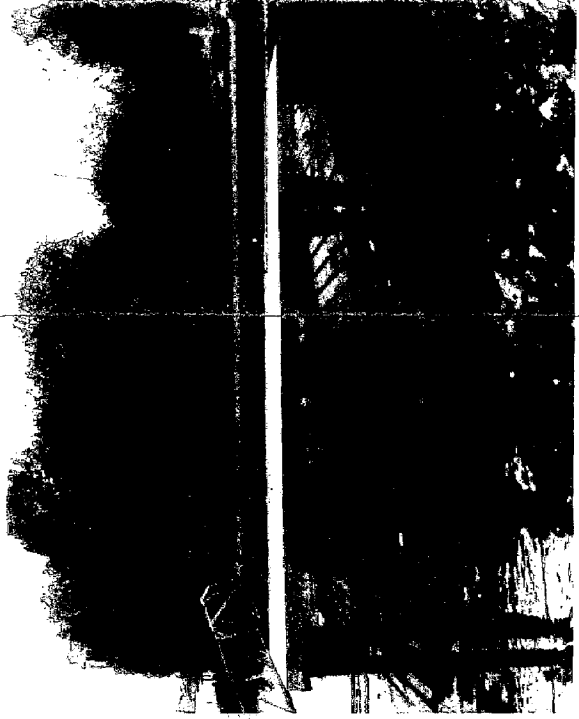
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11. DECK INSTALLATION



10. DECK INSTALLATION

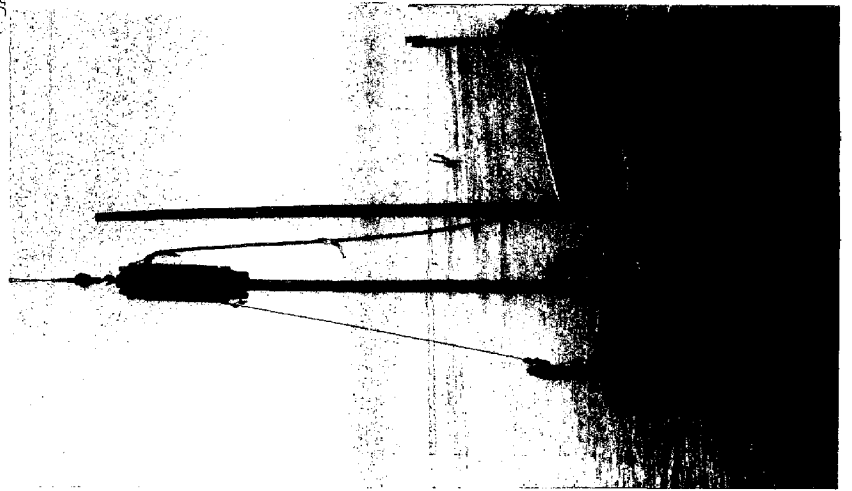


12. DECK INSTALLED



13. STIFF ARM INSTALLATION

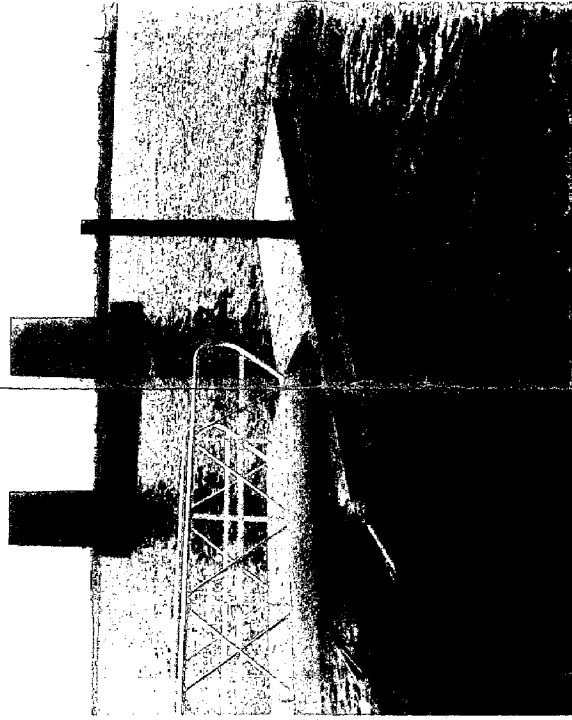
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15. GUIDE PILING INSTALLATION



14. GANWAY INSTALLATION



16. FLOATING DOCK SYSTEM INSTALLED



17. PERMANENT PIER PRIOR TO INFILL & CONCRETE DECK

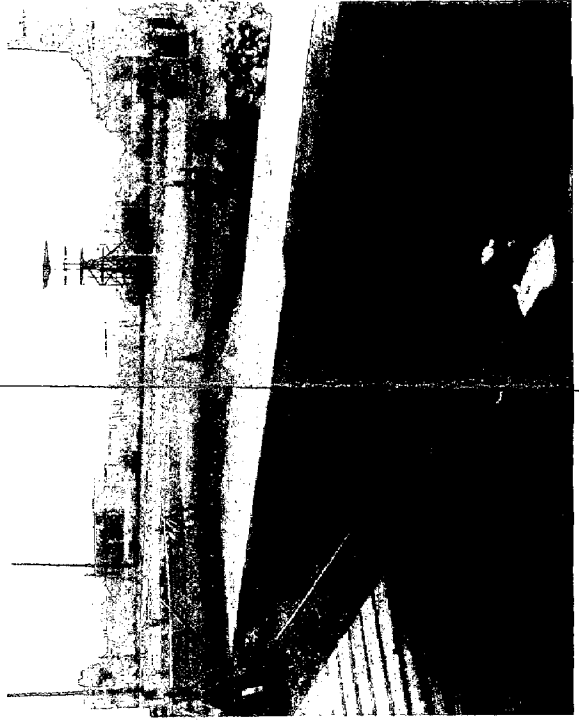
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18. PERMANENT PIER INFILL COMPLETED



19. PERMANENT PIER POURING OF CONCRETE DECK



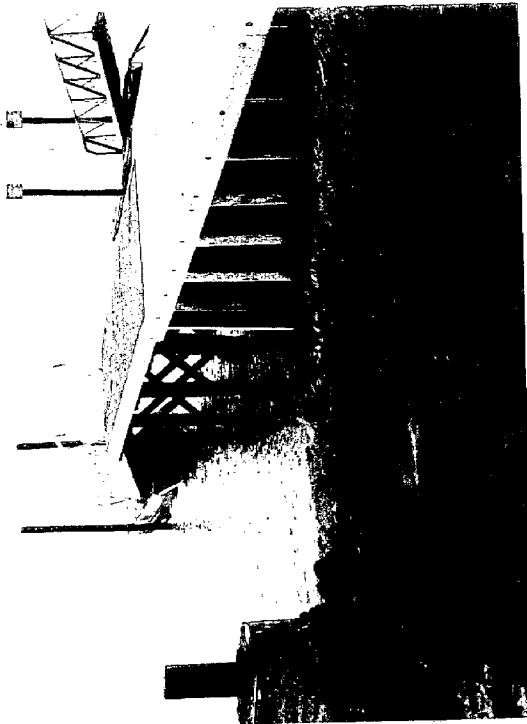
20. PERMANENT PIER CONCRETE DECK COMPLETED



22. BOAT RAMP FILTER
FABRIC INSTALLATION



24. BOAT RAMPS- PRE-CAST CONCRETE PLANKS

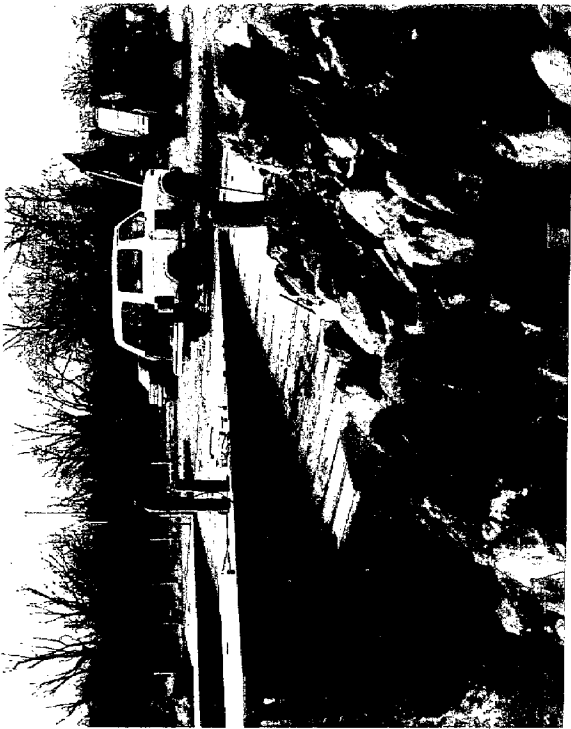


21. BOAT RAMP GRADING

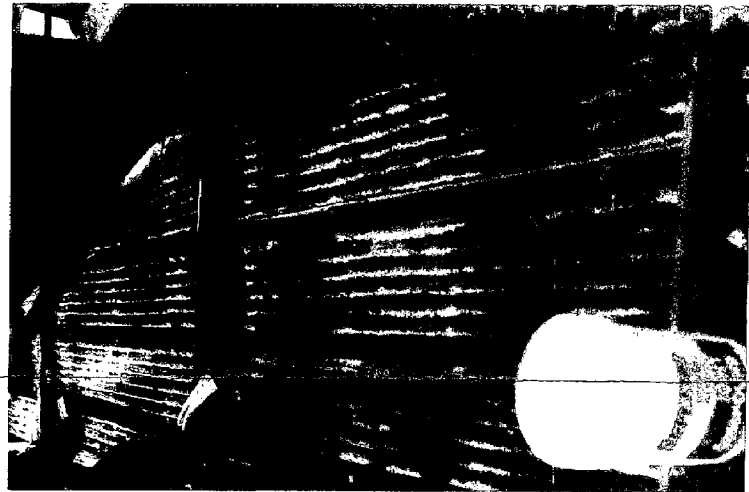
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23. SHEET PILE PROTECTIVE COATING



25. BOAT RAMP - PRECAST CONCRETE PLANKS
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26. CONCRETE PLANK
CONNECTIONS



27. TURNAROUND AREA PAVING - PREPARATION



28. TURNAROUND AREA PAVING - COMPLETED



29. TURNAROUND AREA PAVING - COMPLETED

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31. STORM SEWER- RELATED ASPHALT PAVING



30. STORM SEWER
CONSTRUCTION



32. STORM SEWER- RELATED ASPHALT PAVING

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