

**MARINE ADVISORY BOARD
 THURSDAY, AUGUST 2, 2007 – 7:00 p.m.
 CITY COMMISSION CONFERENCE ROOM - EIGHTH FLOOR CITY HALL
 100 NORTH ANDREWS AVENUE
 FORT LAUDERDALE, FLORIDA**

<u>BOARD MEMBERS</u>	<u>PRESENT/ ABSENT</u>	<u>CUMULATIVE ATTENDANCE FROM 5/3/07</u>	
John Terrill, Chair	P	P-3	A-0
Barry Flanigan, Vice Chair	P	P-3	A-0
Rick Schulze	P	P-3	A-0
Eugene Zorovich	A	P-2	A-1
Michael Widoff	A	P-2	A-1
Ryan Campbell	P	P-2	A-1
David Bernier	A	P-0	A-3
Alec Anderson	P	P-2	A-1
Bobby Dubose	P	P-2	A-1
Norbert McLaughlin	P	P-2	A-1
Stephen Tilbrook	P	P-1	A-2
John Custer	P	P-3	A-0
Randolph Adams	P	P-3	A-0
John Baker	P	P-1	A-2
Bob Ross	P	P-1	A-0

Staff Present

Jamie Hart, Supervisor of Marine Facilities
 Andrew Cuba, Manager of Marina Facilities
 Cate McCaffrey, Director of Business Enterprises
 Alexandra Grant, Recording Clerk, Prototype, Inc.

I. Call to Order/Roll Call

Chair Terrill called the meeting to order at 7:05 p.m. Following roll call, it was determined that a quorum was present.

II. Approval of Minutes – June 7, 2007

Motion made Mr. Adams, seconded by Mr. McLaughlin, to approve the minutes of the June 7, 2007 meeting. In a voice vote, the motion passed unanimously.

III. Waterway Crime & Boating Safety Report

No report was provided.

Chair Terrell welcomed Cate McCaffrey, Director of Business Enterprises.

Ms. McCaffrey introduced herself and spoke of her background and qualifications.

Chair Terrell welcomed New Board member, Bob Ross.

IV. Presentation – Resurrection of Coconut Isle/Broward County Parks and Recreation Department

John Fiore, Liaison to the Broward County Marine Advisory Committee, summarized the history of Coconut Isle, located at the confluence of the Intracoastal Waterway and the New River. He gave a presentation outlining details of the proposal including:

- Marine habitat/nursery for small fish.
- Coastal hardwood hammock trees in the upland area.
- Walking path and 3 picnic area.
- Boat dock.

Mr. Fiore stated community members had voiced concern about the site becoming a spot for partygoers. To address these concerns, he presented an alternate plan for a nature park with the following features:

- Increased mangrove plantings up to 25 feet.
- Nature trail.
- Decreased dock size so fewer people would be attracted.
- Rip rap all around to prevent people from docking there.

Mr. Fiore explained that the island would have ecological benefits with the mangroves and eventually a bird rookery.

It was noted that the Florida Inland Navigation District supported the project and would likely fund fifty percent of the cost. Also, the County's Marine Advisory Committee Broward Boating Improvement Program would fund the additional fifty percent. It was stated that the mangrove plantings would possibly be funded via saltwater wetland mitigation efforts.

Mr. Fiore further noted that Broward County Parks and Recreation, the Broward County Biological Research Division and the Broward Urban River Trails all supported this project.

Mr. Baker asked about the quantity of available slips. In response, Mr. Fiore advised 2-3 slips would be available depending on boat size.

Mr. Schulze asked whether the plan would be expanded if there was excessive fill from the dredging of the Intracoastal Waterway. In response, Mr. Fiore stated that a good amount of fill would go to this site; however much of it would end up in the airport project.

Mr. Campbell spoke in favor of the project.

Mr. Ross asked whether the site could be restricted to non-motorized vessels. In response, Mr. Fiore stated this would diminish funding possibilities. Mr. Ross voiced concern that boaters would take advantage of the island for partying. In response, Mr. Fiore stated that law enforcement would be helpful and added that the island would be cleaned. Also, appropriate signage would be posted designating the site as an environmental park.

Mr. Dubose asked about maintenance plans. In response, Mr. Fiore stated there were no current plans for maintenance but in future, monies would be budgeted for this purpose.

Mr. Tilbrook spoke in favor of the project.

Mr. Anderson was pleased with the mangrove plantings from an environmental perspective. He suggested further consideration of security measures, i.e. cameras, as the heavy mangrove coverage created "the appearance of a site where people could go to do anything."

Mr. Fiore expressed his belief that the site could be redeveloped with a minimum of tax dollars.

Mr. Adams commented that the Board was getting bogged down in operational details and should simply consider the benefits of this project for the City.

Chair Terrill commented that it would be a shame to let concerns about a possible "party island" stop the project from moving forward, and a shame to limit boat access based on trying to control this potential. He spoke in support of the County and encouraged Mr. Fiore to continue with this effort.

Motion made by Mr. Tilbrook, seconded by Mr. Adams, to support the conceptual plan for the resurrection of Coconut Island with enhanced boater access. In a voice vote, the motion passed unanimously.

V. Presentation – Winterfest Boat Parade

Lisa Scott Founds, Executive Director of the Winterfest Committee, spoke of plans to extend the Boat Parade, starting in the New River, and requested the Board's support for the new route.

It was noted that the Coast Guard would stop all traffic at 3 p.m. from water marker 9 to the New River.

Mr. Baker, Mr. Tilbrook, and Chair Terrill spoke in favor of the plans presented.

Motion by Mr. Anderson, seconded by Mr. Tilbrook, to recommend that the City Commission support the change in route and that the City provide any assistance possible for the Boat Parade. In a voice vote, the motion passed unanimously.

VI. Application - Water Taxi License Transfer – Water Transportation Alternatives, Inc.

Mr. Hart introduced Bob Bekoff, who was selling this business to a new operator. Mr. Hart summarized staff's conditions for approval of this application.

Mr. Bekoff introduced Mike McGurl of Water Transportation Alternatives, and future operator of Water Taxi. Mr. McGurl spoke of his qualifications in the marine industry and distributed literature on his company.

A question was raised about improvements in ADA-accessible features. Mr. McGurl stated he would work toward providing fully ADA-accessible systems.

Mr. Ross asked whether a local contact would be available. In response, Mr. McGurl advised that local management would be in place and that all staff would be retained.

Mr. Tilbrook requested a summary of Water Taxi's current service and routes. In response, Mr. McGurl advised this is a transportation business aimed at getting people out of cars; the current route went from Oakland Park Boulevard to 17th Street, to the Las Olas Riverfront, with 11 stops. Mr. McGurl indicated that he would be looking at opportunities to serve more people via extended hours of operation and possible routing improvements. Mr. Tilbrook commented that it

would be beneficial if residents at the western end of Riverwalk could also be served. Mr. McGurl stated he is willing to work with the Board and other groups to gather support for this.

Vice-Chair Flanigan suggested clarification as to whether this service is a tour or a taxi, because of previous concerns. He also spoke of previous litigation with the City and County regarding ADA accessibility, and asked whether the City had proper indication that these legalities would be addressed.

Motion by Mr. Adams, seconded by Mr. Campbell, to approve. In a voice vote, the motion passed unanimously.

Mr. Tilbrook recognized Mr. Bekoff for establishing this transportation system for the City.

VII. Application - Dock Construction Permit-110/120 S.E. 10th Avenue/Edewaard Development, LLC.

Vice-Chair Flanigan requested that the next two items be addressed together. There were no objections.

Craig and Jonathan Edewaard, developers, presented this application and spoke of work currently being done on their properties. Mr. Craig Edewaard requested the Board's approval to use the property abutting the City's right-of-way.

Vice-Chair Flanigan asked why these docks had not been maintained. In response, Mr. Hart explained that the City would benefit from improvements the developer would make as these would be better than those done by a homeowner.

Mr. Schulze questioned how the straight configuration of the additional dock would work as the seawall is on a C-curve. In response, Mr. Craig Edewaard indicated he would not proceed further out than the maximum 4 feet of space beyond the seawall.

Mr. Hart advised the City Attorney's office had approved this application before.

Motion by Mr. Schulze, seconded by Mr. McLaughlin, to recommend that the City Commission approve the plan as proposed. In a voice vote, the motion passed unanimously.

VIII. Application – Dock Construction Permit – 110 S.E. 11th Avenue/Edewaard Development, LLC.

Motion by Mr. Schulze, seconded by Mr. Adams, to recommend that the City Commission approve the plan as proposed. In a voice vote, the motion passed unanimously.

IX. Application – Dock Construction Permit – 114/116 S.E. 11th Avenue/Riverside Landings at Las Olas, Inc.

Terry Patterson, owner and developer of Riverside Landings at Las Olas, gave a presentation outlining details of this application. He explained that due to pressure from the Neighborhood Association and a communication error on his part, a damaged section of the seawall had been repaired without a permit.

Mr. Ross requested information regarding inspection. In response, Mr. Hart explained that the Code required the City Engineer to rebuild the wall. The contractor really should have known that this type of work should not have been done without a permit.

Chair Terrill commented that the Building Department had a mechanism in place to address construction done without a permit. Mr. Tilbrook advised there is a double penalty mechanism in place.

Motion by Mr. Campbell, seconded by Mr. Dubose, to approve. In a voice vote, the motion passed unanimously.

X. Application – Dock Waiver of Limitations – 808/810 N.E. 20th Avenue/Dixie Southland Corp.

Mr. Tilbrook disclosed a conflict of interest on this item and excused himself from the discussion.

Alex Hecker, representing the applicant, and Tyler Chappell of The Chappell Group, Inc. gave a PowerPoint presentation outlining details of the proposal as follows:

- The application complies with code requirements for being granted a waiver.
- The site is consistent with adjacent facilities.
- The site is on a fairly wide section of the New River.
- The site is appropriately zoned in an existing marine environment.

- The property meets extraordinary requirements that justified City Code.

Mr. Chappell spoke of plans to replace existing docks with floating piers measuring 67 x 4 feet and ramps of 15 x 4 feet. It was noted that the northern pier is 46 feet to the 30% threshold line and 125 feet to the center line of the Middle River.

Mr. Chappell stated that the property is currently zoned as residential office district and that the City had received no objections to this project.

Mr. Adams asked about the size of vessels allowed for docking. In response, Mr. Chappell said 67-100 feet vessels would be able to dock.

Mr. Schulze commented that due to the configurations of its buildings, the neighborhood would not be impacted adversely.

Chair Terrill opened the discussion to public comment.

A resident of 2608 Inlet Drive, spoke in favor of this project.

Robert Terrence Reilly, a neighbor, spoke against this project.

Mr. Hart stated that docking is prohibited within the 10-foot setback per the City Attorney's ruling on a previous application.

Mr. Adams raised the question of how boats would fit within the 10-foot setback. In response, Mr. Chappell said the applicant only planned on allowing boats that would fit within the setback.

Mr. Adams commented that the applicant is setting this project up for a violation. Mr. Hecker stated the Board could make the necessary recommendations to ensure appropriate docking within setbacks.

Mr. Hart advised that the City Commission had attached a stipulation to clear any violations within thirty days or lose the waiver.

Mr. Adams asked whether this language could be included in the Board's recommendation.

Mr. Chappell pointed out there were currently no violations on the site. Mr. Hart added that building can be done within the setback, but docking is prohibited.

Mr. Hecker commented that based on legal interpretation, the setback stipulation did not apply as there are no residences adjacent to the property. It was stated that the applicant would comply with any stipulations set forth by the Board.

Mr. Hart commented that the City Attorney would likely include a stipulation prohibiting docking within the setback.

Mr. Baker questioned the statement that there were no residential properties adjacent to the site. Mr. Chappell again referred to the diagram and pointed out that the property did not have a residence on either side.

Chair Terrill asked Ms. McCaffrey if the City Attorney had determined whether a setback is being violated on the property. In response, Ms. McCaffrey advised that any violations would be cited by Code Enforcement.

Motion by Mr. Campbell, seconded by Mr. Schulze, to approve with staff's recommendations.

Mr. Anderson voiced concern about approving a project that might result in a possible Code violation.

Mr. McLaughlin explained that the City Attorney would determine whether the property is still under residential zoning or under new commercial zoning which would eliminate the setback requirement.

In a roll call vote, the motion passed (9-2).

XI. Application – Commercial Application – Pier 17 Yacht Club/DRC Case No. 93-R-06

Brad Tate, General Manager of the Pier 17 Marina and Yacht Club, 1500 SW 17 Street, gave a presentation outlining details of this application.

It was noted that Phase 1 of this project had been permitted by the City. Plans for Phase 2 included:

- Excavating a portion of the upland to extend the marina.
- Dredging a portion off the New River.
- Constructing new sea walls.
- Dredging the basin being excavated, minus 8 feet.
- Constructing new finger piers.
- Reconfiguring submerged land areas.

Various renderings of the site and surrounding areas were presented.

Mr. Schulze raised the issue of appropriate permitting as construction and dredging had already begun. In response, Mr. Tate advised that all work done during Phase 1 had been appropriately permitted.

Motion by Mr. Ross, seconded by Mr. McLaughlin, to approve. In a voice vote, the motion passed unanimously.

XII. Marine Facilities – Dockage Overview

Mr. Cuba reported that staff had provided three parameters as an introduction for this concept including:

1. The basics for replacement of commercial vessels on New River.
2. An explanation of submerged land leases as they related to vessel types.
3. A snapshot of occupancy percentages at three facilities.

Mr. Adams asked how this summer's marina usage compared to last year's. Mr. Cuba stated that usage at the Las Olas Marina is about even, while Cooley's and the New River Marinas have slightly reduced occupancy.

Chair Terrill asked whether electrical problems at the Las Olas Marina affected the current numbers. In response, Mr. Cuba spoke of the loss of 3-phase business and added that the City intended to provide 3-phase power in a short time if the budget allowed.

Chair Terrill requested that staff provide a report identifying how much 3-phase business revenue has been lost. Mr. Cuba responded affirmatively and suggested that the Board encourage Engineering to solve this problem.

Vice-Chair Flanigan commented that current occupancy is commendable and spoke in favor of all efforts to support the Las Olas Marina, as it produced cash revenue for the City.

It was suggested that additional pedestals be placed at inner docks to allow 3-phase power to be provided to the inner marinas.

Mr. Baker suggested that the City consider presenting more downtown events to target more transient dockage. Mr. Cuba agreed this seemed reasonable and indicated staff would bring this suggestion before Parks and Recreation.

Chair Terrill commented that the Board needed to address the problem of bridging the gap between marine facilities and the parks and recreation department.

XIII. Report – Broward County Marine Advisory Committee

Mr. Adams reported that the Committee had primarily discussed the Coconut Island proposal.

XIV. Commercial Dockage Lease Renewals

Mr. Cuba reported that eight commercial leases would expire October 1, 2007. It was stated that a CPI increase of 2.7% is proposed because over the past four years, dockage had increased 29%.

Mr. Tilbrook asked how the City decided who got different dock slips. In response, Mr. Cuba said this is handled on a first come, first serve basis.

Mr. Tilbrook commented on the Code requirement regarding signage for commercial vessels, such as the Carib B, along the City docks. Mr. Hart agreed to locate the permit for the Carib B.

Motion by Vice-Chair Flanigan, seconded by Mr. Schulze, to approve. In a voice vote, the motion passed unanimously.

Discussion followed regarding usage designations and zoning with regard to placement of commercial vessels.

Chair Terrill advised that City Planning is addressing usage designations and types of vessel activities in the Riverwalk area and would present the relevant master plan addressing these issues at the next meeting.

XV. Old/New Business

Mr. Hart reported the City would receive a \$500,000 grant from the Florida Boating Improvement Program.

Mr. Hart indicated staff is waiting for grant agreements to be signed.

Mr. Adams asked about the status of the mooring of vessels at Las Olas. In response, Mr. Hart spoke of design problems that would hopefully be resolved

before the next season. It was also stated that monies were in place for the moorings.

Chair Terrill requested that monthly reports include any events that would significantly impact revenue. Mr. Hart agreed to this request.

XVI. Adjournment

There being no further business before the Board, the meeting was adjourned at 9:50 p.m.

FORM 8B MEMORANDUM OF VOTING CONFLICT FOR COUNTY, MUNICIPAL, AND OTHER LOCAL PUBLIC OFFICERS

LAST NAME—FIRST NAME—MIDDLE NAME Tilbrook, Stephen Ketner	NAME OF BOARD, COUNCIL, COMMISSION, AUTHORITY, OR COMMITTEE Marine Advisory Board
MAILING ADDRESS 200 E. Broward Boulevard, Suite 2100	THE BOARD, COUNCIL, COMMISSION, AUTHORITY OR COMMITTEE ON WHICH I SERVE IS A UNIT OF:
CITY COUNTY Fort Lauderdale, FL Broward	<input checked="" type="checkbox"/> CITY <input type="checkbox"/> COUNTY <input type="checkbox"/> OTHER LOCAL AGENCY
DATE ON WHICH VOTE OCCURRED August 2, 2007	NAME OF POLITICAL SUBDIVISION: Fort Lauderdale
MY POSITION IS: <input type="checkbox"/> ELECTIVE <input checked="" type="checkbox"/> APPOINTIVE	

WHO MUST FILE FORM 8B

This form is for use by any person serving at the county, city, or other local level of government on an appointed or elected board, council, commission, authority, or committee. It applies equally to members of advisory and non-advisory bodies who are presented with a voting conflict of interest under Section 112.3143, Florida Statutes.

Your responsibilities under the law when faced with voting on a measure in which you have a conflict of interest will vary greatly depending on whether you hold an elective or appointive position. For this reason, please pay close attention to the instructions on this form before completing the reverse side and filing the form.

INSTRUCTIONS FOR COMPLIANCE WITH SECTION 112.3143, FLORIDA STATUTES

A person holding elective or appointive county, municipal, or other local public office **MUST ABSTAIN** from voting on a measure which inures to his or her special private gain or loss. Each elected or appointed local officer also is prohibited from knowingly voting on a measure which inures to the special gain or loss of a principal (other than a government agency) by whom he or she is retained (including the parent organization or subsidiary of a corporate principal by which he or she is retained); to the special private gain or loss of a relative; or to the special private gain or loss of a business associate. Commissioners of community redevelopment agencies under Sec. 163.356 or 163.357, F.S., and officers of independent special tax districts elected on a one-acre, one-vote basis are not prohibited from voting in that capacity.

For purposes of this law, a "relative" includes only the officer's father, mother, son, daughter, husband, wife, brother, sister, father-in-law, mother-in-law, son-in-law, and daughter-in-law. A "business associate" means any person or entity engaged in or carrying on a business enterprise with the officer as a partner, joint venturer, coowner of property, or corporate shareholder (where the shares of the corporation are not listed on any national or regional stock exchange).

* * * * *

ELECTED OFFICERS:

In addition to abstaining from voting in the situations described above, you must disclose the conflict:

PRIOR TO THE VOTE BEING TAKEN by publicly stating to the assembly the nature of your interest in the measure on which you are abstaining from voting; *and*

WITHIN 15 DAYS AFTER THE VOTE OCCURS by completing and filing this form with the person responsible for recording the minutes of the meeting, who should incorporate the form in the minutes.

* * * * *

APPOINTED OFFICERS:

Although you must abstain from voting in the situations described above, you otherwise may participate in these matters. However, you must disclose the nature of the conflict before making any attempt to influence the decision, whether orally or in writing and whether made by you or at your direction.

IF YOU INTEND TO MAKE ANY ATTEMPT TO INFLUENCE THE DECISION PRIOR TO THE MEETING AT WHICH THE VOTE WILL BE TAKEN:

- You must complete and file this form (before making any attempt to influence the decision) with the person responsible for recording the minutes of the meeting, who will incorporate the form in the minutes. (Continued on other side)

APPOINTED OFFICERS (continued)

- A copy of the form must be provided immediately to the other members of the agency.
- The form must be read publicly at the next meeting after the form is filed.

IF YOU MAKE NO ATTEMPT TO INFLUENCE THE DECISION EXCEPT BY DISCUSSION AT THE MEETING:

- You must disclose orally the nature of your conflict in the measure before participating.
- You must complete the form and file it within 15 days after the vote occurs with the person responsible for recording the minutes of the meeting, who must incorporate the form in the minutes. A copy of the form must be provided immediately to the other members of the agency, and the form must be read publicly at the next meeting after the form is filed.

DISCLOSURE OF LOCAL OFFICER'S INTEREST

I, Stephen K. Tilbrook, hereby disclose that on August 2, 20 07:

(a) A measure came or will come before my agency which (check one)

inured to my special private gain or loss;

inured to the special gain or loss of my business associate, _____;

inured to the special gain or loss of my relative, _____;

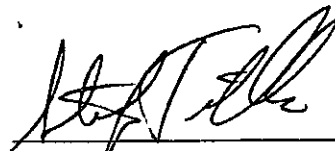
inured to the special gain or loss of _____, by whom I am retained; or

inured to the special gain or loss of Dixie Southland Corporation, which is the parent organization or subsidiary of a principal which has retained ~~me~~ Shutts & Bowen, LLP.

(b) The measure before my agency and the nature of my conflicting interest in the measure is as follows:

The applicant, Dixie Southland Corporation, has engaged Shutts & Bowen LLP (a firm with which I am a contract partner) for representation on a matter pending before the Marine Advisory Board.

August 2, 2007
Date Filed


Signature

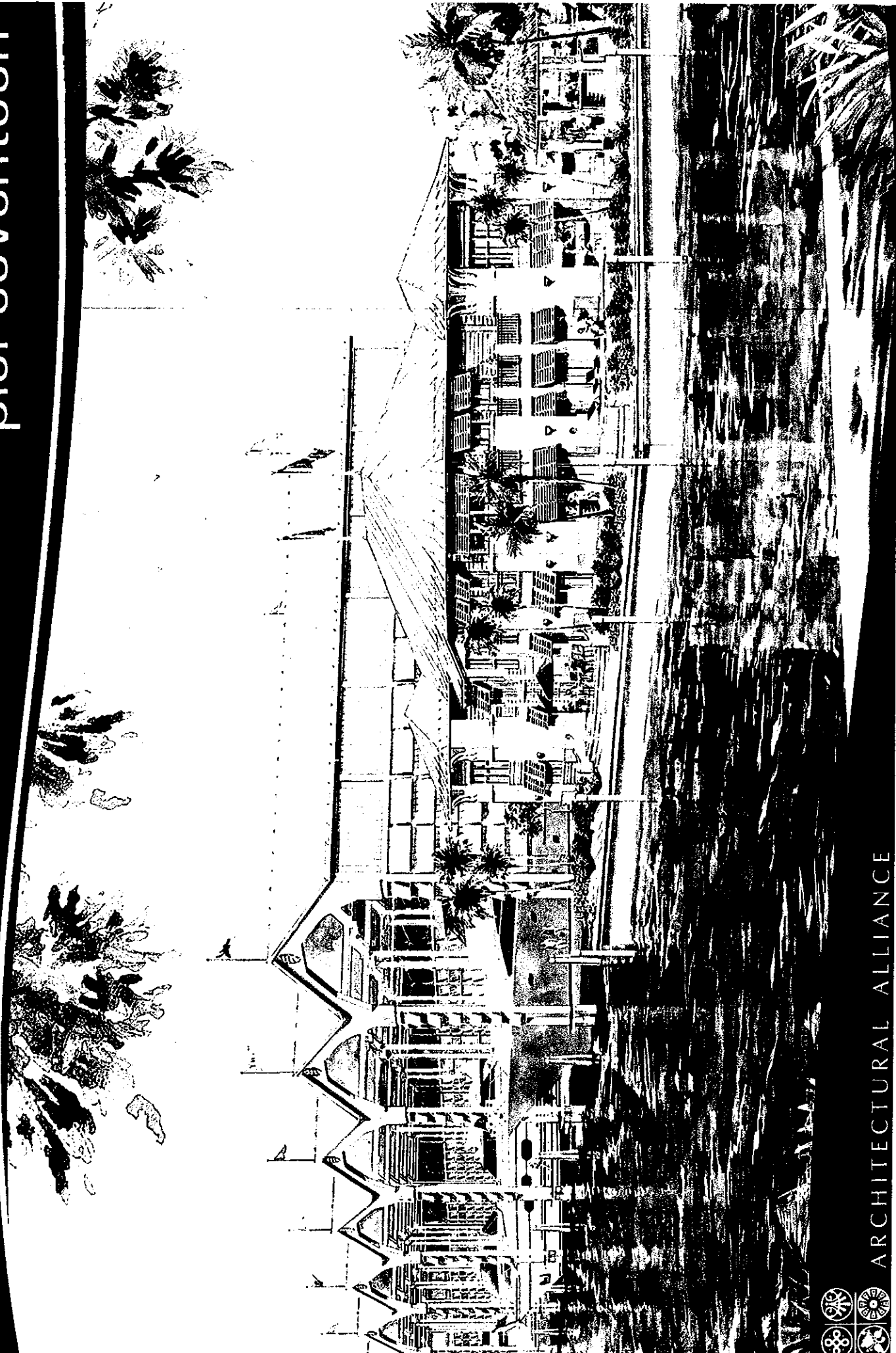
NOTICE: UNDER PROVISIONS OF FLORIDA STATUTES §112.317, A FAILURE TO MAKE ANY REQUIRED DISCLOSURE CONSTITUTES GROUNDS FOR AND MAY BE PUNISHED BY ONE OR MORE OF THE FOLLOWING: IMPEACHMENT, REMOVAL OR SUSPENSION FROM OFFICE OR EMPLOYMENT, DEMOTION, REDUCTION IN SALARY, REPRIMAND, OR A CIVIL PENALTY NOT TO EXCEED \$10,000.

**AUGUST 2, 2007
MARINE ADVISORY BOARD MEETING
POWERPOINT PRESENTATION**

**APPLICATION – PIER 17 YACHT CLUB
DRC CASE NO. 93-R-06**



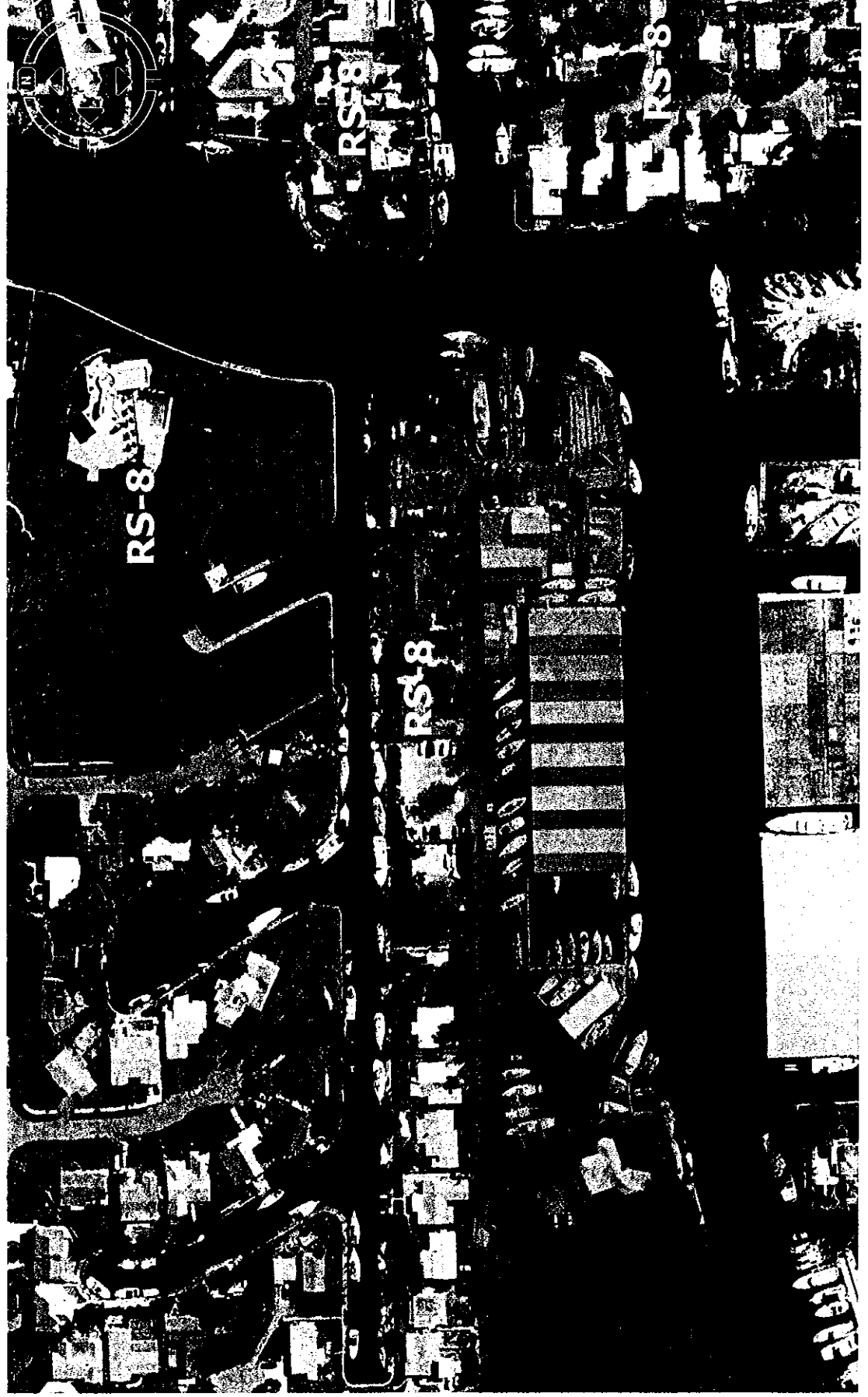
pier seventeen





Aerial View

Existing Conditions



Scope of Project

Phase 1

Existing Boat Basin Area

- Demolish Existing Roof Structures
- Repair & Replace Seawall
- Dredge Basin to (-) 8.00 MLW
- Reconfigure & Construct Finger Piers



Scope of Project

Phase 2

New Boat Basin Area

- Excavate +/- 52,200 SF of Upland Area to (-) 8.00 MLW
- Dredge Portion of New River to (-) 10.00 MLW
- Construct New Seawalls
- Dredge Basin to (-) 8.00 MLW
- Construct New Finger Piers
- Reconstruct Marginal Docks
- Reconfigure Submerged Land Lease Areas



Scope of Project

Phase 3

Upland Redevelopment

- Construct New Roof Structures over Boat Slips
- Construct Garage/Storage Units
- Construct Crew Club Building
- Install Sewage Pump out System
- Install Fire Protection System



Site Photos

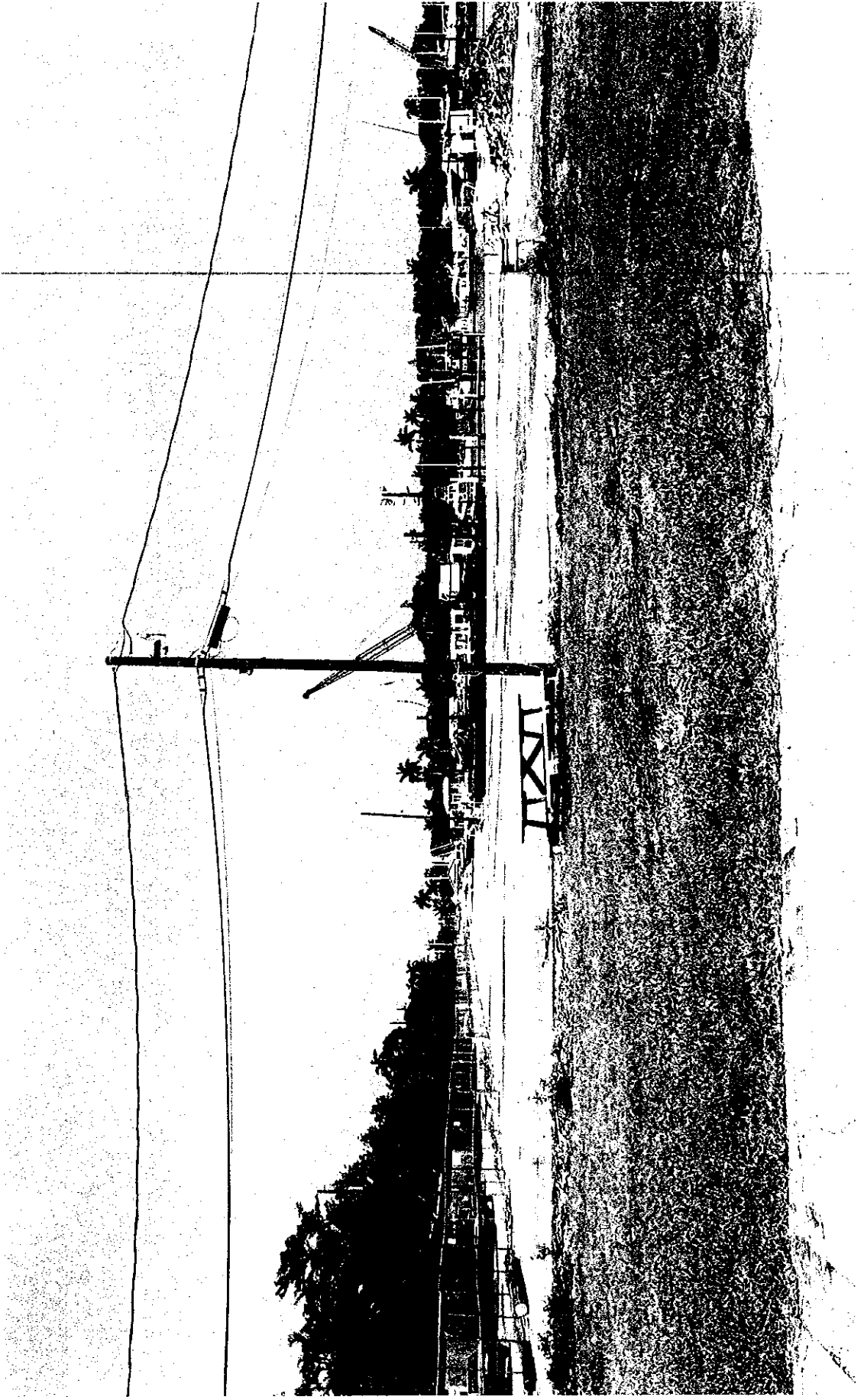
View of Site from Northeast Corner





Site Photos

View of Site from West looking East



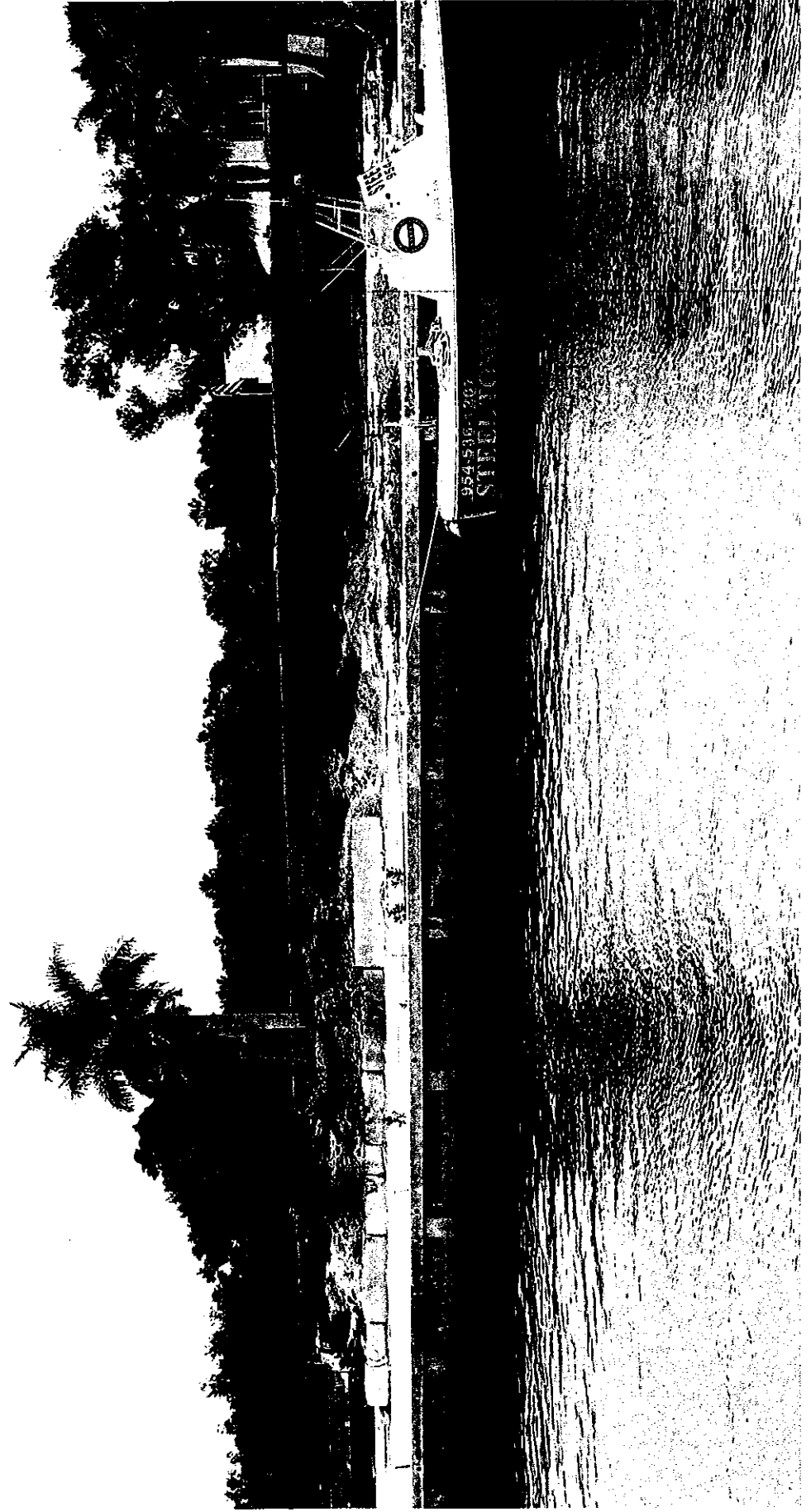
Site Photos

View of Site from East looking West



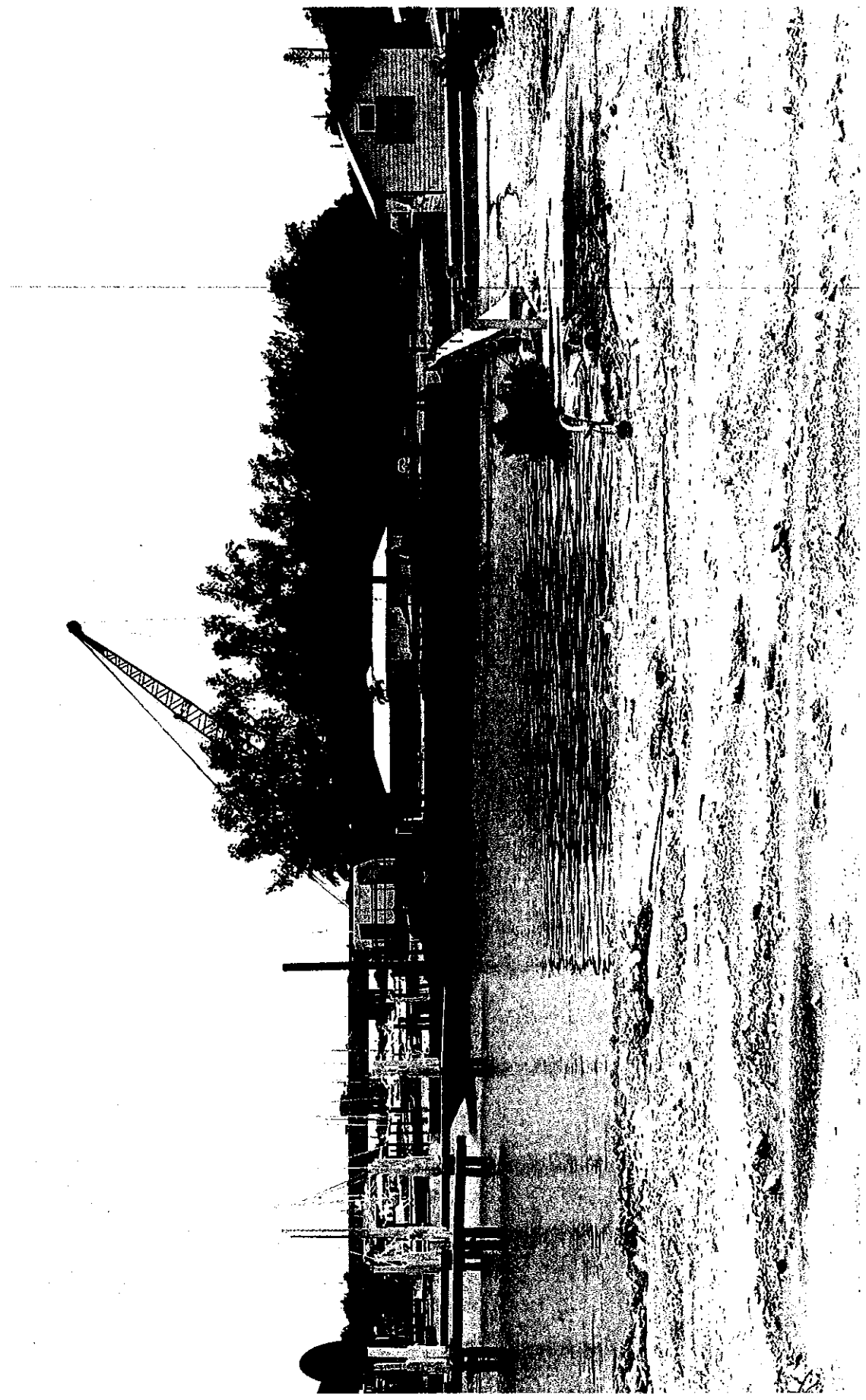
Site Photos

View of Northeast Corner of Site



Site Photos

View of Existing Yacht Basin

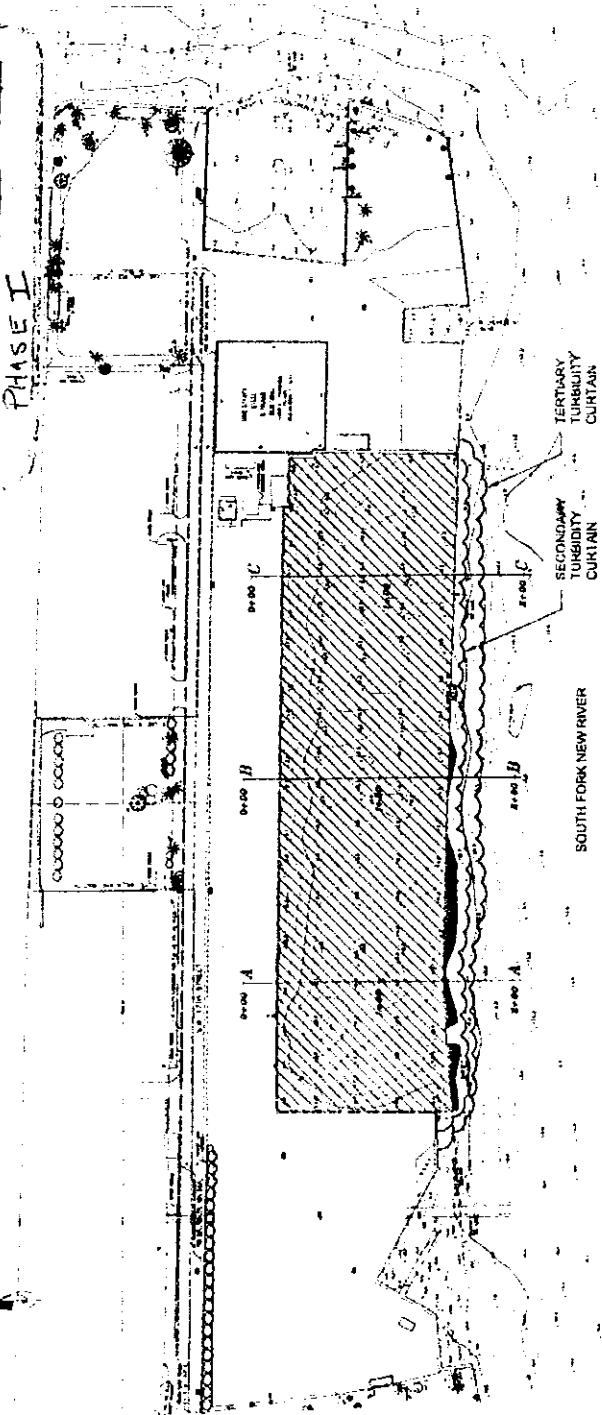




Dredge Area Plan

PIER 17 YACHT BASIN DREDGE PERMIT

COE APPL # SAS 2085-6142
DEP / SFWMD # 66-0251514
DATE 5/4/06
DRAWING PAGE 3 OF 24
PHASE I



NOTES:

1. PROPOSED DREDGE DEPTH FOR YACHT BASIN IS -8 FT MLW.
2. DREDGE AREA TO MATCH THE SURVEY TIE LINE AND -8 FT MLW.
3. TURBIDITY CURTAINS SHALL BE USED IN ALL AREAS OF CONSTRUCTION SO AS NOT TO VIOLATE STATE WATER QUALITY STANDARDS.
4. SEE SHEET 6 FOR CROSS SECTIONS.
5. PRIMARY TURBIDITY CURTAIN WILL SURROUND THE BARGE AND BUCKET.

Lucine Torop
LUCINE TOROP, P.E.
P.L.C. #66282

PROPOSED
 YACHT BASIN
 DREDGING

 PROPOSED
 TURBIDITY CURTAIN
 DREDGING

0 25 50 100 200
 Graphic Scale 1 Inch = 100 Ft.

PIER 17
 DREDGE AREA PLAN

TETRA TECH EC, INC.
 1001 SOUTH WASHINGTON AVENUE
 SUITE 200
 WASHINGTON, DC 20004

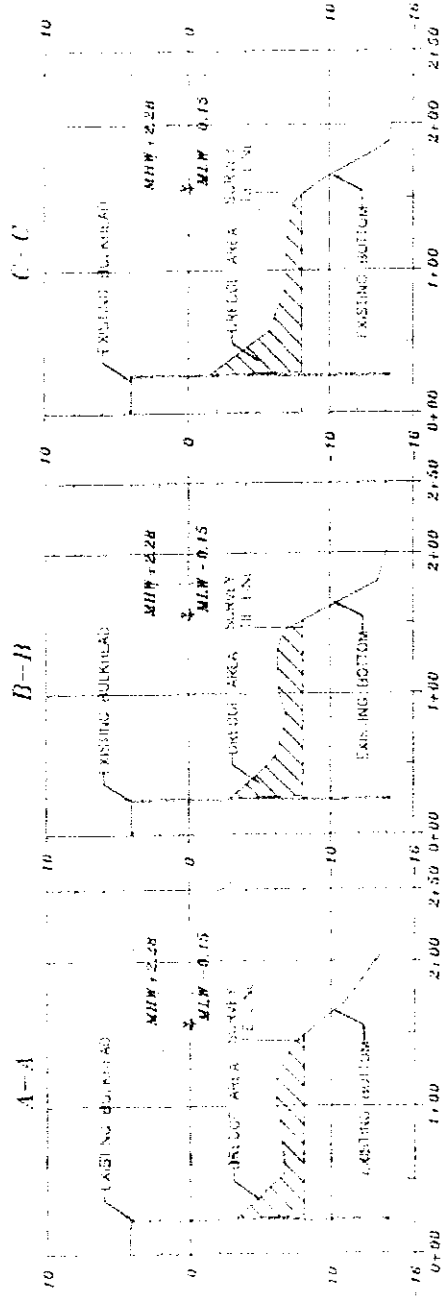
Drawn by: [Name]
 Checked by: [Name]
 Date: [Date]
 Scale: [Scale]
 Sheet 3 of 7



Cross Section Phase 1

PIER 17 YACHT BASIN DREDGE PERMIT

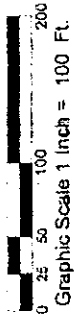
COE APPL # SAS-0605-6142
 DEP / SFWMD # 66-0251514
 DATE 5/4/06
 DRAWING PAGE 4 OF 24
 PHASE I



NOTES:

1. PROPOSED DREDGE DEPTH FOR YACHT BASIN IS -8 FT MLW.
2. DREDGE VOLUME CALCULATED USING SURVEY COMPLETED BY HARTMAN & ASSOCIATES ON JUNE 15, 2005.
3. DREDGE VOLUME IS 4,112 CUBIC YARDS.
4. SEE SHEET 5 FOR DREDGE AREA.
5. VERTICAL SCALE FOR CROSS SECTIONS IS 1 INCH = 10 FEET
6. ELEVATIONS OF TIDAL DATUMS REFER TO MEAN LOWER LOW WATER IN (FT) FROM THE ANDREWS AVENUE BRIDGE, NEW RIVER, STATION ID: 8722931.

EXISTING BUREAU
 EXISTING BOTTOM
 DREDGE AREA SURVEY TR LINE



Shirley Torrey
 PROJECT MANAGER, P.E.
 11-110 850242

**PIER 17
CROSS SECTIONS**

TETRA TECH EC, INC.
 3000 W. UNIVERSITY AVENUE
 SUITE 200
 TAMPA, FL 33609
 PHONE: 813.973.1100
 FAX: 813.973.1101
 SHEET 6 OF 7

Site Photos

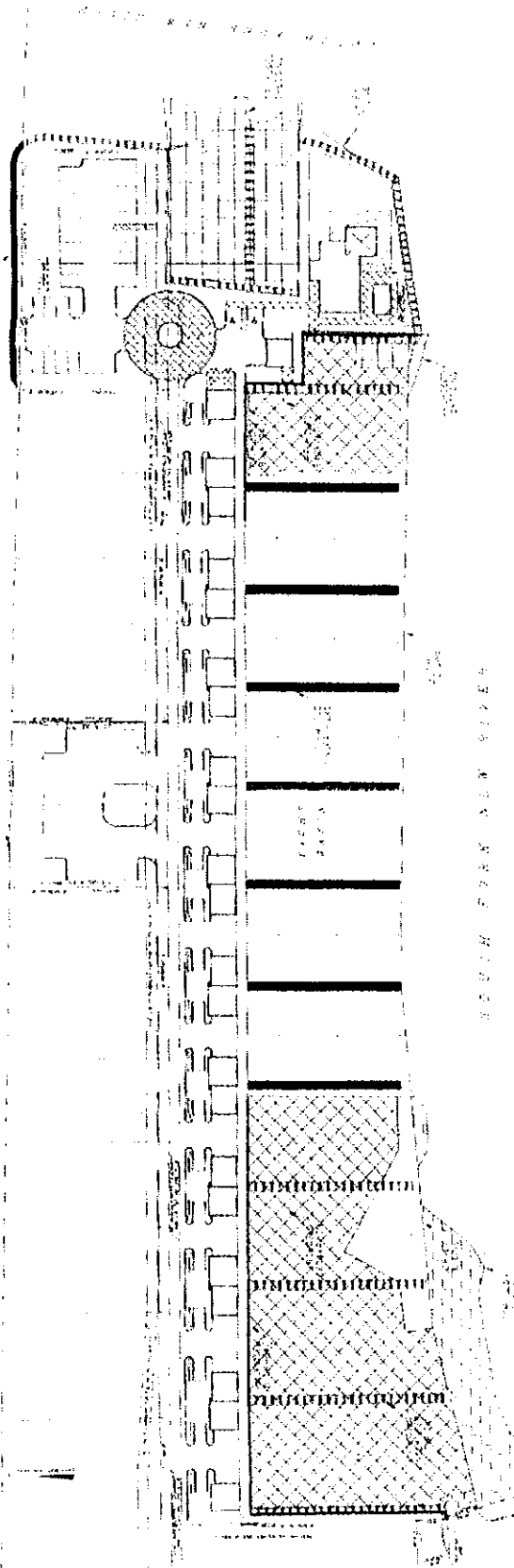
View of Existing Marina Office (to be Demolished)



Excavation Plan Phase 2

PIER 17 PHASE II PERMIT

ESCALANTE CALIFORNIA
 ARCHITECTURAL FINGER PIER 17 PHASE II
 PROJECT: PIER 17 Excavation, Dredging, Docks
 SITE VIEW: 1/1 DATE: 10/1/00
 ALLIANCE REFERENCE NO. 17014236
 SHEET # of 13 AND 6047586000000000



- NOTES:
1. SEE FINGER PIER & MARGINAL DOCK DRAWINGS FOR DIMENSIONS. MARGINAL DOCK WIDTHS VARY. SEE PROPOSED FINGER PIER AND MARGINAL DOCK PLAN FOR DETAILS.
 2. SEE MARGINAL DOCK CROSS-SECTION FOR BULKHEAD DIMENSIONS.
 3. FINGER PIERS IN THE YACHT BASIN HAVE BEEN PERMITTED BY BCEPD, #DF05-1157.
 4. MARGINAL DOCK ON NORTH SIDE OF MARINA HAS BEEN PERMITTED BY BOCA DOCK AND SEAWALL.



PIER 17
 PROPOSED PHASE II
 ACTIVITIES

Tetra Tech

Sheet 3 of 13

Sea Wall Plan

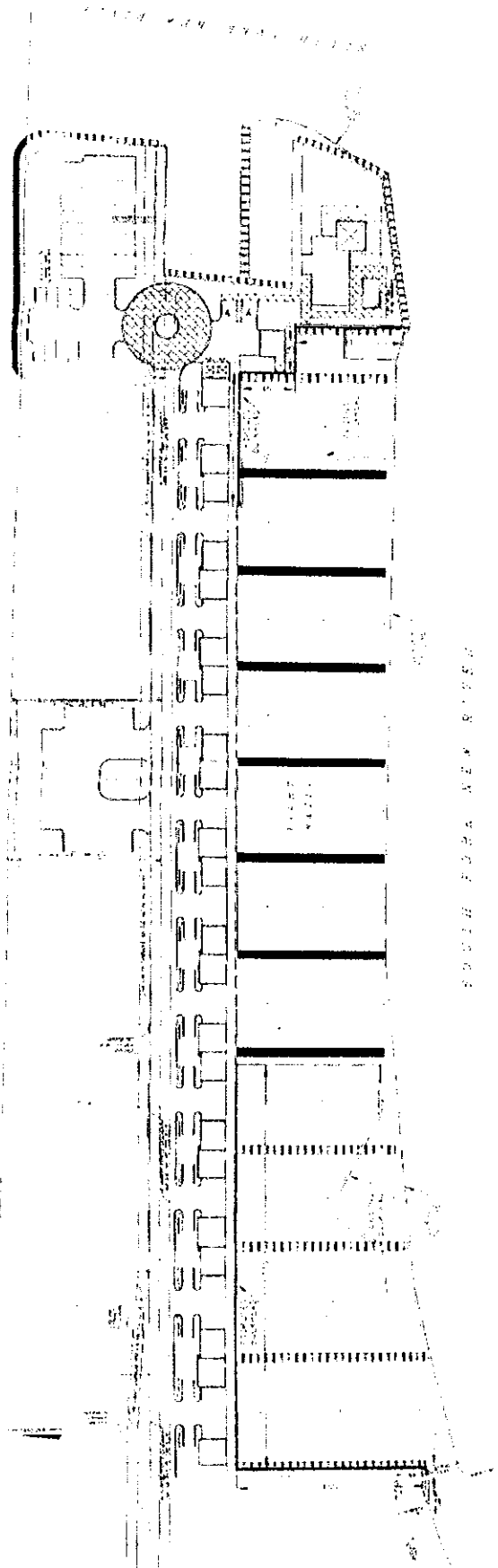
Phase 2

PIER 17 PHASE II PERMIT

BROWARD COUNTY
ENVIRONMENTAL PLANNING DEPARTMENT
BIOLOGICAL RESOURCES DIVISION

BROWARD COUNTY JOB # 2001 07 07 04
PROJECT: Pier 17 Extension, Piers 18 & 19
REVISION: DATE: 11/15/00
ATTACHED LICENSE NO. DBS15126

Page 5 of 18 include sheet: 17A-5 (Sheet)



PIER 17
PROPOSED BULKHEAD
PLAN

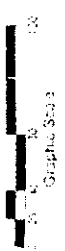
- NOTES:
1. SEE BULKHEAD CONSTRUCTION DETAILS IN THE MARGINAL DOCK CROSS-SECTION DRAWING.
 2. TOTAL LENGTH OF BULKHEAD IS 759 FEET.
 3. THE REMAINDER OF THE BULKHEAD HAS BEEN PREVIOUSLY PERMITTED BY FOEP, USACE, BROWARD COUNTY, AND THE CITY OF FORT LAUDERDALE



TETRA TECH ENGINEERING
11150 W. BOULEVARD
FORT LAUDERDALE, FL 33304
TEL: 954.875.1100
FAX: 954.875.1101
WWW.TETRA-TECH.COM

Sheet 5 of 13

Approved by:
11/15/00



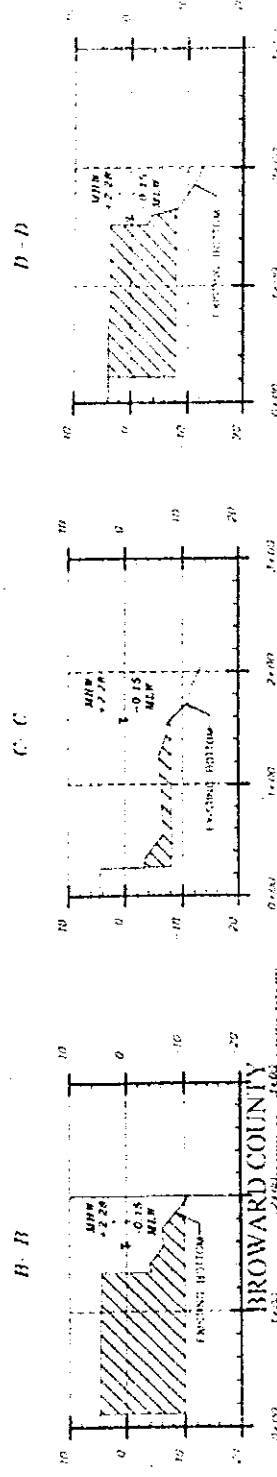
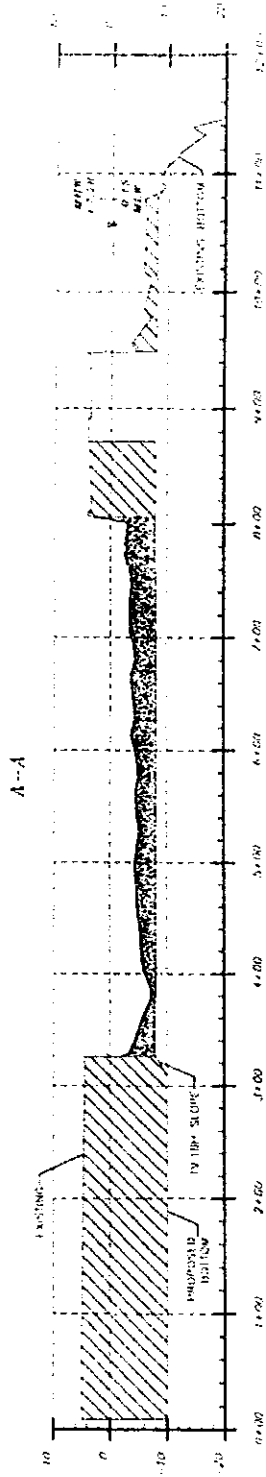
Graphic Scale



Cross Section

Phase 2

PIER 17 PHASE II PERMIT



NOTES:

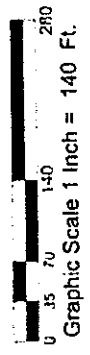
1. PROPOSED DREDGE DEPTH IS NOTED (-10 MLW AND -8 MLW)
2. DREDGE VOLUME CALCULATED USING SURVEY COMPLETED BY HARTMAN & ASSOCIATES ON JUNE 15, 2005.
3. DREDGE VOLUME IS 5,610 CUBIC YARDS.
4. EXCAVATION VOLUME IS 26,500 CUBIC YARDS.
5. SEE SHEET 9 FOR DREDGE AREAS.
6. VERTICAL SCALE FOR CROSS SECTIONS IS 1 INCH = 28 FEET
7. ELEVATIONS OF TIDAL DATUMS REFER TO MEAN LOWER LOW WATER IN (FT) FROM THE ANDREWS AVENUE BRIDGE, NEW RIVER, STATION ID: 8722931.

BROWARD COUNTY
ENVIRONMENTAL PROTECTION DEPARTMENT
BIOLOGICAL RESOURCES DIVISION

BROWARD COUNTY CODE 27-331 TO 27-341
PROJECT Pier 17 Excavation, Dredging & Docks
REVIEWER DATE: 2/22/06
ATTACHED LICENSE NO. DF05-1256
U. GARD

PROPOSED Page 4 of 43 EXCEPTS AS INDICATED IN LICENSE
DR-004

Lucine Toroyan
11/30/05
LUCINE TOROYAN, P.E.
U. LIC. #00282



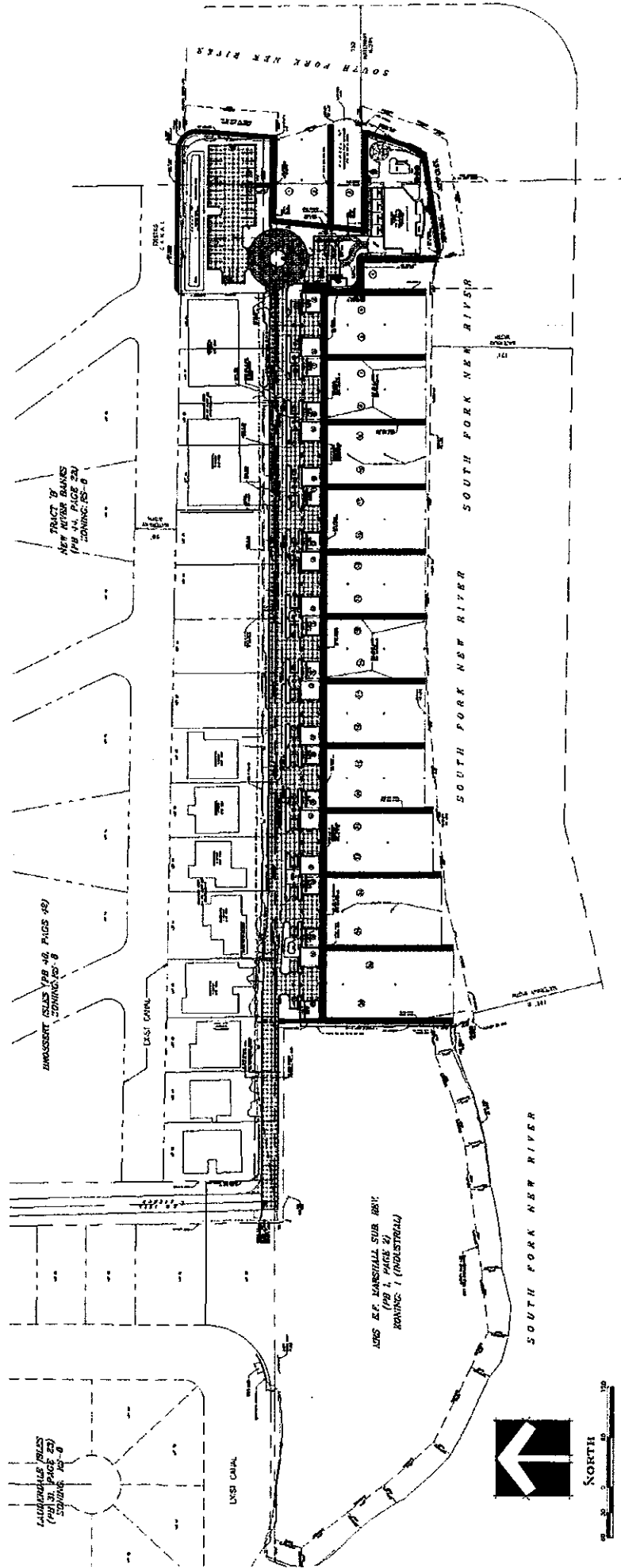
**PIER 17
DREDGE & EXCAVATION
CROSS SECTIONS**

TETRA TECH EC, INC.
2000 SOUTH PARKWAY
SUITE 200
WILMINGTON, NORTH CAROLINA 28403
910.398.1100
WWW.TETRA-TECH.COM

Sheet 10 of 13

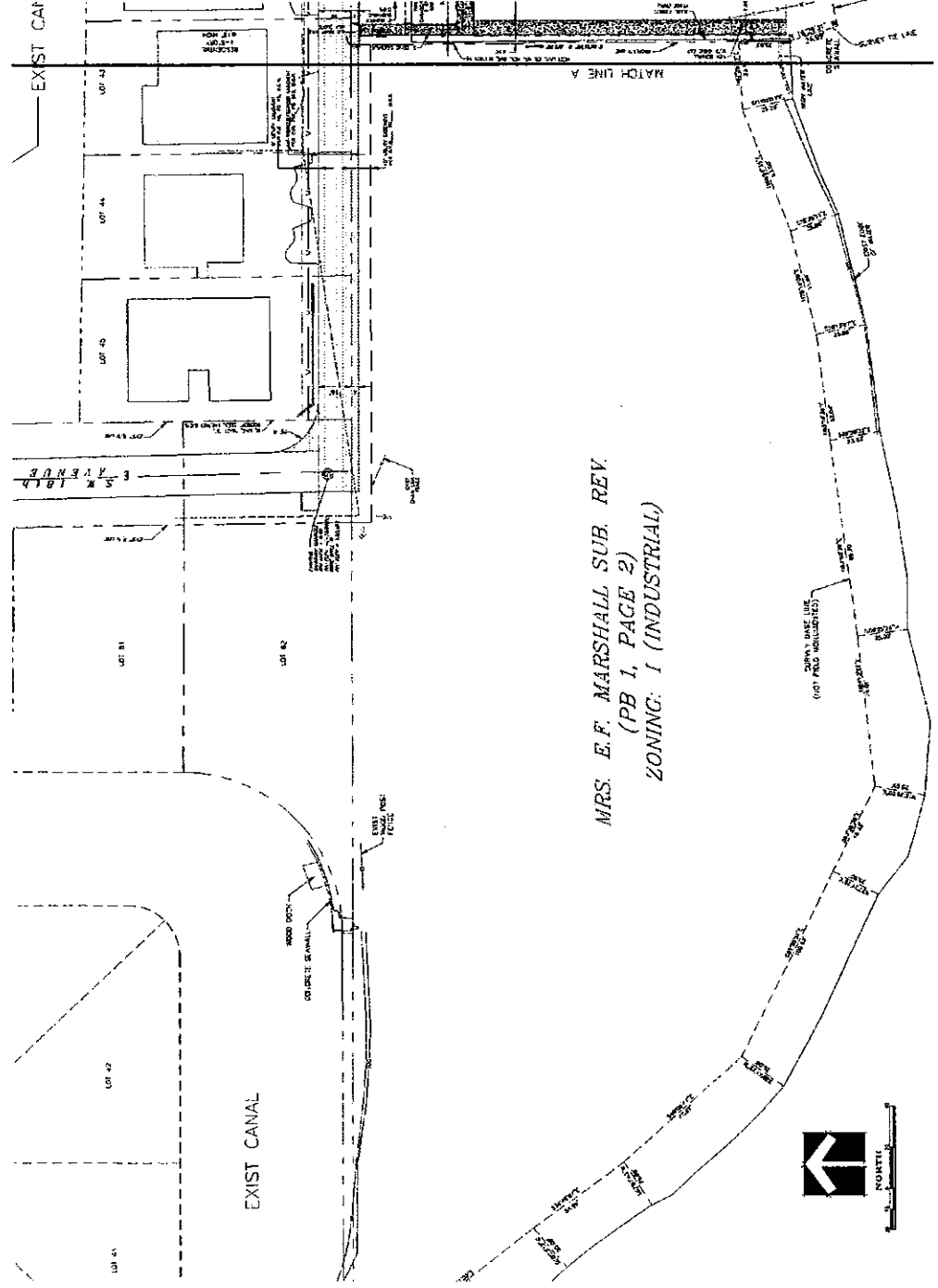


Master Site Plan



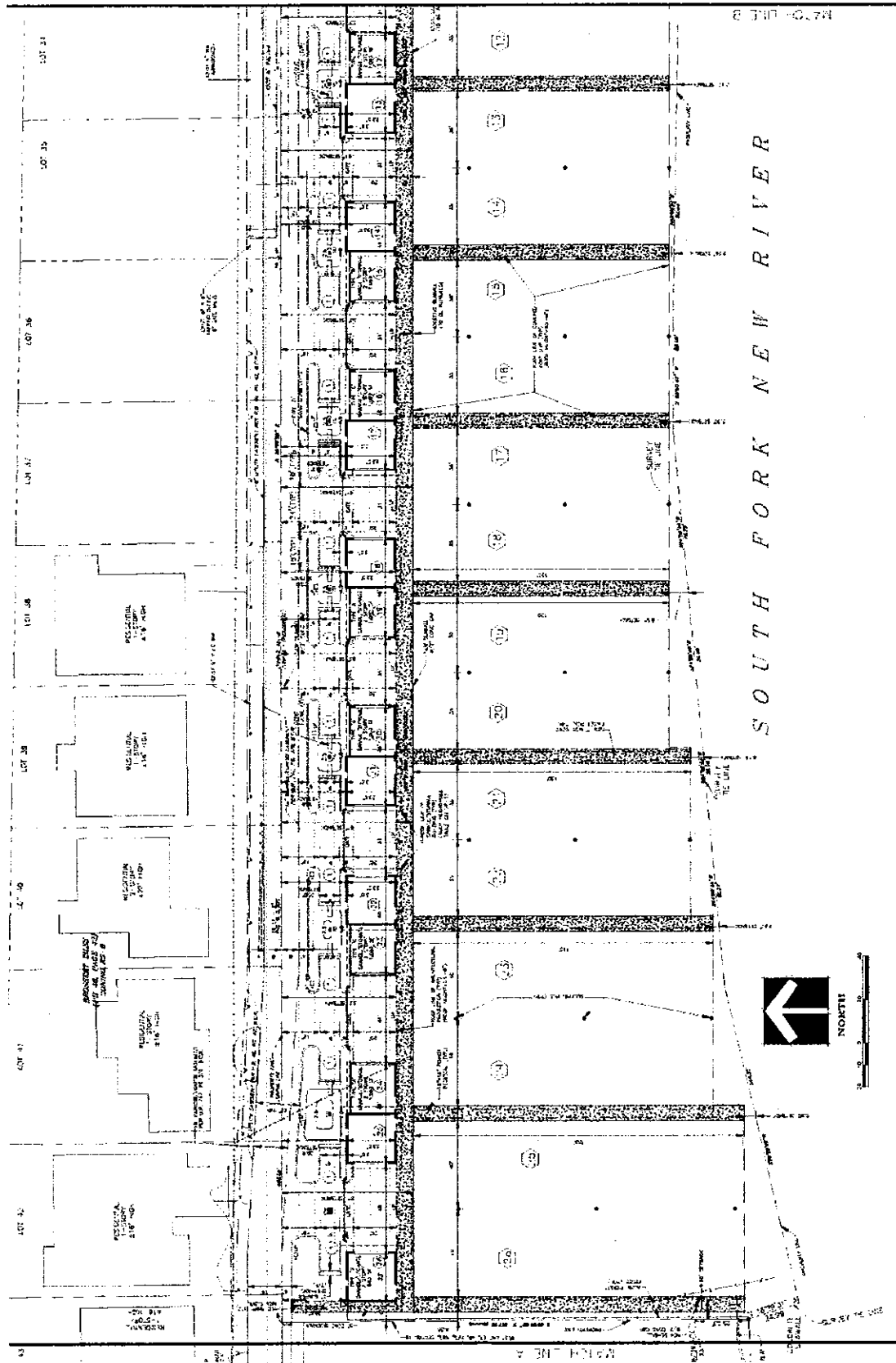


Enlarged Site Plan West Area



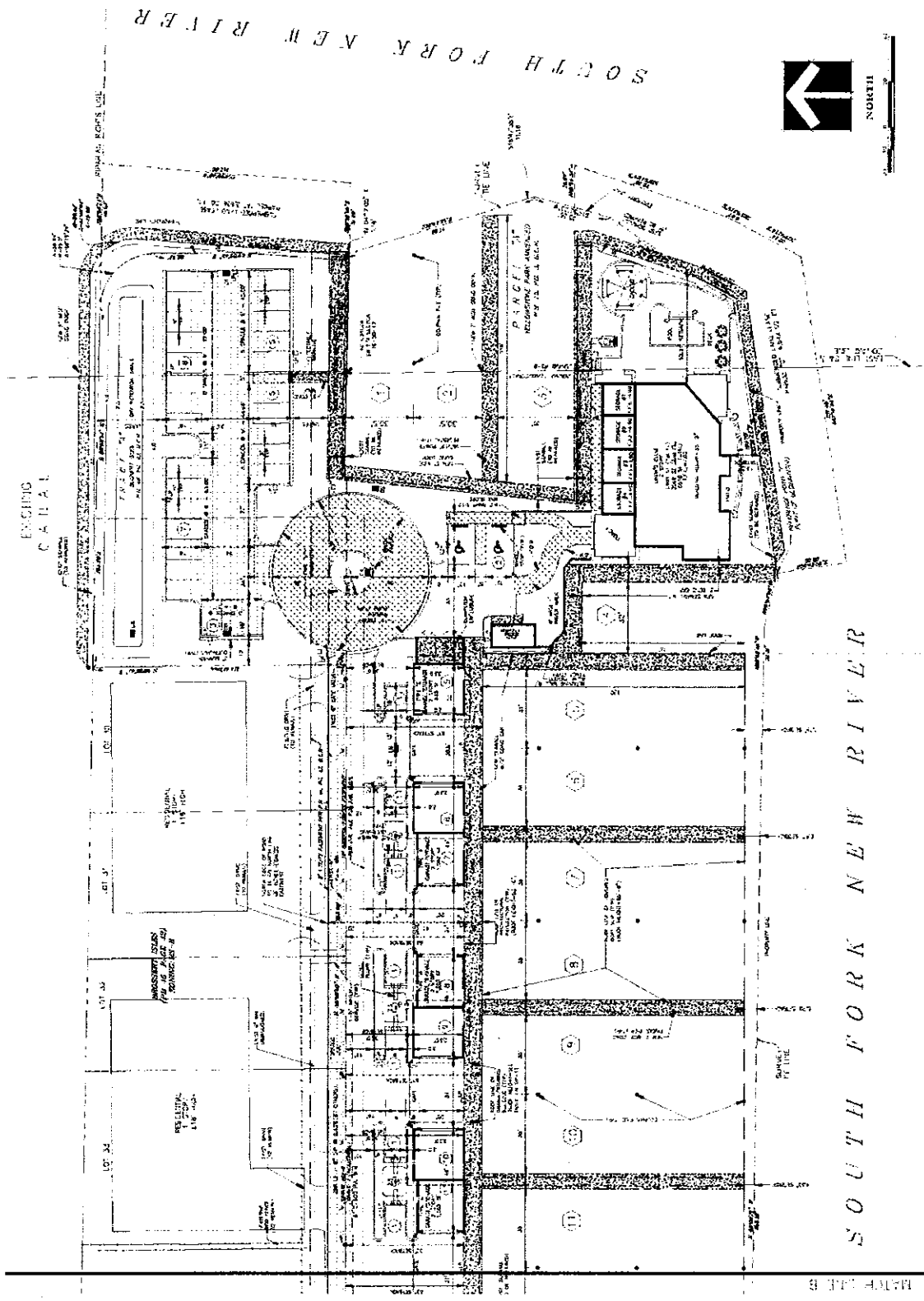
MRS. E.F. MARSHALL SUB. REV.
 (PB 1, PAGE 2)
 ZONING: I (INDUSTRIAL)

Enlarged Site Plan Center Area

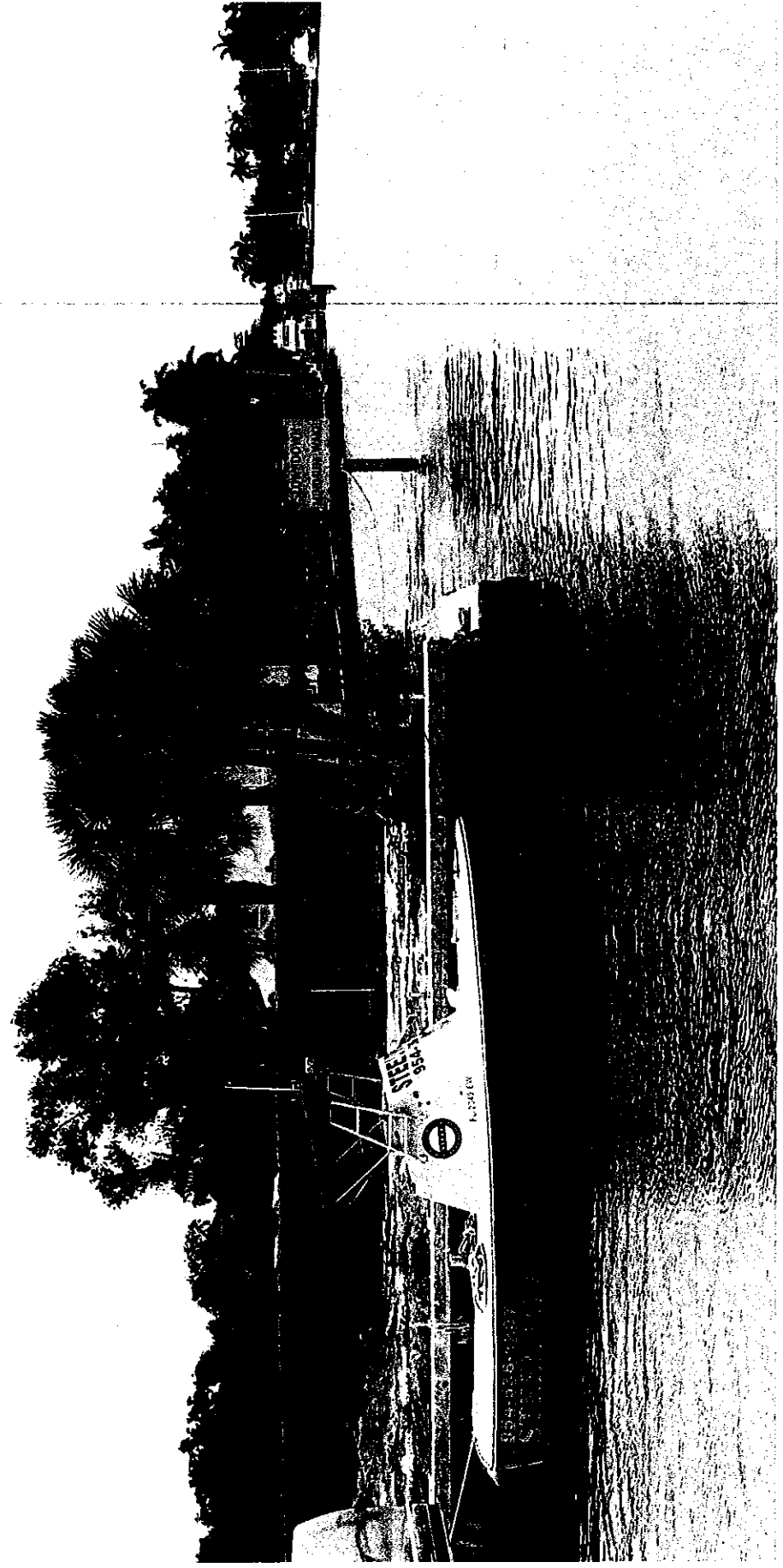




Enlarged Site Plan East Area



Site Photos
View North from Site



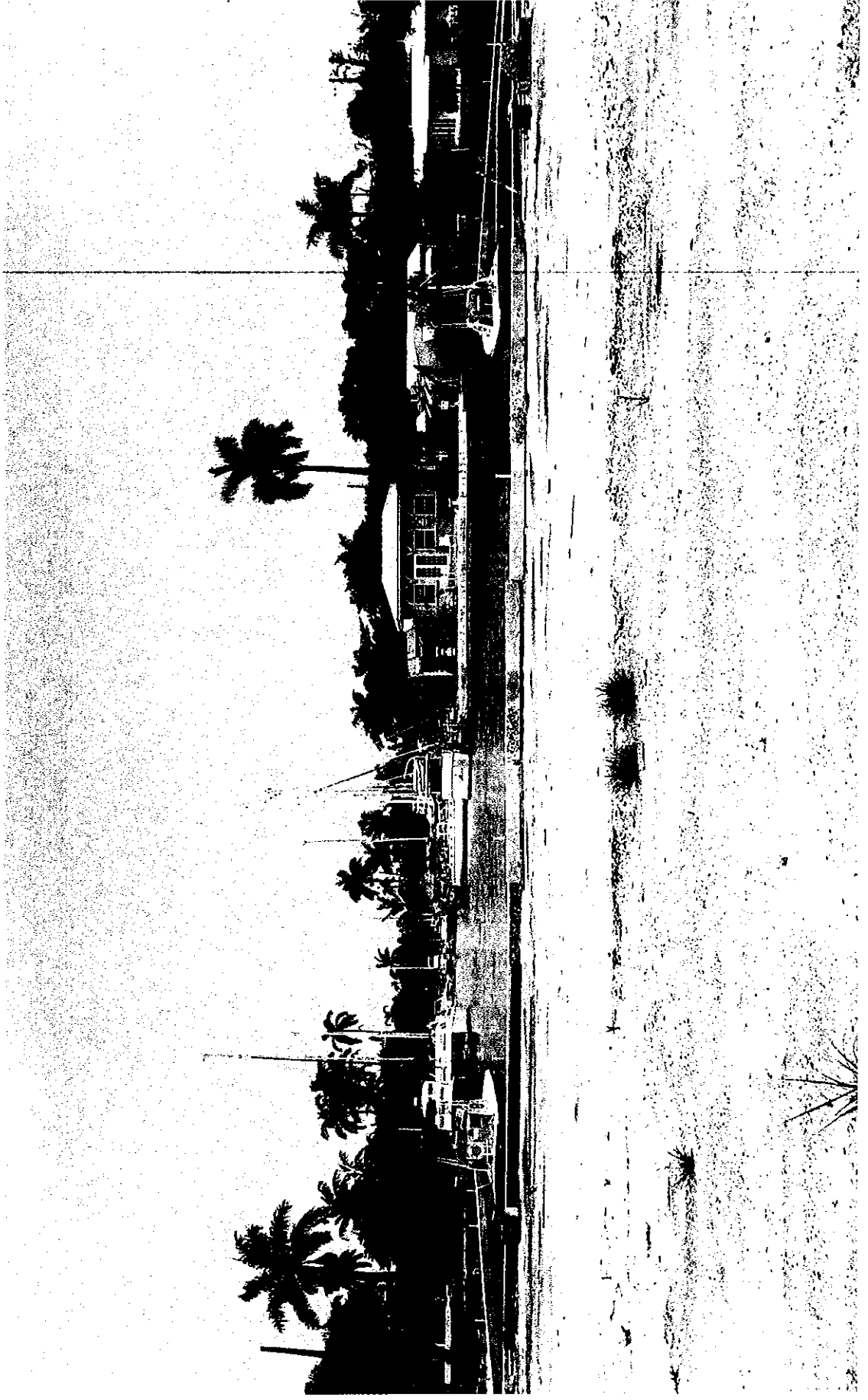
Site Photos

View Northeast from Site



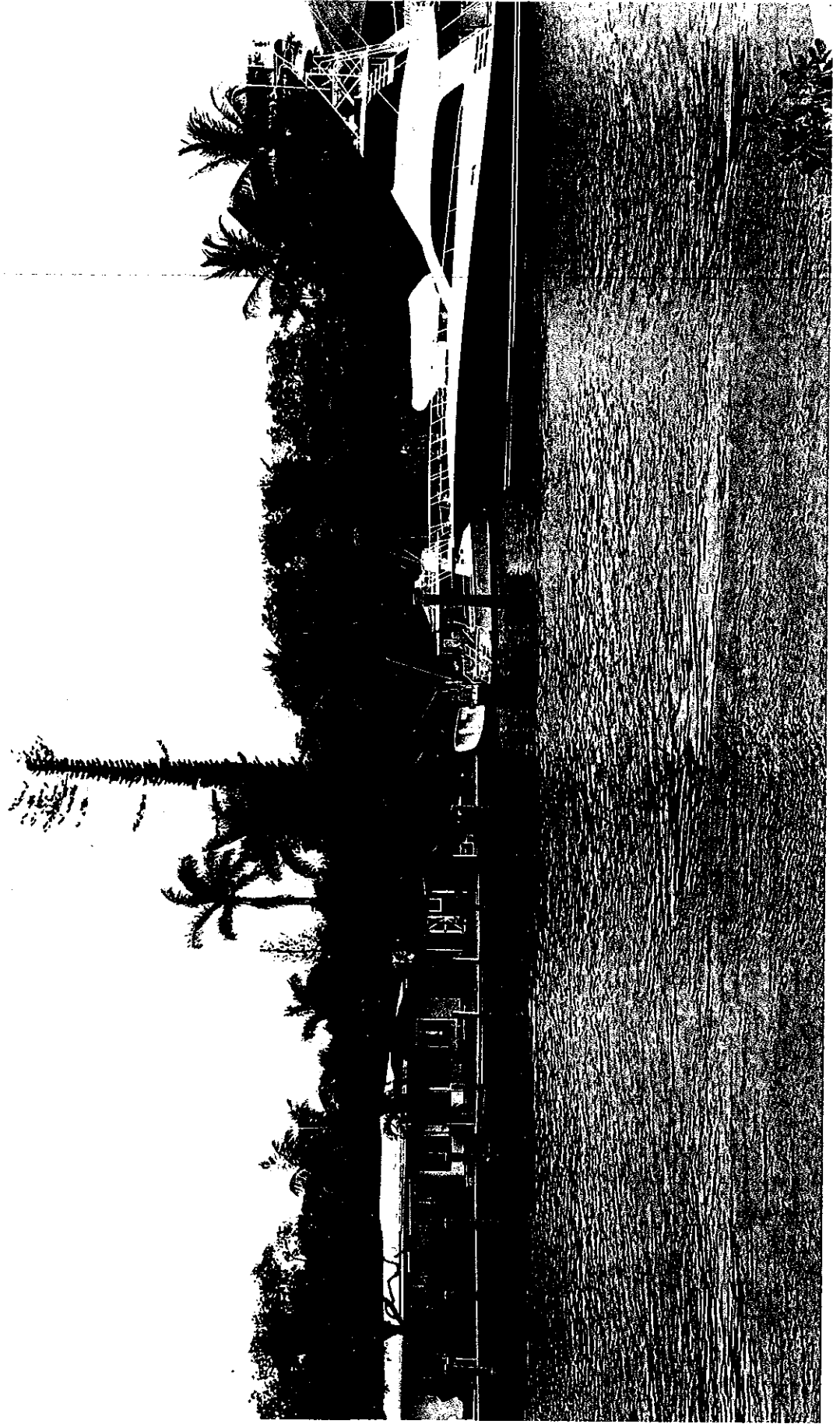
Site Photos

View East from Site



Site Photos

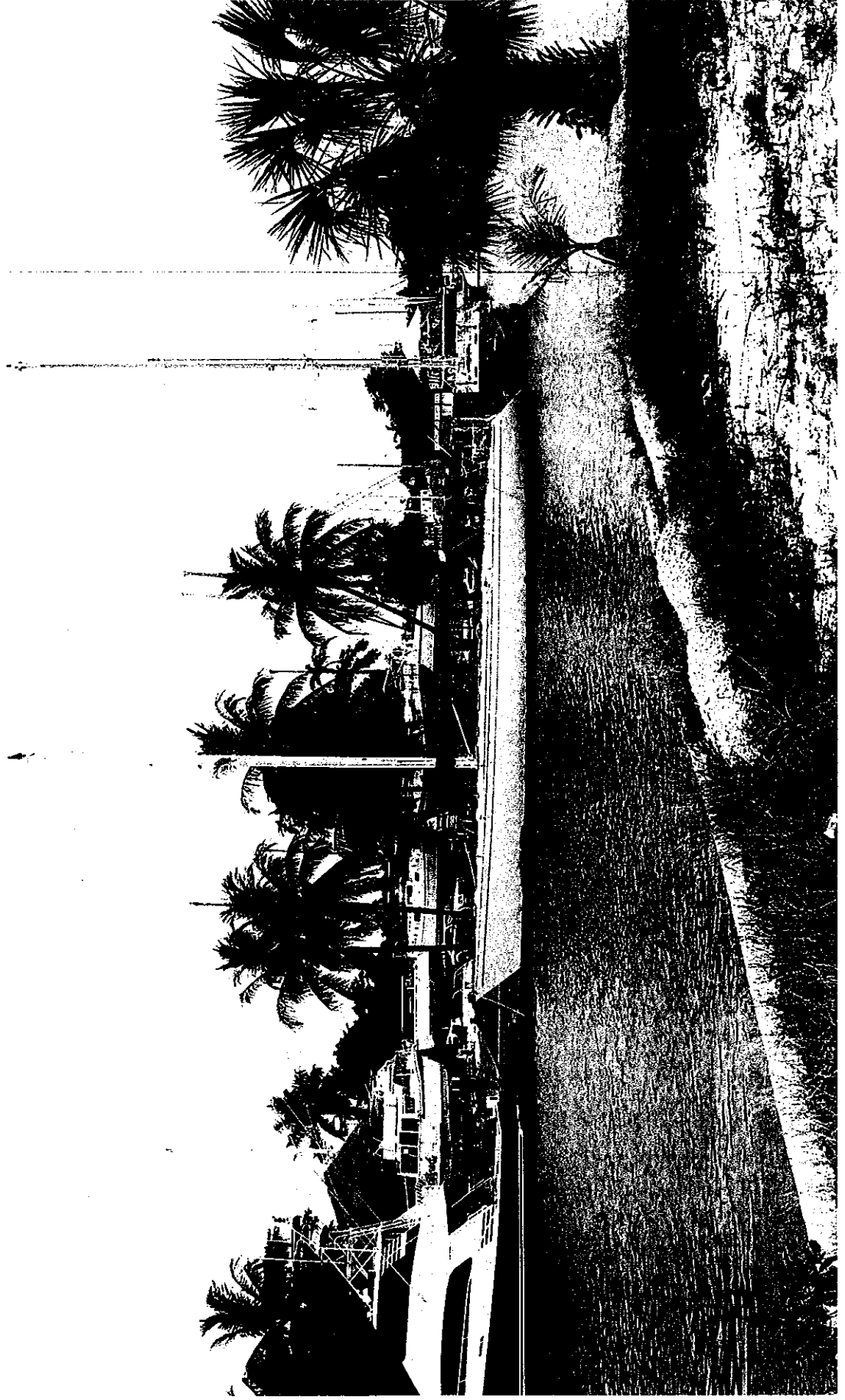
View Southeast from Site





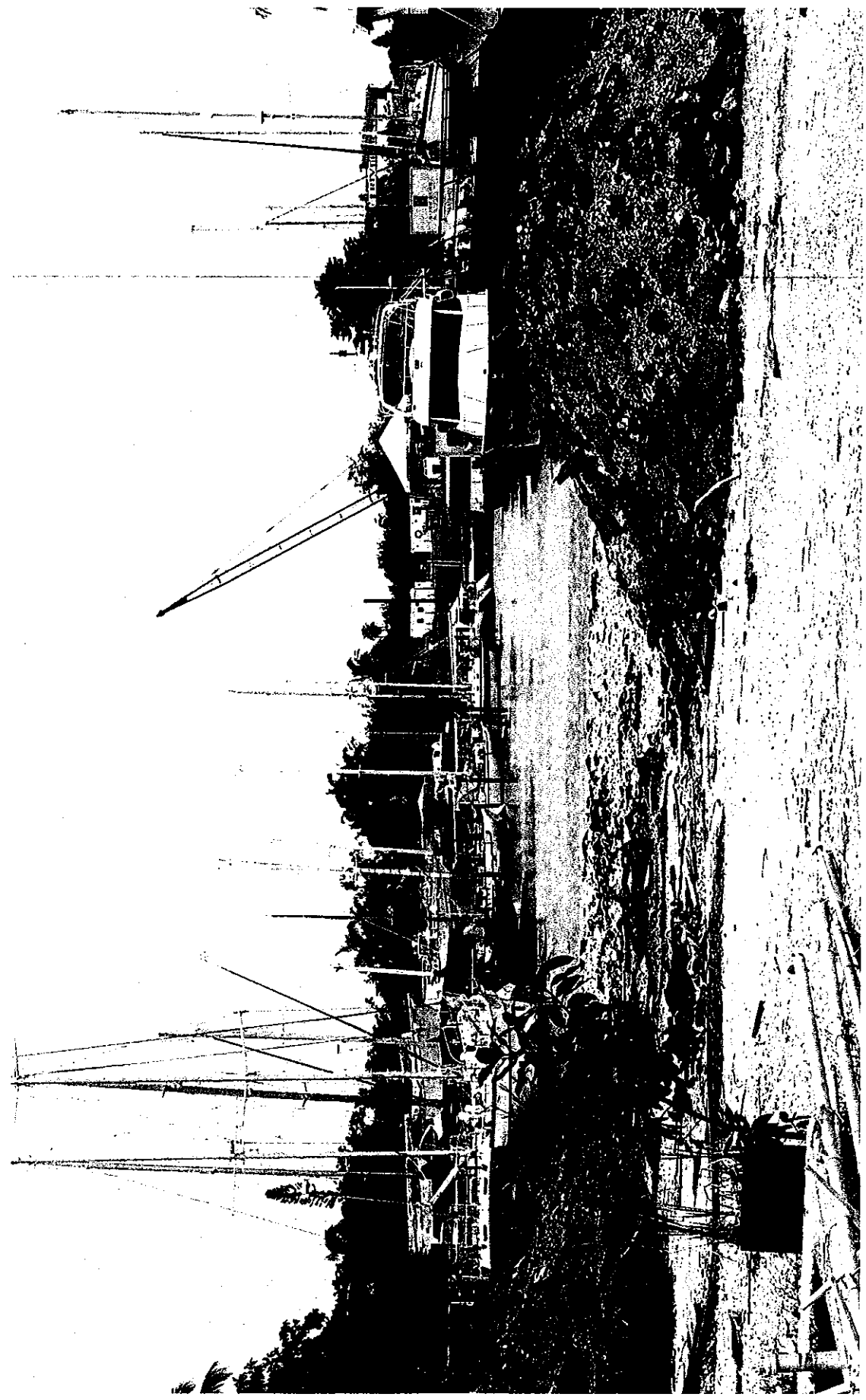
Site Photos

View South from Site



Site Photos

View South from Site





Site Photos

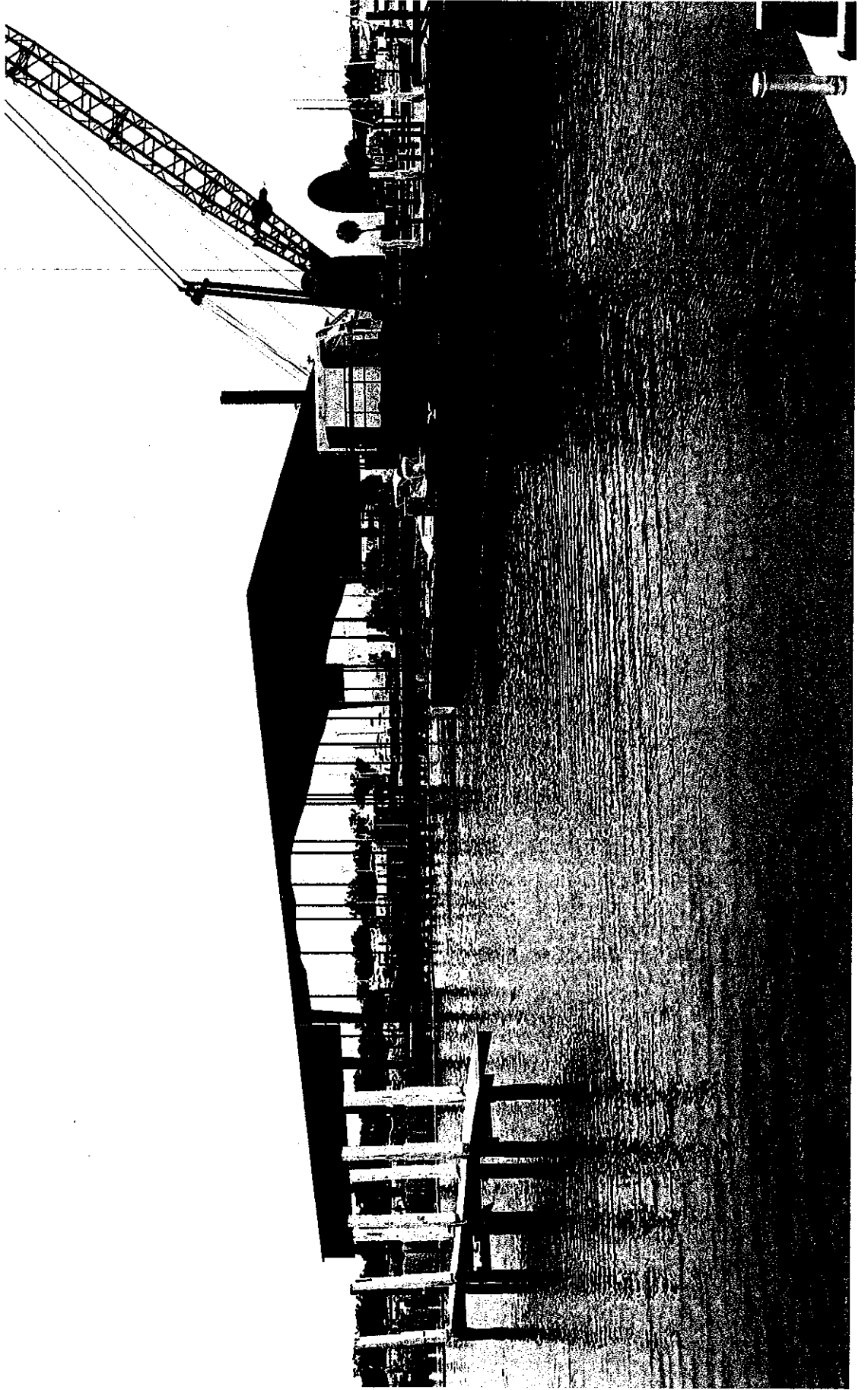
View South from Site





Site Photos

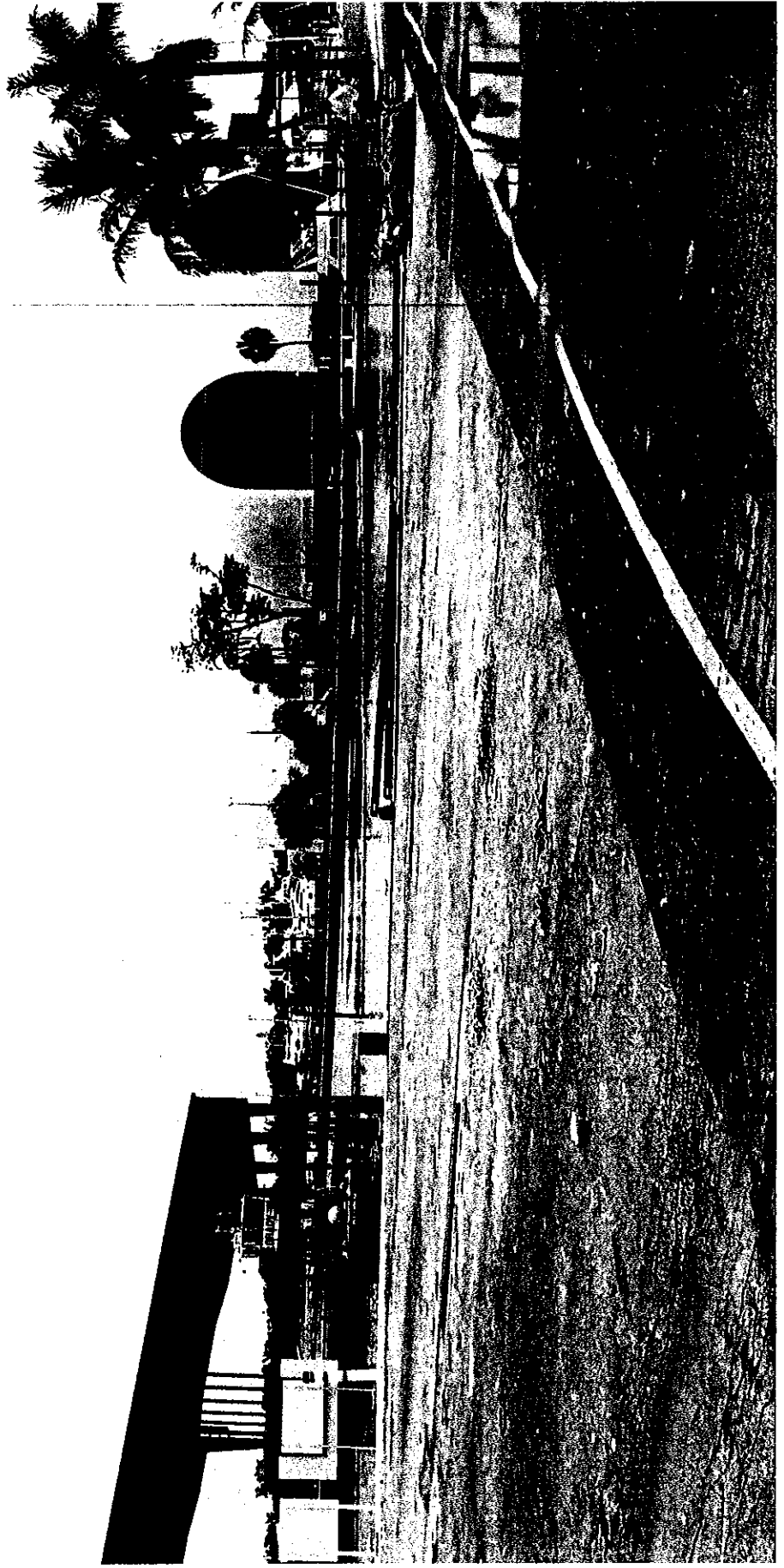
View South from Site





Site Photos

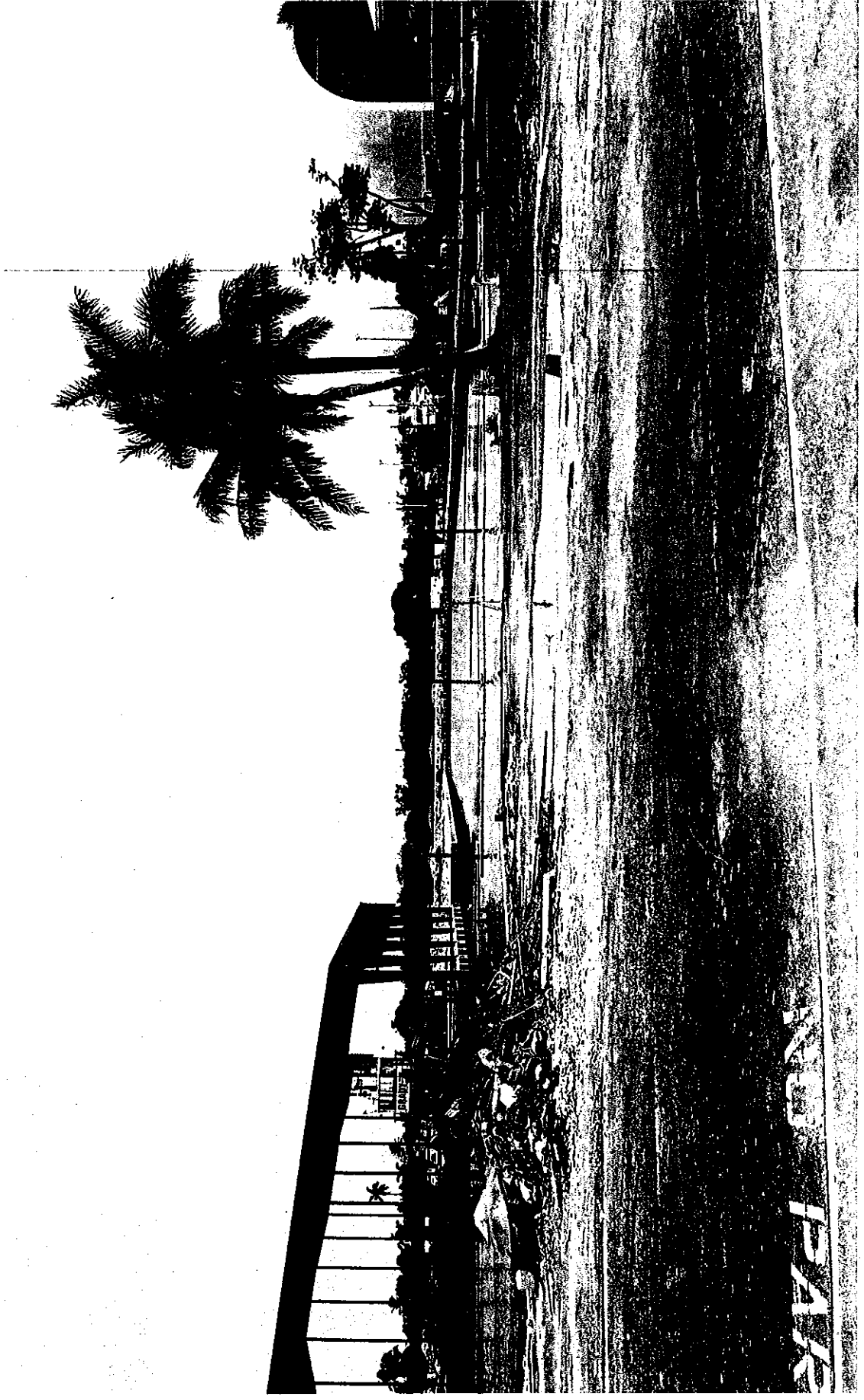
View South from Site





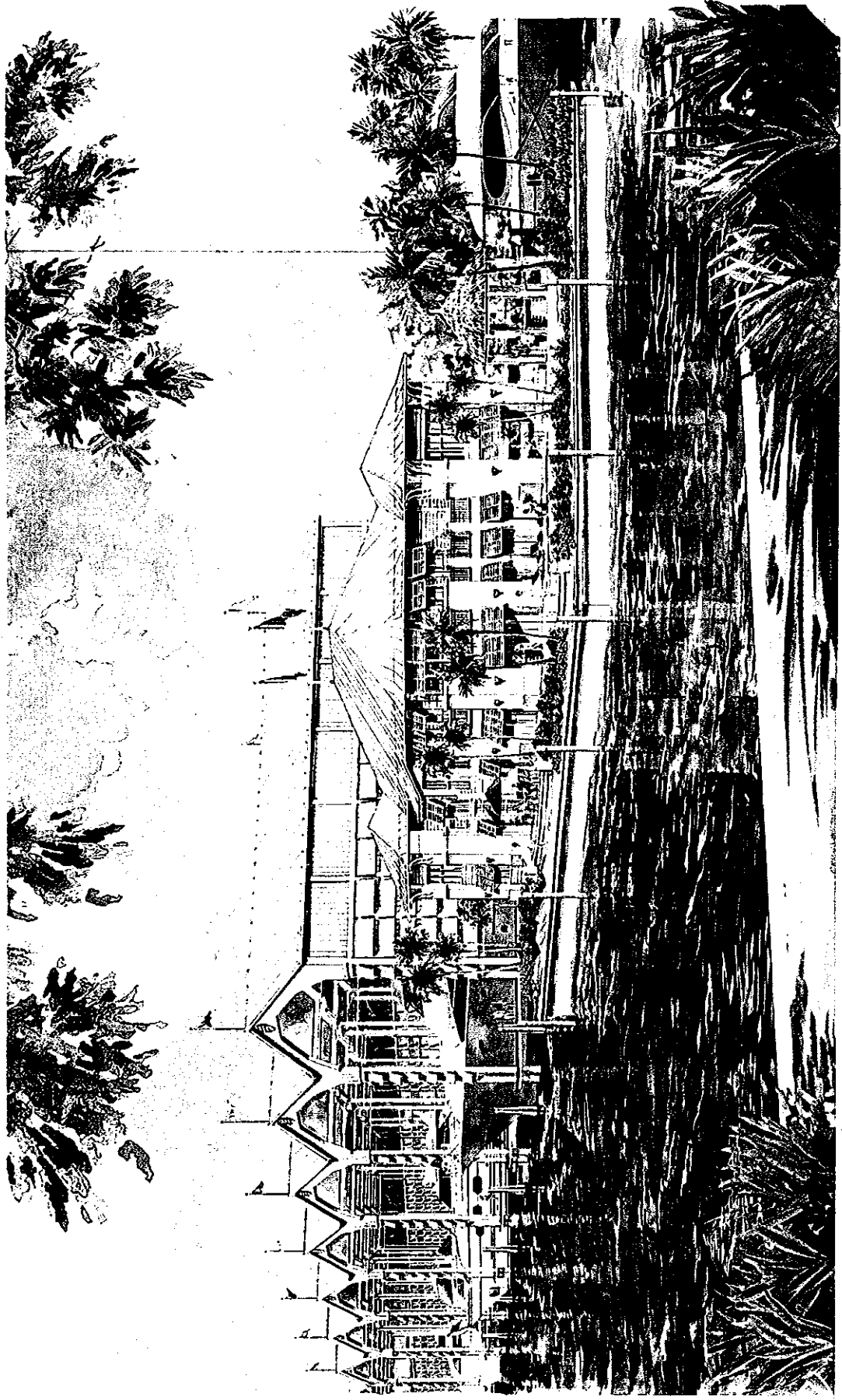
Site Photos

View South from Site



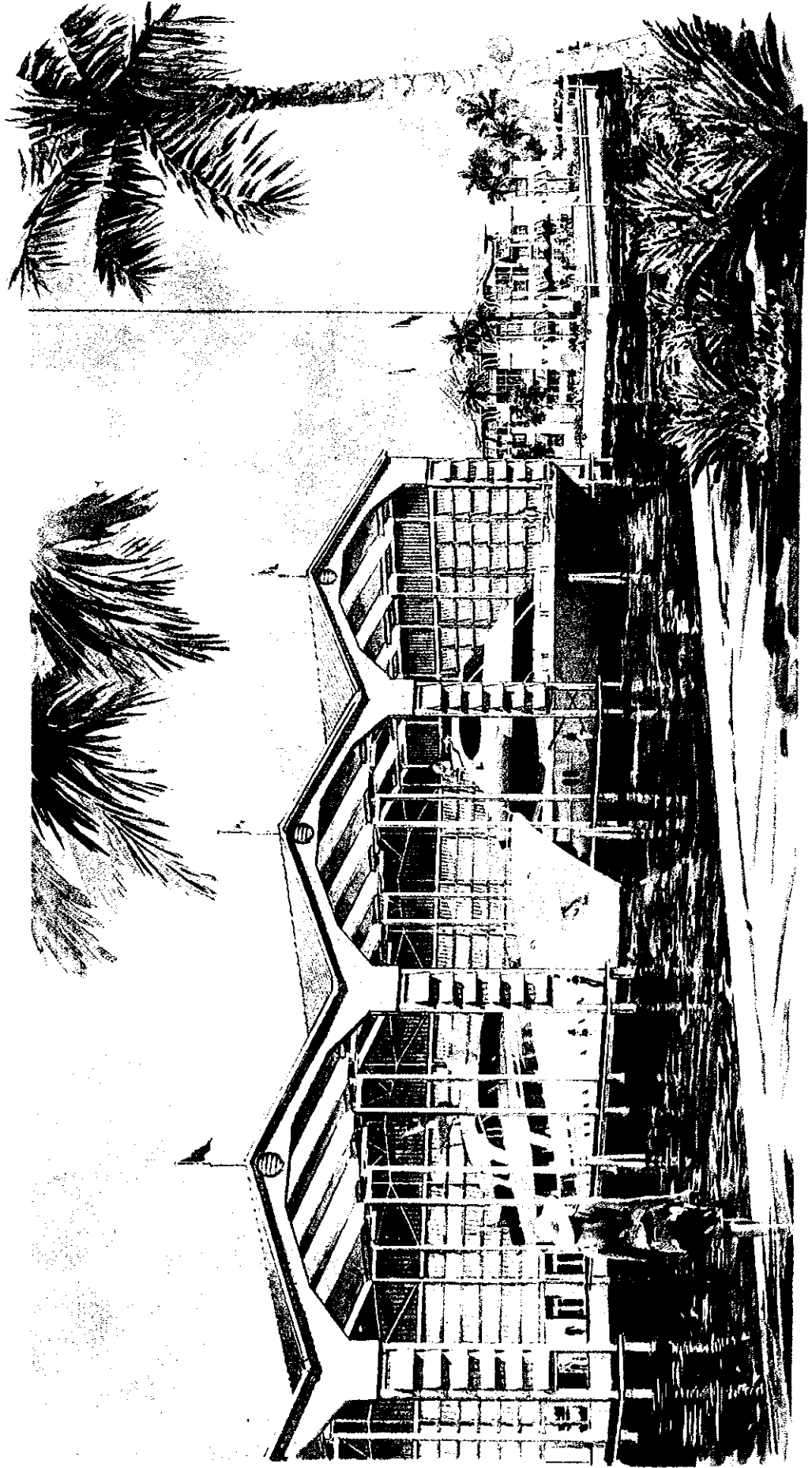


Rendering
South East View





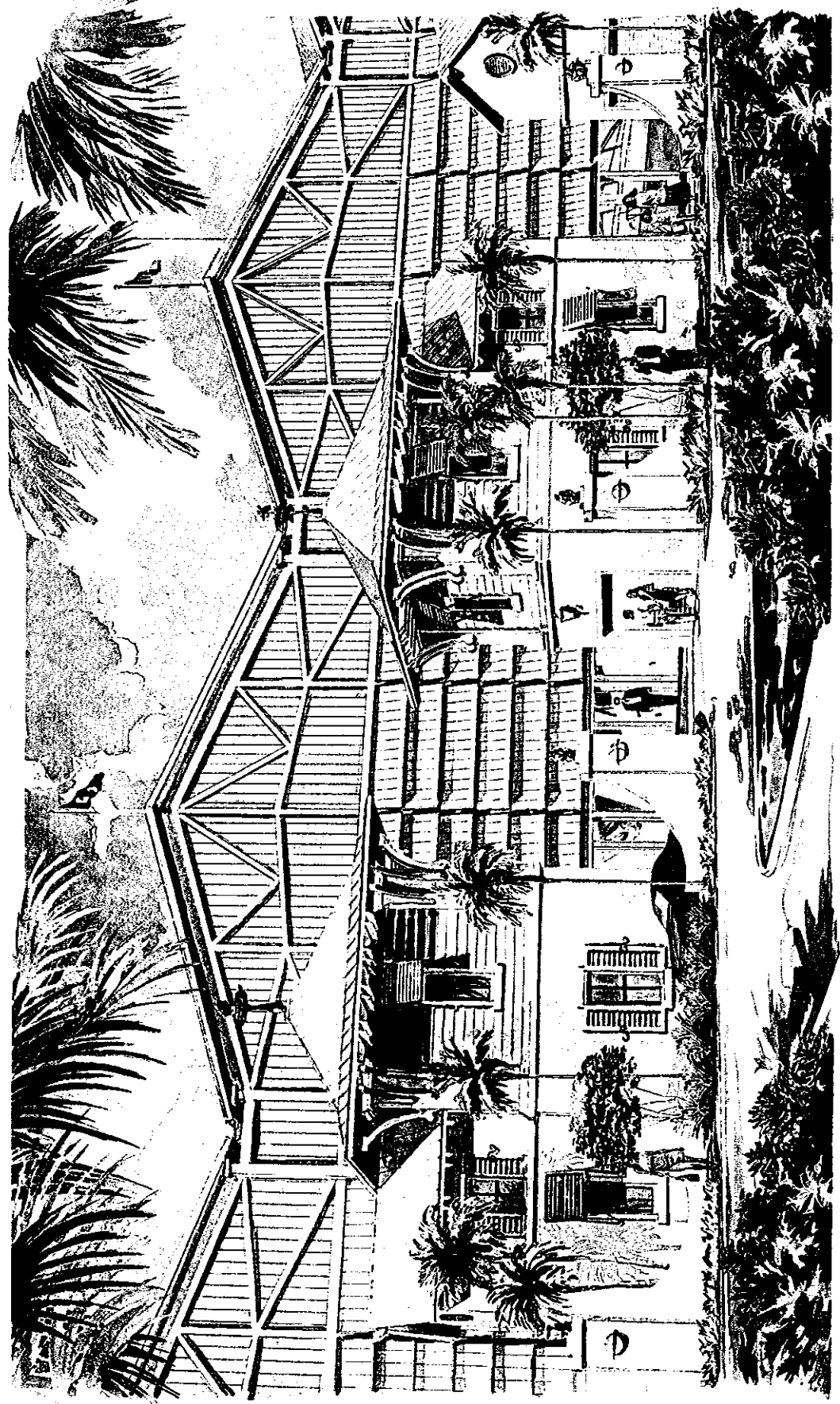
Rendering
South West View





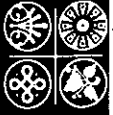
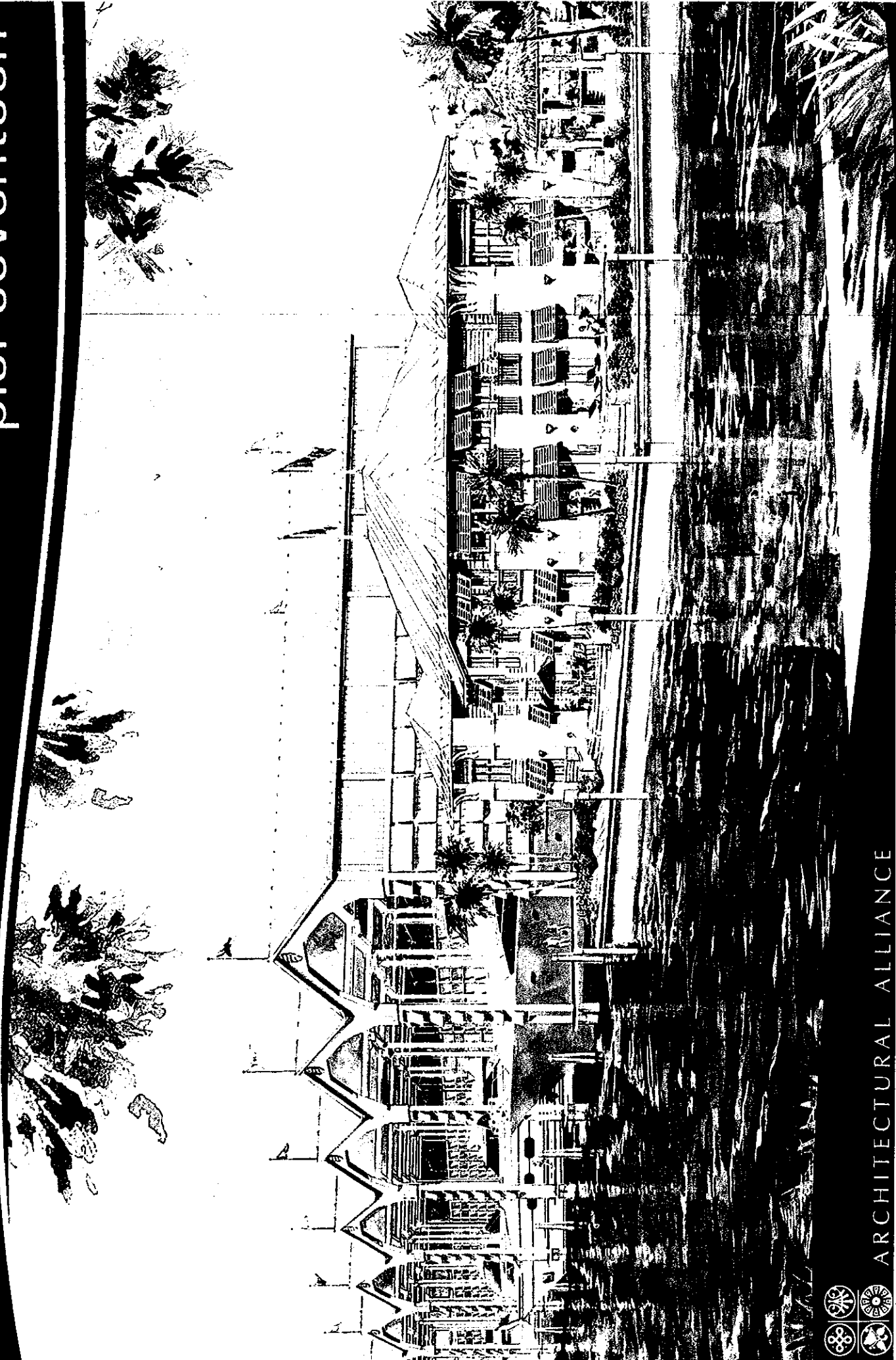
Rendering

North East View





pier seventeen



ARCHITECTURAL ALLIANCE