

MINUTE ITEM

This Calendar Item No. C14
was approved as Minute Item
No. 14 by the State Lands
Commission by a vote of 3
to 0 at its 3/1/95
meeting.

03/01/95
WP 7668 PRC 7668
Howe

CALENDAR ITEM
C14

A 13
S 3

MAINTENANCE DREDGING LEASE

APPLICANT:

Port of San Francisco
Ferry Building
San Francisco, California 94111

AREA, TYPE LAND AND LOCATION:

Granted minerals reserved sovereign lands in San Francisco Bay at the Port of San Francisco, City and County of San Francisco.

LAND USE:

Maintenance dredge a maximum of 878,000 cubic yards of material at the Port of San Francisco, to maintain a navigable depth. Dredged sediments will be disposed of at the United States Corps of Engineers approved Alcatraz Disposal Site (SF-11).

TERMS OF THE PROPOSED LEASE:

Lease period:
March 15, 1995 through November 1, 1996.

Royalty:

No royalty will be charged for aquatic disposal. A royalty of \$0.25 per cubic yard will be charged for spoils sold for commercial purposes.

PREREQUISITE CONDITIONS, FEES AND EXPENSES:

Filing and processing costs have been received.

STATUTORY AND OTHER REFERENCES:

- A. P.R.C.: Div. 6, Parts 1 and 2; Div. 13.
- B. Cal. Code Regs.: Title 3, Div. 3; Title 14, Div. 6.

AB 884:

N/A

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OTHER PERTINENT INFORMATION:

1. A Finding of No Significant Impact (FONSI) was prepared and adopted for this project by the U.S. Army Corps of Engineers (Permit # 20672S48). This authorization is conditioned upon the applicant's completion of all special conditions listed in the subject permit. Pursuant to 14 Cal. Code Regs. 15225, the staff recommends the use of the federal FONSI in place of a Negative Declaration. A copy of the COE permit is attached hereto as Exhibit "B".
2. This activity involves lands identified as possessing significant environmental values pursuant to P.R.C. 6370, et seq. Based upon the staff's consultation with the persons nominating such lands and through the CEQA/NEPA review process, it is the Staff's opinion that the project, as proposed, is consistent with its use classification.

APPROVALS OBTAINED:

United States Army Corps of Engineers.

FURTHER APPROVALS NEEDED:

SLC, Regional Water Quality Control Board, and the San Francisco Bay Conservation and Development Commission.

EXHIBITS:

- A. Site Maps
- B. USCOE Permit No. 20672S48

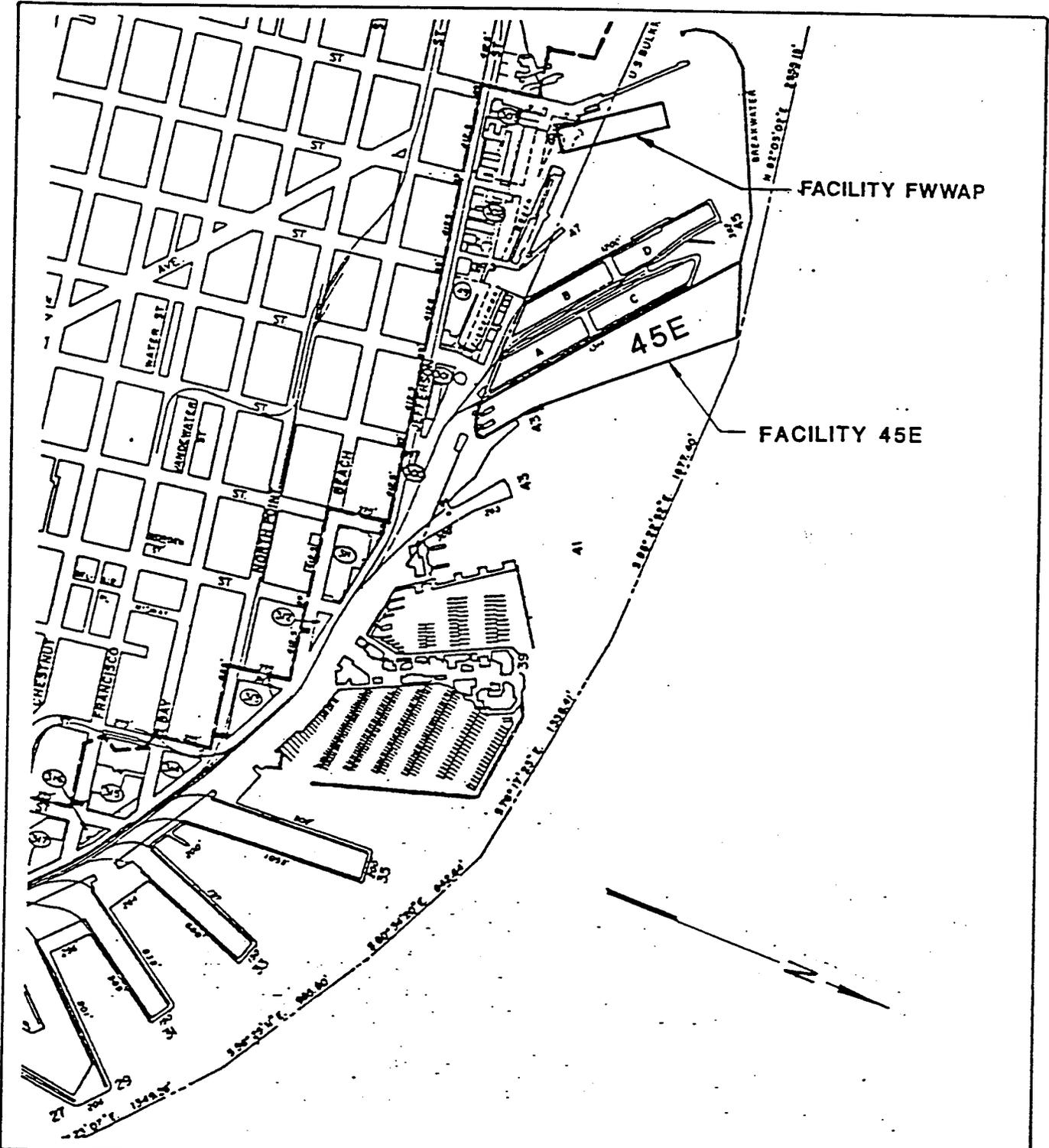
IT IS RECOMMENDED THAT THE COMMISSION:

1. FIND THAT A FINDING OF NO SIGNIFICANT IMPACT (FONSI) WAS PREPARED AND ADOPTED FOR THIS PROJECT BY THE U.S. ARMY CORPS OF ENGINEERS (PERMIT # 20672S48). THEREFORE, PURSUANT TO 14 CAL. CODE REGS. 15225, ADOPT SUCH FEDERAL DOCUMENT IN PLACE OF A NEGATIVE DECLARATION.
2. FIND THAT THIS ACTIVITY IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNATED FOR THE LAND PURSUANT TO P.R.C. 6370, ET SEQ.

CALENDAR ITEM NO. C14 (CONT'D)

3. AUTHORIZE ISSUANCE OF A DREDGING LEASE TO THE PORT OF SAN FRANCISCO EFFECTIVE MARCH 15, 1995, THROUGH NOVEMBER 1, 1996. SAID LEASE SHALL ALLOW DREDGING A MAXIMUM OF 878,000 CUBIC YARDS OF MATERIAL AT THE PORT OF SAN FRANCISCO, GRANTED MINERALS RESERVED LANDS IN SAN FRANCISCO BAY, CITY AND COUNTY OF SAN FRANCISCO, WITH DISPOSAL AT THE ALCATRAZ DISPOSAL SITE (SF-11), AS AUTHORIZED. SUCH PERMITTED ACTIVITY IS CONTINGENT UPON APPLICANT'S COMPLIANCE WITH APPLICABLE PERMITS, RECOMMENDATIONS, OR LIMITATIONS ISSUED BY FEDERAL, STATE AND LOCAL GOVERNMENTS.

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PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW
ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW



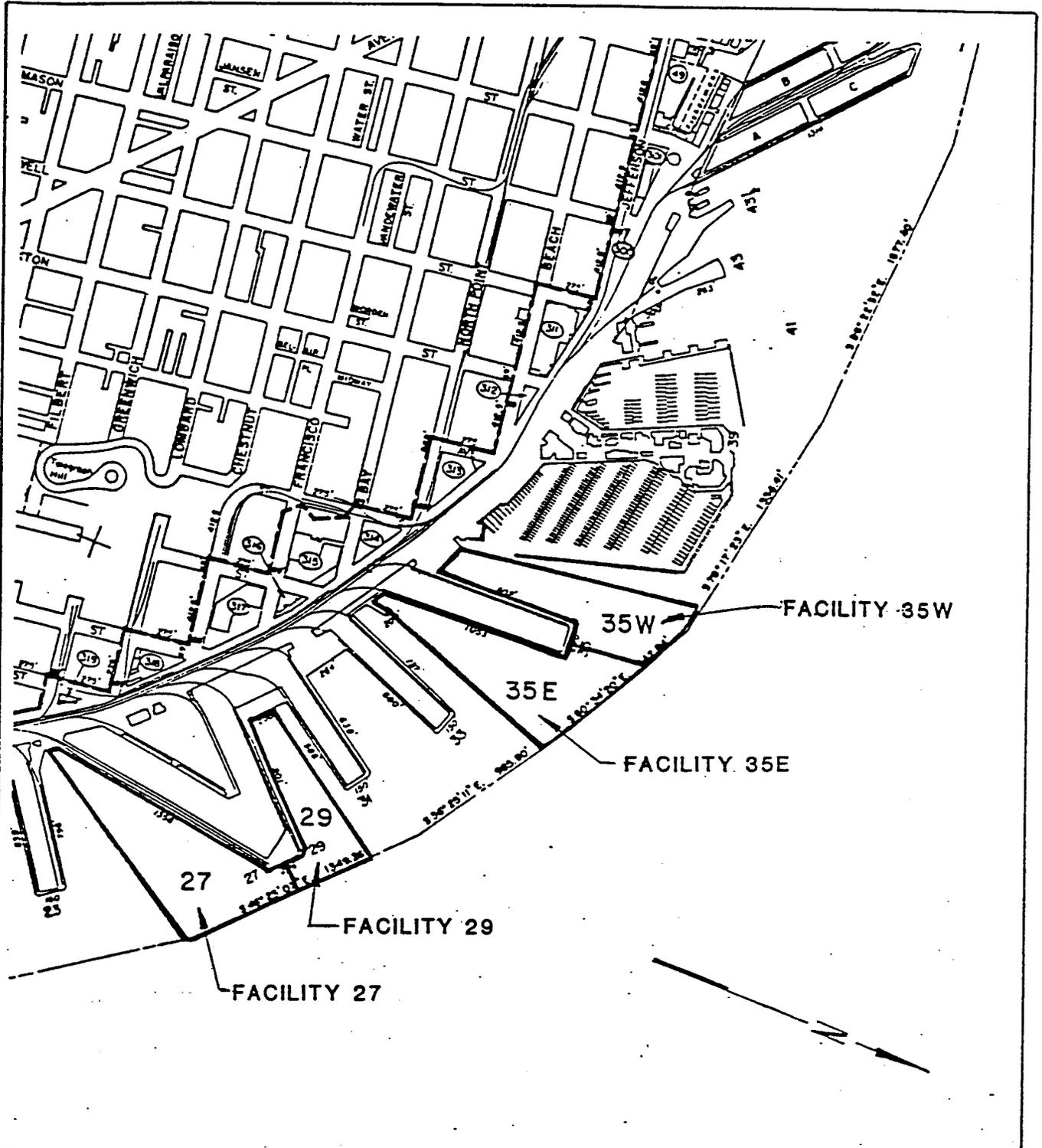
PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

**PROPOSED MAINTENANCE
DREDGING**

IN: SAN FRANCISCO BAY
AT: PIER
COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO

SHEET 1 OF 10 DATE 4/14/94

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PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW

ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW

Scale in Feet

400 0 400 800 1200

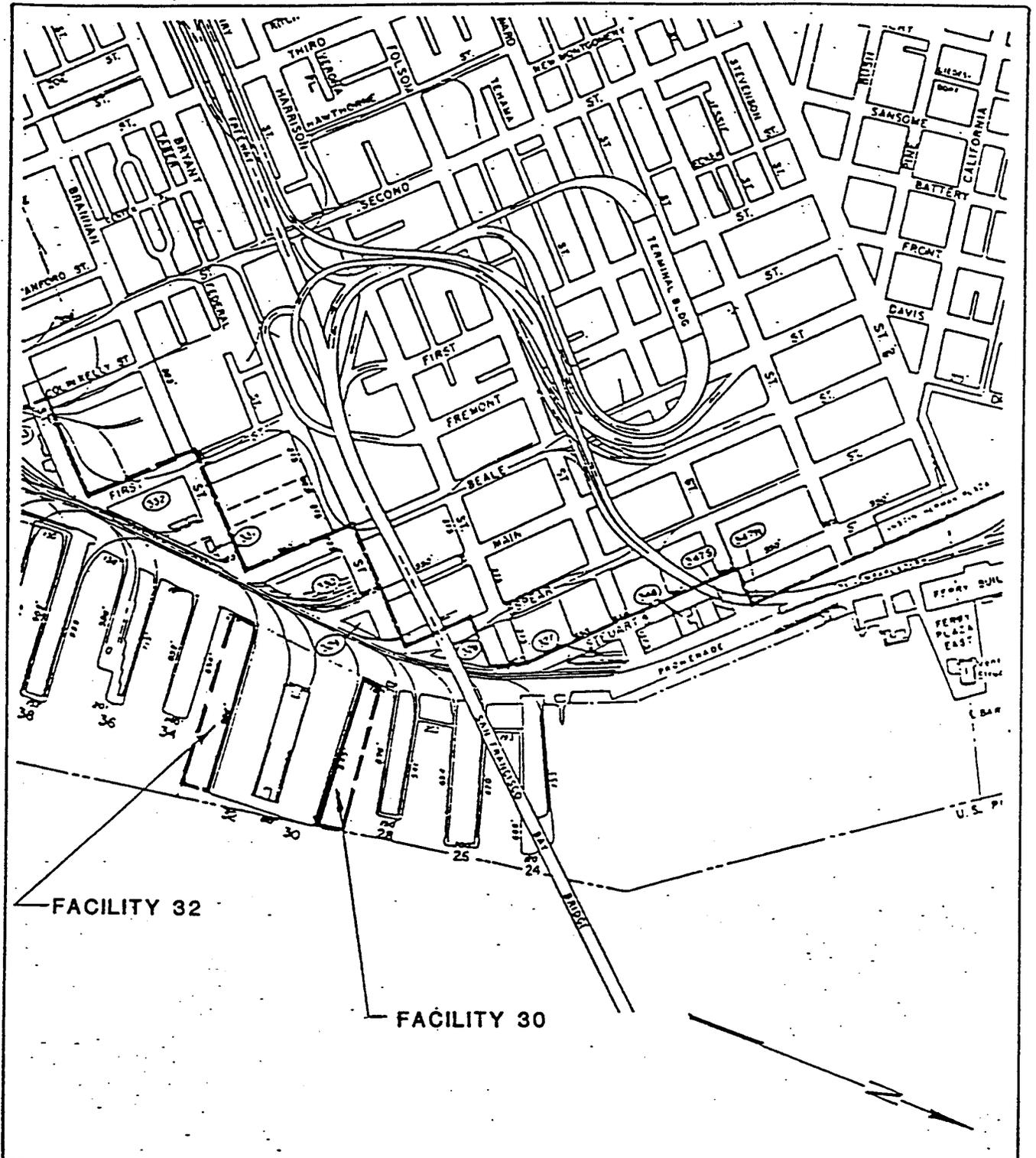
PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

**PROPOSED MAINTENANCE
DREDGING**

IN: SAN FRANCISCO BAY
AT: PIER
COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO
SHEET 2 OF 10 DATE 4/14/94
20672 S48

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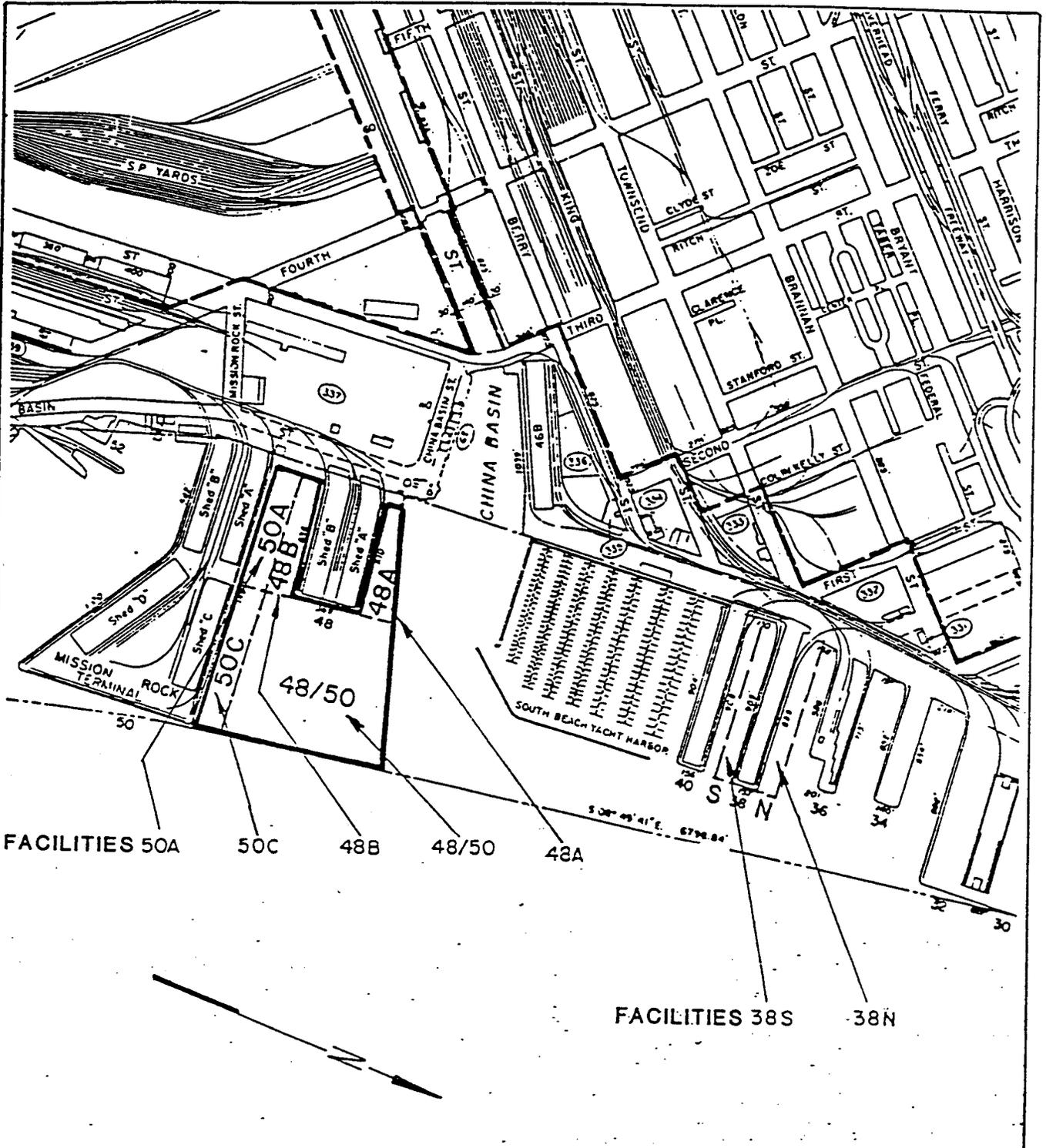
EXHIBIT A-3



<p>PURPOSE: MAINTENANCE DREDGING OF PIERSIDE BERTHING AREA.</p> <p>DATUM: MLLW</p> <p>ADJACENT PROPERTY OWNERS: I. STATE LANDS</p>	<p align="center">PLAN VIEW</p> <p align="center">Scale in Feet</p> <p align="center">400 0 400 800 1200</p> <hr/> <p>PORT OF SAN FRANCISCO FERRY BUILDING, SUITE 3100 SAN FRANCISCO, CA. 94111</p>	<p align="center">PROPOSED MAINTENANCE DREDGING</p> <p>IN: SAN FRANCISCO BAY AT: PIER 30, 32 COUNTY OF: SAN FRANCISCO STATE: CA. APPLICATION BY: PORT OF SAN FRANCISCO</p> <p>SHEET 3 OF 10 DATE 4/14/94 #2067108</p>
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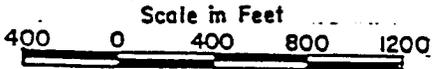
MINUTE PAGE 64.4



PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW
ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW



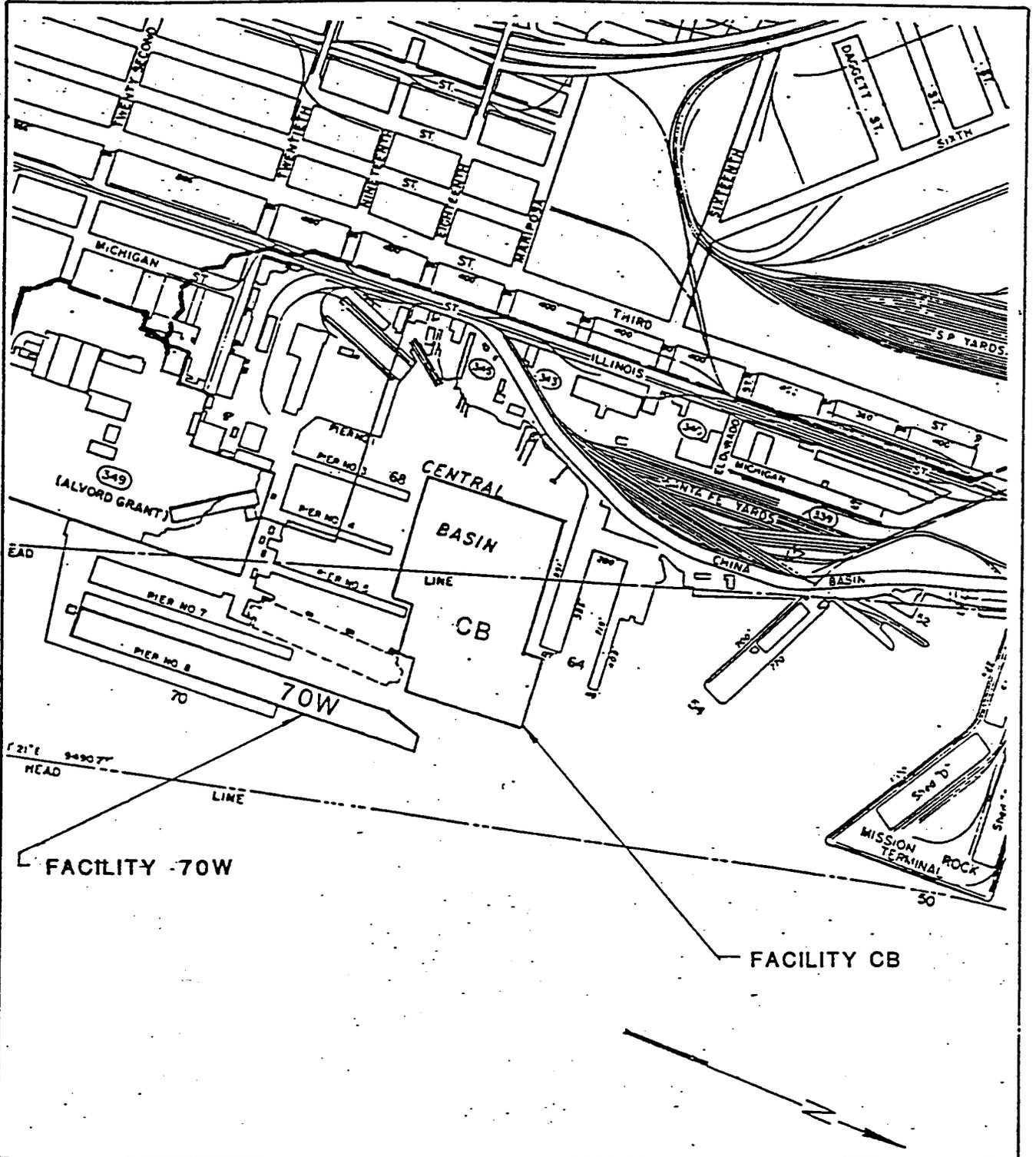
PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE
DREDGING.

IN: SAN FRANCISCO BAY
AT: PIER
COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO
SHEET 4 OF 10 DATE 4/14/94

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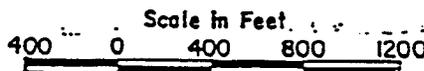
EXHIBIT A-5



PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW
ADJACENT PROPERTY OWNERS:
L STATE LANDS

PLAN VIEW



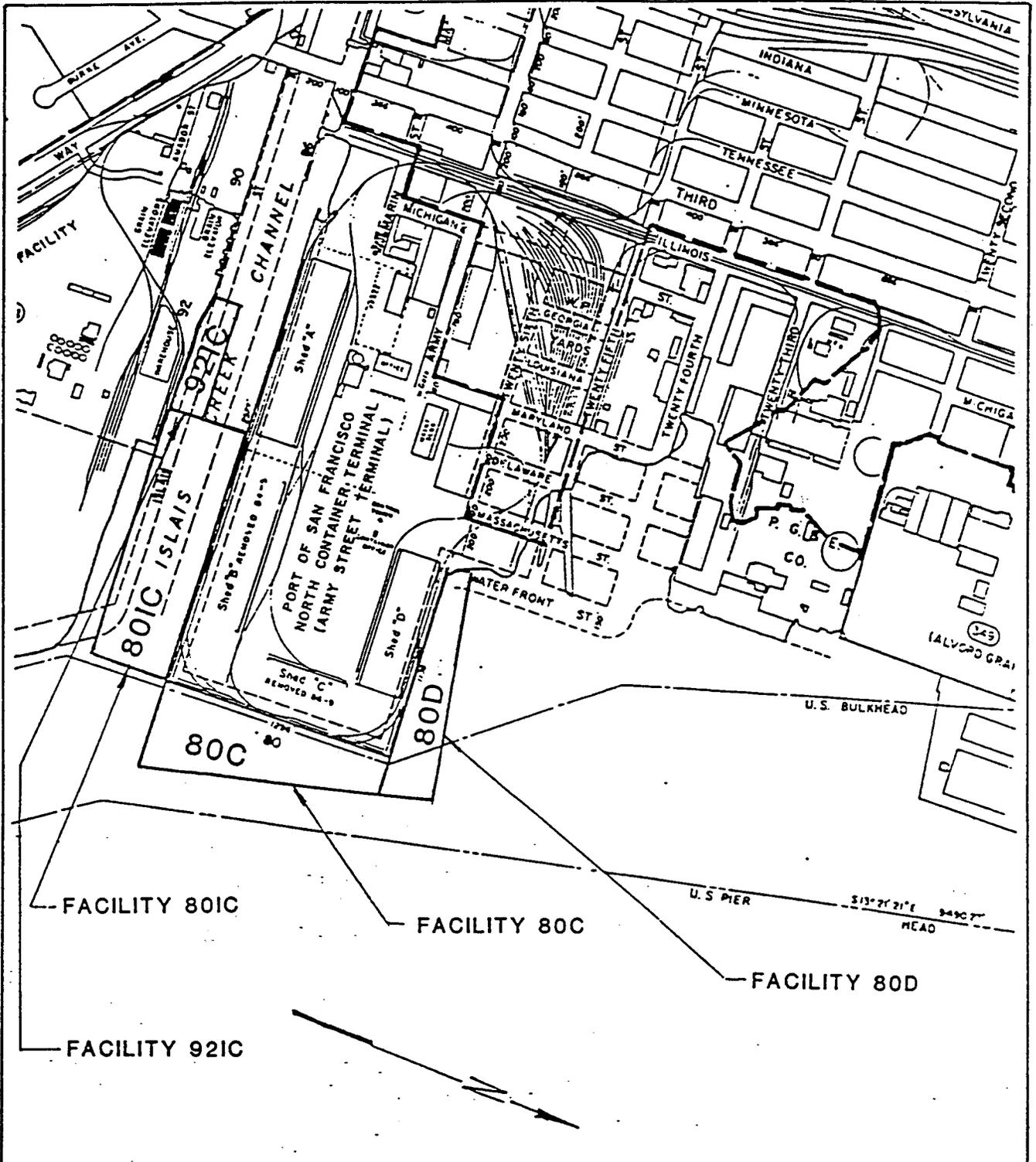
PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE
DREDGING

IN: SAN FRANCISCO BAY
AT: PIER 70, CENTRAL BASIN
COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO
SHEET 5 OF 10 DATE 4/14/94

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EXHIBIT A-6



PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW

ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW

Scale in Feet

400 0 400 800 1200

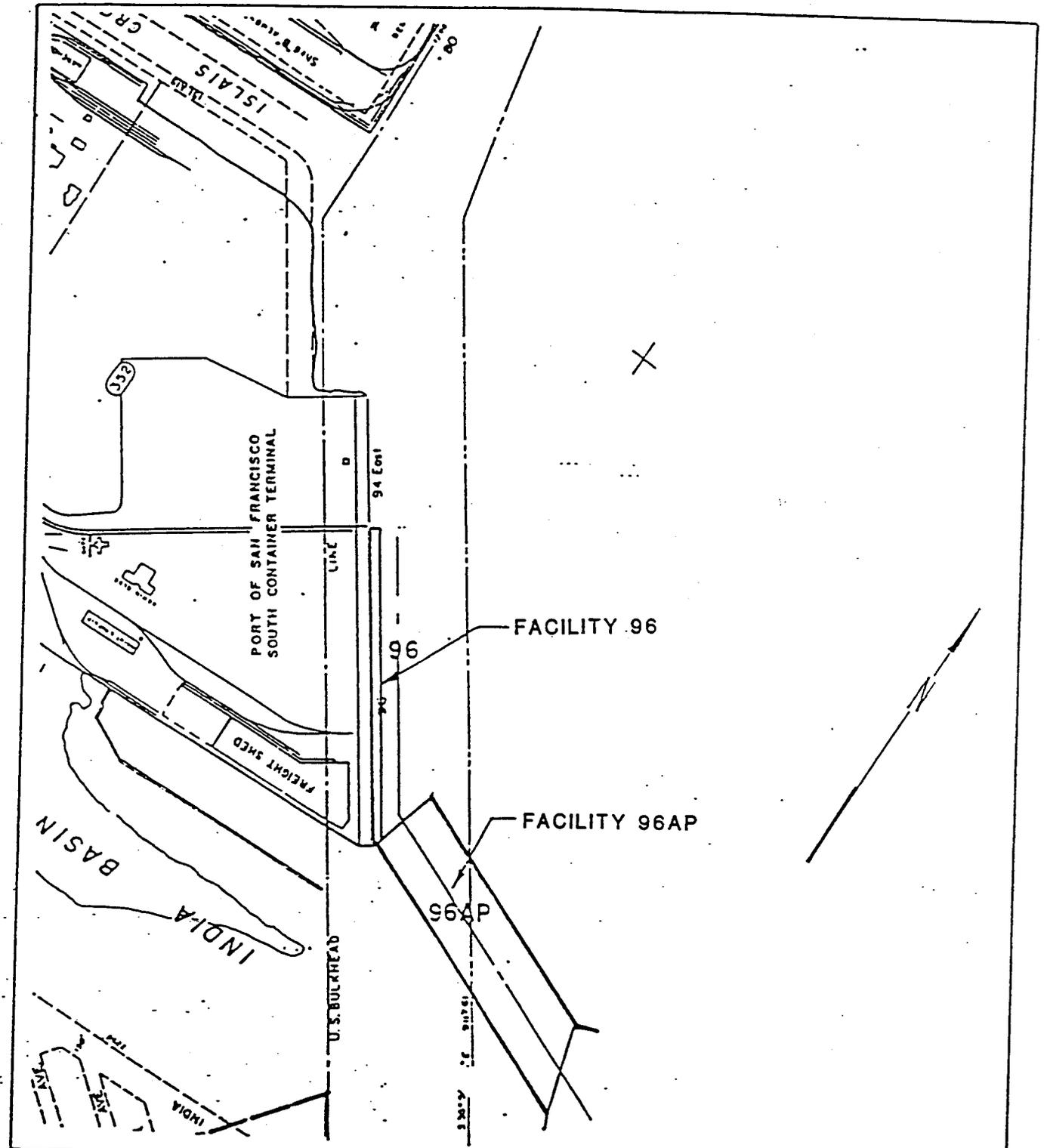
PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE
DREDGING

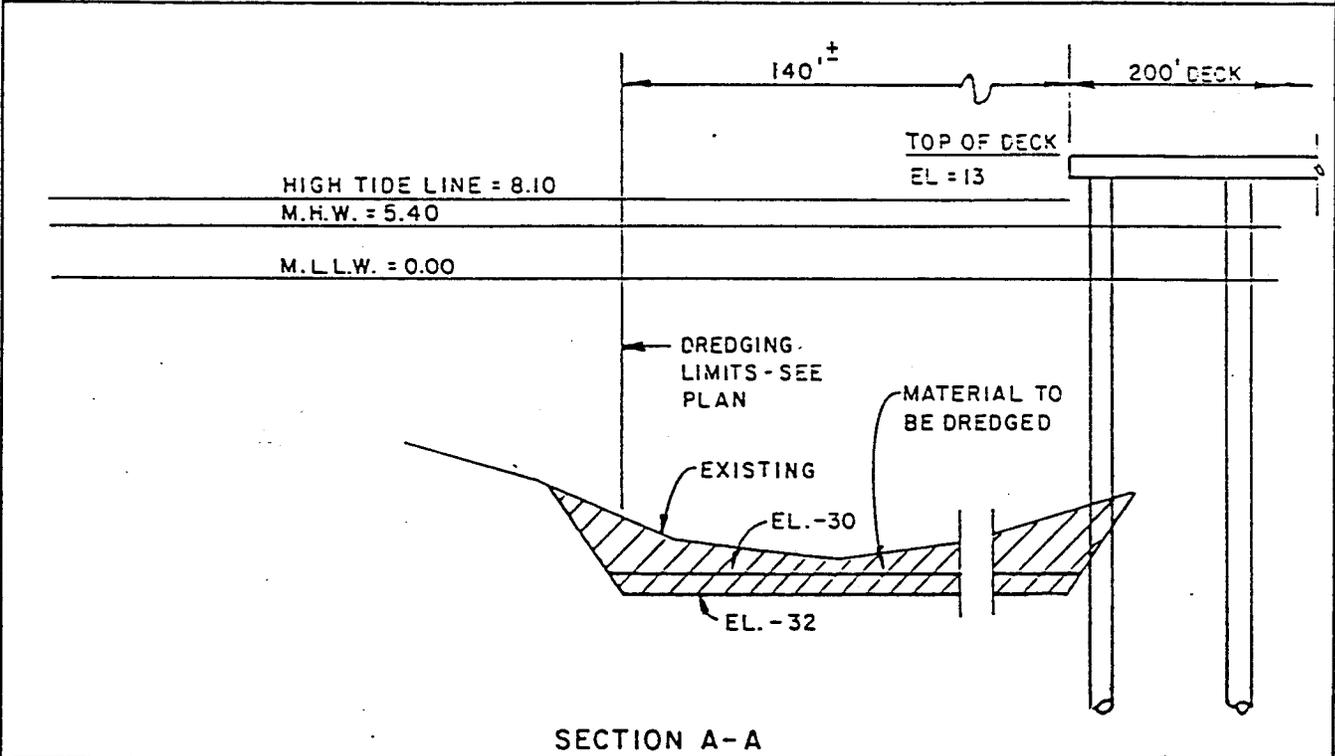
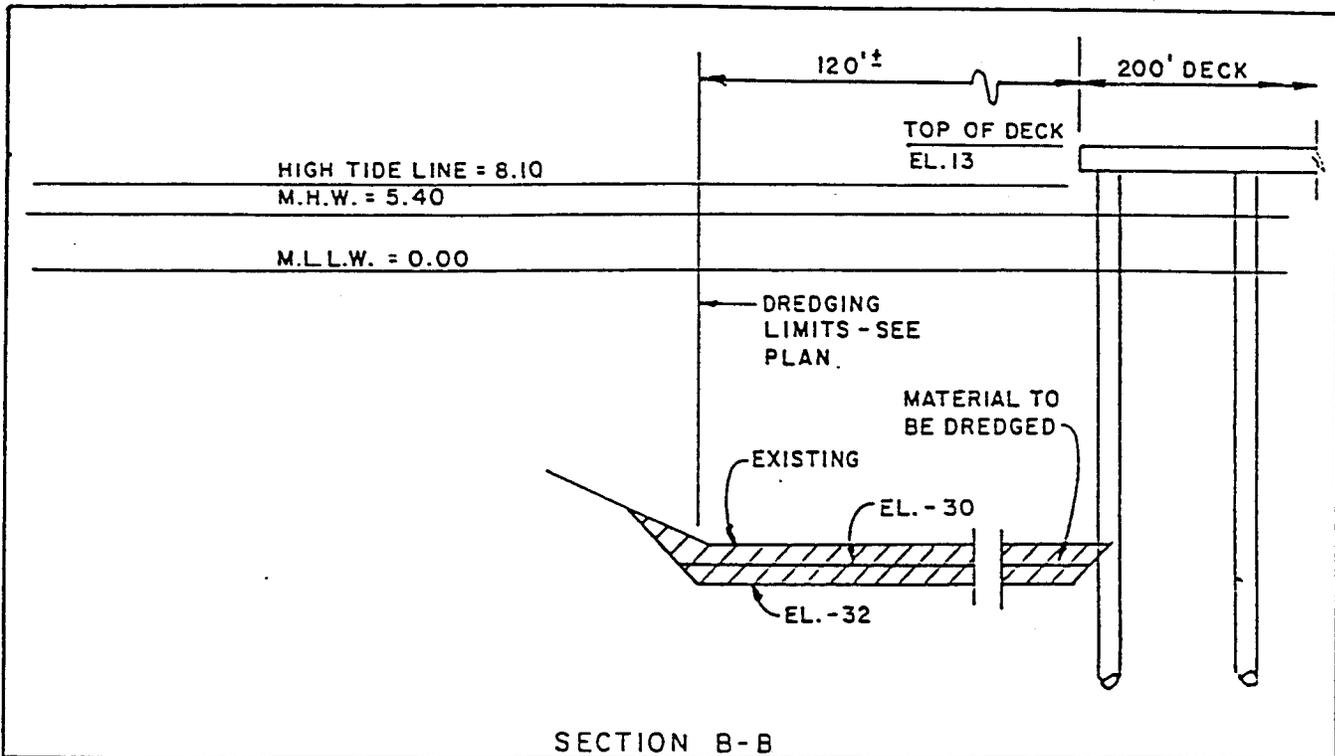
IN: SAN FRANCISCO BAY
AT: PIER 80, 92
COUNTY OF: SAN FRANCISCO STATE: CA.

APPLICATION BY: PORT OF SAN FRANCISCO
SHEET NO. 53
DATE: 12/94

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MINUTE PAGE



<p>PURPOSE: MAINTENANCE DREDGING OF PIERSIDE BERTHING AREA.</p> <p>DATUM: MLLW</p> <p>ADJACENT PROPERTY OWNERS: L. STATE LANDS</p>	<p>PLAN VIEW</p> <p>Scale in Feet</p> <p>400 0 400 800 1200</p> <p>PORT OF SAN FRANCISCO FERRY BUILDING, SUITE 3100 SAN FRANCISCO, CA. 94111</p>	<p>PROPOSED MAINTENANCE DREDGING</p> <p>IN: SAN FRANCISCO BAY AT: PIER 96</p> <p>COUNTY OF: SAN FRANCISCO STATE: CA. APPLICANT: PORT OF SAN FRANCISCO</p> <p>SHEET 8 OF 10 DATE 4/14/94 69 # 26672-548</p>
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PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW

ADJACENT PROPERTY OWNERS:
I. STATE LANDS

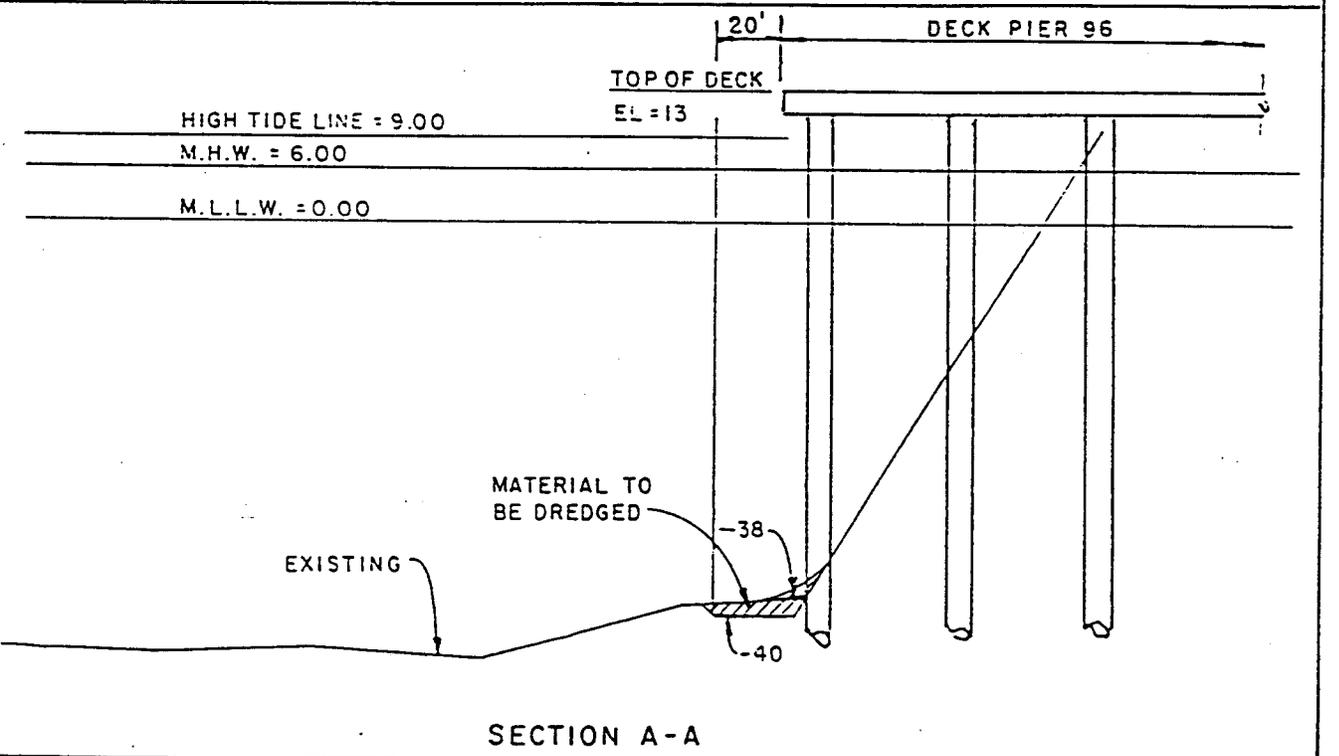
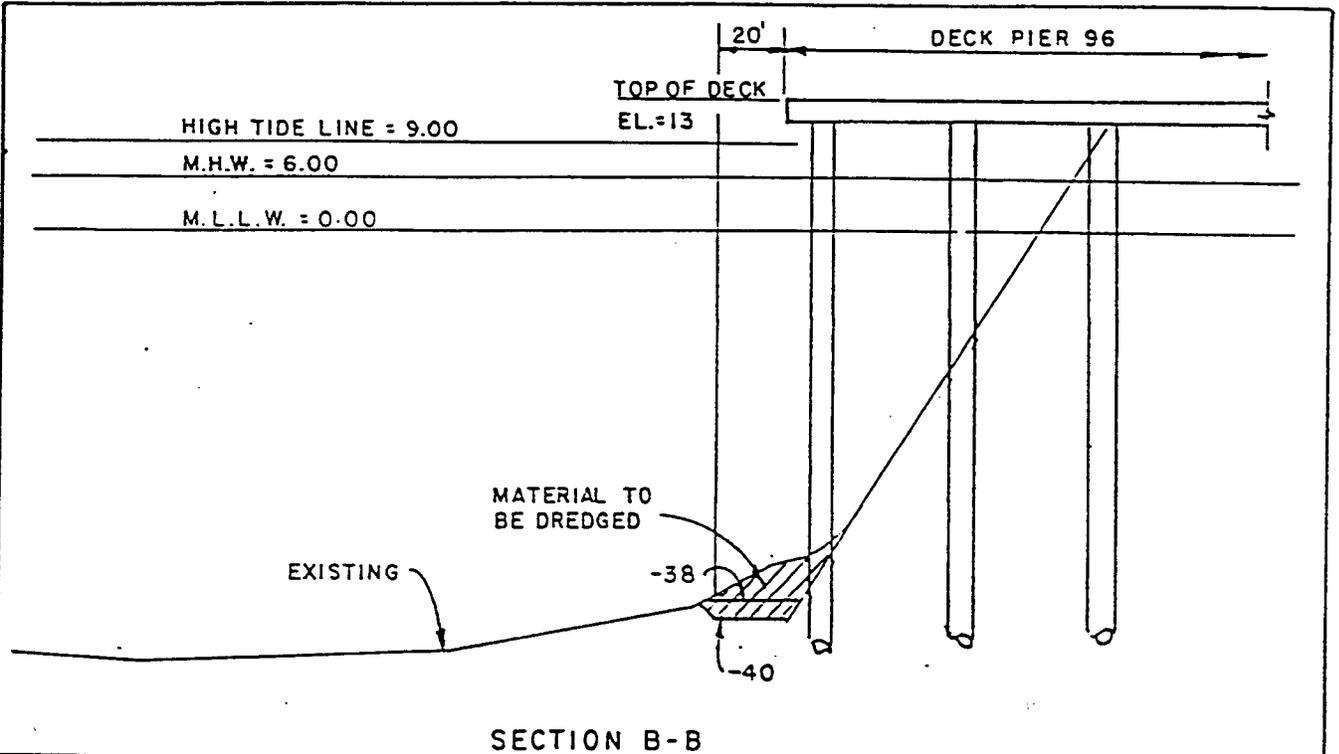
SECTION VIEWS
NOT TO SCALE.

PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE DREDGING
FISCAL YEAR 93-94 EPISODE I.

IN: SAN FRANCISCO BAY
AT: PIER 35 WEST

COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICABLE MAP PAGE SAN FRANCISCO
SHEET 9 OF 10 DATE 4/14/94 70
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PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW

ADJACENT PROPERTY OWNERS:
I. STATE LANDS

SECTION VIEWS
NOT TO SCALE

PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE DREDGING
FISCAL YEAR 93-94 EPISODE I.

IN: SAN FRANCISCO BAY
AT: PIER 96

COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO
SHEET 10 OF 10 DATE 4/14/94

DEPARTMENT OF THE ARMY PERMIT

Permittee San Francisco Port CommissionPermit No. 20672S48Issuing Office San Francisco District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: You are hereby authorized to perform maintenance dredging of Port of San Francisco facilities, dredging a maximum of 878,000 cubic yards over a thirty month period, as shown in attached Exhibit B (Ver. 4/15/94), and on the attached drawings: "PROPOSED MAINTENANCE DREDGING, IN: SAN FRANCISCO BAY, COUNTY OF SAN FRANCISCO, STATE: CA, APPLICATION BY PORT OF SAN FRANCISCO". IN ten (10) sheets dated 4/15/93.

Project Location: San Francisco, City and County, California

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on November 1, 1996. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions: Please see page 2A, 2B, and 2C for Special Conditions to Permit No. 20672S48

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

(X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

() Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

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e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

State of California
 County of San Francisco }

On 4-29-94 before me, Renee L. Jones, Notary Public
 (DATE) (NAME, TITLE OF OFFICER - I.E., "JANE DOE, NOTARY PUBLIC")

personally appeared Cliff Jordan
 (NAME(S) OF SIGNER(S))

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal.

OFFICIAL SEAL
 RENE L JONES
 Notary Public - California
 SAN FRANCISCO COUNTY
 My Commission Expires
 October 21, 1994

(SEAL) (SIGNATURE OF NOTARY)

RIGHT THUMBPRINT (OPTIONAL)

TOP OF THUMB HERE

CAPACITY CLAIMED BY SIGNER(S)
 INDIVIDUAL(S)
 CORPORATE _____
 OFFICER(S) _____ (TITLE(S))
 PARTNER(S)
 ATTORNEY IN FACT
 TRUSTEE(S)
 GUARDIAN/CONSERVATOR
 OTHER: Chief Engineer

SIGNER IS REPRESENTING:
 (NAME OF PERSON(S) OR ENTITY(IES))
Port of San Francisco

ATTENTION NOTARY: The information requested below is OPTIONAL. It could, however, prevent fraudulent attachment of this certificate to any unauthorized document.

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT:

Title or Type of Document Department of Army Permit Extension
 Number of Pages 10 Date of Document _____
 Signer(s) Other Than Named Above _____

LEONARD E. CARDOZA (DISTRICT ENGINEER) _____ (DATE)
 L.T.C., EN

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

 (TRANSFEREE) (DATE)

Special Conditions for Maintenance Dredging
Port of San Francisco
Permit # 20672 S48

1. To provide notification to the maritime community of activities affecting navigation, the permittee shall provide in writing to the Commander (OAN), Eleventh Coast Guard District, 400 Oceangate Boulevard, Long Beach, California 90822-5399, the following information at least two weeks before commencing work:
 - a. Name and telephone number of the project manager.
 - b. Size and placement of any floating construction equipment.
 - c. Radio telephone frequencies and call signs of any marine equipment.
 - d. Work start and completion dates.
2. The Coast Guard Captain of the Port (COTP) of San Francisco Bay may require modifications to marine construction equipment deployment or mooring systems to safeguard navigation while work is in progress. Upon receipt of the notification to start, the Coast Guard will send a copy of the permittee's letter to the COTP for review.
3. All vessels operated for disposal of dredged material are required to participate in the Coast Guard's Vessel Traffic Control Service (VTCS). Five minutes before each departure, the permittee shall notify the VTCS by radio, via Channel 13, of the following: The permit number; name of vessel; dump scow number or identification; time of departure from dredge site; time of arrival at disposal site; time of departure from disposal site; and time of return to dredge site.
4. When utilizing the Alcatraz Disposal Site (SF-11), the permittee shall dispose of all dredged material within a circular area of radius 1000 feet with center located at latitude 37 49'17"N; longitude 122 25'23"W. The specific location within the disposal area will be determined by the District Engineer upon receipt of the Dredging Operation Plan. The permittee shall not dispose of material above -60 feet MLLW.
5. The permittee shall submit to Chief, Construction-Operations Division, Attn: Regulatory Branch, U.S. Army Corps of Engineers, 211 Main Street, San Francisco, California 94105-1905, the following reports for review and comment:
 - a. **Dredging Operation Plan:** Submit no earlier than 60 calendar days and no later than 20 calendar days before commencement of dredging, a plan which includes the following: a copy of the dredging contract or description of work under which the contractor will do the permitted work; name and telephone numbers of the dredging contractor's representative on site; dredging start and completion dates; names of vessel; dump scow numbers or identification; bin or barge capacities; identification of work as either maintenance dredging or new dredging; discussion of proposed dredging procedures, as governed under Special Condition No. 6, with detailed drawings or specifications of the grid or centrifugal pump system; quantity of material to be removed; dredging design depth and typical cross section including overdepth; and date of last dredging episode and design depth. The dredging Operational Plan shall also provide the following information:
 - 1) The controls being established to insure that dredging operations do not affect the channel dimensions and typical channel section.

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Special Conditions for Maintenance Dredging
Port of San Francisco
Permit # 20672 S48

- 2) The controls being established to insure that disposal of the dredged material at the disposal site is at the assigned location and depth.
- 3) A certified displacement (ullage) charge for each scow being used for the dredging operation.
- 4) Method of determining electronic positioning of dredge or dump scow during entire dredging operation at dredge site, disposal site and enroute to and from disposal site.

b. **Before Dredging Survey:** Submit no earlier than 60 calendar days and no later than 20 calendar days before commencement of dredging, a survey with accuracy to one-tenth foot which delineates the following: areas to be dredged with overdepth allowances; existing depths; estimated quantities to be dredged for the project; and estimated quantities for overdepth. All surveys shall be accomplished by a licensed surveyor and signed by the permittee to certify their accuracy.

c. **Post Dredging Survey:** Submit, within 15 days of the last disposal activity (last is defined as that activity after which no further activity occurs for 15 calendar days), a survey with accuracy to one-tenth foot which delineates the following: areas dredged; dredged depths; actual quantities dredged for the project; and actual quantities for overdepth. The permittee shall substantiate the total quantity dredged by including calculations used to determine the volume difference (in cubic yards) between the Before and Post Dredging Surveys and explain any variation in quantities greater than 15% beyond the estimated quantities. All surveys shall be signed by the permittee to certify their accuracy.

d. **Disposal Site Verification Log (DSVL):** Submit on a weekly basis by noon Monday, the attached log (pages 1 & 2) which enumerates work accomplished during the preceding week to Corps of Engineers, Regulatory Branch at the above address or FAX # (415) 744-3320, Attn: Tom McDonnell. The VTCS will issue a confirmation number to be included in the weekly log.

e. **Solid Debris Management Plan:** Submit no earlier than 60 calendar days and no later than 120 calendar days before commencement of work, a plan which describes measures to ensure that solid debris generated during any authorized demolition or construction operation is retained and properly disposed of in areas not under Corps jurisdiction. At a minimum, the plan shall include the following: source and expected type of debris; debris retrieval method; disposal method and site; schedule of disposal operations; and debris containment method to be used, if floatable debris is involved.

6. The permittee shall ensure that all dredged material is slurred prior to disposal to prevent any accumulation or build up of material at the disposal site. All dredged material shall be slurred in the following manner:

- a. Dredged material will be either pumped with a centrifugal pump prior to leaving the dredge site for the disposal site; or, if the material is clamshell dredged, passed through a debris grid, with a maximum opening size of 12 inches by 12 inches which will cover the

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Special Conditions for Maintenance Dredging
Port of San Francisco
Permit # 20672 S48

entire loading area of the dump scow. Everything that does not pass through the grid will be considered solid debris and shall be disposed of in areas outside of Corps jurisdiction. All such material shall be promptly removed from the grid at the end of each 8 hour shift or sooner.

7. The permittee, as directed by the District Engineer under authority pursuant to the policies and procedures of 33 CFR 325.7, may be required to modify disposal schedules and/or monthly disposal quantities for particular dredging episodes.
8. The permittee shall allow the dredging area and equipment to be inspected by Corps staff upon request.
9. For each dredging episode, the permittee shall be responsible for obtaining a letter of water quality certification or waiver from the Regional Water Quality Control Board (RWQCB) and authorization from the Bay Conservation and Development Commission (BCDC). Water quality certification and BCDC authorization will be a prerequisite to the District Engineer's decision to approve or disapprove specific dredging episodes pursuant to the policies and procedures of 33 CFR 325.2(b)(1)(ii) and 325.2(b)(2)(ii).
10. For each dredging episode, the permittee shall solicit the comments of the District Engineer in formulating specific sediment testing procedures for the Dredge Material Analysis required by Special Condition No. 5a. The testing protocol will be in accordance with Interim Testing Guidelines of Dredged Material Disposal at San Francisco Bay Sites (Public Notice 92-5, and subsequent amendments thereto, or other protocols which may be adopted by the Long Term Management Strategy (LTMS) Program during the five year permit period.
11. For each dredging episode, the permittee shall provide a copy of the Dredge Material Analysis to the Environmental Protection Agency, U.S. Fish and Wildlife Service, National Marine Fisheries Service, and California Department of Fish and Game concurrent with the RWQCB and Corps' receipt of this information. Agency comments submitted to the Corps within 15 calendar days thereafter will be given full consideration in the decision on dredged material disposal.
12. If a land, ocean, or other aquatic disposal site becomes available for use during the five year permit period, the permittee shall evaluate these disposal alternatives, taking into consideration cost, existing technology, and logistics in light of the overall project purpose to facilitate compliance with the 404(b)(1) Guidelines. This evaluation shall be submitted to the Corps at least 60 calendar days before commencement of subsequent dredging episodes. The District Engineer, upon review of this information and after consultation with other resource agencies, may direct the permittee to use such sites in lieu of or in addition to the Alcatraz Strait Disposal Site under authority of 33 CFR 325.7 and 40 CFR 230.10(a).
13. The permittee shall send a post-dredge survey to the National Ocean Service for chart updating: Director, Charting and Geodetic Services, Attention: N/CG2211, National Ocean Service, NOAA, Rockville MD 20852-3806.
14. No dredging shall take place during Pacific herring spawning season.

for December 1 to March 1.	
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PORT OF SAN FRANCISCO 30 MONTH MAINTENANCE DREDGING PLAN (5/94 - 11/96)

(Ver. 4/15/94)

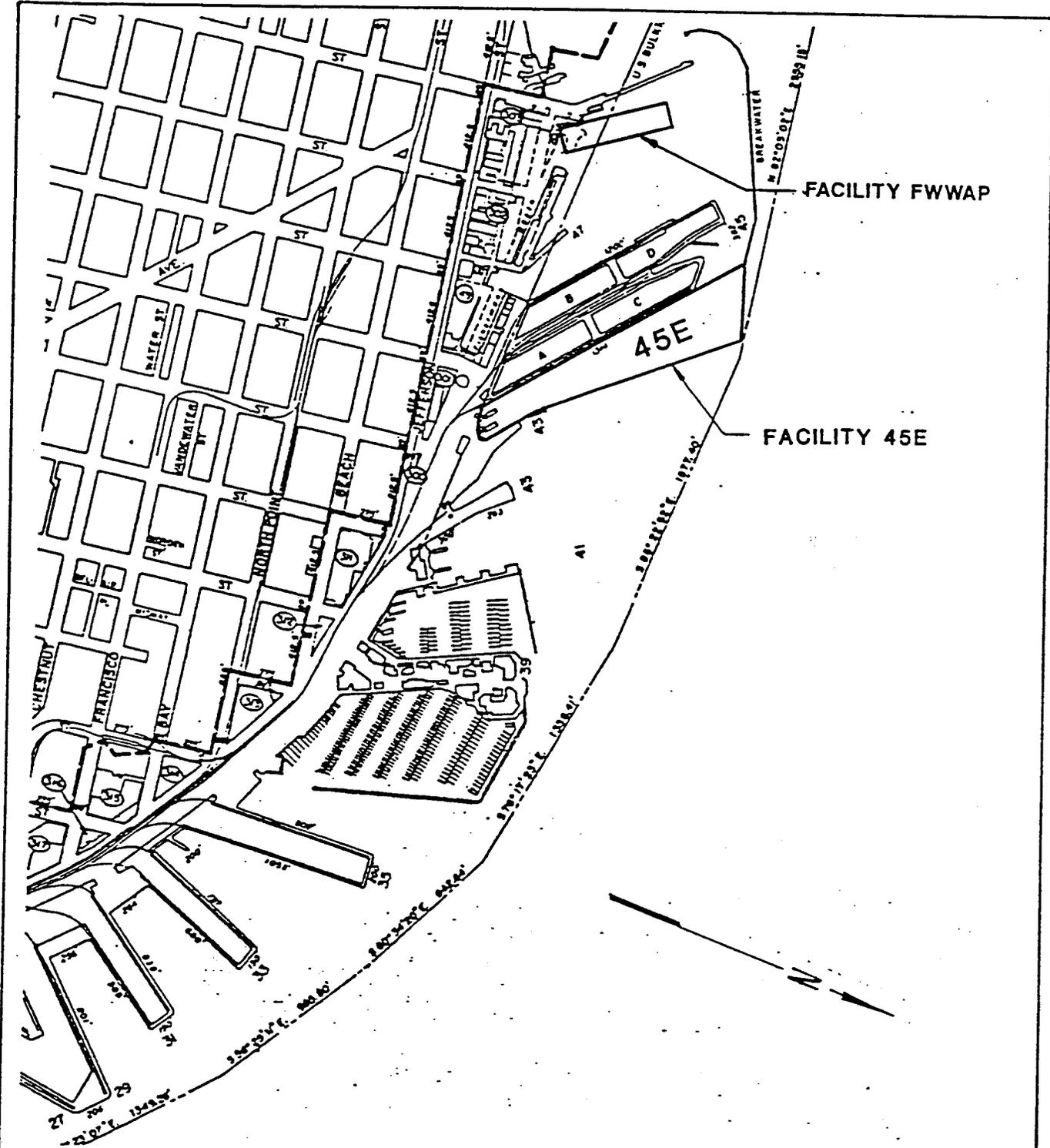
(FOR GENERAL PLANNING AND PERMITTING PURPOSES ONLY - NOT BUDGET OR CAPITAL PLANNING)

FACILITY NAME	FACILITY CODE	DESIGN DREDGE DEPTH (M.L.L.W.)	DREDGE VOLUMES														
			1993/94 Cu. Yds.	EPI-SODE	1994/95 Cu. Yds.	EPI-SODE	1995/96 Cu. Yds.	EPI-SODE	1996 Cu. Yds.	EPI-SODE	BUSINESS OPPORTUNITY SITES Cu. Yds.	EPISODE	NOTES				
Fishermans Wharf - West Lagoon Approach	FWWAP	-20 ft.			17,000												
Pier 45 East	45E	-35 ft.															
Pier 35 West	35W	-30 ft.	26,000	1													
Pier 35 East	35E	-35 ft.			30,000	2											
Pier 29	29	-35 ft.			44,000	3											
Pier 27	27	-35 ft.	15,000	2													
Pier 30	30	-35 ft.															
Pier 32	32	-35 ft.															
Pier 38 North	38N	-32 ft.															
Pier 38 South	38S	-32 ft.															
Pier 48-50 Approach	48/50	-35 ft.															
Pier 48A	48A	-35 ft.															
Pier 48B	48B	-35 ft.															
Pier 50A	50A	-35 ft.															
Pier 50C	50C	-35 ft.															
Central Basin	CB	-32 ft.															
Pier 70W	70W	-35 ft.															
Pier 80B	80B	-40 ft.															
Pier 80C	80C	-40 ft.	20,000	2													
Pier 80D	80D	-35 ft.															
Pier 80 IC	80IC	-40 ft.	50,000	2													
Pier 80 Approach	80AP	-40 ft.	30,000	2													
Pier 90	90	-40 ft.															
Pier 92-Islands Creek	92IC	-35 ft.															
Pier 94	94	-40 ft.															
Pier 96	96	-38 ft.	4,000	2													
Pier 80 Approach	80AP	-40 ft.															
Pier 94 Approach	94AP	-40 ft.															
Pier 96 Approach	96AP	-40 ft.															
TOTAL PER YEAR			145,000		91,000			198,000		144,000			845,000		TOTAL SITES		
TOTAL 30 MONTH PROGRAM													300,000		TOTAL REQUESTED		
TOTAL 30 MONTH PROGRAM WITH 300,000 C.Y. IN BUSINESS OPPORTUNITY SITES																	

TOTAL 30 MONTH PROGRAM	578,000
TOTAL 30 MONTH PROGRAM WITH 300,000 C.Y. IN BUSINESS OPPORTUNITY SITES	878,000

NOTES:

- Port's Fiscal Year is July 1st through June 30th.
- All dredge materials are to be slurried and dredged clamshell, volumes are in-situ with 2 foot over dredge allowance.
- Even numbered episodes planned for August - November, odd numbered planned for March - July.
- Business Opportunity Sites are sites where there is currently not an identified market need to conduct maintenance dredging. The Port needs flexibility to be allowed to purchase quickly therefore the Port has included 300,000 cubic yards in this category to be allocated among the sites on an as-needed basis.

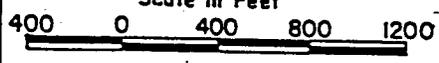


PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW
ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW

Scale in Feet



PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

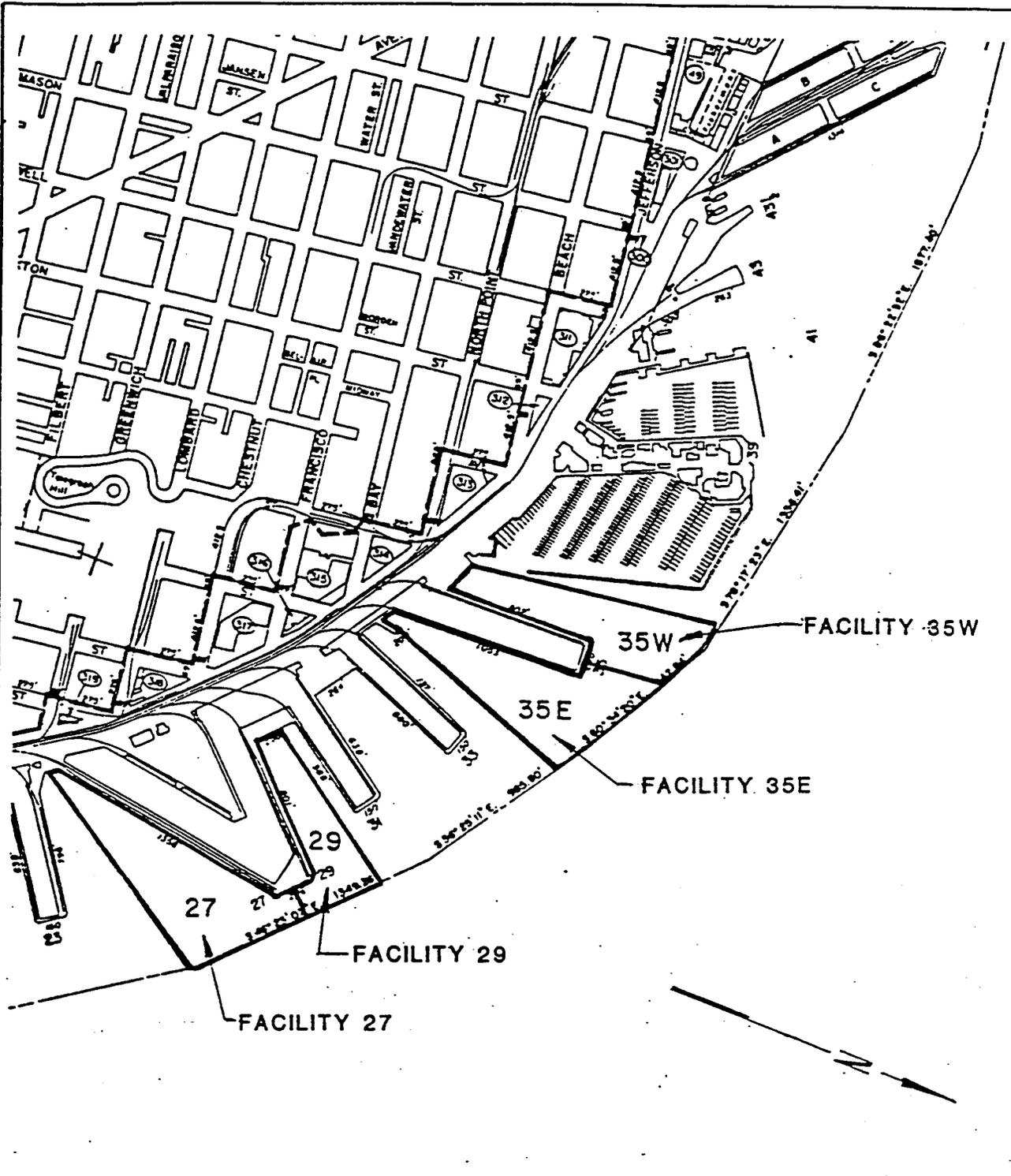
PROPOSED MAINTENANCE
DREDGING

IN: SAN FRANCISCO BAY
AT: PIER
COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO

SHEET 1 OF 10 DATE 4/14/94

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PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW
ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW

Scale in Feet



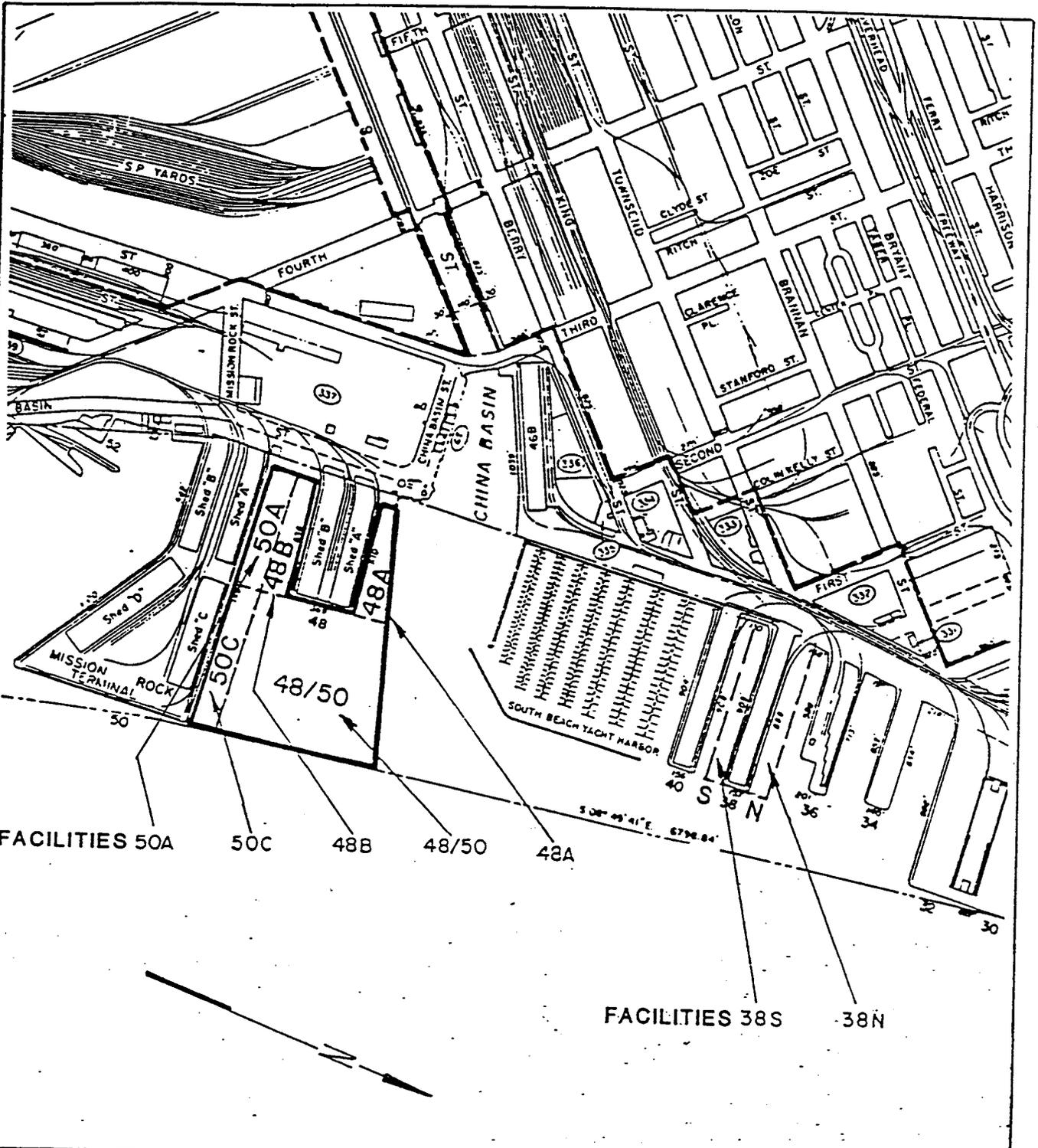
PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE
DREDGING

IN: SAN FRANCISCO BAY
AT: PIER
COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO
SHEET 2 OF 10 DATE 4/14/94
20672-S48

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FACILITIES 50A

50C

48B

48/50

48A

FACILITIES 38S

38N

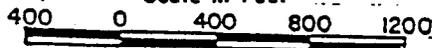
PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW

ADJACENT PROPERTY OWNERS:
1. STATE LANDS

PLAN VIEW

Scale in Feet



PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE
DREDGING

IN: SAN FRANCISCO BAY

AT: PIER

COUNTY OF: SAN FRANCISCO STATE: CA.

APPLICATION BY: PORT OF SAN FRANCISCO

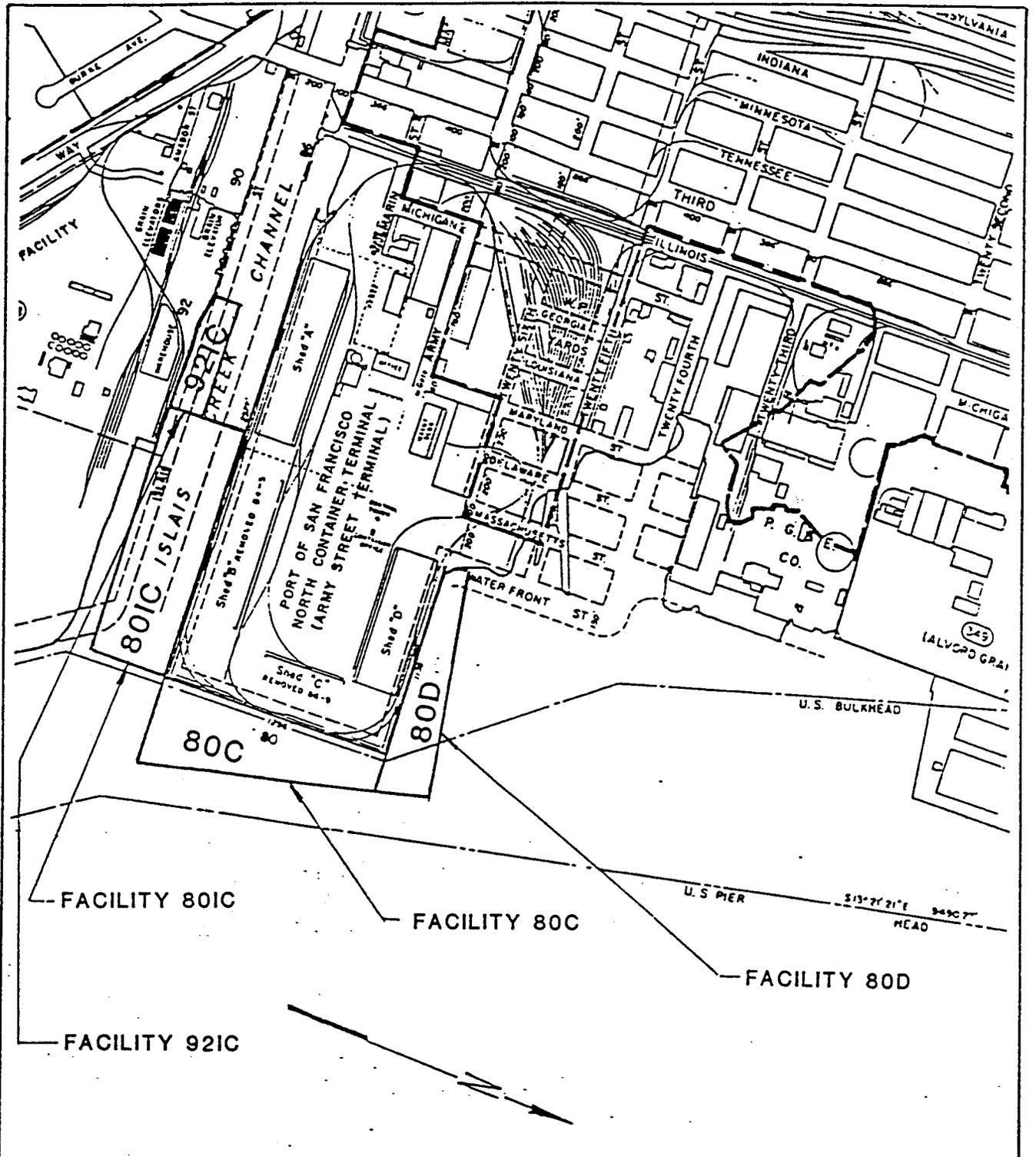
SHEET 4 OF 10 DATE 4/14/94

20672 S48
CALENDAR PAGE

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MINUTE PAGE

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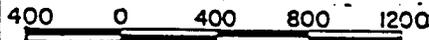
PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW

ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW

Scale in Feet



PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE
DREDGING

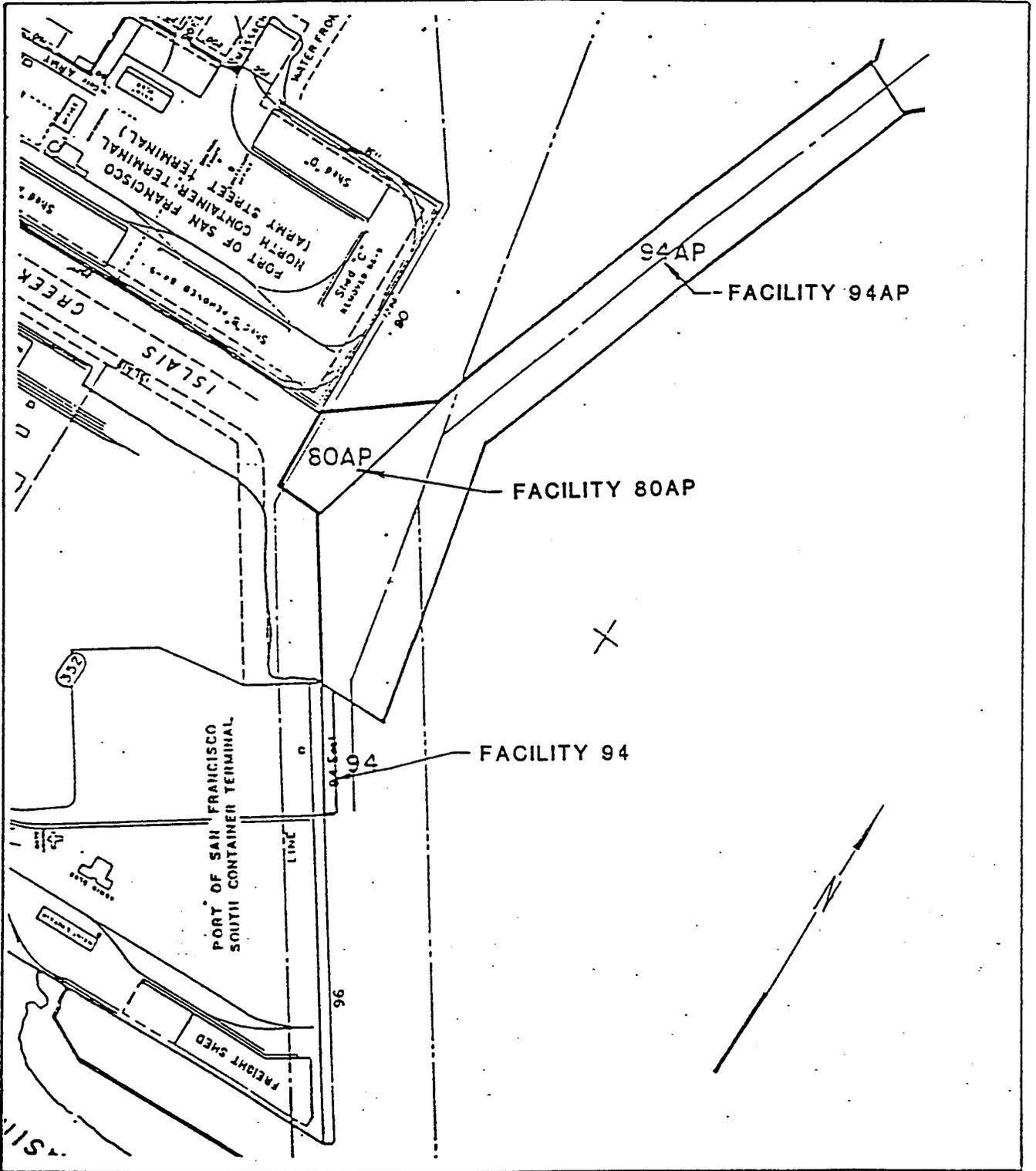
IN: SAN FRANCISCO BAY
AT: PIER 80, 92

COUNTY OF: SAN FRANCISCO STATE: CA.

APPLICATION BY: PORT OF SAN FRANCISCO
SHEET FOR DRAWING PAGE 71

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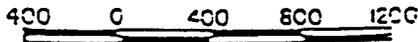


PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW
ADJACENT PROPERTY OWNERS:
I. STATE LANDS

PLAN VIEW

Scale in Feet



PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

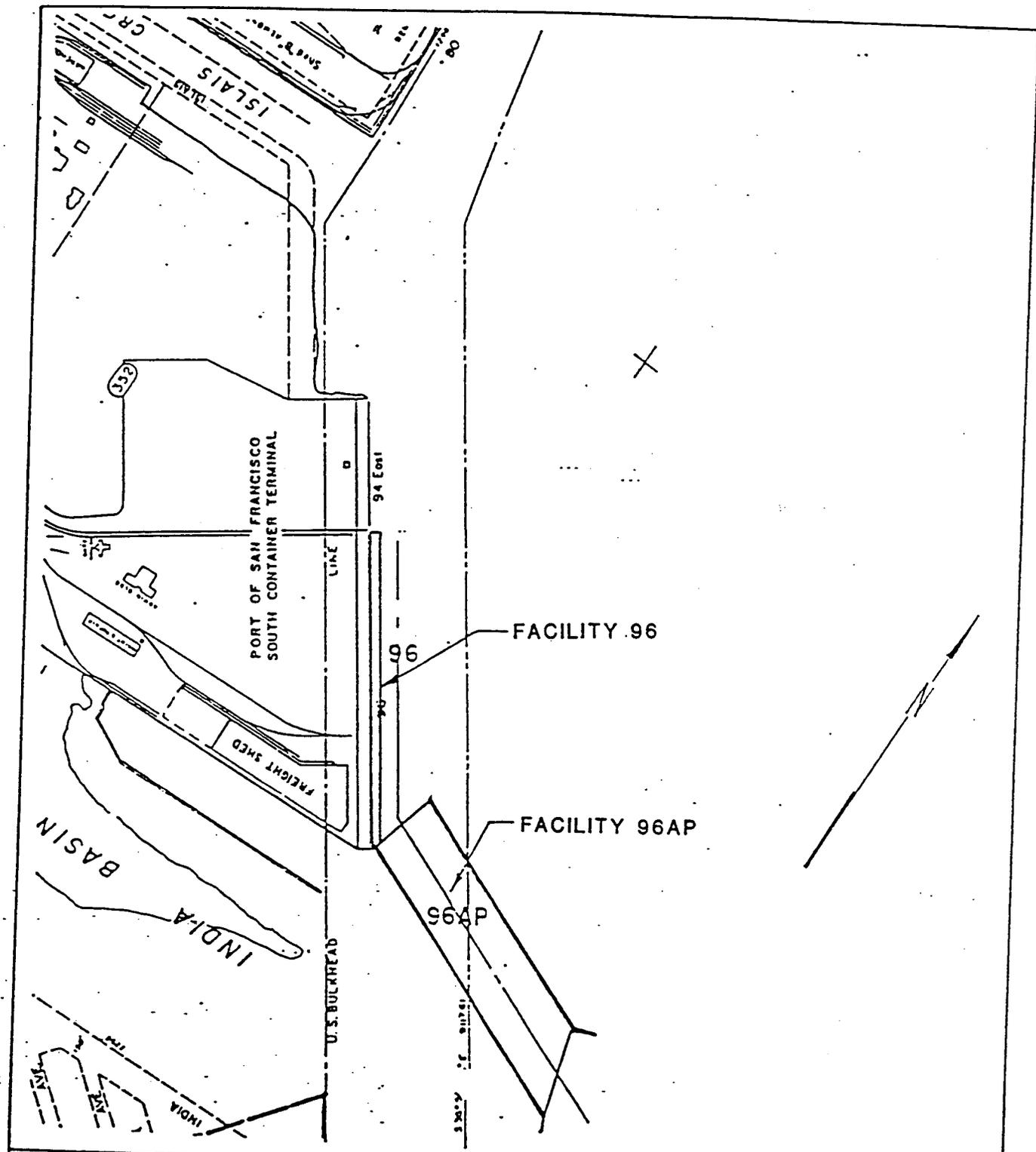
PROPOSED MAINTENANCE
DREDGING

IN: SAN FRANCISCO BAY
AT: PIER 80, 94
COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICATION BY: PORT OF SAN FRANCISCO

~~GREEN IDER 0~~ PAGE 4/14/94 72

20672 S48

MINUTE PAGE

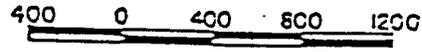


PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW
ADJACENT PROPERTY OWNERS:
L. STATE LANDS

PLAN VIEW

Scale in Feet

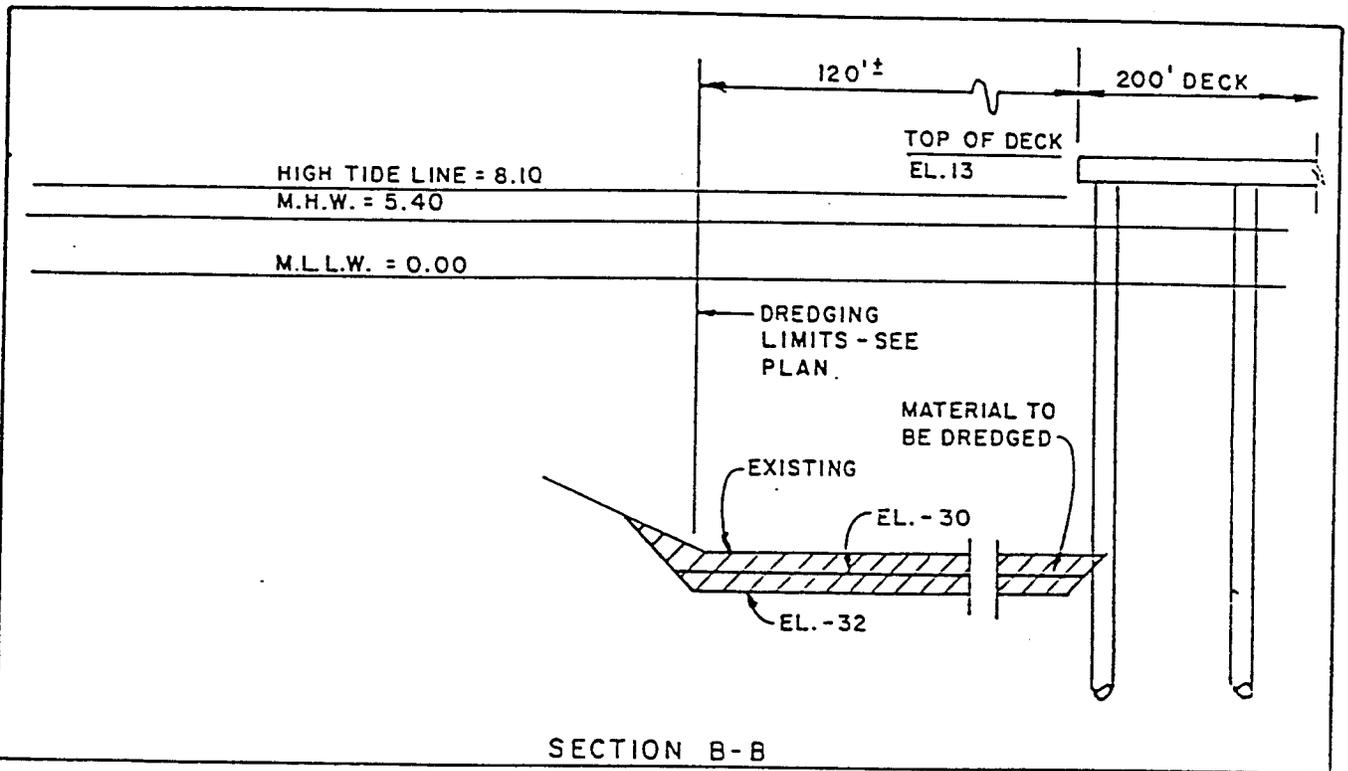


PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

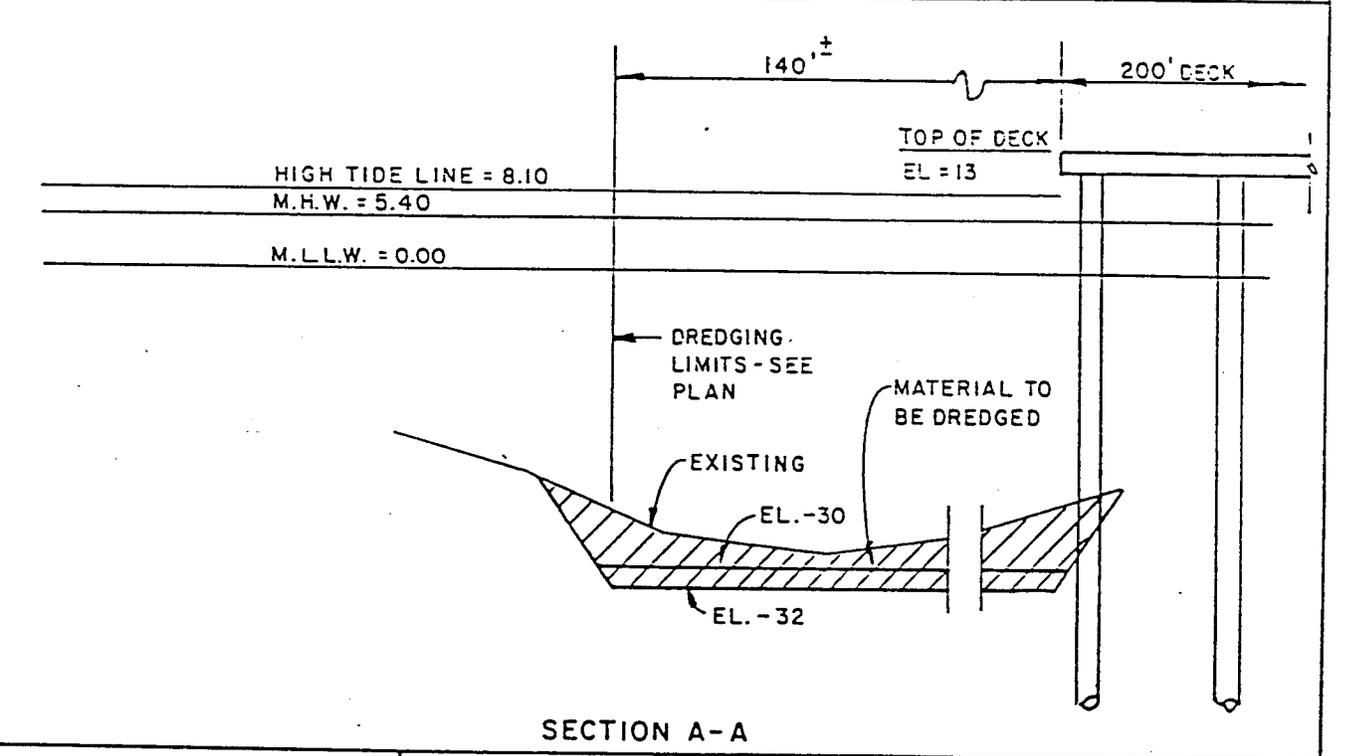
PROPOSED MAINTENANCE
DREDGING

IN: SAN FRANCISCO BAY
AT: PIER 96

COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICABLE: PORT OF SAN FRANCISCO
SHEET 8 OF 10 DATE 4/14/94 87
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SECTION B-B



SECTION A-A

PURPOSE: MAINTENANCE
DREDGING OF PIERSIDE
BERTHING AREA.

DATUM: MLLW

ADJACENT PROPERTY OWNERS:
I. STATE LANDS

SECTION VIEWS
NOT TO SCALE.

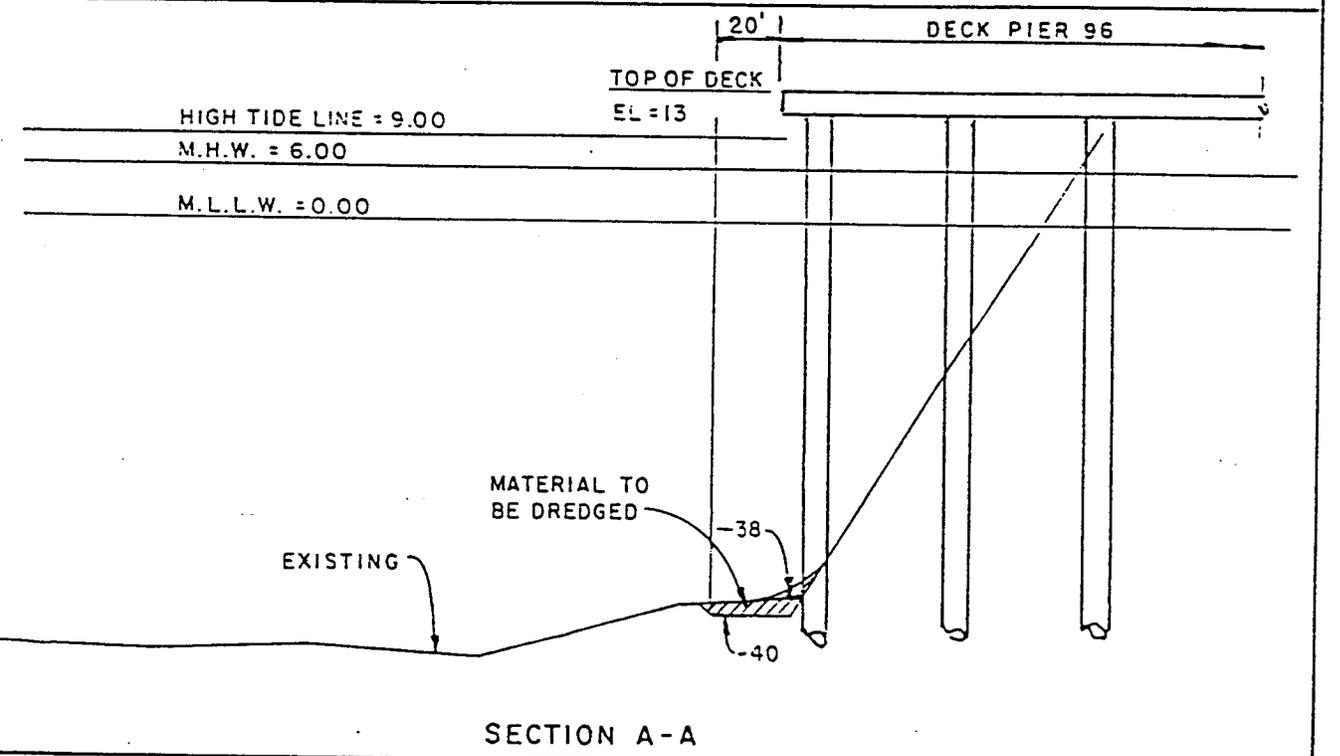
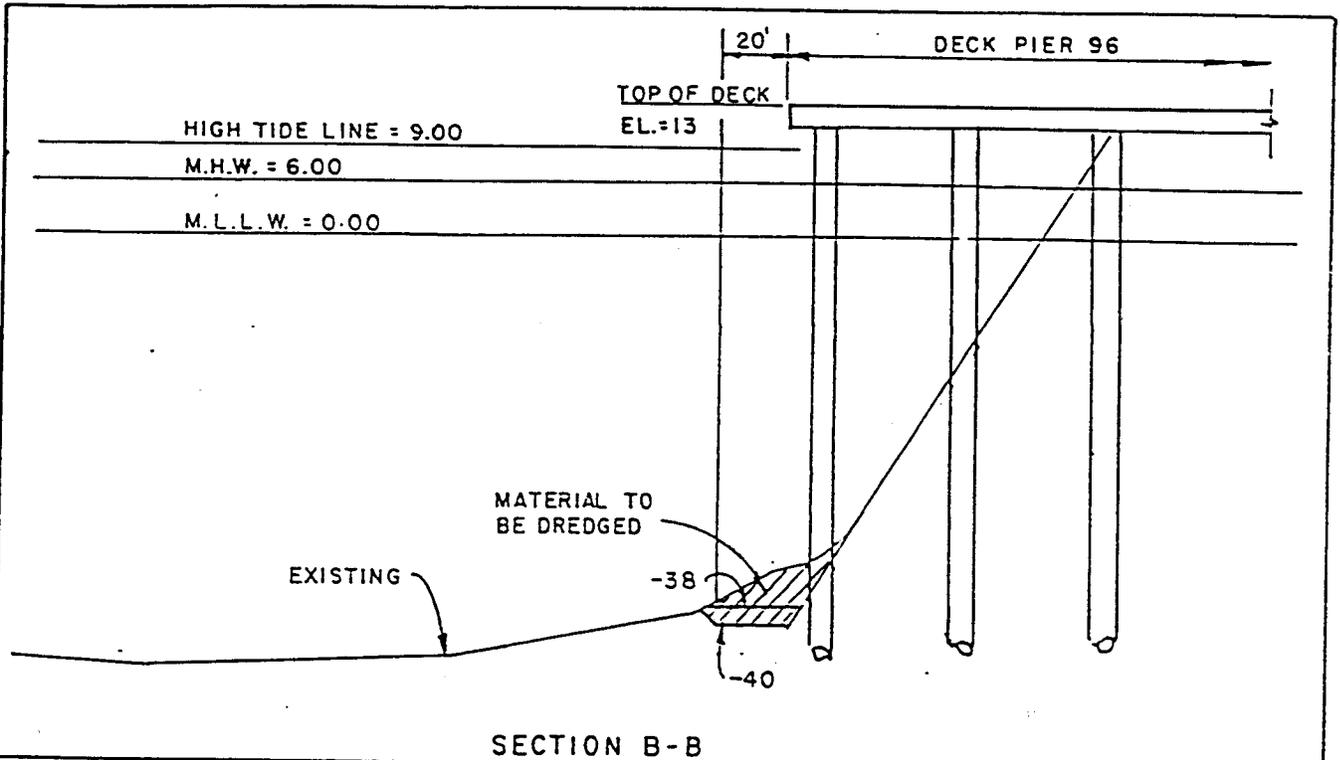
PORT OF SAN FRANCISCO
FERRY BUILDING, SUITE 3100
SAN FRANCISCO, CA. 94111

PROPOSED MAINTENANCE DREDGING
FISCAL YEAR 93-94 EPISODE I.

IN: SAN FRANCISCO BAY
AT: PIER 35 WEST

COUNTY OF: SAN FRANCISCO STATE: CA.
APPLICABLE FOR: SAN FRANCISCO

SHEET 9 OF 10 DATE 4/14/94
MINUTE PAGE 88



<p>PURPOSE: MAINTENANCE DREDGING OF PIERSIDE BERTHING AREA.</p>	<p>SECTION VIEWS NOT TO SCALE</p>	<p>PROPOSED MAINTENANCE DREDGING FISCAL YEAR 93-94 EPISODE I.</p>
<p>DATUM: MLLW ADJACENT PROPERTY OWNERS: I. STATE LANDS</p>	<p>PORT OF SAN FRANCISCO FERRY BUILDING, SUITE 3100 SAN FRANCISCO, CA. 94111</p>	<p>IN: SAN FRANCISCO BAY AT: PIER 96 COUNTY OF: SAN FRANCISCO STATE: CA. APPLICATION BY: PORT OF SAN FRANCISCO SHEET 10 OF 10 DATE 4/14/94 # 20672-S48</p>

CALENDAR PAGE	74.1
MINUTE PAGE	88.1