

LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS

DEPARTMENT OF THE ARMY PERMIT

Permittee: Port of San Diego
Permit Number: 2006-1690-KJC
Issuing Office: Los Angeles District

RECEIVED

NOV 09 2007

REGULATORY BRANCH
SAN DIEGO OFFICE

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 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: Regional General Permit (RGP) No. 72 is hereby issued for routine wharf/dock maintenance work, including in-kind repair or replacement of damaged and broken chocks, wales, and wooden, concrete, and plastic pier and fender piles, as needed. The locations to be authorized by this RGP within San Diego Bay are the B Street Pier, Broadway Pier, Navy Pier, Embarcadero Wharf, dinghy docks, Grape Street Piers, Former Chevron Pier, Crosby Street Pier, Transient Vessel Dock, Harbor Police Dock, Tuna Boat Berthing Facility, Fish Unloading Pier, Fish Harbor Pier, Coronado Ferry Landing Pier and Peohe's Floating Dock, Tenth Avenue Marine Terminal, National City Marine Terminal (berth 24-1, berth 24-10, and berth 24-11), Shelter Island fishing pier floating dock and launching ramp floating docks and the Chula Vista fishing pier and launching ramp floating docks; and the Imperial Beach Fishing Pier located in the Pacific Ocean (see attached figures). The new piles may be installed either by jetting or driving.

Project Location: The Port of San Diego in the City and County of San Diego, California.

Permit Conditions:

General Conditions:

1. The time limit for completing the authorized activity ends on August 30, 2012. 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 from 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. The Permittee shall ensure that water quality is maintained by incorporating the terms and conditions of the Programmatic Section 401 Water Quality Certification File No. 06C-082, WDID No. 9 000001522, issued by the California Regional Water Quality Control Board on February 26, 2007. The terms and conditions of this Section 401 Water Quality Certification shall become conditions of this permit.
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 with the terms and conditions of your permit.

Special Conditions:

Section 10

1. The permitted activity shall not interfere with the right of the public to free navigation on all navigable waters of the United States as defined by 33 C.F.R. Part 329.
2. The Permittee is authorized to perform routine wharf/dock maintenance activities, involving only in-kind maintenance and replacement/repair work of existing wharf/dock components. No dredging, discharge of fill, or increases in shading impacts are authorized.
3. No capital improvement projects, expansions, or other modifications resulting in a change of the existing use of the facility are authorized by this Regional General Permit (RGP).
4. No dredging is authorized by this RGP.

5. The installation of creosote treated pilings shall not be authorized by this RGP.
6. A current pre-construction survey of the project area for *Caulerpa taxifolia* (Caulerpa) shall be conducted or be on file (and provided to the U.S. Army Corps of Engineers San Diego Field Office, (Corps) the National Marine Fisheries Service (NMFS) and the California Department of Fish and Game (CDFG)) for each episode of in-water construction that has the potential to disturb the sediments on the seafloor. Each pre-construction *Caulerpa taxifolia* survey shall be conducted in accordance with the Caulerpa Control Protocol (version 1.2b, adopted January 31, 2003, see <http://swr.nmfs.noaa.gov/hcd/caulerpa/ccp.pdf>) not earlier than 90 calendar days prior to planned construction and not later than 30 calendar days prior to construction. The results of that survey shall be furnished to the Corps, NMFS, and CDFG at least 15 calendar days prior to initiation of work in navigable waters. In the event that Caulerpa is detected within the project area, the Permittee shall not commence work until such time as the infestation has been isolated, treated, and the risk of spread is eliminated as confirmed in writing by the Corps, in consultation with NMFS and CDFG.
7. The Permittee shall provide written notification of the proposed work to be performed under the RGP for the current year to the Corps, NMFS, U.S. Fish and Wildlife Service (FWS), and CDFG at the beginning of each calendar year, prior to January 31, and 45 days prior to the first scheduled maintenance activities. In general, the Corps will respond in writing within the 45 day time frame, prior to the initially scheduled maintenance activities. However, if no response is received within the 45 day time frame, the proposed maintenance can proceed in accordance with all General and Special Conditions. The notification shall include the following:
 - a. Corps' RGP File Number (200601690-KJC);
 - b. Location and description of work to be performed at each site (i.e. what structures are to be replaced, number of piles or extent of construction, and duration of work);
 - c. Tentative work schedule;
 - d. A statement indicating that all maintenance activities will be conducted in compliance with all General and Special Conditions.
8. Prior to any activities with the potential to disturb the seafloor sediments at any locations with a water depth of 15 feet or less, the Permittee shall have a qualified biologist perform a pre-construction eelgrass survey of the project area in accordance with NMFS Fisheries' *Southern California Eelgrass Mitigation Policy (revision 11)* dated July 31, 1991 (SCEMP) adopted by federal and state resource agencies. The Permittee shall submit a report to the Corps, NMFS, FWS, and CDFG for review 30 days prior to commencement of in-water construction in order to establish the location of all eelgrass in the vicinity of the project. A current survey shall be performed or be on file (and provided to the Corps, NMFS, and CDFG) prior to each in-water construction episode.
9. When a sensitive resource may potentially be adversely affected, the Permittee shall conduct a biological survey prior to any in-water activities. Sensitive resources may include, but are not limited to rocky habitat, surfgrass, eelgrass, kelp, and habitat areas supporting grunion, pismo clams, and lobster. The pre-construction biological survey shall map the coverage of the resource and characterize the quality of the habitat, pursuant to Corps and NMFS protocol, and when appropriate, as determined by the Corps and NMFS, the Permittee shall submit a proposed

mitigation plan to compensate for the loss of biological resources. This condition is necessary to insure that the proposed activities do not result in adverse impact to Essential Fish Habitat (EFH). EFH coordination requirements shall not be considered complete until the Corps and NMFS concur on the adequacy of the proposal.

10. The Permittee shall have a qualified biologist perform a post-construction eelgrass survey of the project area in accordance with the SCEMP if the pre-construction eelgrass survey documents the presence of eelgrass. The Permittee shall conduct the post-construction eelgrass survey within 30 days of project completion and identify any eelgrass impacts in a report to be sent to the agencies within 30 days of the eelgrass survey. The Permittee shall provide a report to the following agencies: Corps, NMFS, FWS, and CDFG.

11. FOR BOAT DOCKS and OTHER STRUCTURES PLACED IN WATERS OF THE US WITH THE POTENTIAL TO IMPACT EELGRASS: If determined necessary by the Corps in coordination with NMFS, FWS, and CDFG, and once authorized impacts to navigable waters authorized by this permit have ceased, the Permittee shall conduct two years of post-construction eelgrass monitoring surveys per the mapping guidelines in the Policy (<http://swr.nmfs.noaa.gov/hcd/eelpol.htm>). All required post-construction monitoring surveys shall be submitted by the Permittee to the Corps and NMFS within 30 calendar days of each survey completion date. Based upon the post-construction monitoring survey results and in accordance with the Policy, the Corps will determine the need and/or amount of Essential Fish Habitat (EFH) mitigation required to offset adverse impacts to such habitat. The Corps will transmit its determination to the Permittee in writing. Within 60 calendar days of receiving the Corps' determination specifying the need and amount of mitigation, the Permittee shall submit a draft EFH mitigation plan to the Corps for review and approval. The EFH mitigation plan shall be prepared in accordance with the Policy and the Corps' Los Angeles District Mitigation Guidelines and Monitoring Requirements, dated April 19, 2004. The Permittee shall fully implement the final EFH mitigation plan as approved by the Corps.

12. The Permittee shall have a qualified biologist perform a post-construction sensitive resource survey (see Special Condition 9) of the project area in accordance with any applicable protocol, depending on the sensitive resource, if the pre-construction sensitive resource survey documents the potential for impacts to a sensitive resource. The Permittee shall conduct the post-construction sensitive resource survey within 30 days of project completion and identify any resource impacts in a report to be sent to the agencies within 30 days of the post-construction survey. The Permittee shall provide a report to the following agencies: Corps, NMFS, FWS, and CDFG.

13. Prior to the onset of the authorized activity, the Permittee shall implement a contractor education program to ensure that all onsite personnel are informed of the biologically sensitive resources associated with the project site and compliance with all the General and Special Conditions herein. The Permittee shall provide all onsite personnel a copy of this permit, and require all onsite personnel to read, understand, and agree to this authorization in its entirety prior to initiation of the authorized activity.

14. The Permittee shall discharge only clean construction materials suitable for use in the oceanic environment. The Permittee shall ensure no debris, soil, silt, sand, sawdust, rubbish, cement or concrete washings thereof, oil or petroleum products, from construction shall be

allowed to enter into or placed where it may be washed by rainfall or runoff into waters of the United States. Therefore, the Permittee shall employ all standard Best Management Practices to ensure that toxic materials, silt, debris, or excessive erosion do not enter waters of the United States during project construction. Upon completion of the project authorized herein, any and all excess material or debris shall be completely removed from the work area. Excess material shall be recycled, if possible. All other materials or debris shall be disposed of in an appropriate upland site.

15. The Permittee shall notify the Commander, Eleventh Coast Guard District, and the Coast Guard, Sector San Diego not less than 14 calendar days prior to commencing work and as project information changes. The notification, either by letter, fax, or e-mail, shall include as a minimum the following information:

- a. Project description including the type of operation (i.e. dredging, diving, construction, etc).
- b. Location of operation, including Latitude / Longitude (NAD 83).
- c. Work start and completion dates and the expected duration of operations.
- d. Equipment and vessels involved in the operation (name, size and type).
- e. VHF-FM radio frequencies monitored by vessels on scene.
- f. Name of company, point of contact, and 24 hour phone number.
- g. Potential hazards to navigation.
- h. Chart number for the area of operation.

Addresses:

Commander, 11th Coast Guard District (dpw)
Coast Guard Island, Building 50-2
Alameda, CA 94501-5100
ATTN: Local Notice to Mariners
TEL: (510) 437-2970, (510) 437-2986
FAX: (510) 437-3423
Email: d11lnm@uscg.mil

U.S. Coast Guard
Sector San Diego
2710 N. Harbor Dr.
San Diego, CA 92101
Attn: Ports and Waterways Division
TEL: (619) 278-7262
FAX: (619) 278-7279

16. The Permittee and his or her contractor(s) shall not remove, relocate, obstruct, willfully damage, make fast to, or interfere with any aids to navigation defined at 33 C.F.R. chapter I, subchapter C, part 66. The Permittee shall ensure his or her contractor notifies the Eleventh Coast Guard District in writing, with a copy to the Corps, not less than 30 calendar days in advance of operating any equipment adjacent to any aids to navigation which requires relocation or removal. Should any federal aids to navigation be affected by this project, the Permittee shall submit a request, in writing, to the Corps as well as the U.S. Coast Guard, Aids to Navigation office at the Coast Guard address in Alameda, CA in Condition 15, Attn: Operations Officer, LT Stephen Walters. For questions, the Aids to Navigation office can be contacted at (510) 437-2976. The Permittee and his or her contractor are prohibited from relocating or removing any aids to navigation until authorized to do so by the Corps and the U.S. Coast Guard.

17. Should the Permittee determine the work requires the placement and use of private aids to navigation in navigable waters of the U.S., the Permittee shall submit a request in writing to the Corps as well as the U.S. Coast Guard, Aids to Navigation office at the Coast Guard address

in Alameda, CA in Condition 15, Attn: Mr. Brian Aldrich. For questions regarding private aids to navigation Mr. Aldrich can be contacted at (510) 437-2983. The Permittee is prohibited from establishing private aids to navigation in navigable waters of the U.S. until authorized to do so by the Corps and the U.S. Coast Guard.

18. Upon notification to the U.S. Coast Guard as specified in Special Condition 15, the Permittee shall forward a copy of the notification to the Coast Guard Captain of the Port (COTP). The COTP may modify the deployment of marine construction equipment or mooring systems to safeguard navigation during project construction. The Permittee shall direct questions concerning lighting, equipment placement, and mooring to the COTP at (619) 278-7262.

19. The Permittee shall install and maintain, at his or her own expense, any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, on his or her authorized facilities. The Coast Guard may be reached at the San Diego address and telephone number from Condition 15 above.

20. The Permittee shall ensure that all vessel operators have a marine band radio, monitor Channel 16, and follow navigation rules (rules of the road) at all times.

21. The Permittee shall mark with buoys any underwater cables or anchoring systems for vessels involved with the project proposed herein.

22. Within 30 calendar days of completion of each project authorized by this RGP, the Permittee shall conduct a post-project survey indicating changes to structures and other features in navigable waters. The Permittee shall forward a copy of the survey the National Oceanic and Atmospheric Service for chart updating: Gerald E Wheaton, National Oceanic and Atmospheric Administration, Regional Manager, West Coast and Pacific Ocean, DOD Center Monterey Bay, Room 5082, Seaside, CA 93955-6711.

23. The Permittee shall provide an annual summary of work done pursuant to this RGP to the Corps, NMFS, FWS, and CDFG by December 31st of each year. The annual summary shall include the date of each use of the RGP, a brief description of the work performed, including duration, and a compliance report which documents compliance with all permit conditions.

24. The Permittee understands and agrees that, if future operations by the United States require the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

Endangered Species Act:

1. This Corps permit does not authorize you to take any threatened or endangered species, in particular the California least tern (*Sterna antillarum browni*), the brown pelican (*Pelecanus occidentalis*) and the green sea turtle (*Chelonia mydas*) or adversely modify its designated critical

habitat. In order to legally take a listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g. ESA Section 10 permit, or a Biological Opinion (BO) under ESA Section 7, with "incidental take" provisions with which you must comply). Pursuant to the FWS and NMFS correspondence dated July 23, 2007 and June 15, 2007 respectively, including the required avoidance and minimization measures incorporated herein, the Corps has determined and the FWS and NMFS have concurred that your activity is not likely to adversely affect the above species. Your authorization under this Corps permit is conditional upon your compliance with all of the required avoidance and minimization measures, which are included as Special Conditions in this permit. Failure to comply with the required avoidance and minimization measures would constitute non-compliance with your Corps permit. The FWS and NMFS are the appropriate authorities to determine compliance with the ESA.

2. The permittee shall not schedule in-water construction during the California least tern (*Sterna antillarum browni*) nesting season from April 1 to September 15. This condition is necessary to avoid potential impacts to the California least tern and the green sea turtle. The California least tern are known to forage throughout San Diego Bay during nesting season. The green sea turtles become more active during the summer months and may be found in the vicinity of proposed project sites.
3. If the Permittee determines that it is necessary to perform in-water construction during the California least tern nesting season (Special Condition 2 under Endangered Species Act), the Permittee shall notify the Corps, FWS, NMFS, and CDFG at least 45 days prior to the start of each construction project to allow the FWS, NMFS, or CDFG to provide project-specific comments. The Permittee shall provide the Corps, FWS, NMFS, and CDFG with the notification information required in Condition 7 above. If no comments are received within the 45 day notification period, the Permittee may assume concurrence and proceed with the proposed activities as long as the work is in compliance with all other General and Special Conditions herein. The Permittee shall limit construction during breeding season to four consecutive days of in-water construction and 15 days total of in-water construction during breeding season. The Permittee shall provide the Corps, FWS, NMFS, and CDFG with a summary report at the end of each breeding season in accordance with Condition 22 above if any work was performed during breeding season.
4. If in-water construction is performed during breeding season, the Permittee shall monitor the work area for turbidity that is greater than ambient. If the work area is 20% more turbid than ambient, the Permittee shall stop work immediately until the turbidity dissipates within the work area. If the turbidity cannot be dissipated within the work area, the Permittee shall install a silt curtain to control the turbidity during in-water construction.
5. If a hydraulic pile-driving hammer is used at the National City Marine Terminal, the Chula Vista fishing pier and launch ramp floating docks, or Coronado Island's Ferry Landing Pier and Peohe's Floating Dock, the Permittee shall provide an on-site monitor throughout the duration of pile-driving activities. If a vibratory hammer or jetting is used at these locations, no monitor is necessary.
6. The permittee shall not begin pile-driving activities at any location if any green sea turtles or marine mammals are located within a 500-meter radius (safe zone) of the authorized activities. If a green sea turtle or marine mammal is observed within the safe zone prior to the start of

pile-driving, the Permittee shall wait 15 minutes once the animal has left the safe zone before beginning pile-driving activities. If a green sea turtle or marine mammal moves within the 500-meter radius after pile driving has begun, the Permittee shall continue pile-driving activities without interruption. If the intensity of the pile-driving activity needs to be increased and a green sea turtle or marine mammal is within a 500-meter radius of the activity, the Permittee shall use a ramp-up procedure. This procedure involves a slow increase in the intensity of pile driving. This condition is necessary to avoid impacts to green sea turtles or marine mammals that may utilize habitat in the vicinity of the proposed project.

7. At the start of pile driving for each pile at all locations, the Permittee shall strike the pile once with the hammer and allow a delay prior to the second pile strike long enough to permit adequate time for any green sea turtles or marine mammals within the safe zone to leave the area prior to the start of sustained pile-driving activities.

8. The permittee shall contact Ms. Kari Coler of the Corps at (858) 674-6783 and the NOAA Fisheries Stranding Coordinator Mr. Joseph Cordaro at (562) 980-4017 immediately in the event of a watercraft collision with a marine mammal or sea turtle.

Cultural Resources:

1. Pursuant to 36 C.F.R. section 800.13, in the event of any discoveries during construction of either human remains, archeological deposits, or any other type of historic property, the Permittee shall notify the Corps' Archeology Staff within 24 hours (Steve Dibble at 213-452-3849 or John Killeen at 213-452-3861). The Permittee shall immediately suspend all work in any area(s) where potential cultural resources are discovered. The Permittee shall not resume construction in the area surrounding the potential cultural resources until the Corps re-authorizes project construction, per 36 C.F.R. section 800.13.

Further Information:

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

(X) Section 10 of the River and Harbor 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.

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.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measure ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give you favorable consideration to a request for an extension of this time limit.

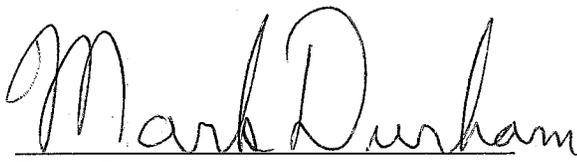
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



PERMITTEE

8/31/07
DATE

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



David J. Castanon
Chief, Regulatory Division
Los Angeles District
for

4 Sept. 2007
DATE

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.

TRANSFEEEE

DATE

Copies Furnished:

NOAA Fisheries
Attn: Jennifer Pettis
501 W. Ocean Blvd. Suite # 4200
Long Beach, CA 90802

National Oceanic & Atmospheric Administration
Attn: Tina Fahy
501 W. Ocean Blvd. Suite #4200
Long Beach, CA 90802

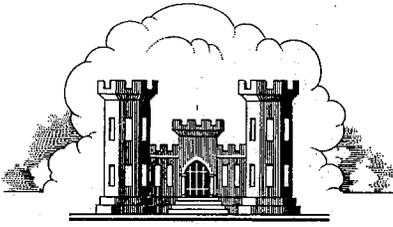
U.S. Fish & Wildlife Service
Attn: Ayoola Folarin
6010 Hidden Valley Road
Carlsbad, CA 92009

U.S. Coast Guard
Attn: LCDR Drew Cheney
2716 North Harbor Drive
San Diego, CA 92101

CA Department of Fish & Game
Attn: Marilyn Fluharty
4949 Viewridge Avenue
San Diego, CA 92123

CA Regional Water Quality Control Board
Attn: Chris Means
9174 Sky Park Court Suite #100
San Diego, CA 92123

California Coastal Commission
Attn: Larry Simon
45 Fremont St., Suite 2000
San Francisco, CA 94105



LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS

**CERTIFICATION OF COMPLIANCE WITH
DEPARTMENT OF THE ARMY PERMIT**

Permit Number: 2006-1690-KJC
Name of Permittee: Port of San Diego
Date of Issuance: August 30, 2007

Upon completion of the activity authorized by this permit, sign this certification and return it to the following address:

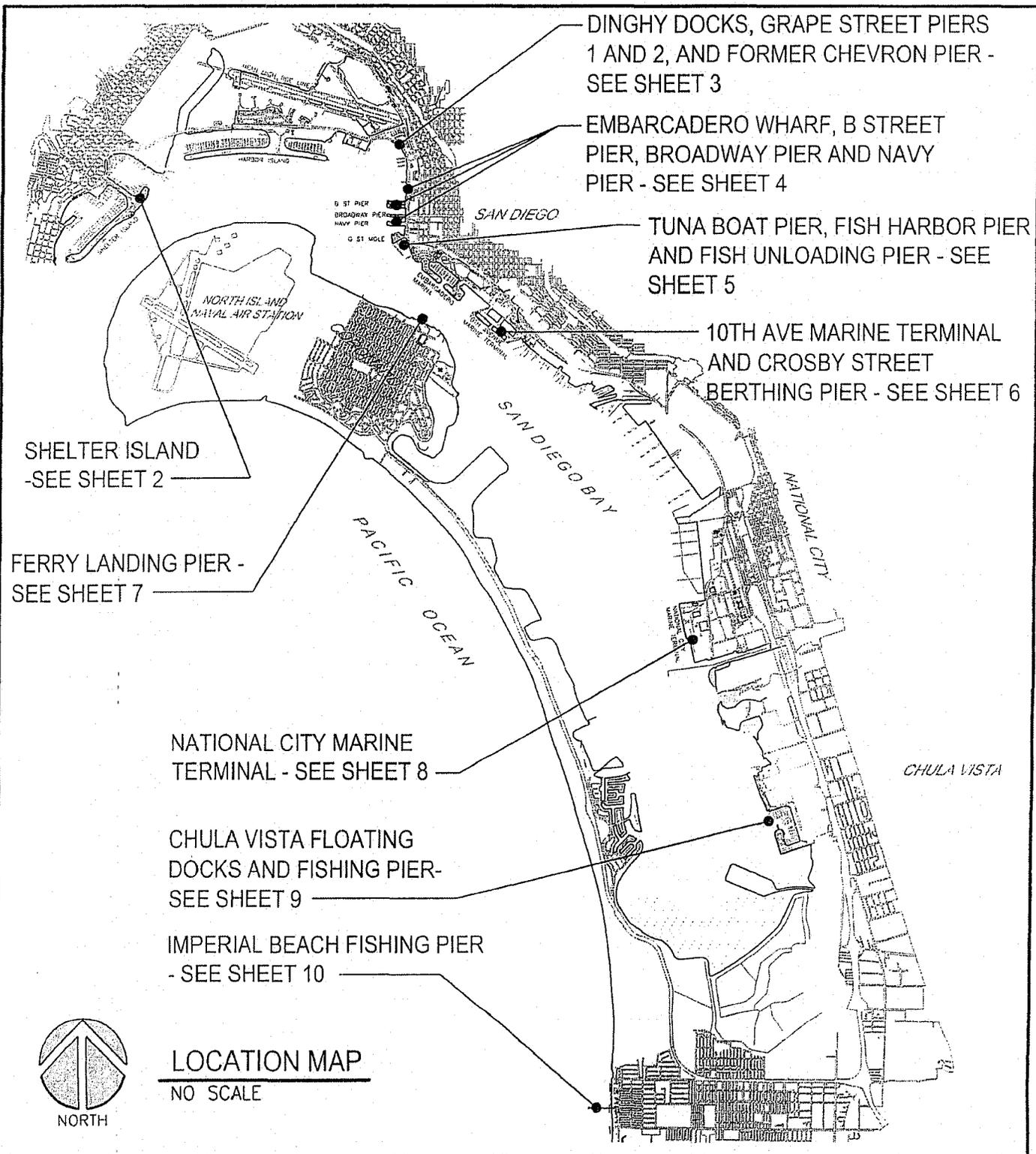
Regulatory Division - Los Angeles District Office
ATTN: CESPL-RG-SD-2006-1690-KJC
P.O. Box 532711
Los Angeles, California 90053-2325

Please note that your permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to comply with this permit you may be subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of said permit.

Signature of Permittee

Date



LOCATION MAP
NO SCALE

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PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.

ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101

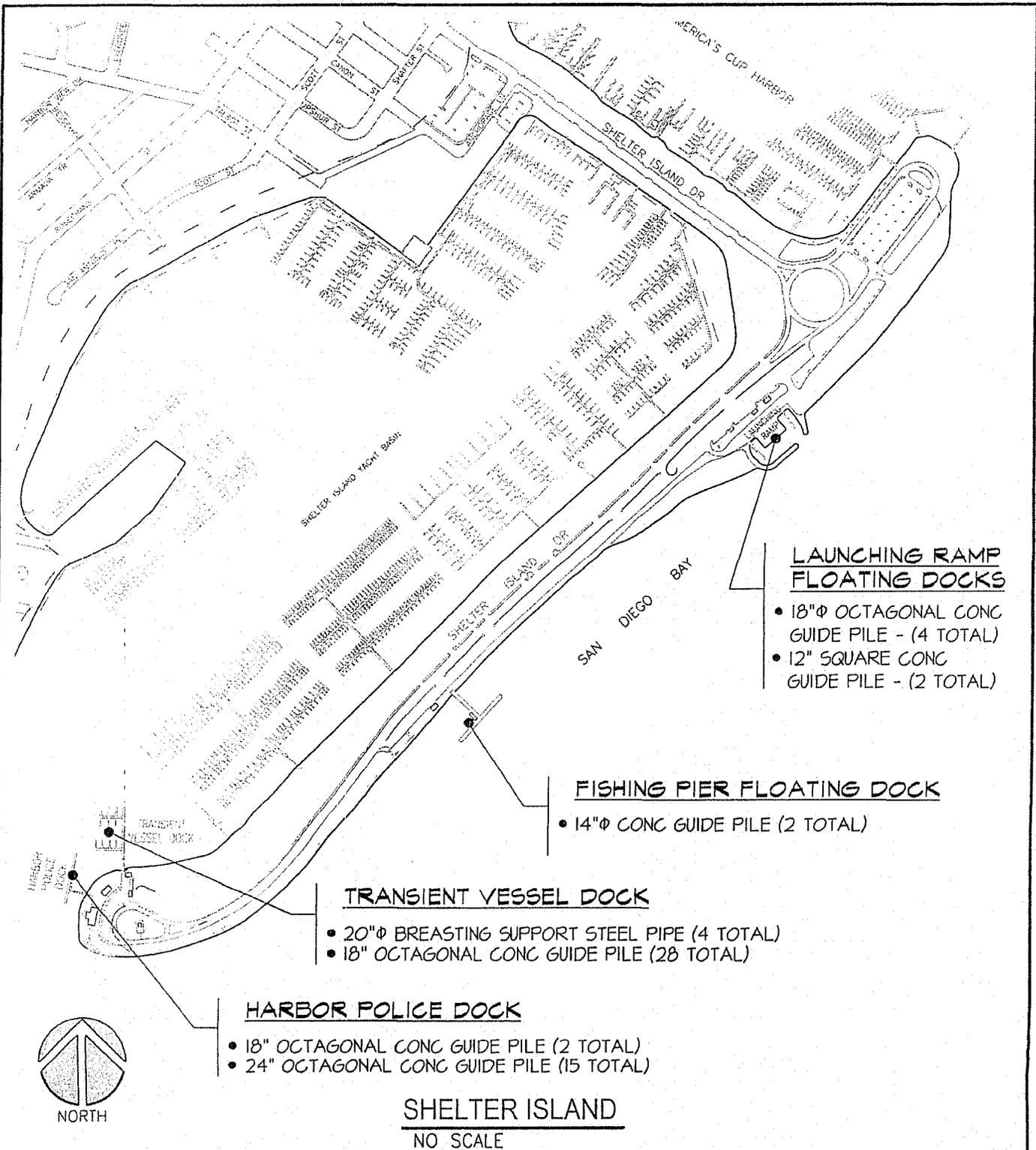
DIRECTOR OF ENGINEERING/CONSTRUCTION

ROBERT FRANKEL
DRAWN BY: PMD CHECKED BY: A S PE

IN: SAN DIEGO BAY
AT: SAN DIEGO
COUNTY OF: SAN DIEGO STATE: CA

APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

SHEET 1 OF 10 DATE: 06-20-06
DWG NO: 323-C REV: -



**LAUNCHING RAMP
FLOATING DOCKS**

- 18" ϕ OCTAGONAL CONG GUIDE PILE - (4 TOTAL)
- 12" SQUARE CONG GUIDE PILE - (2 TOTAL)

FISHING PIER FLOATING DOCK

- 14" ϕ CONG GUIDE PILE (2 TOTAL)

TRANSIENT VESSEL DOCK

- 20" ϕ BREASTING SUPPORT STEEL PIPE (4 TOTAL)
- 18" OCTAGONAL CONG GUIDE PILE (28 TOTAL)

HARBOR POLICE DOCK

- 18" OCTAGONAL CONG GUIDE PILE (2 TOTAL)
- 24" OCTAGONAL CONG GUIDE PILE (15 TOTAL)

SHELTER ISLAND
NO SCALE



S:\AUP\pacificcorp\pm1323-C\sheet\Shelter Island.dwg, 6/20/2006 4:12:43 PM

PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.

ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101

DIRECTOR OF ENGINEERING/CONSTRUCTION

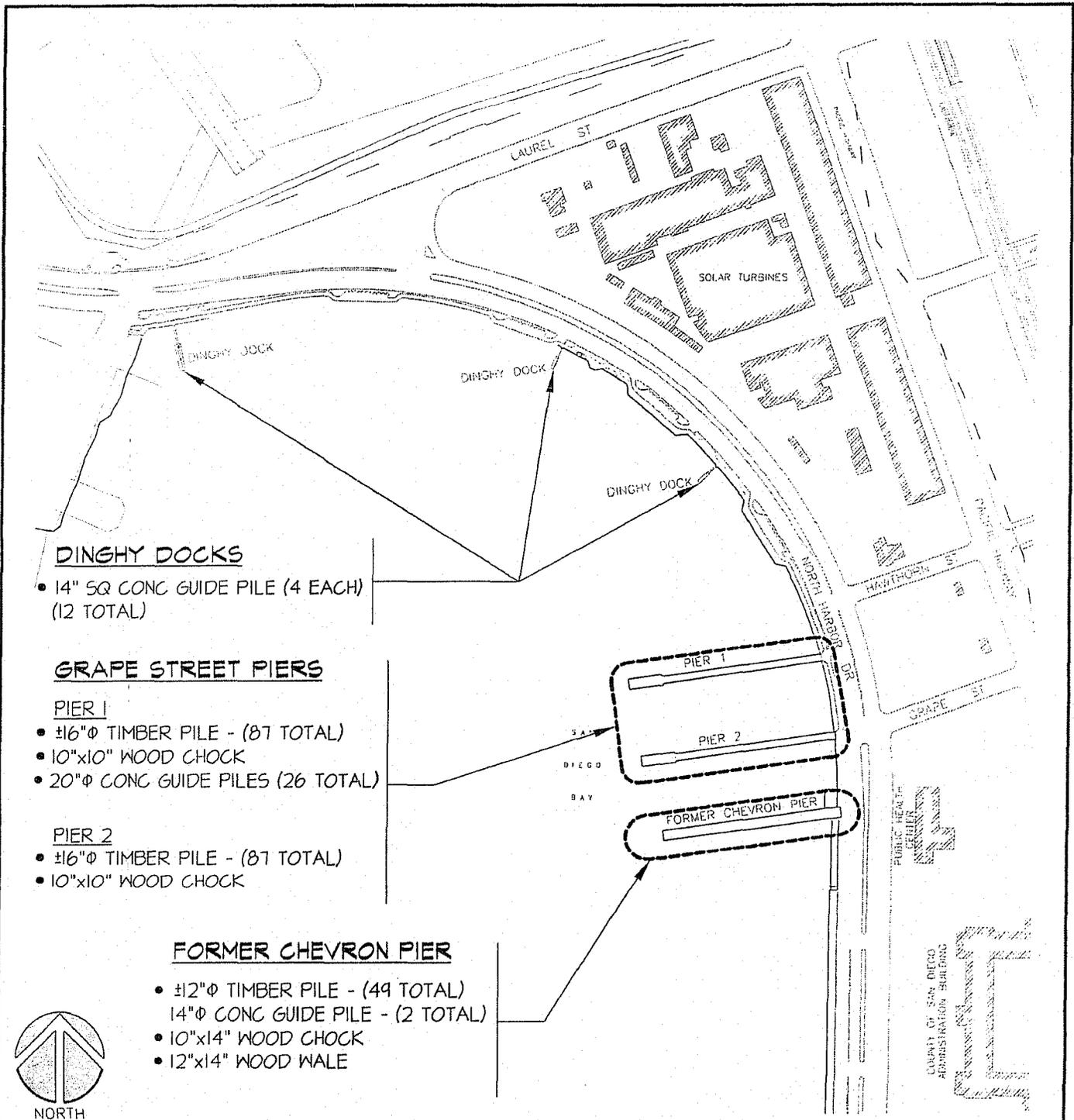
ROBERT FRANKEL

DRAWN BY: PMD CHECKED BY: A S PE

IN: SAN DIEGO BAY
AT: SAN DIEGO
COUNTY OF: SAN DIEGO STATE: CA

APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

SHEET 2 OF 10 DATE: 06-20-06
DWG NO: 323-C REV: -



DINGHY DOCKS

- 14" SQ CONC GUIDE PILE (4 EACH) (12 TOTAL)

GRAPE STREET PIERS

PIER 1

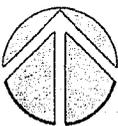
- 1/2"Ø TIMBER PILE - (87 TOTAL)
- 10"x10" WOOD CHOCK
- 20"Ø CONC GUIDE PILES (26 TOTAL)

PIER 2

- 1/2"Ø TIMBER PILE - (87 TOTAL)
- 10"x10" WOOD CHOCK

FORMER CHEVRON PIER

- 1/2"Ø TIMBER PILE - (49 TOTAL)
- 14"Ø CONC GUIDE PILE - (2 TOTAL)
- 10"x14" WOOD CHOCK
- 12"x14" WOOD WALE



NORTH

GRAPE STREET PIERS, FORMER CHEVRON PIER AND DINGHY DOCKS

SCALE: 1" = 400'

PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.
ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101

DIRECTOR OF ENGINEERING/CONSTRUCTION

ROBERT FRANKEL

DRAWN BY: PMD CHECKED BY: A S PE

IN: SAN DIEGO BAY
AT: SAN DIEGO
COUNTY OF: SAN DIEGO STATE: CA
APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

SHEET 3 OF 10 DATE: 06-20-06
DWG NO: 323-C REV: -

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EMBARCADERO WHARF

- ±14"φ TIMBER PILE - (171 TOTAL)
- ±15.25"φ PLASTIC PILE - (4 TOTAL)
- 10"x12" WOOD CHOCK
- 12"x12" WOOD WALE

B STREET PIER

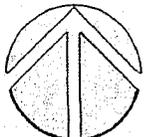
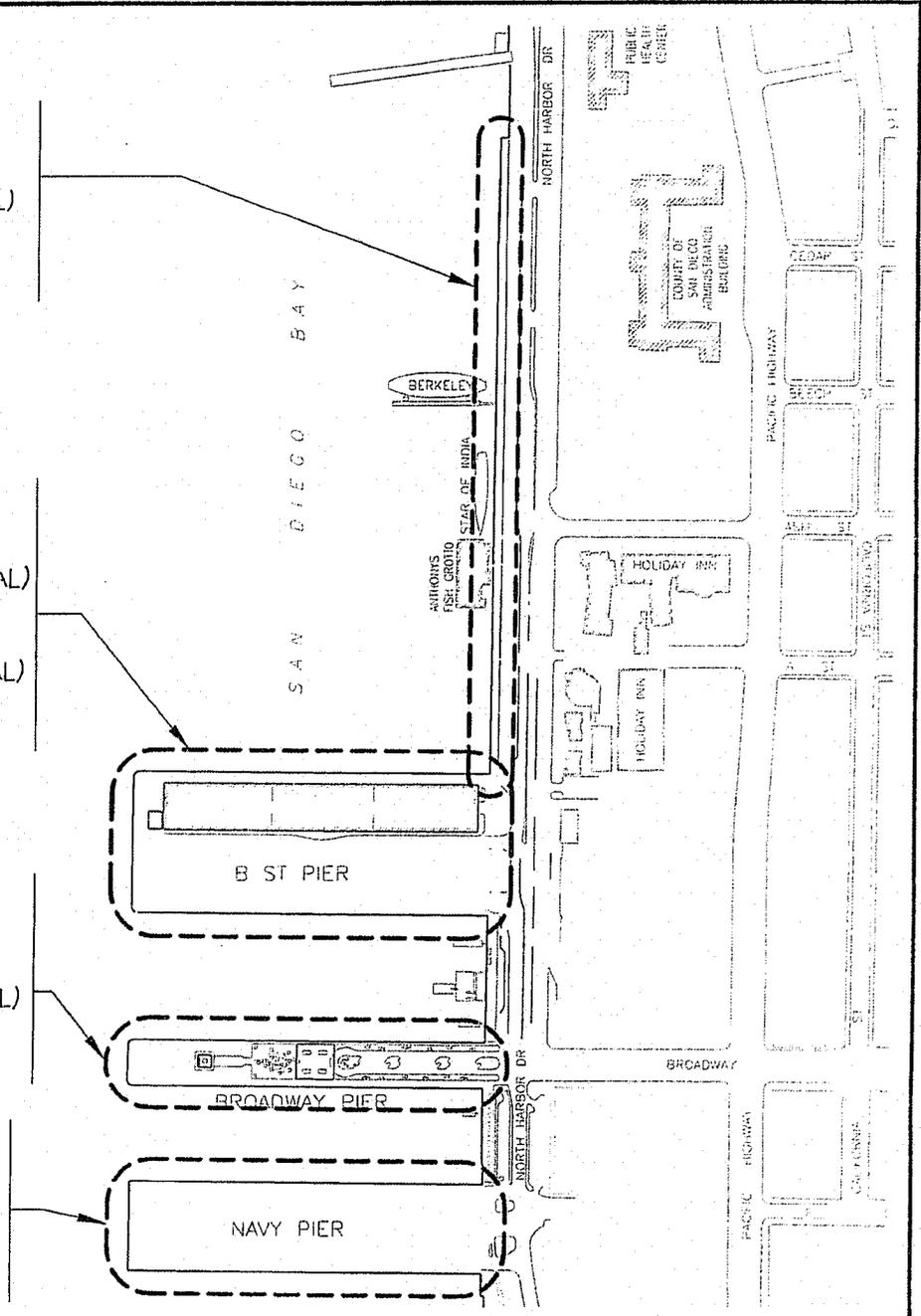
- ±16"φ TIMBER PILE - (339 TOTAL)
- ±15.25"φ PLASTIC PILE - (60 TOTAL)
- ±15.25"φ PLASTIC CLUSTER PILE - (12-10EA = 120 TOTAL)
- 10'x16' MARINE FENDER - (12 TOTAL)
- 10"x12" WOOD CHOCK
- 12"x12" WOOD WALE

BROADWAY PIER

- ±16"φ TIMBER PILE - (242 TOTAL)
- ±16"φ TIMBER CLUSTER PILE - (14-10EA = 140 TOTAL)
- 10'x16' MARINE FENDER - (14 TOTAL)
- 10"x12" WOOD CHOCK
- 12"x12" WOOD WALE

NAVY PIER

- ±16"φ TIMBER PILE - (185 TOTAL)
- 12"x14" WOOD CHOCK
- 14"x14" WOOD WALE



NORTH

EMBARCADERO WHARF, B STREET PIER, BROADWAY PIER AND NAVY PIER

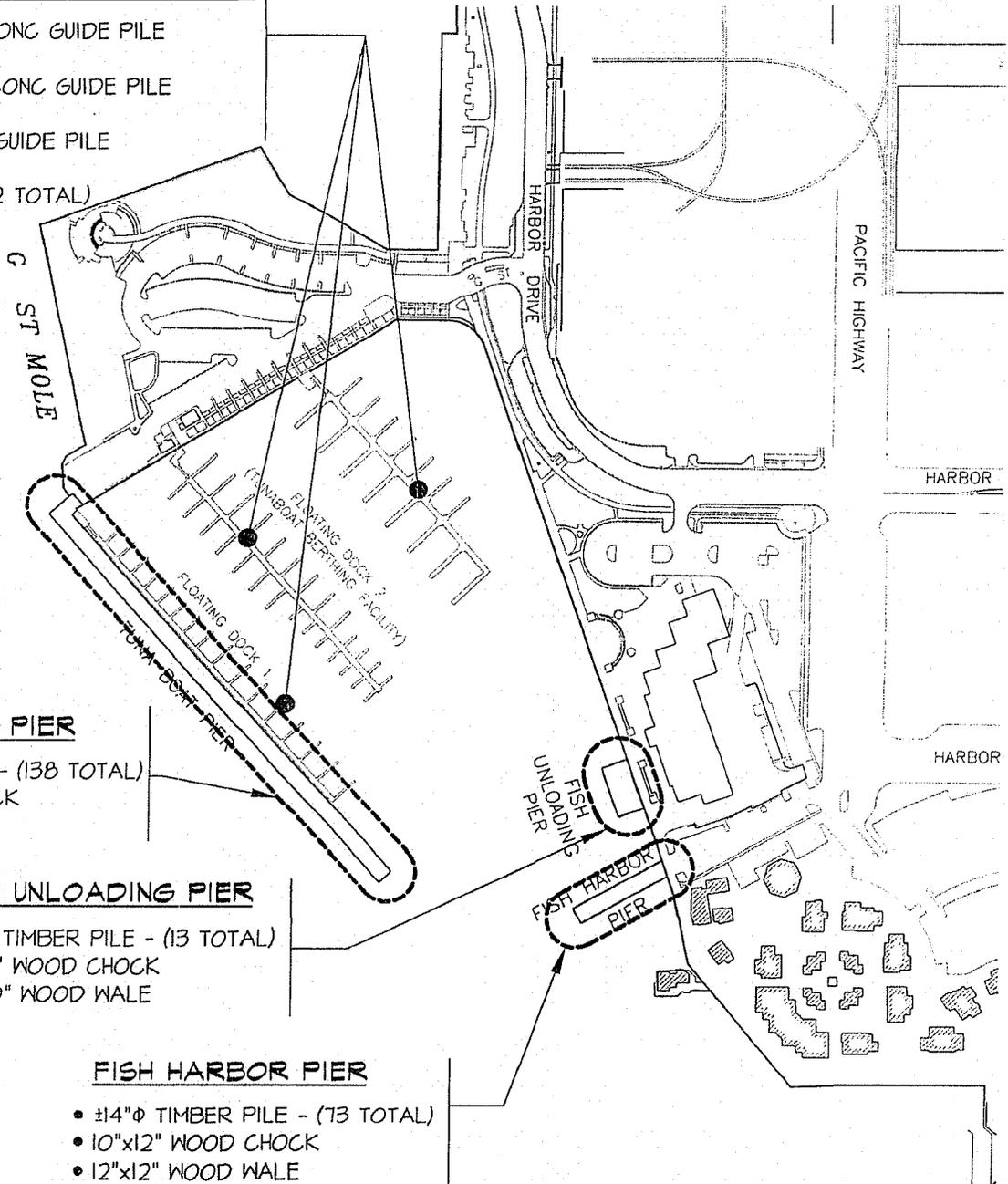
SCALE: 1" = 500'

PURPOSE: FENDERING SYSTEM REPLACEMENT SAN DIEGO, CALIFORNIA	SAN DIEGO UNIFIED PORT DISTRICT 3165 PACIFIC HIGHWAY SAN DIEGO, CA 92101	IN: SAN DIEGO BAY AT: SAN DIEGO COUNTY OF: SAN DIEGO STATE CA
DATUM: M.L.L.W. ADJACENT PROPERTY OWNERS: SAN DIEGO UNIFIED PORT DISTRICT	DIRECTOR OF ENGINEERING/CONSTRUCTION _____ ROBERT FRANKEL DRAWN BY: PMD CHECKED BY: A S PE	APPLICATION BY: SAN DIEGO UNIFIED PORT DISTRICT SHEET 4 OF 10 DATE: 06-20-06 DWG NO: 323-C REV: -

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TUNA BOAT BERTHING FACILITY

- 18" OCTAGONAL CONG GUIDE PILE (54 TOTAL)
- 20" OCTAGONAL CONG GUIDE PILE (28 TOTAL)
- 12" SQUARE CONG GUIDE PILE (17 TOTAL)
- 16"Ø TIMBER PILE (2 TOTAL)
- 10"x12" CHOCK
- 12"x12" WALE



TUNA HARBOR PIER

- 1/4"Ø TIMBER PILE - (138 TOTAL)
- 10"x12" WOOD CHOCK
- 12"x12" WOOD WALE

FISH UNLOADING PIER

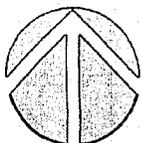
- 1/2"Ø TIMBER PILE - (13 TOTAL)
- 8"x10" WOOD CHOCK
- 10"x10" WOOD WALE

FISH HARBOR PIER

- 1/4"Ø TIMBER PILE - (73 TOTAL)
- 10"x12" WOOD CHOCK
- 12"x12" WOOD WALE

TUNA HARBOR PIER, FISH HARBOR PIER AND FISH UNLOADING PIER

SCALE: 1" = 300'



NORTH

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PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.
ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

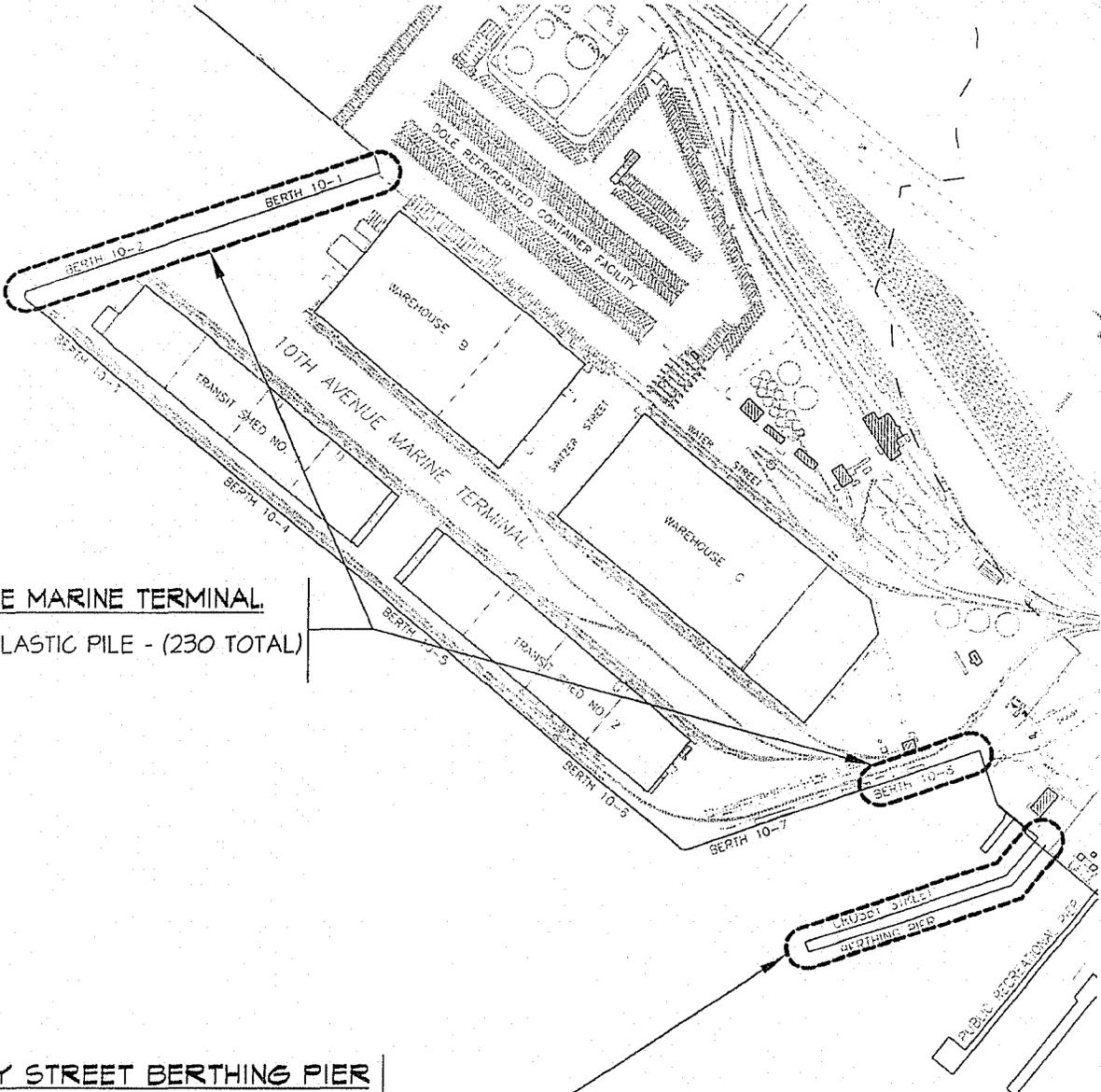
SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101

DIRECTOR OF ENGINEERING/CONSTRUCTION

ROBERT FRANKEL
DRAWN BY: PMD CHECKED BY: A S PE

IN: SAN DIEGO BAY
AT: SAN DIEGO
COUNTY OF: SAN DIEGO STATE: CA
APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

SHEET 5 OF 10 DATE: 06-20-06
DWG NO: 323-C REV: -

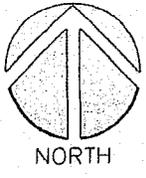


10TH AVE MARINE TERMINAL

- $\pm 15.25"$ ϕ PLASTIC PILE - (230 TOTAL)

CROSBY STREET BERTHING PIER

- $\pm 16"$ ϕ TIMBER PILE - (85 TOTAL)
- $\pm 15.25"$ ϕ PLASTIC PILE - (93 TOTAL)
- 10"x12" WOOD CHOCK
- 12"x12" WOOD WALE



10TH AVENUE MARINE TERMINAL AND CROSBY STREET BERTHING PIER

SCALE: 1" = 500'

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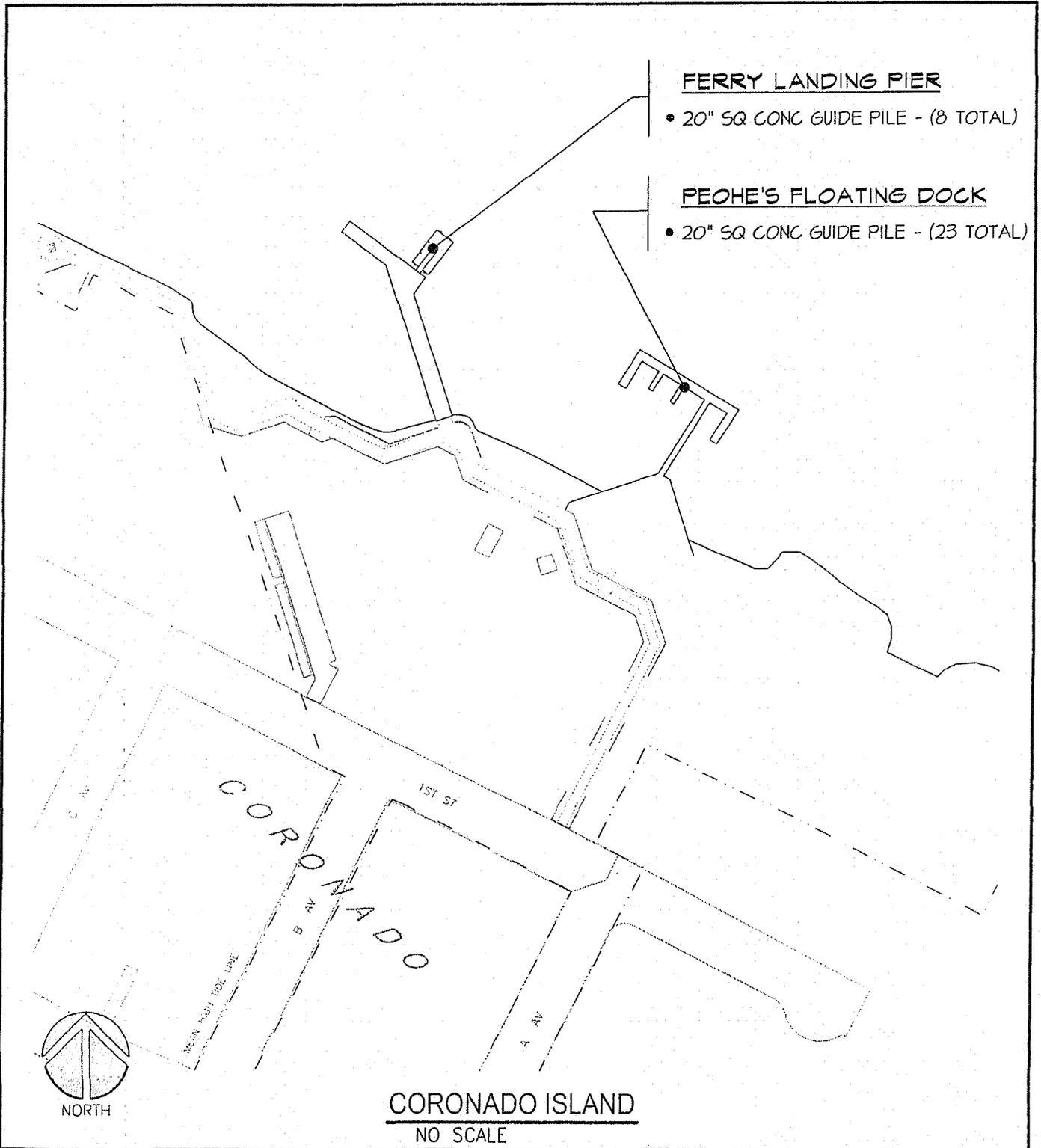
PURPOSE: FENDERING SYSTEM REPLACEMENT SAN DIEGO, CALIFORNIA	SAN DIEGO UNIFIED PORT DISTRICT 3165 PACIFIC HIGHWAY SAN DIEGO, CA 92101 DIRECTOR OF ENGINEERING/CONSTRUCTION	IN: SAN DIEGO BAY AT: SAN DIEGO COUNTY OF: SAN DIEGO STATE: CA APPLICATION BY: SAN DIEGO UNIFIED PORT DISTRICT
DATUM: M.L.L.W. ADJACENT PROPERTY OWNERS: SAN DIEGO UNIFIED PORT DISTRICT	ROBERT FRANKEL DRAWN BY: PMD CHECKED BY: A S PE	SHEET 6 OF 10 DATE: 06-20-06 DWG NO: 323-C REV: -

FERRY LANDING PIER

- 20" SQ CONC GUIDE PILE - (8 TOTAL)

PEOHE'S FLOATING DOCK

- 20" SQ CONC GUIDE PILE - (23 TOTAL)



CORONADO ISLAND
NO SCALE

PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.
ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101

DIRECTOR OF ENGINEERING/CONSTRUCTION

ROBERT FRANKEL
DRAWN BY: PMD CHECKED BY: A S PE

IN: SAN DIEGO BAY
AT: CORONADO
COUNTY OF: SAN DIEGO STATE: CA
APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

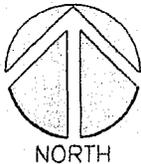
SHEET 7 OF 10 DATE: 06-20-06
DWG NO: 323-C REV: -

BERTH 24-1

- 16"Ø TIMBER PILE - (49 TOTAL)
- 10"x10" WOOD CHOCK
- 10"x10" WOOD WALE

BERTH 24-10 & 24-11

- 16"Ø TIMBER PILE - (120 TOTAL)
- 15.25"Ø REINFORCED PLASTIC PILE (45 TOTAL)
- 16"Ø.D. WITH 0.5" WALL FIBERGLASS REINFORCED PLASTIC PILE - (22 TOTAL)
- 10"x10" WOOD CHOCK AT BERTH 24-10
- 10"x10" WOOD WALE AT BERTH 24-10
- 12"x10" WOOD CHOCK AT BERTH 24-11
- 12"x12" WOOD WALE AT BERTH 24-11



NATIONAL CITY MARINE TERMINAL

SCALE: 1" = 800'

PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.
ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

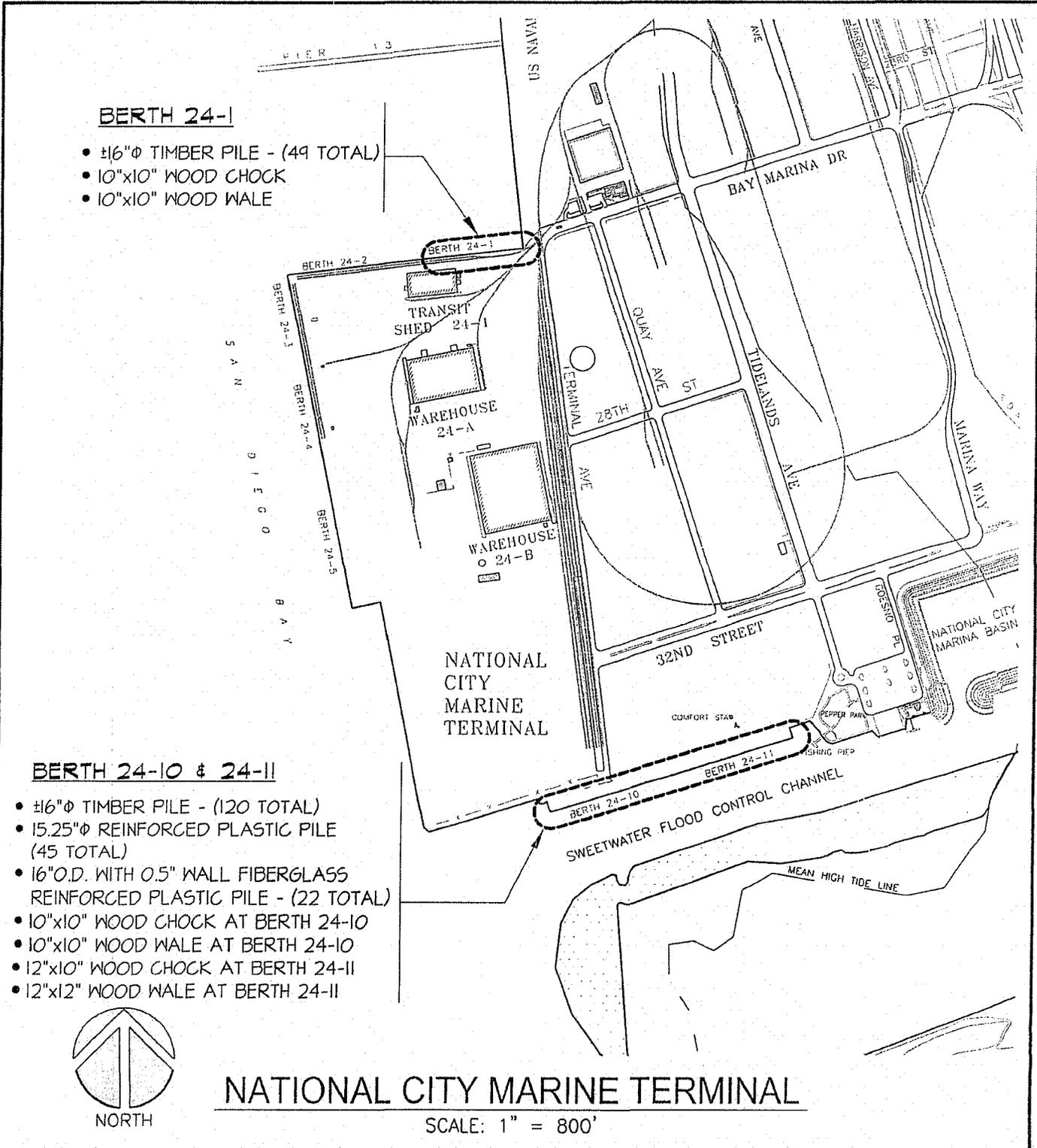
SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101
DIRECTOR OF ENGINEERING/CONSTRUCTION

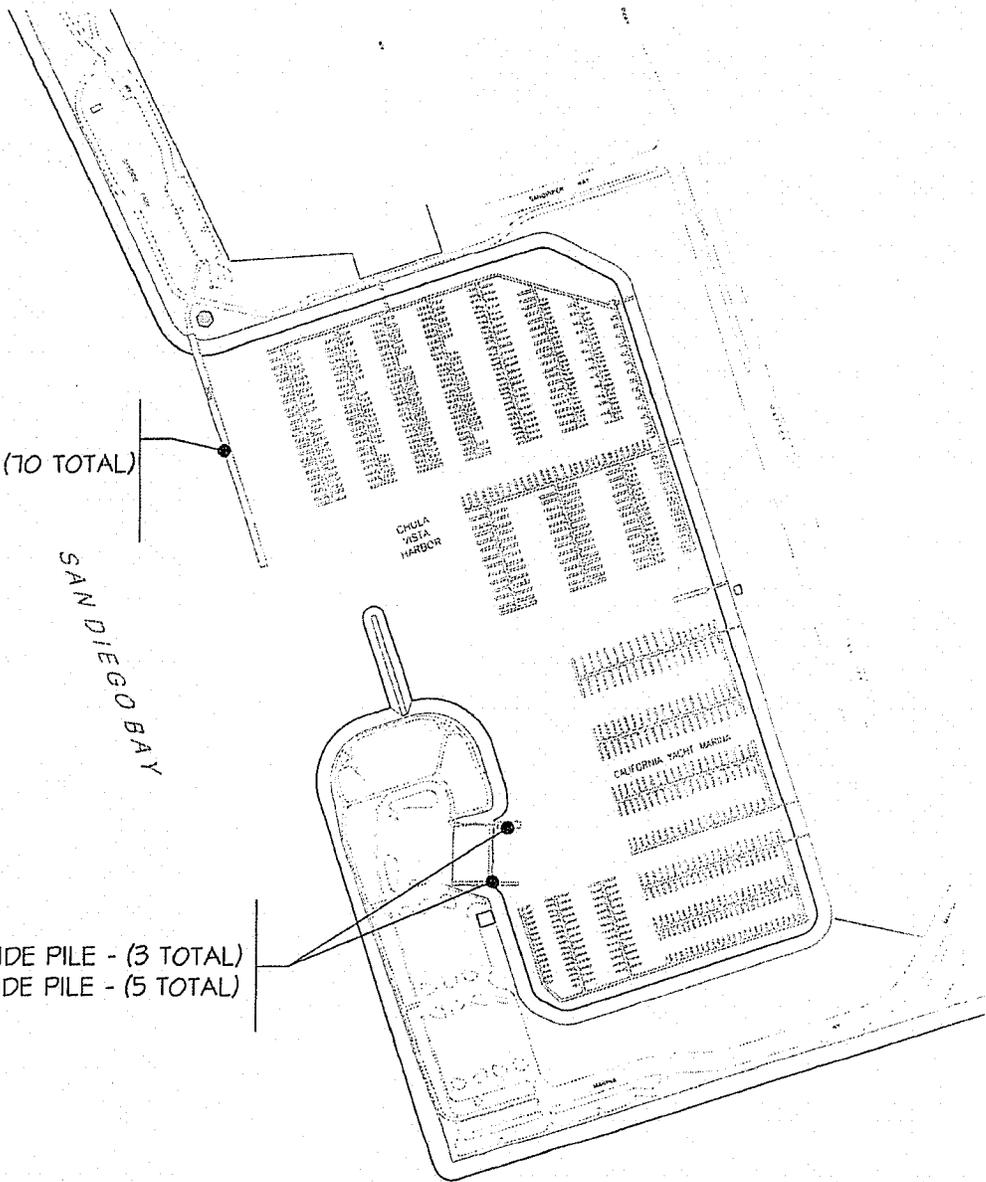
ROBERT FRANKEL
DRAWN BY: PMD CHECKED BY: A S PE

IN: SAN DIEGO BAY
AT: NATIONAL CITY
COUNTY OF: SAN DIEGO STATE: CA
APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

SHEET 8 OF 10 DATE: 06-20-06
DWG NO: 323-C REV: -

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FISHING PIER

- 14"Ø WOOD FENDER PILE (10 TOTAL)
- 10"x12" WOOD CHOCK
- 12"x12" WOOD WALE

**LAUNCHING RAMP
FLOATING DOCKS**

- 18" OCTAGONAL CONC GUIDE PILE - (3 TOTAL)
- 16" OCTAGONAL CONC GUIDE PILE - (5 TOTAL)



CHULA VISTA

SCALE: 1" = 500'

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PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.

ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101

DIRECTOR OF ENGINEERING/CONSTRUCTION

ROBERT FRANKEL

DRAWN BY: PMD CHECKED BY: A S PE

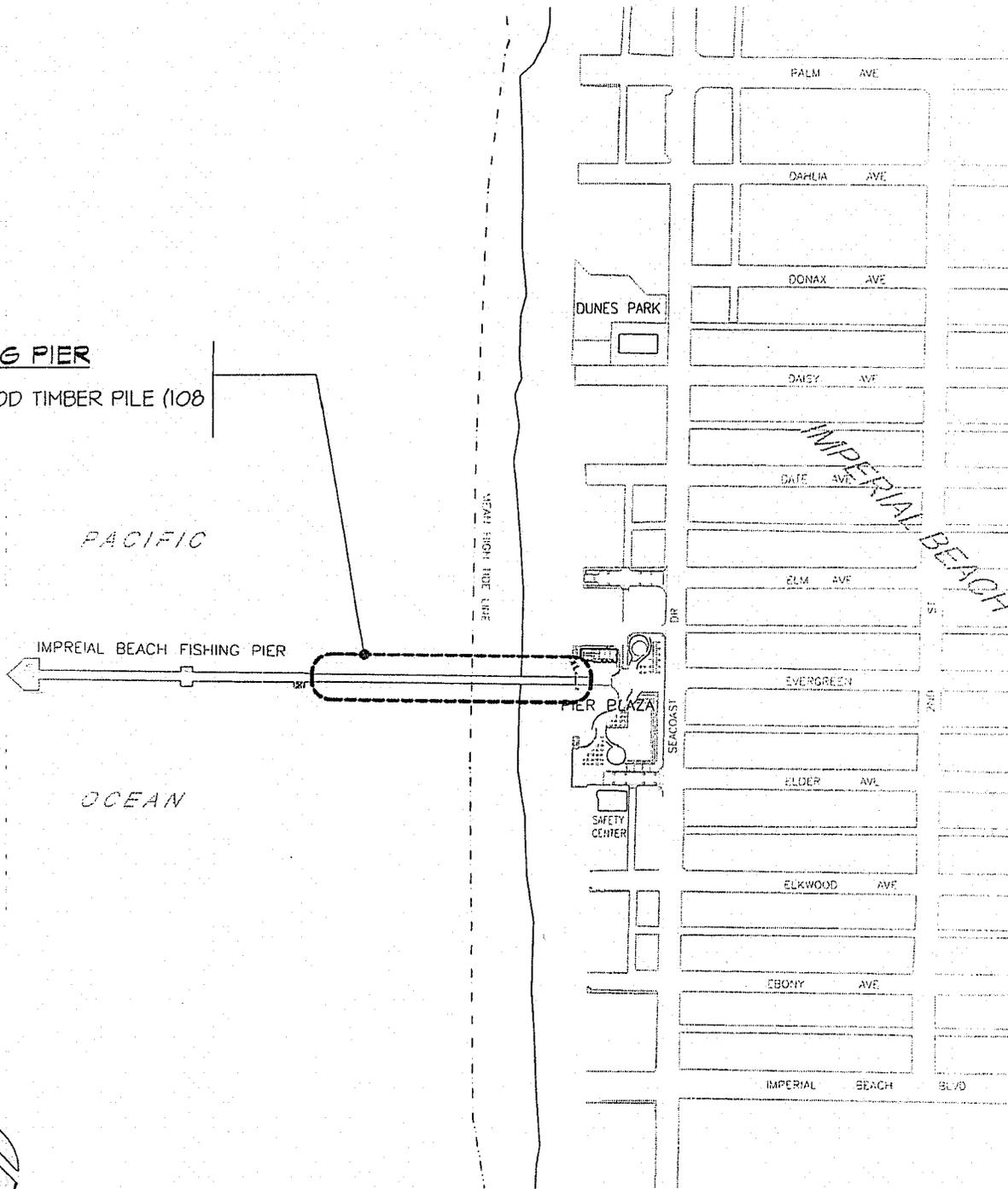
IN: SAN DIEGO BAY
AT: CHULA VISTA
COUNTY OF: SAN DIEGO STATE: CA

APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

SHEET 9 OF 10 DATE: 06-20-06
DWG NO: 323-C REV:

FISHING PIER

- 16"Ø WOOD TIMBER PILE (108 TOTAL)



IMPERIAL BEACH PIER

SCALE: 1" = 400'

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PURPOSE: FENDERING SYSTEM REPLACEMENT
SAN DIEGO, CALIFORNIA

DATUM: M.L.L.W.

ADJACENT PROPERTY OWNERS:
SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101

DIRECTOR OF ENGINEERING/CONSTRUCTION

IN: PACIFIC OCEAN
AT: IMPERIAL BEACH
COUNTY OF: SAN DIEGO STATE, CA

APPLICATION BY:
SAN DIEGO UNIFIED PORT DISTRICT

ROBERT FRANKEL

DRAWN BY: PMD CHECKED BY: A S PE

SHEET 10 OF 10 DATE: 06-20-06
DWG NO: 323-C REV: -