

ORIGINAL



DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, CORPS OF ENGINEERS
P.O. BOX 532711
LOS ANGELES, CALIFORNIA 90053-2325

August 1, 2008

REPLY TO

ATTENTION OF

Office of the Chief
Regulatory Division

David Rocha
County of Orange, OC Dana Point Harbor
24650 Dana Point Harbor Drive
Dana Point, California 92629

Dear Mr. Rocha:

Enclosed you will find a signed copy of your Department of the Army Permit (File No. SPL-2006-01052). Please retain this copy for your files.

Thank you for participating in our regulatory program. If you have any questions, please contact Daniel Swenson of my staff at 213-452-3414 or via e-mail at Daniel.P.Swenson@usace.army.mil.

Please be advised that you can now comment on your experience with Regulatory Division by accessing the Corps web-based customer survey form at:
<http://per2.nwp.usace.army.mil/survey.html>.

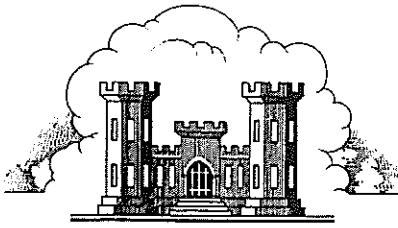
Sincerely,

A handwritten signature in black ink, appearing to read "Daniel P. Swenson".

Daniel P. Swenson
Senior Project Manager
South Coast Branch
Regulatory Division

Enclosure(s)

08-05-08A11:56 RCVD



LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS

Permittee: County of Orange, Dana Point Harbor Dept., David L. Rocha

Permit Number: SPL-2006-1052-DPS

Issuing Office: Los Angeles 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 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: To conduct maintenance dredging and beach nourishment in portions of Dana Point Harbor, in the City of Dana Point, Orange County, California and to discharge dredged material (for beach nourishment) at Baby Beach and at Capistrano Beach County Park, in the City of Dana Point, Orange County, California and at the LA-3 off-shore disposal site, as shown on the attached drawings.

Specifically, you are authorized to:

1. Conduct dredging operations, including removal, transport, and discharges, as follows: A hydraulic cutter/suction head dredge and/or a clamshell/excavator-type/hopper dredge will be used to pump dredged material through a temporary pipeline to the two beach nourishment sites (Baby Beach within harbor and Capistrano Beach County Park). Alternatively, for Baby Beach only, dredged material may be offloaded onto the lower elevations of the beach and pushed higher up onto the beach using mechanized equipment (i.e., without the use of a pipe). Discharges of dredged material at the LA-3 off-shore disposal site will be done exclusively using a clamshell/excavator-type/hopper dredge and scows.
2. Authorized disposal methods for beach and nearshore placement are as follows:
 - a. A temporary pipe will be installed from Dana Point Harbor to the disposal sites at Baby Beach and Capistrano Beach County Park. The pipe will be submerged and will lie on the ocean bottom. The pipe will have a surface hookup within the harbor and will emerge onto Capistrano Beach, above the high tide line. Dredged

material will be pushed around and over the pipe on the beach to create ramps for people and equipment to cross over the pipe. The pipe will be in place for a maximum of twelve weeks. Dredged material will be spread across the beach using mechanized equipment.

- b. Dredged material will be transported to the beach nourishment sites via barge or hopper dredge and then pumped onshore from the barge/hopper dredge via a shore-perpendicular pipeline.
 - c. Dredged material will be transported either by pipeline, barge, or hopper dredge and discharged at the approved nearshore disposal site located approximately 3000 ft offshore of Doheny State Beach and covering an area of approximately 10 acres (400 lin ft x 1000 lin ft) (as shown on attached drawings: "Sheet 13: Doheny Beach Nearshore Fill (Bid Alternative B)" dated March 2008 and "Figure 1: Video, Sonar, and Diver Transects" dated January 2008.
3. Channel deepening will be conducted adjacent to the existing Pilgrim Moorage in order to provide an alternate mooring location for an Ocean Institute vessel (Spirit of Dana Point, a topsail schooner for at-sea programs) or other similarly-sized, visiting vessels. This area (approx. 190 ft x 50 ft, 9500 ft²) will be deepened from -8 ft MLLW to -10 ft MLLW. The new authorized design depth for this site will be -10 ft MLLW.

Project Location: The proposed work would take place within the Dana Point Harbor, in the City of Dana Point, Orange County, California (dredging site: latitude: 33.45926, longitude: 117.69534), as well as separate beach nourishment sites, Capistrano Beach County Park, in the City of Capistrano, Orange County, California (33.45061, 117.67067) and Doheny State Beach (approx. 2200 lin ft south of Capistrano State Beach, and the off-shore disposal site, LA-3.

Permit Conditions:

General Conditions:

1. The time limit for completing the authorized activity ends on June 27, 2011. 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. 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 with the terms and conditions of your permit.

Special Conditions:

Dredging conditions-

1. For this permit, the term dredging operations shall mean: navigation of the dredging vessel at the dredging site, excavation of dredged material within the project boundaries, and placement of dredged material into: i) hopper dredge, disposal barge, or scow; and/or ii) a temporary pipeline for transport of material to beach disposal sites.
2. Dredging authorized in this permit shall be limited to the areas defined in the attached figures (Plans for Maintenance Dredging of Dana Point Harbor, sheets 1-12, dated October 4, 2007). No more than 113,900 cubic yards of dredged material are authorized for dredging from the Dana Point Harbor by the Permittee. No dredging is authorized in any other location under this permit. This permit does not authorize the placement or removal of buoys.
3. For this permit, the maximum dredging design depth (also known as the project depth or grade) shall be as shown on the attached figures (Plans for Maintenance Dredging of Dana Point Harbor, sheets 1-12, dated October 4, 2007), with a maximum allowable overdredge depth of 2 feet below the design depth. No dredging shall occur deeper than the authorized dredging design depth for each particular site within Dana Point Harbor plus the 2 feet of overdredge depth or outside the project boundaries.
4. Prior to any dredging for channel deepening adjacent to the existing Pilgrim Moorage (as described in the authorized Project Description item No. 4 above), the Permittee shall provide two copies of:
 - A) Documentation verifying no buried utilities would be impacted by the deepening;
 - B) An engineering study verifying the deepening would have no deleterious effects on adjacent bulkheads, slopes, or other structures.
5. The Permittee is prohibited from dredging and disposing material in navigable waters of the U.S. that has not been tested and determined by the Corps, in consultation with the Environmental Protection Agency Region IX (EPA), to be both clean and suitable for disposal in ocean waters. Re-testing of previously tested or dredged areas is required after three years

from the date of sediment sampling. This time limit is subject to shortening given the occurrence of any event that may cause previously determined clean material to become suspect, at the discretion of the Corps. Prior to each dredging episode, the Permittee must demonstrate that the proposed dredged materials are chemically and physically suitable for disposal in ocean waters according to the provisions of the Inland Testing Manual or Ocean Disposal Manual as appropriate. If the material does not meet the physical and chemical criteria for unconfined disposal in ocean waters, the dredged material shall be disposed in an upland disposal area. The Permittee shall submit to the Corps and EPA a draft sampling and analysis plan (SAP). Sampling may not commence until the SAP is approved, in writing, by the Corps, in consultation with EPA.

6. At least 15 calendar days before initiation of any dredging operations authorized by this permit, the Permittee shall send a dredging and disposal operations plan to the Corps and EPA, with the following information:

- A) A list of the names, addresses and telephone numbers of the Permittee's project manager, the contractor's project manager, the dredging operations inspector, the disposal operations inspector and the captain of each tug boat, hopper dredge or other form of vehicle used to transport dredged material to the designated disposal site.
- B) A list of all vessels, major dredging equipment and electronic positioning systems or navigation equipment that will be used for dredging and disposal operations, including the capacity, load level and acceptable operating sea conditions for each hopper dredge or disposal barge or scow to assure compliance with special conditions on dredging and disposal operations.
- C) A detailed description of the dredging and disposal operations authorized by this permit. Description of the dredging and disposal operations should include, at a minimum, the following:
 - i. Dredging and disposal procedures for 113,900 cubic yards to be dredged from the Permittee's proposed sites within Dana Point Harbor. Areas shallower than the dredging design depth shall be shaded green, areas between the dredging design depth and overdredge depth shall be shaded yellow, and areas below overdredge depth that will not be dredged shall be shaded blue. If these areas are not clearly shown, the Corps may request additional information.
 - ii. A schedule showing when the dredging project is planned to begin and end.
- D) A predredging bathymetric condition survey (presented as a large format plan view drawing), taken within thirty (30) days before the dredging begins, accurate to 0.5-foot with the exact location of all soundings clearly defined on the survey chart. The predredge survey chart shall be prepared showing the following information:
 - i. The entire dredging area, the toe and top of all side-slopes and typical cross sections of the dredging areas. To ensure that the entire area is surveyed, the predredge condition survey should cover an area at least 50 feet outside the top of the side-slope or the boundary of the dredging area, unless obstructions are encountered.
 - ii. The dredging design depth, overdredge depth and the side-slope ratio.
 - iii. The total quantity of dredged material to be removed from the dredging areas and the side-slope areas.

- iv. Areas shallower than the dredging design depth shall be shaded green, areas between the dredging design depth and overdredge depth shall be shaded yellow, and areas below overdredge depth that will not be dredged shall be shaded blue. If these areas are not clearly shown, the Corps may request additional information.
 - v. The predredging survey chart shall be signed by the Permittee to certify that the data are accurate and that the survey was completed within thirty (30) days before the proposed dredging start date.
- E) A debris management plan to prevent disposal of large debris at all disposal locations. The debris management plan shall include: sources and expected types of debris, debris separation and retrieval methods, and debris disposal methods.

7. The Permittee shall not commence dredging operations unless and until the Permittee receives a Notice to Proceed, in writing (via letter or e-mail), from the Corps.

8. The Permittee shall maintain a copy of this permit on all vessels used to dredge, transport and dispose of dredged material authorized under this permit.

9. The Permittee shall notify the Commander Eleventh Coast Guard District (USCG), and the Coast Guard Marine Safety Office / Group LA-LB not less than 14 calendar days prior to commencing work and as project information changes. A copy of each notification to the USCG shall be sent to the Corps for our file. 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) Vessels involved in the operation (name, size and type).
- E) VHF-FM radio frequencies monitored by vessels on scene.
- F) 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,
 BM1 Ron Hellberg
 TEL: (510) 437-2986
 FAX: (510) 437-3423
 E-mail: d11lnm2uscg.mil

U.S. Coast Guard
 Marine Safety Office / Group LA-LB
 1001 South Seaside Ave., Bldg 20
 San Pedro, CA 90731
 Attn: Waterways Management
 TEL: (310) 732-2020

10. The Permittee and its 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 its contractor notifies the USCG 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 USCG, Aids to Navigation office. The Permittee and its contractor(s) are prohibited from relocating or removing any aids to navigation until authorized to do so by the Corps and the U.S. Coast Guard

11. 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. 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 USCG.

12. The Permittee shall ensure that the captain of any hopper dredge, tug or other vessel used in the dredging and disposal operations, is a licensed operator under USCG regulations and follows the Inland and Ocean Rules of Navigation or the USCG Vessel Traffic Control Service. All such vessels, hopper dredges or disposal barges or scows, shall have the proper day shapes, operating marine band radio, and other appropriate navigational aids.

13. The Permittee's contractor(s) and the captain of any dredge covered by this permit shall monitor VHF-FM channels 13 and 16 while conducting dredging operations.

14. Upon request, the Permittee and its contractor(s) shall allow inspectors from the Corps, EPA, and(or) the USCG to inspect all phases of the dredging and disposal operations.

15. Upon request, the Permittee and its contractor(s) retained to perform work authorized by the permit or to monitor compliance with this permit shall make available to inspectors from the Corps, EPA, and(or) the USCG the following: dredging and disposal operations inspectors' logs, the vessel track plots and all disposal vessel logs or records, any analyses of the characteristics of dredged material, or any other documents related to dredging and disposal operations.

16. The permitted activity shall not interfere with the public's right to free navigation on all navigable waters of the United States.

17. If a violation of any permit condition occurs, the violation shall be reported by the Permittee to the Corps within twenty-four (24) hours. If the Permittee retains any contractors to perform any activity authorized by this permit, the Permittee shall instruct all such contractors that notice of any violations must be reported to the Permittee immediately.

18. Turbidity sampling shall occur at three sampling stations. Station A shall be located 500 feet updrift of the dredging activities. Station B shall be located inside any visual plume at the dredging site and/or within the silt curtain if possible. Station C shall be located between 0 and 250 feet downdrift outside the silt curtain of the dredging activities and inside any visual plume if possible. At these stations, a Secchi Disc or turbidity meter shall be used each day during dredging activities to sample turbidity on an hourly basis. A written log of turbidity measurements shall be maintained and provided as part of the post-dredging completion report. If at any time turbidity at station C increases more than 20% over turbidity at station A, dredging operations shall be suspended and appropriate measures shall be taken to reduce

turbidity to an acceptable level (i.e., less than 20% difference between stations A and C) prior to resuming dredging operations.

19. During transit from the dredging site to the disposal site, the level that a hopper dredge can be filled shall not exceed the load line (Plimsoll line) to prevent any dredged material or water from spilling over the sides. No hopper dredge shall be filled above this predetermined level during transit. Before each hopper dredge is transported to the disposal site, the dredging site inspector shall certify that it is filled correctly.

20. When using a disposal barge or scow, no water shall be allowed to flow over the sides. The level that a disposal barge or scow can be filled shall not exceed the load line (Plimsoll line) to prevent any dredged material or water from spilling over the sides at the dredging site or during transit from the dredging site to the disposal site. No disposal barge or scow shall be filled above this predetermined level. Before each disposal barge or scow is transported to the disposal site, the dredging site inspector shall certify that it is filled correctly.

21. The Permittee shall use an electronic positioning system to navigate at the dredging site. The electronic positioning system shall have a minimum accuracy and precision of +/- 10 feet (3 meters). If the electronic positioning system fails or navigation problems are detected, all dredging operations shall cease until the failure or navigation problems are corrected. Any navigation problems and corrective measures shall be described in the post-dredging completion report per Special Condition 22.

22. The Permittee shall submit a post-dredging completion report to the Corps within 30 calendar days after completion of each dredging project to document compliance with all general and special conditions defined in this permit. The report shall include all information collected by the Permittee, the dredging operations inspector and the disposal operations inspector or the disposal vessel captain as required by the special conditions of this permit. The report shall indicate whether all general and special permit conditions were met. Any violations of the permit shall be explained in detail. The report shall further include the following information:

- A) Permit and project number.
- B) Start date and completion date of dredging and disposal operations.
- C) Total cubic yards disposed at the Baby Beach and Capistrano beach sites.
- D) Mode of dredging.
- E) Mode of transportation.
- F) Form of dredged material.
- G) Frequency of disposal to the Baby Beach and Capistrano beach sites.
- H) Tug boat or other disposal vessel logs documenting contact with the USCG before each trip to the ocean disposal site.
- I) Percent sand, silt and clay in dredged material (may be data from previous analysis).
- J) A certified report from the dredging site inspector indicating all general and special permit conditions were met. Any violations of the permit shall be explained in detail.
- K) A detailed post-dredging hydrographic survey of the dredging area. The survey shall show areas above the dredging design depth shaded green, areas between the dredging design depth and overdredge depth shaded yellow, areas below overdredge depth that were not dredged or areas that were deeper than the overdredge depth before the project began as indicated on the predredging survey shaded blue, and areas

dredged below the overdredge depth or outside the project boundaries shaded red. The methods used to prepare the post-dredging survey shall be the same methods used in the predredging condition survey. The survey shall be signed by the Permittee certifying that the data are accurate.

L) The post-dredging report shall be signed by a duly authorized representative of the Permittee. The Permittee's representative shall make the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

23. 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. Upon completion of the project authorized herein, any and all excess material or debris shall be completely removed from the work area and disposed of in an appropriate upland site.

Beach Disposal (beach nourishment) conditions-

1. The Permittee shall not commence beach disposal operations unless and until the Permittee receives a Notice to Proceed, in writing (via letter or e-mail), from the Corps.

2. The Permittee shall ensure that a monitor will be in place to observe all on-shore discharges and ensure that all large debris will be manually removed.

3. Pre-project surveys shall be conducted to evaluate beach suitability for grunion activity. In the event that beach nourishment operations would extend beyond March 1 through August (the grunion spawning season), and if surveys indicate that beach conditions are found to be suitable for grunion activity or grunion activity is detected at any time, the permittee shall refrain from work and immediately notify the Corps (within 24 hours). After coordination with NOAA Fisheries, to ensure that impacts to California grunion are minimized to the greatest extent possible, then the Corps may authorize the permittee to proceed.

4. If a violation of any permit condition occurs during discharge operations, the Permittee shall report such violations to the Corps within twenty-four (24) hours after the violation occurs. If the permittee retains any contractors to perform any activity authorized by this permit or to monitor compliance with this permit, the Permittee shall instruct all such contractors that notice of any permit violations must be provided to the Permittee immediately so the Permittee can report the violation as required.

5. The permittee shall maintain a copy of this permit on all vehicles used to transport and discharge of fill material authorized under this permit.

6. The permittee shall send one (1) copy of a beach disposal post-discharge report to the Los Angeles District's Regulatory Division documenting compliance with all general and special conditions defined in this permit. The post-discharge report shall be sent within 30 calendar

days after completion of the discharge operations authorized in this permit. The report shall indicate whether all general and special permit conditions were met. Any violations of the permit shall be explained in detail. The report shall include:

- i. Corps permit number.
- ii. Identify source of material.
- iii. Total cubic yards disposed at each beach disposal site.
- iv. Modes of transportation and discharge.
- v. Actual start date and completion date of transport and discharge operations.
- vi. Verification of debris removal requirements (see Beach Disposal special condition #2 above).

7. The Permittee shall implement all appropriate, standard Best Management Practices to ensure that toxic materials, silt, debris, or excessive eroded materials do not enter waters of the U.S. due to beach nourishment operations.

8. The applicant will establish a safety flag perimeter of the beach nourishment area during disposal activities, and monitor the premises to protect the general public from construction hazards and equipment.

9. No maintenance, storage, or fueling of heavy tracked equipment or vehicles will occur within 500 feet of the high tide line of waters of the U.S.

10. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of 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.

Ocean Disposal conditions-

1. For this permit, the term disposal operations shall mean: the transportation of dredged material from the dredging site to the LA-3 ocean disposal site, proper disposal of dredged material at the central disposal area within the LA-3 ocean disposal site, and transportation of the hopper dredge or disposal barge or scow back to the dredging site.

2. The ocean disposal site as circles with the center coordinates and radii listed below:

LA-2: 33 degrees 37.10 minutes North Latitude, 118 degrees 17.40 minutes West Latitude (NAD 1983), circular site with radius of 3,000 feet.

LA-3: (coordinates of the soon-to-be permanently designated site, effective October 2005): 33 degrees 31.00 minutes North Latitude, 117 degrees 53.50 minutes West Longitude (NAD 1983), circular site with radius of 3,000 feet.

LA-5: 32 degrees 36.83 minutes North Latitude, 117 degrees 20.67 minutes West Longitude

(NAD 1927), circular site with radius of 3,000 feet.

3. No more than 57,300 cubic yards of dredged material excavated at the location defined in Special Condition two (2) are authorized for disposal at the LA-3 ocean disposal site.
4. Prior to commencement of any ocean disposal operations, the Permittee shall submit a Scow Certification Checklist to EPA and the Corps for review and approval. The Scow Certification Checklist shall document: the amount of material dredged and loaded into each barge for disposal; the location from which the material in each barge was dredged; the weather report for and sea state conditions anticipated during the transit period; the time that each disposal vessel is expected to depart for, arrive at and return from the LA-3 ocean disposal site.
5. The Permittee shall notify the USCG by radio on VHF-FM channel 16 or by telephone at least four (4) hours before departing for each disposal site. The notification shall include:
 - A) Name of Permittee.
 - B) Corps permit number.
 - C) Name and identification of vessels (tug boat, hopper dredged or disposal barge or scow) employed in the disposal operation.
 - D) Loading location of the material to be disposed.
 - E) Material to be disposed.
 - F) Time of departure from the dredging site.
 - G) Estimated time of arrival at the ocean disposal site and estimated time of departure from the ocean disposal site.
 - I) Estimated time or arrival at dredging site after the disposal operation is completed.
6. The Permittee shall ensure dredged material is not leaked or spilled from the disposal vessel(s) during transit to LA-3 ocean disposal site. The Permittee shall transport dredged material to the LA-3 ocean disposal site only when weather and sea state conditions will not interfere with safe transportation and will not create risk of spillage, leak or other loss of dredged material during transit. No disposal vessel trips shall be initiated when the National Weather Service has issued a gale warning for local waters during the time period necessary to complete disposal operations.
7. When dredged material is discharged by the Permittee at the LA-3 ocean disposal site, no portion of the vessel from which the materials are to be released (e.g. hopper dredge or towed barge) may be further than 1,000 feet (305 meters) from the center of the disposal site (the "surface disposal zone" or "SDZ").
8. No more than one disposal vessel may be present within the LA-3 ocean disposal site SDZ at any time.
9. The captain of any tug boat or other vessel covered by this permit shall monitor VHF-FM channel 16 while conducting disposal operations.
10. The primary disposal tracking system for recording ocean disposal operations data shall be disposal vessel (e.g., scow) based. An appropriate Global Positioning System (GPS) shall be used to indicate the position of the disposal vessel with a minimum accuracy of 10 feet during all transportation and disposal operations. This primary disposal tracking system must

indicate and automatically record both the position and the draft of the disposal vessel at a maximum 1-minute interval while outside the LA-3 ocean disposal site boundary, and at a maximum 15-second interval while inside the LA-3 ocean disposal site boundary. This system must also indicate and record the time and location of each disposal event (e.g., the discharge phase). Finally, the primary system must include a real-time display, in the wheelhouse or otherwise for the helmsman, of the position of the disposal vessel relative to the boundaries of the LA-3 ocean disposal site and its SDZ, superimposed on the appropriate National Oceanic Service navigational chart, so that the operator can confirm proper position within the SDZ before disposing the dredged material.

11. Data recorded from the primary disposal tracking system must be posted by a third party contractor on a near-real time basis to a World Wide Web (Internet) site accessible at a minimum by EPA, the Corps, the Permittee, the prime dredging contractor, and any independent inspector. The Internet site shall be provided to the Corps and EPA prior to commencement of disposal operations. The Internet site must be searchable by disposal trip number and date, and at a minimum for each disposal trip it must provide a visual display of: the disposal vessel transit route to LA-3 ocean disposal site; the beginning and ending locations of the disposal event; and the disposal vessel draft throughout the transit. The requirement for posting this information on the Internet is independent from the hard-copy reporting requirements listed in Special Condition 14 below. The third-party system must also generate and distribute "e-mail alerts" regarding any degree of apparent dumping outside the SDZ of the LA-3 ocean disposal site, and regarding any apparent substantial leakage/spillage or other loss of material en route to the LA-3 ocean disposal site. Substantial leakage/spillage or other loss for this permit is defined as an apparent loss of draft of one foot or more between the time that the disposal vessel begins the trip to LA-3 and the time of actual disposal. E-mail alerts for any disposal trip must be sent within 24 hours of the end of that trip, at a minimum to EPA, the Corps, the Permittee, and the prime dredging contractor.

12. If the primary disposal tracking system fails during transit to the LA-3 ocean disposal site, the navigation system on the towing vessel (tug, if any), meeting the minimum accuracy requirement listed above, may be used to complete the disposal trip by maneuvering the towing vessel so that, given the compass heading and tow cable length to the scow (Alay back@), the estimated scow position would be within the SDZ of the LA-3 ocean disposal site. In such cases, the towing vessel's position, and the tow cable length and compass heading to the disposal vessel, must be recorded and reported. The Permittee shall halt further disposal operations using a disposal vessel whose navigation tracking system fails until those primary disposal tracking capabilities are restored.

13. The Permittee shall report any anticipated, potential, or actual variances from compliance with the general and special conditions of this permit, to EPA and the Corps within 24 hours of discovering such a situation. An operational "e-mail alert" system, as described in Special Condition 11 above, will be considered as fulfilling this 24-hour notification requirement. In addition, the Permittee shall prepare and submit a detailed report of any such compliance problems with the monthly hard-copy reports described below.

14. The Permittee shall collect, for each ocean disposal trip, both automatically-recorded electronic data and printouts from the primary disposal tracking system showing transit routes, disposal vessel draft readings, disposal coordinates, and the time and position of the

disposal vessel when dumping was commenced and completed. These daily records shall be compiled, and provided in reports to both EPA and the Corps at a minimum for each month during which ocean disposal operations occur. These reports shall include the automatically-recorded electronic navigation tracking and disposal vessel draft data on CD ROM (or other media approved by EPA and the Corps), as well as hard copy reproductions of the Scow Certification Checklists and printouts listed above. The reports shall also include a cover letter describing any problems complying with the general and special conditions of this permit, the cause(s) of the problems, any steps taken to rectify the problems, and whether the problems occurred on subsequent disposal trips.

15. Following the completion of ocean disposal operations, the Permittee shall submit to EPA and the Corps a completion letter summarizing the total number of disposal trips and the overall (in situ) volume of material disposed at LA-3 ocean disposal site for the project, and whether any of this dredged material was excavated from outside the areas authorized for ocean disposal or was dredged deeper than authorized by the permit.

Essential Fish Habitat conditions-

1. The applicant should conduct pre- and post-construction surveys to determine whether the project results in adverse impacts to eelgrass habitat. These surveys and any necessary mitigation should be conducted in accordance with the Southern California Eelgrass Mitigation Policy (http://swr.nmfs.noaa.gov/hcd/policies/EELPOLrev11_final.pdf). If no eelgrass is detected during the pre-construction survey or if agreed to by NOAA's National Marine Fisheries Service (NMFS), no post-construction survey is required.
2. A pre-construction survey for *Caulerpa* of the project area should be conducted in accordance with the *Caulerpa* Control Protocol (see <http://swr.nmfs.noaa.gov/hcd/ccpv1.htm>) not earlier than 90 days prior to planned construction and not later than 30 days prior to construction. The results of that survey should be transmitted to NMFS and the California Department of Fish and Game at least 15 days prior to initiation of proposed work. In the event that *Caulerpa* is detected within the project area, no work shall be conducted until such time as the infestation has been isolated, treated, and the risk of spread is eliminated.
3. If the temporary pipeline is used to dispose of dredge materials, a pre-construction survey should be conducted to accurately characterize the rocky reef habitat within the impact footprint of the pipeline. Survey results should be provided to NMFS no later than 30 days prior to construction. Pipeline placement should avoid high relief ($\geq 1\text{m}$) rocky habitat whenever practicable. In addition, low relief rocky habitat areas that may be colonized by surfgrass, kelp, sea fans, or sea palms should be avoided whenever practicable. A post-construction survey should be conducted to document any impacts associated with pipeline placement. If impacts to these habitats occur, mitigation should be coordinated with NMFS.
4. If sediment will be disposed in the nearshore, a pre-construction survey should be conducted to accurately characterize the habitat within the impact area of deposition. Survey results should be provided to NMFS no later than 30 days prior to construction. Sediment deposition should avoid high relief ($\geq 1\text{m}$) rocky habitat, whenever practicable. In addition, low relief rocky habitat areas that are colonized by surfgrass, kelp, sea fans, or sea palms should be avoided, whenever practicable. A post-construction survey should be conducted to document

any impacts associated with sediment deposition. If impacts to these habitats occur, mitigation should be coordinated with NMFS.

5. If practicable, dredge material disposal should take place in the winter season. In general, ocean water is more turbid during the winter season and therefore the temporary increase in turbidity would have less of an impact.

6. The applicant should avoid placement of dredge material or other beach impacting activities within the grunion spawning zone between March 15 and August 31 to avoid adversely affecting grunion spawning success. If it is necessary to conduct activities within the grunion spawning zone during the predicted grunion spawning period, impacts should be avoided by monitoring the beach for spawning activity prior to the anticipated construction work. If grunion have spawned, no beach impacting activities within the spawning zone should occur until the eggs have hatched and no subsequent spawning occurs.

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).

(X)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 signatures below, as co-permittees, indicate that you accept and agree to comply with the terms and conditions of this permit.

David L Rocha

PERMITTEE

Engineering Manager, CA Dana Point Harbor
County of Orange

1 July 2008

DATE

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

Daniel Swenson

Daniel Swenson
Senior Project Manager
South Coast Section
Regulatory Division

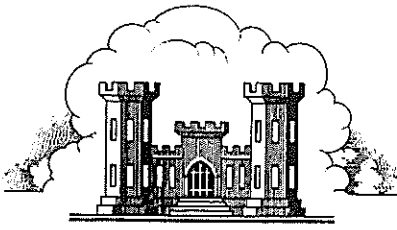
DATE

8/1/2008

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



*LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS*

CERTIFICATION OF COMPLIANCE WITH

Permit Number: SPL-2006-1052 DPS

Name of Permittee: County of Orange, Dana Point Harbor Dept., David L. Rocha

Date of Issuance: June 27, 2008

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-S, SPL-2006-1052
P.O. Box 532711
Los Angeles, California 90053-2325

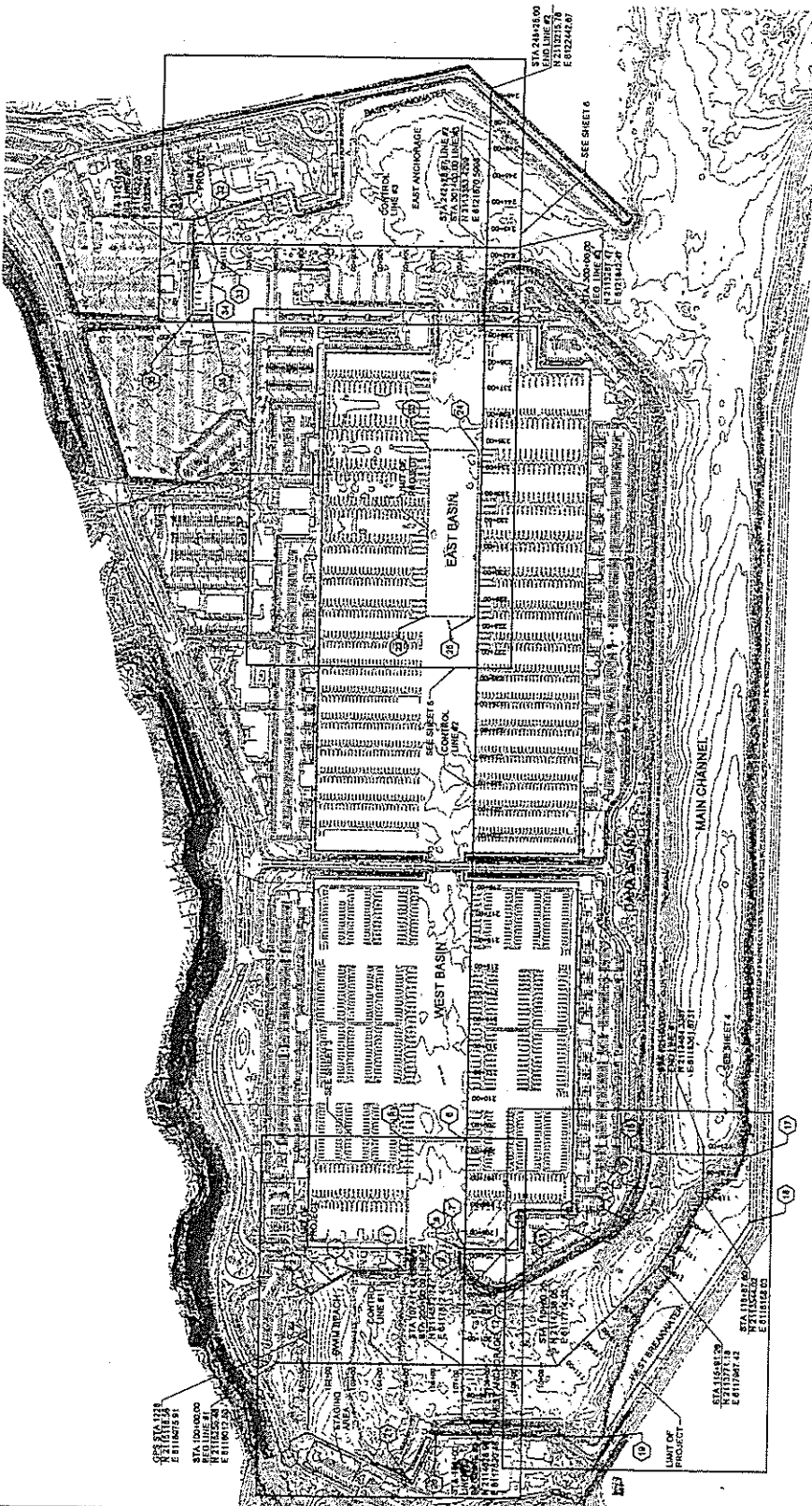
Please note that your permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to comply with this permit you may be subject to permit suspension, modification, or revocation.

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

NO. OF DREDGING	NO. OF DREDGING	EASTING
1	2110520.01	817758.90
2	2110520.04	818223.14
3	2110520.08	818688.38
4	2110520.12	819153.62
5	2110520.16	819618.86
6	2110520.20	820084.10
7	2110520.24	820549.34
8	2110520.28	821014.58
9	2110520.32	821479.82
10	2110520.36	821945.06
11	2110520.40	822410.30
12	2110520.44	822875.54
13	2110520.48	823340.78
14	2110520.52	823806.02
15	2110520.56	824271.26
16	2110520.60	824736.50
17	2110520.64	825201.74
18	2110520.68	825666.98
19	2110520.72	826132.22
20	2110520.76	826597.46
21	2110520.80	827062.70
22	2110520.84	827527.94
23	2110520.88	827993.18
24	2110520.92	828458.42
25	2110520.96	828923.66
26	2110521.00	829388.90
27	2110521.04	829854.14
28	2110521.08	830319.38
29	2110521.12	830784.62
30	2110521.16	831249.86
31	2110521.20	831715.10
32	2110521.24	832180.34
33	2110521.28	832645.58
34	2110521.32	833110.82
35	2110521.36	833576.06
36	2110521.40	834041.30
37	2110521.44	834506.54
38	2110521.48	834971.78
39	2110521.52	835437.02
40	2110521.56	835902.26
41	2110521.60	836367.50
42	2110521.64	836832.74
43	2110521.68	837297.98
44	2110521.72	837763.22
45	2110521.76	838228.46
46	2110521.80	838693.70
47	2110521.84	839158.94
48	2110521.88	839624.18
49	2110521.92	840089.42
50	2110521.96	840554.66
51	2110522.00	841019.90
52	2110522.04	841485.14
53	2110522.08	841950.38
54	2110522.12	842415.62
55	2110522.16	842880.86
56	2110522.20	843346.10
57	2110522.24	843811.34
58	2110522.28	844276.58
59	2110522.32	844741.82
60	2110522.36	845207.06
61	2110522.40	845672.30
62	2110522.44	846137.54
63	2110522.48	846602.78
64	2110522.52	847068.02
65	2110522.56	847533.26
66	2110522.60	847998.50
67	2110522.64	848463.74
68	2110522.68	848928.98
69	2110522.72	849394.22
70	2110522.76	849859.46
71	2110522.80	850324.70
72	2110522.84	850789.94
73	2110522.88	851255.18
74	2110522.92	851720.42
75	2110522.96	852185.66
76	2110523.00	852650.90
77	2110523.04	853116.14
78	2110523.08	853581.38
79	2110523.12	854046.62
80	2110523.16	854511.86
81	2110523.20	854977.10
82	2110523.24	855442.34
83	2110523.28	855907.58
84	2110523.32	856372.82
85	2110523.36	856838.06
86	2110523.40	857303.30
87	2110523.44	857768.54
88	2110523.48	858233.78
89	2110523.52	858699.02
90	2110523.56	859164.26
91	2110523.60	859629.50
92	2110523.64	860094.74
93	2110523.68	860559.98
94	2110523.72	861025.22
95	2110523.76	861490.46
96	2110523.80	861955.70
97	2110523.84	862420.94
98	2110523.88	862886.18
99	2110523.92	863351.42
100	2110523.96	863816.66



**DANA POINT HARBOR
DREDGING**

**PROJECT DATA
AND SITE PLAN**

SHEET
2
OF 11

DATE: 11/11/13
DRAWN BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

LEGEND

- LIMIT OF PROJECT
- STAGING AREA
- NAVIGATION ENJOY
- (-8.0) DESIGN DEPTH
- △ BENCH MARK
- ⊙ PROJECT CONTROL POINT

NOTES

1. WATERBENCH ELEVATIONS WITHIN THE PROJECT LIMITS REFERENCE THE MLLW DATUM.
2. LANDBENCH ELEVATIONS OUTSIDE OF LIMIT OF PROJECT LIMITS REFERENCE THE MVD 20 DATUM.
3. A PRECONSTRUCTION SURVEY SHALL BE CONDUCTED BY THE COUNTY PRIOR TO DREDGING AND RESULTS WILL BE PROVIDED TO THE CONTRACTOR ELECTRONICALLY IN MICROSTATION (DGN) FORMAT.
4. LIMITS AND EXTENT OF DREDGING ARE BASED ON CONDITIONS AT TIME OF SURVEY AND MAY INCREASE OR DECREASE BASED ON PRECONSTRUCTION CONDITIONS.
5. SILT CURTAINS, OR OTHER APPROVED METHODS, SHALL BE USED IF TURBIDITY LIMITATIONS AS DETERMINED BY THE SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD ARE EXCEEDED.
6. DREDGING OPERATIONS SHALL NOT PREVENT NAVIGATION UNLESS APPROVED BY THE COUNTY.

HORIZONTAL DATUM

COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS-83), ZONE 6, 1983 NORTH AMERICAN DATUM (NAD 83) EPOCH, GCS N, OPA ADJUSTMENT.

VERTICAL DATUM

POINT 700-77 BRASS DECK LOCATED BY THE SOUTH-WESTERN END OF DANA POINT HARBOR DRIVE, SOUTHWESTLY 250 FEET NORTHERLY FROM THE CENTERLINE OF PIER ON THE TOP OF CONCRETE BULKHEAD.

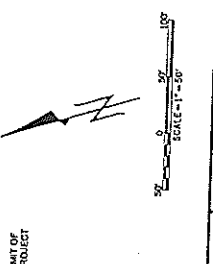
ELEVATION + 7.201' NOV 29
MLLW + 7.201' NOV 29
MVD 20 + 7.7' (1995 OCA ADJUSTMENT)

USFS/Sharwood 10/7/2007 10:52:00 PM P:\532 Dana Point Dredging\CD\107 Final\Sheet\Final\Sheet13.dwg

- NOTE:**
- FOR PROJECT CONTROL POINTS SEE SHEET 2.
 - WATERBODIES EXISTING WITHIN THE PROJECT LIMITS REFERENCE THIS DRAWING TO THE PROJECT ELEVATION SURFACE OF LIMIT OF PROJECT LINES REFERENCE THE ROAD 25 DATUM.
 - EXISTING SWIM BUOYS AND GROUND TABLE TO BE MAINTAINED TO REMAIN IN PLACE. CONTRACTOR SHALL NOTIFY COUNTY 2 DAYS PRIOR TO REMOVAL OF SWIM BUOYS MOVED.
 - CONTRACTOR SHALL AT A MINIMUM PLACE TEMPORARY FENCES AT OR NEAR THE BEACH TO PREVENT PUBLIC ACCESS TO THE BEACH AT THE LOCATION OF ACCESS TO THE BEACH. THE CONTRACTOR SHALL PLACE AN OBSERVER AT THE BEACH TO PREVENT PUBLIC ACCESS.
 - UNLESS OTHERWISE SPECIFIED DREDGE MATERIAL SHALL BE DEPOSITED AT LA 3 OCEAN DISPOSAL SITE.
 - HARD NATIVE MATERIAL MAY BE WITHIN THE FUND OVERDEPTH PRISM. CONTRACTOR IS NOT TO REMOVE HARD NATIVE MATERIAL AND THE EXISTENCE OF HARD NATIVE MATERIAL MAY NOT BE THE BASIS OF A CLAIM BY THE CONTRACTOR.

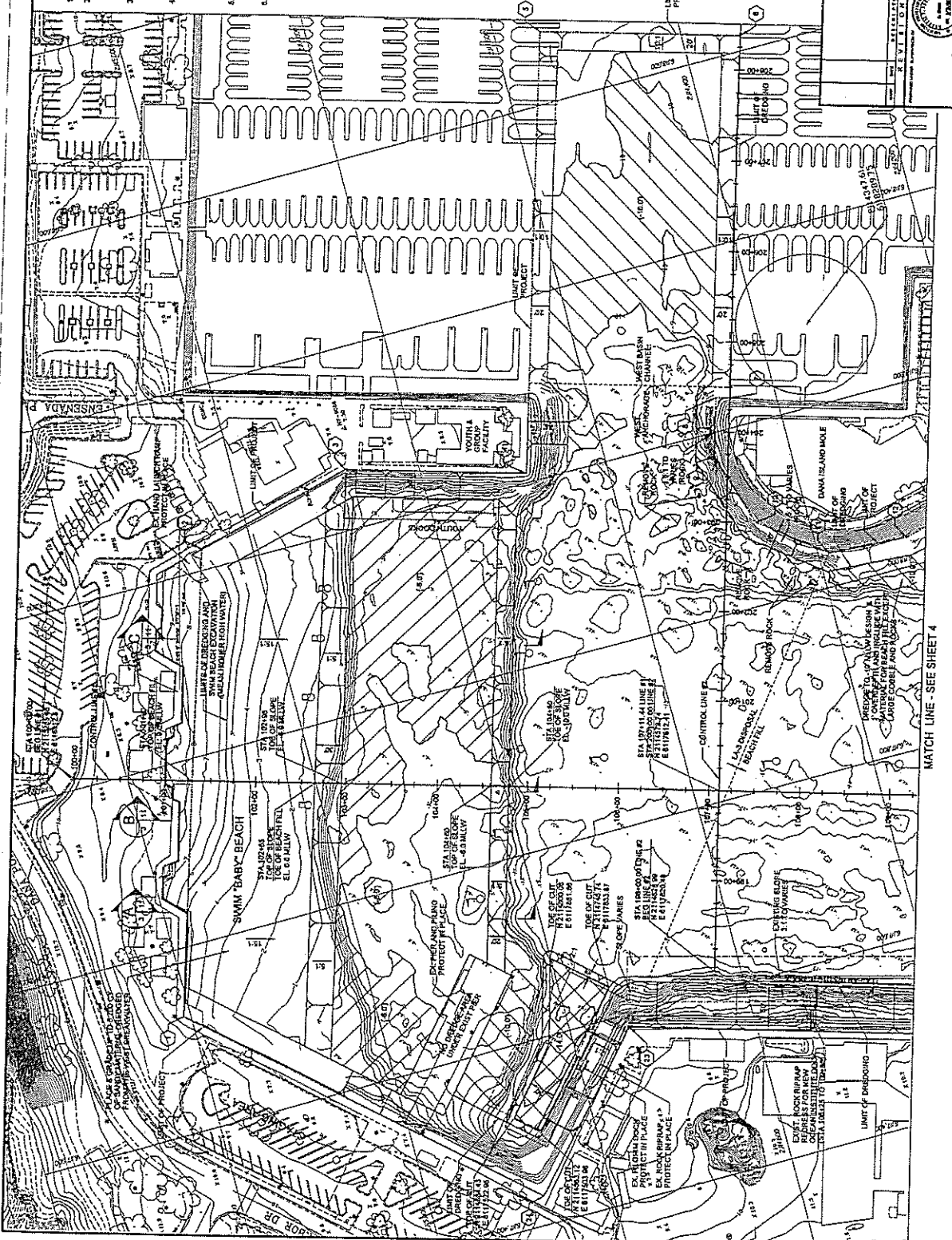
LEGEND

- LIMIT OF PROJECT
- LIMIT OF DREDGING
- 8 SWIM BUOY
- 7 NAVIGATION BUOY
- (8.0) DESIGN DEPTH
- [Diagonal lines /] AREA TO BE DREDGED TO -4
- [Diagonal lines \] AREA TO BE DREDGED TO -10
- [Cross-hatch] AREA TO BE DREDGED TO -14
- (10) PROJECT CONTROL POINT
- 8.1 HORIZONTAL - VERTICAL CURVE



ORANGE COUNTY
 PUBLIC WORKS DEPARTMENT
**DANA POINT HARBOR
 DREDGING**
 DREDGING PLAN VIEW

PROJECT NO.	DATE	SHEET
107/2001	10/7/2001	3
PROJECT NAME	DATE	OF
DANA POINT HARBOR DREDGING	10/7/2001	11



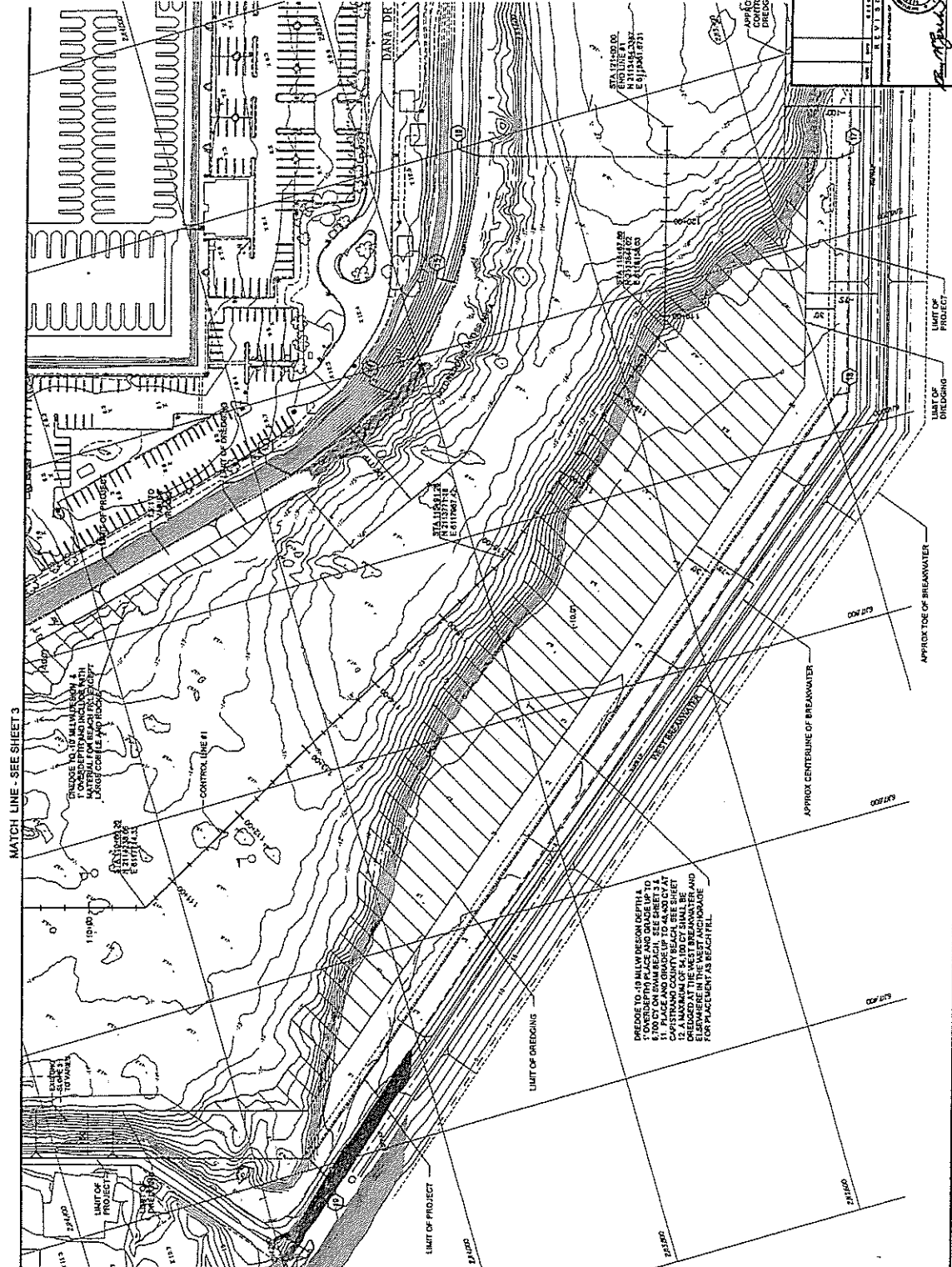
USF:Harwood 10/7/2001 9:51PM P:\1572 Long Point Dredging\CAD\DC17 Final\sheet11\951200003.dwg

NOTE:

1. FOR PROJECT CONTROL POINTS SEE SHEET 2.
2. WATERGIDE ELEVATIONS WITHIN THE PROJECT LIMITS REFERENCE THE NAVY DATUM. LANDSIDE REFERENCE TO THE WORD "DANA".
3. USE SEE OVERSHOULDER OF APPROXIMATE MATERIAL ON THIS SHEET SHALL BE USED FOR SUBJECT ALL ON THE BOTTOM AND ALLOWANCE INCREASED WITH PROYS.
4. THERE IS A POSSIBILITY THAT LOOSE SAND/WATER ROCKS OCCUR IN THE DREDGING AREA. DAMAGE TO DREDGING IN THIS AREA SHALL NOT BE THE BASIS OF A CLAIM AGAINST THE COUNTY.
5. HARD NATIVE MATERIAL MAY BE WITHIN THE SAND CONCEPT FROM. CONTRACTOR IS NOT REQUIRED TO REMOVE HARD NATIVE MATERIAL UNLESS THE EXISTENCE OF HARD NATIVE MATERIAL MAY BE THE BASIS OF A CLAIM BY THE CONTRACTOR

LEGEND

- LIMIT OF PROJECT
- LIMIT OF DREDGING
- NAVIGATION ELOY
- DESIGN DEPTH (-8.0')
- AREA TO BE DRENCHED TO -10
- PROJECT CONTROL POINT
- HORIZONTAL, VERTICAL SLOPE



MATCH LINE - SEE SHEET 3

BRIDGE TO 10' IN WATER SHOW 4' 1' CONCRETE PILES INCL. WITH LARGE COBBLE AND ROCKS

CONTROL LINE #1

DREDGING TO -10 IN THIS SECTION BEING 1' OVERSIGHT PLACE AND DRADE UP TO 6' 00' ON DOWN REACH. SEE SHEET 3 & 4 FOR DREDGING TO -10 IN THIS SECTION AT CAVSTRAND COUNTY BEACH. SEE SHEET 12 A MAXIMUM OF 4,190 CY SHALL BE PLACED WHERE IN THE ASSET AND SQUARE FOR PLACEMENT AS BEACH FILL.

DANA POINT HARBOR DREDGING

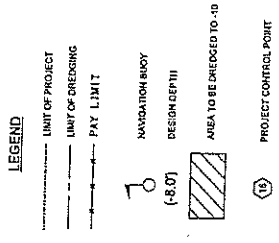
DREDGING PLAN VIEW

UNIQUE COUNTY
DANA POINT HARBOR IMPROVEMENT

DATE: 10/2/2007
SCALE: AS SHOWN
DRAWN BY: [Signature]
CHECKED BY: [Signature]
PROJECT NO.: DP133 S.2

SHEET 4 OF 11

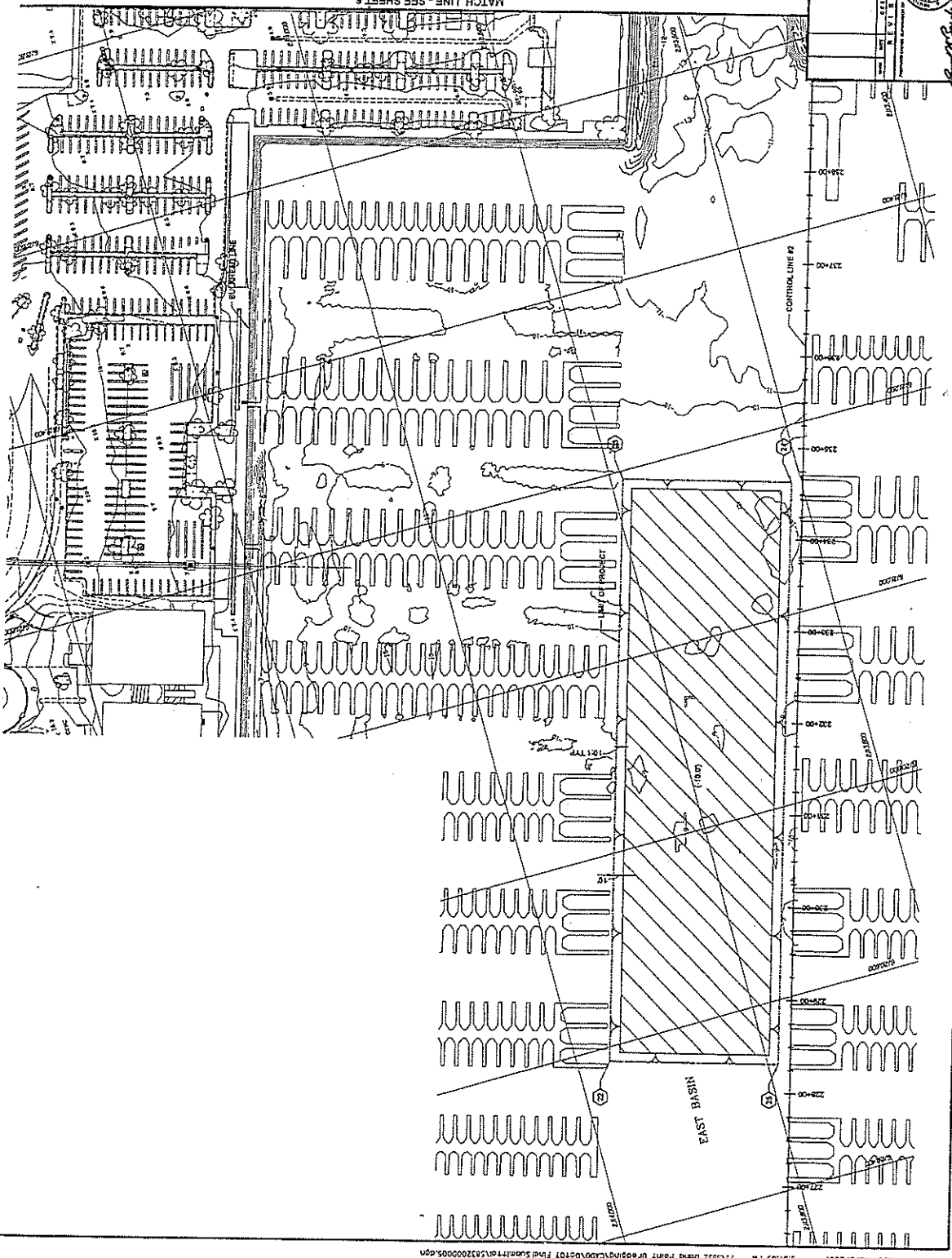
- NOTE:**
1. FOR PROJECT CONTROL POINTS SEE SHEET 2.
 2. WATERGAGE ELEVATIONS WITHIN THE PROJECT LIMITS REFERENCE THE LIMIT OF PROJECT LINES. ELEVATIONS OUTSIDE OF LIMIT OF PROJECT LINES REFERENCE THE NAVD 83 DATUM.
 3. UNLESS OTHERWISE SPECIFIED DREDGED MATERIAL SHALL BE DEPOSITED AT LAG OCEAN DISPOSAL SITE.
 4. HARD NATIVE MATERIAL MAY BE MATING THE PAD OVERDEPTH PRISM. CONTRACTOR SHALL BE RESPONSIBLE TO HARD NATIVE MATERIAL AND THE DESIGN SHALL BE IN ACCORDANCE WITH THE BASIS OF A CLAIM BY THE CONTRACTOR.
 5. REQUEST MOVEMENT OF MOORING PILES OR MOORING AREA A MINIMUM OF 5 WORKING DAYS PRIOR TO THE MOORING. BOATS WILL BE MOVED BY OTHERS. THE MOORING PILES THAT WILL BE MOVED AT ANY ONE TIME WILL BE 10.

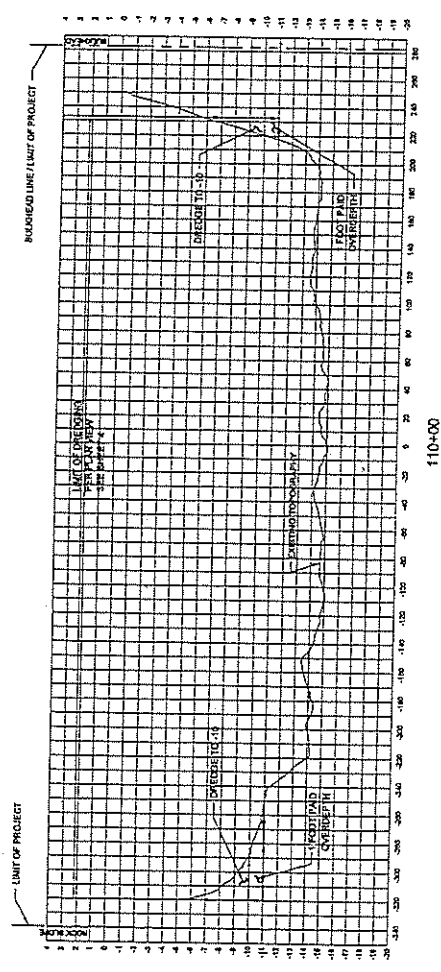


DANA POINT HARBOR DREDGING

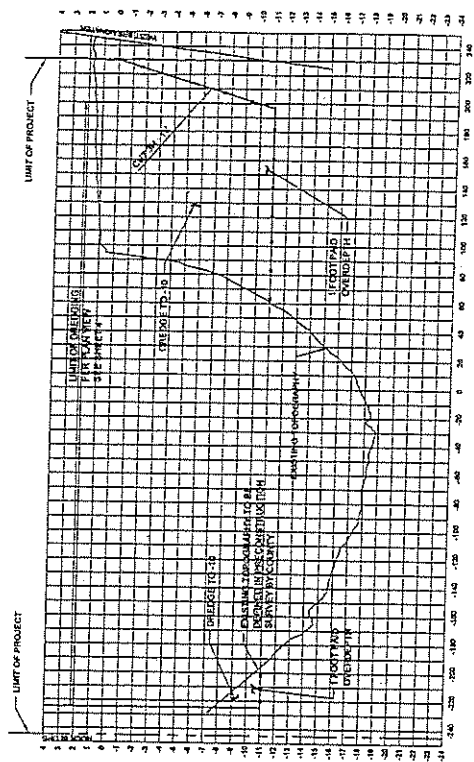
DREDGING PLAN VIEW

DATE: 10/23/2007
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 PROJECT NO.: 07-1023-3-3
 SHEET NO.: 5 OF 15

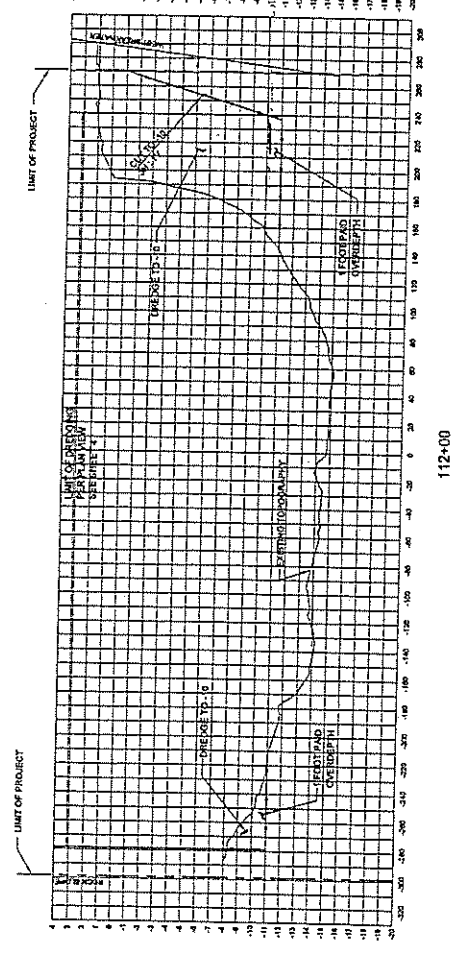




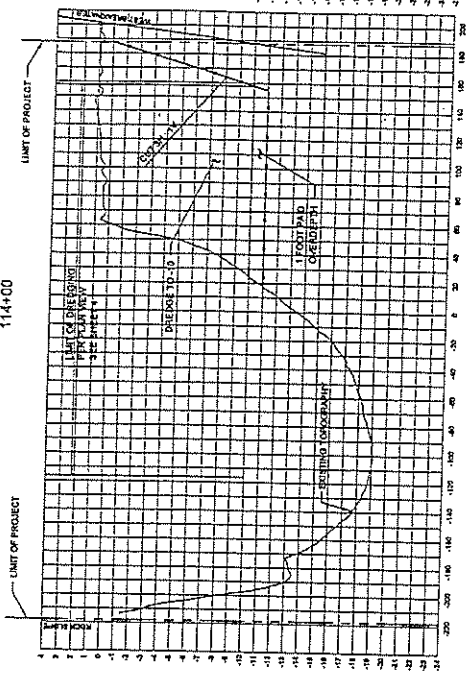
110+00



114+00



112+00



116+00

LEGEND

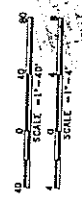
- LIMIT OF PROJECT
- - - LIMIT OF DREDGING
- PAY LIMIT

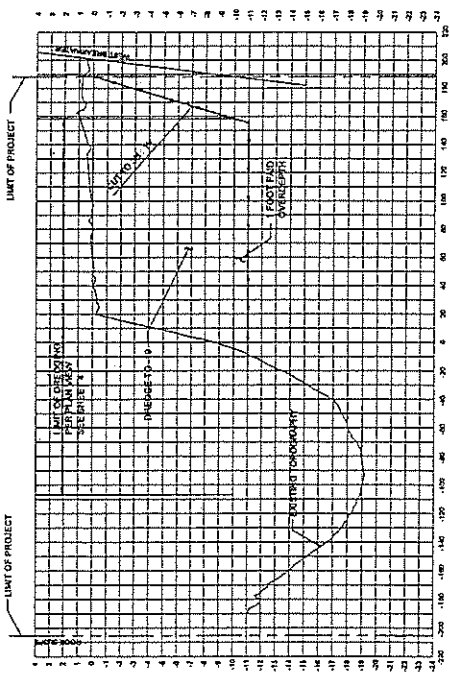
DAWA COUNTY
DAWA POINT HARBOR IMPROVEMENT DISTRICT

DANA POINT HARBOR DREDGING DRESSING CROSS SECTIONS No. 2

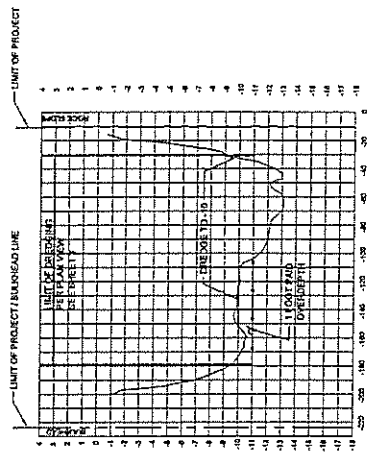
DATE	SCALE	SHEET	OF
APR 11, 2007	AS SHOWN	8	12

DRAWN BY: *[Signature]*
CHECKED BY: *[Signature]*
DATE: APR 11, 2007

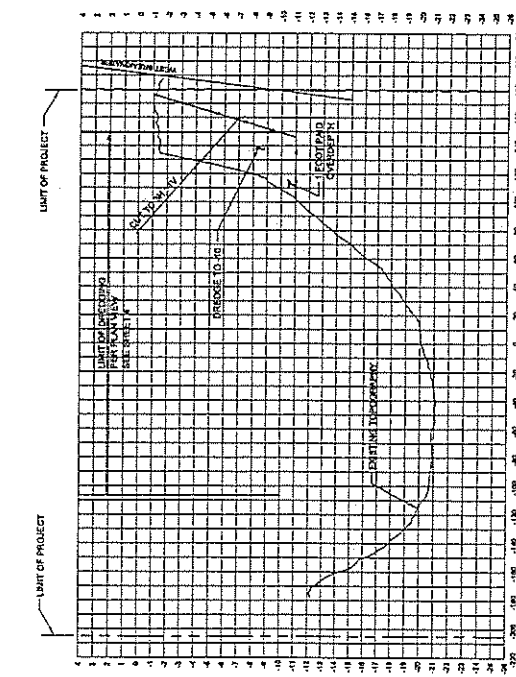




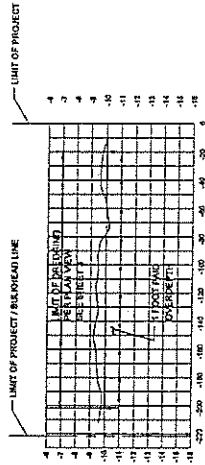
118+00



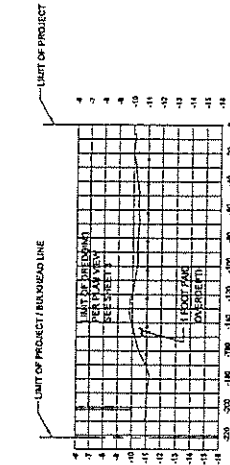
204+00



120+00

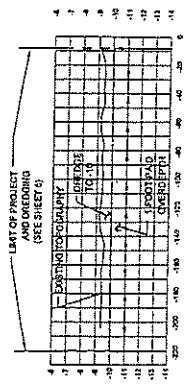


206+00

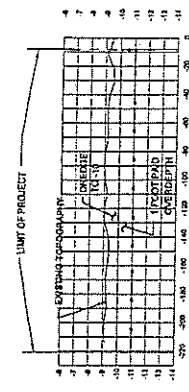


208+00

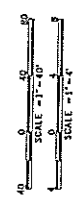
LEGEND
 - - - - - LIMIT OF PROJECT
 - - - - - LIMIT OF DREDGING
 - - - - - PAY LIMIT



229+00



231+00



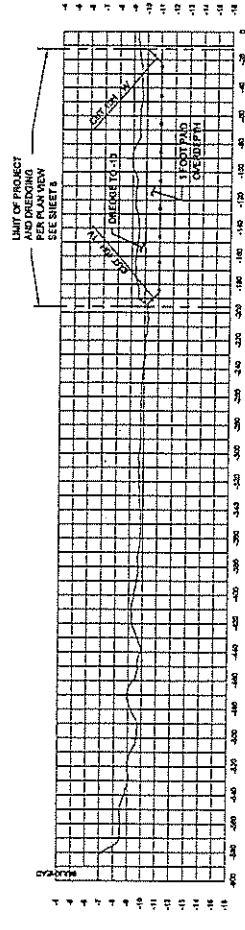
ORANGE COUNTY
 DANFORTH ENGINEERING & ARCHITECTS
**DANA POINT HARBOR
 DREDGING**
 DREDGING CROSS
 SECTIONS - 3

DATE	SCALE	SHEET
10/3/2007	AS SHOWN (SEE DOT)	9

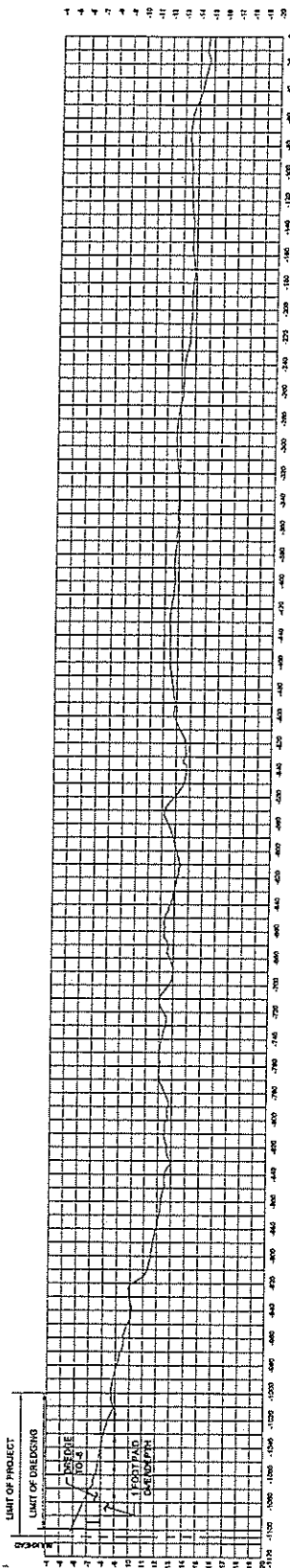
OF 12

LEGEND

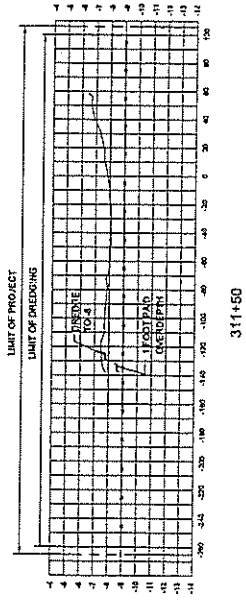
- LIMIT OF PROJECT
- LIMIT OF DREDGING
- PAY LIMIT



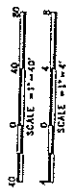
233+00



242+29.74 \pm OF SD



311+50



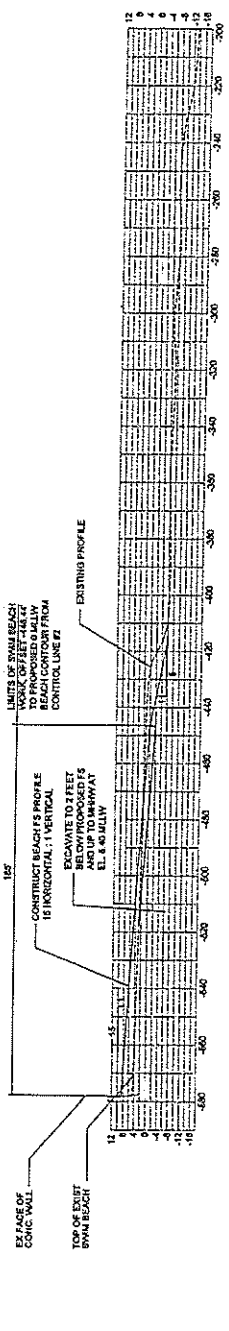
DANA POINT HARBOR DREDGING
DREDGING CROSS SECTIONS - 4

DATE	REVISED	BY	DATE

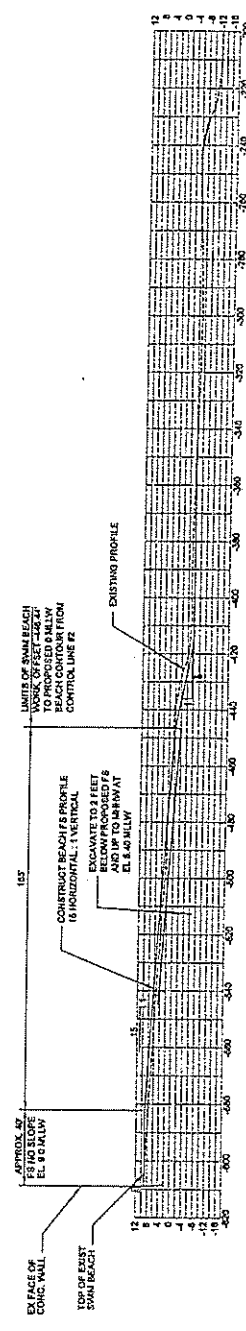
DANA POINT HARBOR DREDGING
DREDGING CROSS SECTIONS - 4

PROJECT NO.	DATE	SCALE	DATE

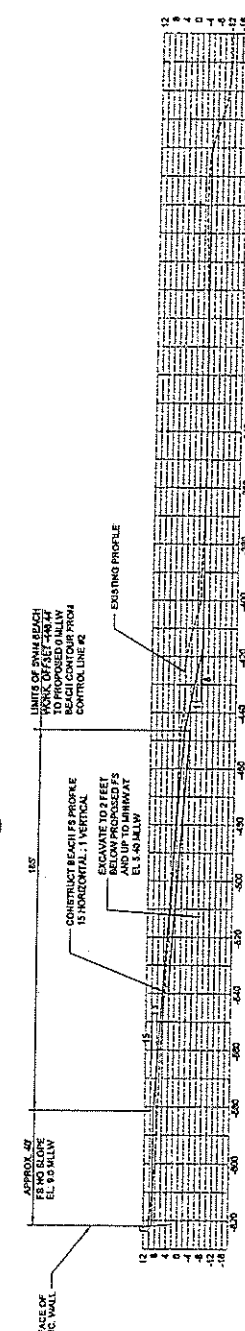
SHEET 10 OF 12



A SWIM "BABY" BEACH PROFILE - STA 198+50
 1"=20'



B SWIM "BABY" BEACH PROFILE - STA 200+00
 1"=20'



C SWIM "BABY" BEACH PROFILE - STA 201+50
 1"=20'

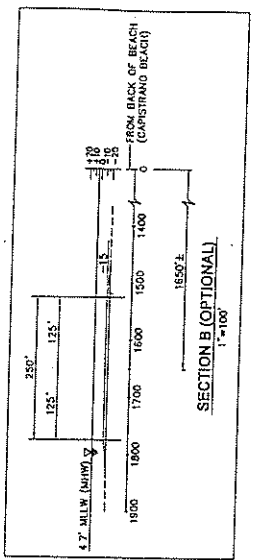
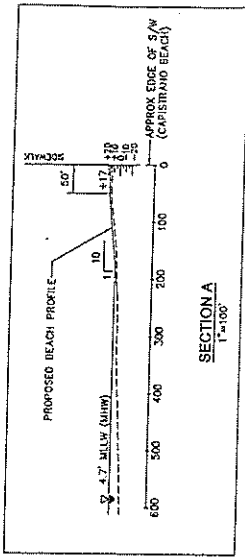


PROJECT NO. 10/2/2007
 DANA POINT HARBOR DEPARTMENT
DANA POINT HARBOR DREDGING
 SWIM "BABY" BEACH PROFILES

DATE	BY	REVISION

PROJECT ENGINEER: *[Signature]*
 CHECKED BY: *[Signature]*
 DATE: 10/2/2007

SHEET	11	OF 15
DATE	10/2/2007	
BY		

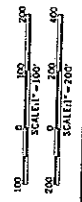
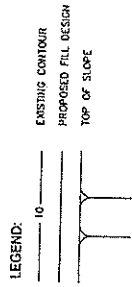


NOTE:

1. BEFORE FILL IS OPTIONAL, CONTRACTOR SHALL COMPLY WITH SPECIAL CONDITIONS, PROCEDURES, AND REQUIREMENTS IN PERMIT.
2. ELEVATIONS ARE APPROXIMATE AND REFERENCE MHW.
3. A PRECONSTRUCTION SURVEY WILL BE CONDUCTED BY THE COUNTY PRIOR TO PROCEEDING WITH THE FINAL CROSS-SECTION (DO NOT FORNAY).
4. BEFORE DISPOSAL, PIPE AND RANGE OUTLET SHALL REMAIN ABOVE WAVE ACTION AT ALL TIMES AND ABOVE ELEVATION OF MHW.
5. CONTRACTOR SHALL SUBMIT A PLAN TO OBTAIN A DEBRIS BEACH CROSS-SECTION. ENGINEER WILL BE PROVIDED WITH ADDITIONAL METHODS IF PARK STAFF ARE NOT SATISFIED WITH THE FINAL CROSS-SECTION.
6. DISPOSAL PIPE SHALL BE MARKED OR LOCATED TO ENSURE UNSUBSTITUTED PUBLIC ACCESS TO AND FROM THE BEACH AS DIRECTED BY THE ENGINEER AND PARK STAFF.
7. CONTRACTOR SHALL PROVIDE A FLAGMAN ON THE BEACH AT ALL TIMES TO DIRECT DISCHARGE TO COORDINATE WITH PARK STAFF AND TO DIRECT THE PUBLIC AWAY FROM THE DISCHARGE LOCATION.
8. CONTRACTOR SHALL SUBMIT A DISCHARGE PLAN TO THE ENGINEER FOR APPROVAL. DISCHARGE UNLESS STRUCTURED PUBLIC ACCESS TO AND FROM THE BEACH, AND METHOD FOR OBTAINING FINAL BEACH PROFILE.

PLAN
1" = 200'

LIMITS OF FILL	
NORTHING	EASTING
36	2110018.38
37	2110044.73
38	2110100.87
39	2110200.03



OSHOPE COUNTY
DANA POINT HARBOR BREEDING
CAPISTRANO BEACH
FILL PLAN

DATE: 10/27/2007
DRAWN BY: [Signature]
CHECKED BY: [Signature]
PROJECT NO.: 07-001-001-001
SHEET 12 OF 12