



Dredging Application for Regional General Permit 54

Corps File No. SPL-2013-00020-SME

Coastal Commission CDP 5-14-0200 and CC-0002-15

Clean Water Act Section 401 Certification No. 302014-03

Please note that all information provided in this example application is completely fabricated. The intent is to provide example text to assist in completing your application. This application form should be filled out electronically and submitted to Harbor Resources. Note that if multiple adjacent properties are applying under a single application, the limitations for a single project will apply.

GENERAL INFORMATION

Were plan views of the dredging and disposal footprints previously submitted to Harbor Resources as part of the pre-application process? Yes No

Please re-attach the dredging and disposal footprints to this application. If you do not have a pre-application dredging report from the City, you will not be able to move forward with this application. Please submit dredging and disposal footprints to the City to initiate pre-application screening.

Is your project within the Regional General Permit 54 Plan Area? Yes No

To answer this question, please refer to your pre-application dredging report.

Project number

Please enter the project number assigned on your pre-application dredging report.

DRG2016-1016

Project address

South corner of Coral Avenue and South Bayfront, Newport Beach, CA 92662

Applicant name

John Doe

Applicant address

123 Anywhere St.
Newport Beach, CA 92660

Applicant phone number

(949) 111-1111

Authorized agent/contractor

Southern California Marine

Additional contractors (if any)

John's Diving Service

Name of dredging/disposal operations inspector

This is the person who will be overseeing construction operations.

Joe Taylor

Dredging and disposal operations (please assume a start date 60 to 90 days after application)

Proposed start date

06/01/2016

Proposed completion date

07/01/2016

To your knowledge, will contiguous properties be proposing dredging at the same time as this application? Yes No

Is the project within any of the following areas?

- Irvine Company owner's approved area
- Bay Island owner's approved area
- Dover Shores owner's approved area
- Linda Isle owner's approved area

DREDGING OPERATIONS

Is your project proposing to dredge less than 1,000 cubic yards with no potential to impact existing eelgrass? Yes No

Anticipated volume (cubic yards) to be dredged and disposed, including design and overdredge volumes

350

cubic yards

Dredge site latitude/longitude coordinates (center of dredge footprint)

Note dredging is not authorized in certain areas of Newport Bay, including the Balboa Yacht Basin, Promontory Bay, and at dredging depths between -8 and -12 feet mean lower low water [MLLW] for several other areas.

To answer this question, please refer to your pre-application dredging report.

33.60414446/-117.89268215

Dredge depth, including overdredge

Dredging operations are limited to -10 feet MLLW with a 2-foot allowable overdraft. For specified locations, the maximum depth would be -7 feet MLLW plus 1 foot of overdepth allowance.

feet MLLW

Was additional sediment characterization required based on the location? Yes No

Refer to your pre-application dredging report for sediment characterization restrictions.

- If yes, attach results and proof of U.S. Environmental Protection Agency and U.S. Army Corps of Engineers approval.

Dredging limitations and sediment sampling requirements

Please include any conditions under "Sediment Characterization" from your pre-application dredging report.

Suitable to -10 feet MLLW plus 2 feet of overdepth for unrestricted open ocean disposal at LA-3. Grain size analysis required prior to beach replenishment to verify suitability. Please refer to the attached grain size analysis.

Dredge method/equipment (hydraulic, clamshell, etc.)

Hydraulic cutter-head dredge. Diver assistance will be required under pier.

Dredge footprint area (in square feet)

To answer this question, please refer to your pre-application dredging report.

square feet

Will water quality monitoring be required? Yes No

If dredging will extend beyond 2 consecutive days, monitoring will be required every other day beginning with the third day (days 3, 5, 7, etc.).

All water quality monitoring results shall be forwarded to the City and the RWQCB by project applicants.

DISCHARGE/DISPOSAL OPERATIONS

Disposal operation (check all that apply):

Beach replenishment

Offshore/ocean disposal (LA-3 site)

Dredged material deemed unsuitable for beach replenishment may be deposited at the approved ocean disposal site, with agency approval. (Lat/Long: 33°31'00" N; 117°53'30" W)

Inland disposal (if neither beach replenishment nor ocean disposal are available)

If the disposal site is located in the coastal zone, a separate CDP application shall be filed for disposal of the material.

Disposal site latitude/longitude coordinates

33.60437871/-117.89276523

Disposal method/equipment

Hydraulic cutter-head dredge. Sediment will be pumped directly to the disposal areas, where it will be managed by small landside equipment (Bobcat expected).

If beach disposal, square feet of proposed disposal location

To answer this question, please refer to your pre-application dredging report.

594.3

square feet

If beach disposal, is the dredging site located within 1,000 feet? Yes No

To answer this question, please refer to your pre-application dredging report.

Detailed estimate of how much material has been dredged from or discharged onto the site through previous activities, if known

Unknown

Proximity of eelgrass to the discharge location:

To answer this question, please refer to the "Eelgrass Impact" section of your pre-application dredging report. Note if eelgrass is within 15 feet, the site is assumed to support eelgrass and cannot be used as a disposal site.

15 to 30 feet from site

Pre-and post-project monitoring of the site required for potential eelgrass impacts from disposal operations.

None within 30 feet

Monitoring not required for disposal operations.

EELGRASS ZONE(S)

What is the proposed dredging area in the stable, transitional, and unvegetated eelgrass zones?

To answer these questions, please refer to your pre-application dredging report.

- | | | |
|---|--------------------------------------|---------|
| <input checked="" type="checkbox"/> Stable Zone | <input type="text" value="1,278.3"/> | sq. ft. |
| <input type="checkbox"/> Transitional Zone | <input type="text" value="0.0"/> | sq. ft. |
| <input type="checkbox"/> Unvegetated Zone | <input type="text" value="0.0"/> | sq. ft. |

What is the area of eelgrass impacted in stable and transitional zones, and the current tier(s)?

To answer these questions, please refer to your pre-application dredging report.

- | | | | |
|---|------------------------------------|---------|--|
| <input checked="" type="checkbox"/> Stable Zone | <input type="text" value="585.6"/> | sq. ft. | Corresponding current tier: 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> |
| <input type="checkbox"/> Transitional Zone | <input type="text" value="0.0"/> | sq. ft. | Corresponding current tier: 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> |

ATTACHMENT REQUIREMENTS

Please submit the following:

- Pre-application dredging report from City
- Map of the project site, including:
 - Location within the harbor
 - Site address
 - Site assessor's parcel number
 - Site latitude and longitude coordinates (decimal degree format)
- To-scale drawings of the proposed action (plan view and cross-section view of proposed activity), including:
 - Boundaries of proposed sediment dredging and/or disposal work
 - Location and physical dimensions of any existing docks, floats, piers, pilings, and bulkheads (and general outline of same that is present on adjacent sites)
 - Project and pierhead lines
 - Specific location of any eelgrass beds within or near the work area (based on the most recent comprehensive eelgrass survey, provided in the pre-application dredging map information)
- Photos (minimum of five) of entire dredge area and beach disposal areas at low tide, prior to any work, with special emphasis on any areas of eelgrass

Note - for this example application, photo are not provided.

- Results of physical characteristic (grain size) testing performed at dredging location and any beach-receiver location: **Note - a grain size analysis report is generally performed by a third party and has not been included in this sample application.**
 - Prior to each dredging episode at each individual dredging location and prior to beach replenishment at each replenishment location, the permittee shall sample the material to be dredged and any beach-receiver location for the purpose of determining the physical characteristics of the material. Testing shall be performed consistent with procedures defined in “Procedures for Handling and Chemical Analysis of Sediment and Water Samples” by Russell H. Plumb (1981), Corps Technical Report EPA/CE-81-1, pages 3-28 to 3-47.
 - The grain size test shall be conducted on a composite of at least one core per 0.25-acre area to be dredged and/or at least one core per site for each project, as well as at least one core per beach-receiver location. Note that if multiple adjacent properties are applying under a single application, the limitations for a single project will apply. The core depth shall be equivalent to the proposed dredging depth plus any overdredging. Grain size data shall be reported to the nearest 1% for sand, silt, and clay, consistent with procedures defined in “Procedures for Handling and Chemical Analysis of Sediment and Water Samples,” by Russell H. Plumb (1981), Corps Technical Report EPA/CE-81-1, pages 3-28 to 3-47.
 - Material utilized for beach replenishment shall have a sand content that is either: 1) greater than 80% sand; or 2) at least 75% sand and within 10% of the sand content of the receiver beach. Any material that meets the requirements outlined above for beach replenishment and consists of less than 75% to 80% sand shall only be placed upon submerged beach areas (i.e., below the water line).
- Results of any additional sediment characterization that may have been performed and proof of U.S. Environmental Protection Agency and U.S. Army Corps of Engineers approval
- City fee: check made payable to City of Newport Beach
Refer to the Harbor Resources website for the current fee amount.
- Check for Clean Water Act Section 401 Certification fee, made payable to State Water Resources Control Board
Refer to the Harbor Resources website for the current fee amount.
- Dredging, Transport, and Discharge Operations Plan for Beach Replenishment ONLY or Dredging, Transport, and Discharge Operations Plan for Open Ocean Disposal ONLY (please refer to example templates located on the Harbor Resources website)

INFORMATION TO BE PROVIDED AFTER APPLICATION, PRIOR TO PROJECT

An Applicant Agreement, signed by the applicant and authorized agent(s), will be required before the start of construction if the project application is approved. A copy of the agreement can be found on the Harbor Resources website.

The applicant will submit results of an invasive algae (*Caulerpa taxifolia*) survey of the proposed dredge area, conducted within 30 days of the date the application is submitted, and 30 to 90 days prior to initiating the project.

If *Caulerpa taxifolia* is discovered, notify the RWQCB, the California Department of Fish and Wildlife (CDFW), the Executive Director of the California Coastal Commission (CCC), the Surveillance Subcommittee of the Southern California Caulerpa Action Team, and NMFS within 24 hours of discovery. Dredging or disposal of dredged material shall not proceed in the Plan Area until the City has provided evidence to the Executive Director of the CCC that all *Caulerpa taxifolia* discovered within the Plan Area has been eliminated in a manner that complies with all applicable governmental approval requirements, including, but not limited to, those of the California Coastal Act.

A pre-dredge bathymetric condition survey performed within 30 days of the dredge start date.

If eelgrass was found to be within 15 to 30 feet of the discharge location, pre-project eelgrass monitoring transects will be established.

To ensure navigational safety, the applicant shall provide appropriate notifications to the U.S. Coast Guard (USCG) and local mariners at least 15 calendar days prior to commencing work.

1. The permittee shall notify the USCG, Commander, 11th Coast Guard District (dpw) and the USCG, Sector LA-LB (Captain of the Port) (d111NM@uscg.mil and john.p.hennigan@uscg.mil) not less than 15 calendar days prior to commencing work and as project information changes. The notification shall be provided by e-mail with at least the following information, transmitted as an attached Word or PDF file:
 - 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. The USCG needs to be notified if these dates change.
 - 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.
 - i. The Corps Regulatory Division recommends the following language be used in the Local Notice to Mariners: "Mariners are urged to transit at their slowest safe speed to minimize wake, and proceed with caution after passing arrangements have been made."

2. 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 Code of Federal Regulations Chapter I, Subchapter C, Part 66. The permittee shall ensure its contractor notifies the USCG in writing, with a copy to the Corps Regulatory Division, not less than 30 calendar days in advance of operating any equipment adjacent to any aids to navigation which require 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 Regulatory Division 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 Regulatory Division and the USCG.
3. Should the permittee determine the work requires the placement and use of private aids to navigation in navigable waters of the United States, the permittee shall submit a request in writing to the Corps Regulatory Division as well as the USCG, Aids to Navigation office. The permittee is prohibited from establishing private aids to navigation in navigable waters of the United States until authorized to do so by the Corps Regulatory Division and the USCG.
4. The Captain of the Port 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 Captain of the Port.

EXAMPLE



City of Newport Beach
 Harbor Resources Division
 100 Civic Center Dr, Newport Beach, CA 92660
 Phone Number (949)644-3044

Dredging Report

Project Number: DRG2016_1016

Date: 1/14/2016

Applicant Name: John Doe

Project Address: South corner of Coral Avenue and South Bayfront, Newport Beach, CA 92662

Authorized Agent: Southern California Marine

Latitude/Longitude: 33.60414446/-117.89268215

SqFt of Dredging Area: 1,278.28

Eelgrass Zone: Stable Eelgrass Zone

Dredging Area within RGP 54 Plan Area?: Yes

SqFt of Eelgrass Impacted: 585.64

Sediment Characterization: Suitable to -10 feet MLLW plus 2 feet of overdepth for unrestricted open ocean disposal at LA-3.

Proposed Disposal Location: In-Harbor Beach Replenishment

Latitude/Longitude: 33.60437871/-117.89276523

Proposed Disposal Location Proximity: Disposal location is within 1,000 feet of the dredging area.

SqFt of Proposed Disposal Location: 594.33

Proposed Disposal Location within RGP 54 Plan Area?: Yes

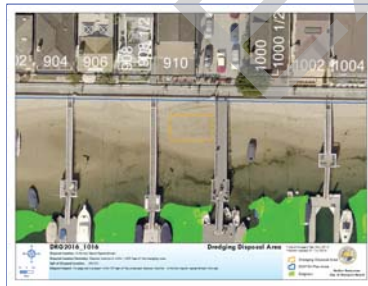
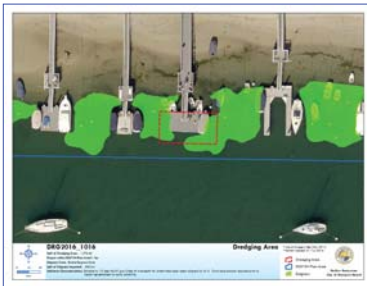
Eelgrass Impact: No eelgrass is present within 30 feet of the proposed disposal location. In-Harbor beach replenishment allowed.

Additional Notes:

Grain size analysis required in order to verify suitability for disposal.

Stable Zone Eelgrass Tier: Tier 1

This pre-application information is valid for a limited time. If a significant amount of time passes before application, please contact Harbor Resources.





EXAMINER



DRG2016_1016

SqFt of Dredging Area: 1 278.28
 Project within RGP 54 Plan Area?: Yes
 Eelgrass Zone: Stable Eelgrass Zone
 SqFt of Eelgrass Impacted: 585.64

Sediment Characterization: Suitable to -10 feet MLLW plus 2 feet of overdepth for unrestricted open ocean disposal at LA-3. Grain size analysis required prior to beach replenishment to verify suitability.



Dredging Area

* Aerial Imagery Feb/Mar 2014
 * Exhibit created 01/14/2016

- Dredging Area
- RGP 54 Plan Area
- Eelgrass



Harbor Resources
 City of Newport Beach



DRG2016_1016

Disposal Location: In-Harbor Beach Replenishment




Disposal Location Proximity: Disposal location is within 1,000 feet of the dredging area.

Sqft of Disposal Location: 594.33

Eelgrass Impact: No eelgrass is present within 30 feet of the proposed disposal location. In-Harbor beach replenishment allowed.

Dredging Disposal Area

* Aerial Imagery Feb/Mar 2014
 * Exhibit created 01/14/2016

-  Dredging Disposal Area
-  RGP 54 Plan Area
-  Eelgrass



Harbor Resources
 City of Newport Beach





General Site Layout, Looking South from Coral Avenue



Disposal Area at Low Tide (January 20, 2016)



Disposal Area at Low Tide (January 20, 2016)



Dredging Area



Dredging Area at Low Tide, Showing Eelgrass (January 20, 2016)



Dredging, Transport, and Discharge Operations Plan Beach Replenishment ONLY

Corps File No. SPL-2013-00020-SME

Coastal Commission CDP 5-14-0200 and CC-0002-15

Clean Water Act Section 401 Certification No. 302014-03

Please note that all information provided in this example application is completely fabricated. The intent is to provide example text to assist in completing your application.

This plan is intended to address Special Condition 7 of the Department of the Army Regional General Permit 54 and Special Condition 4 of the Coastal Development Permit No. 5-14-0200 and Federal Consistency Certification No. CC-0002-15. Attach additional sheets if required for complete responses.

GENERAL PROJECT INFORMATION

Project number

DRG2016-1016

Project location

South corner of Coral Avenue and South Bayfront, Newport Beach, CA 92662

Applicant name

John Doe

Authorized agent/contractor name

Southern California Marine

Additional contractors (if any)

John's Diving Service

CONTRACTOR REPRESENTATIVES CONTACT INFORMATION

Title	Name	Address	Phone number
Project Manager	Chris Miller	100 Civic Center Dr., Newport Beach, CA 92660	949-644-3044
Dredging Operations Inspector	Joe Taylor	123 Center St. Thousand Oaks, CA 91630	805-555-2234
Disposal Operations Inspector	Bob Smith	123 Center St. Thousand Oaks, CA 91630	805-555-3678
Tugboat Captain	Jack Moore	123 Center St. Thousand Oaks, CA 91630	805-555-9753
Dredge Vessel Captain	Chris Davis	123 Center St. Thousand Oaks, CA 91630	805-555-8124

EQUIPMENT LIST

The following vessels and dredging equipment will be used during dredging, transport, and discharge operations:

Vessel/equipment name	Type	Size	Load level	Scow capacity
Risland	Tug Boat	24 feet by 76 feet	N/A	N/A
W.Chrebet	Hydraulic Dredge Barge	100 feet by 50 feet	N/A	N/A
VinnyT	Survey boat	7 feet by 22 feet	N/A	N/A

See Attachment A for equipment specifications, including acceptable operating sea conditions for each hopper dredge or disposal barge or scow to ensure compliance with special conditions.

Note - for this example application, equipment specifications are not provided.

No maintenance, storage, or fueling of heavy tracked equipment or vehicles shall occur within 500 feet of the high tide line of waters of the United States.

EQUIPMENT POSITIONING AND VERIFICATION PLAN

Vertical and horizontal positioning will be accomplished using the following Control Points:

Vertical datum

Mean Lower Low Water (MLLW)

Horizontal datum

California State Plan, Zone 5, NAD83

Plane and Grid coordinates based on:

State Plane - California Zone 5

Tidal control/monitoring:

Tidal datum

Standard - 0.0

Tidal gauge locations

Balboa Pier, Newport Beach

The following electronic positioning systems or navigation equipment will be used during dredging, transport, and discharge operations:

Equipment	Position control	Vertical control	Tidal control	Azimuth control	Software/hardware
VinnyT (survey boat)	Applanix POS/MV V4	Reson Seabat 8124	Tide Gauge	N/A	Hypack
W. Chrebet (Hydraulic Dredge Barge)	Trimble DSM 132	N/A	Tide Gauge	Trimble	Winops
RtIsland (Tug Boat)	Garmin GPS	N/A	N/A	Sperry	Hypack/Nobel Sys

To ensure navigational safety, the applicant shall provide appropriate notifications to the U.S. Coast Guard and local mariners at least 15 calendar days prior to commencing work.

DREDGING OPERATIONS PLAN

Anticipated volume (cubic yards) to be dredged, including design and overdredge volumes

350

Dredge site latitude/longitude coordinates (center of dredge footprint)

33.60414446/-117.89268215

Dredge footprint area (in square feet)

1278.28

Dredge depth (feet)

-10

Overdredge (feet)

2

Total depth (feet)

-12

Dredge method (e.g., hydraulic, clamshell)

Hydraulic cutter-head dredge. Diver assistance will be required under pier.

Will water quality monitoring be required? Yes No

Project start-up and dredging sequence/schedule

This project involves dredging of 350 cy of material to reach project depths of -10 feet mean lower low water (MLLW), plus a 2-foot overdredge allowance. Dredging will begin on June 1, 2016, and will be completed prior to July 1, 2016. Dredging will be conducted primarily through use of a hydraulic cutter-head, with minor amounts of diver-assisted dredging under the existing pier. Sediment will be pumped directly to the disposal area, where it will be managed by small landside equipment (Bobcat expected). A silt curtain will surround the offshore working area at all times during dredging operations.

Dredging design/layout

See Attachment C for dredging design.

Method of verifying utility locations

Landside utilities will be located by using Southern California DigAlert and visual observations. If further utility verification is needed, a third-party survey will be mobilized to use additional utility locating tools (such as Ground Penetrating Radar).

DREDGED MATERIAL CHARACTERIZATION

Prior sediment characterization

In July 2013, a dredged material evaluation was performed in accordance with an approved Sampling and Analysis Plan to evaluate suitability for disposal alternatives (Anchor QEA 2013). Sediment from resulting authorized areas within the RGP 54 boundary that meet the grain size criteria (at least 75% sand) are suitable for discharge onto beach sites within 1,000 feet of dredging operation sites, unless otherwise approved by the Corps Regulatory Division. No use of sediments from areas identified as containing elevated mercury levels are authorized for beach nourishment unless individual stations were to be retested and found by the Corps Regulatory Division to be suitable for beach nourishment.

Was additional sediment characterization required based on the location? Yes No

- If yes, attach results and proof of U.S. Environmental Protection Agency and U.S. Army Corps of Engineers approval in Attachment D.

Physical characteristic (grain size) testing

Prior to each dredging episode at each individual dredging location and prior to beach replenishment at each replenishment location, the permittee shall sample the material to be dredged and any beach-receiver location for the purpose of determining the physical characteristics of the material. Testing shall be performed consistent with procedures defined in "Procedures for Handling and Chemical Analysis of Sediment and Water Samples" by Russell H. Plumb (1981), Corps Technical Report EPA/CE-81-1, pages 3-28 to 3-47.

The grain size test shall be conducted on a composite of at least one core per 0.25-acre area to be dredged and/or at least one core per site for each project, as well as at least one core per

beach-receiver location. Note that if multiple adjacent properties are applying under a single application, the limitations for a single project will apply. The core depth shall be equivalent to the proposed dredging depth plus any overdredging. Grain size data shall be reported to the nearest 1% for sand, silt, and clay, consistent with procedures defined in "Procedures for Handling and Chemical Analysis of Sediment and Water Samples," by Russell H. Plumb (1981), Corps Technical Report EPA/CE-81-1, pages 3-28 to 3-47.

Material utilized for beach replenishment shall have a sand content that is either: 1) greater than 80% sand; or 2) at least 75% sand and within 10% of the sand content of the receiver beach. Any material that meets the requirements for beach replenishment and consists of 75% to 80% sand shall only be placed upon submerged beach areas (i.e., below the water line).

See Attachment D for the results of sediment grain size analyses of the proposed dredge and discharge sites. **Note - a grain size analysis report is generally performed by a third party and has not been included in this sample application.**

PRE-DREDGE BATHYMETRIC CONDITION SURVEY

Date of most recent bathymetric condition survey

Include results in Attachment B.

January 28, 2015

Date of planned pre-dredging bathymetric condition survey

Note that the survey must be performed within 30 days of the dredge start date, and results must be submitted to the U.S. Army Corps of Engineers, the City of Newport Beach, and the California Coastal Commission.

May 20, 2016

TRANSPORT AND DISCHARGE OPERATIONS PLAN

Beach replenishment schedule

Beach replenishment will be conducted concurrently with hydraulic dredging operations. Material will be pumped directly to disposal area and managed using landside equipment.

Disposal site latitude/longitude coordinates

33.60437871/-117.89276523

Square feet of proposed disposal location

594.33

Is the disposal location located within 1,000 feet of the dredging site? Yes No

Disposal method/equipment

Hydraulic cutter-head dredge. Sand will be managed in the disposal using tracked landside equipment (such as a Bobcat)

Anticipated volume (cubic yards) to be discharged

350

Previous discharges to the site, including date(s) and volume(s)

Unknown

Transport and discharge procedures for all sediment, including material unsuitable for beach replenishment

All material being dredged is suitable beach replenishment. Material will be pumped directly to disposal area and managed using landside equipment.

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.

Prior to commencement of any activity authorized under RGP 54, the boundaries of any eelgrass to be avoided shall be marked with buoys so that equipment and vessel operators avoid impacting these areas.

Barges and other vessels shall be anchored to avoid encroachment into avoided eelgrass beds. Barges and other vessels shall avoid transit over any eelgrass beds to the maximum extent practicable. Where transit over eelgrass beds is unavoidable, such transit shall only occur during high tides when grounding and potential damage to eelgrass can be avoided.

DEBRIS MANAGEMENT PLAN

Sources and expected types of debris

Solid waste/general debris - product of the surrounding area

Debris separation and retrieval methods

Small debris - Small pieces of debris will be placed on the work skiff for removal and disposal at the end of the work day. All debris stored on work skiff will be properly secured.

Large debris - Debris too large to be removed by hand will be left in place.

Solid Waste/Floating debris - Floating debris will be contained by the using of the silt curtain and will be collected by skiff and fish net.

Chemical Waste - No chemical waste is expected to be encountered.

Debris disposal methods

Solid waste - offloaded into an appropriate trash container at the site according to local and state regulations
General debris - disposed of into an appropriate trash container at the site according to local and state regulations

ATTACHMENT REQUIREMENTS

Attachment A

- Equipment specifications

Note - for this example application, equipment specifications are not provided.

Attachment B

- Most recent bathymetric condition survey

Note - for this example application, bathymetric survey information is provided on dredging design figures.

Attachment C

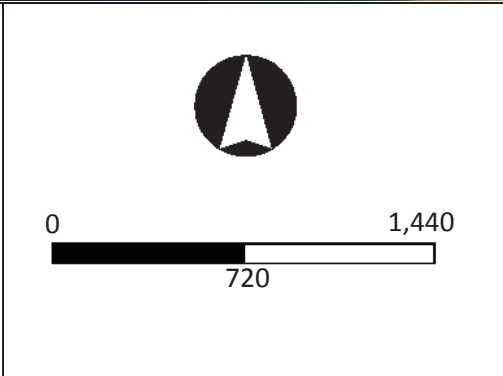
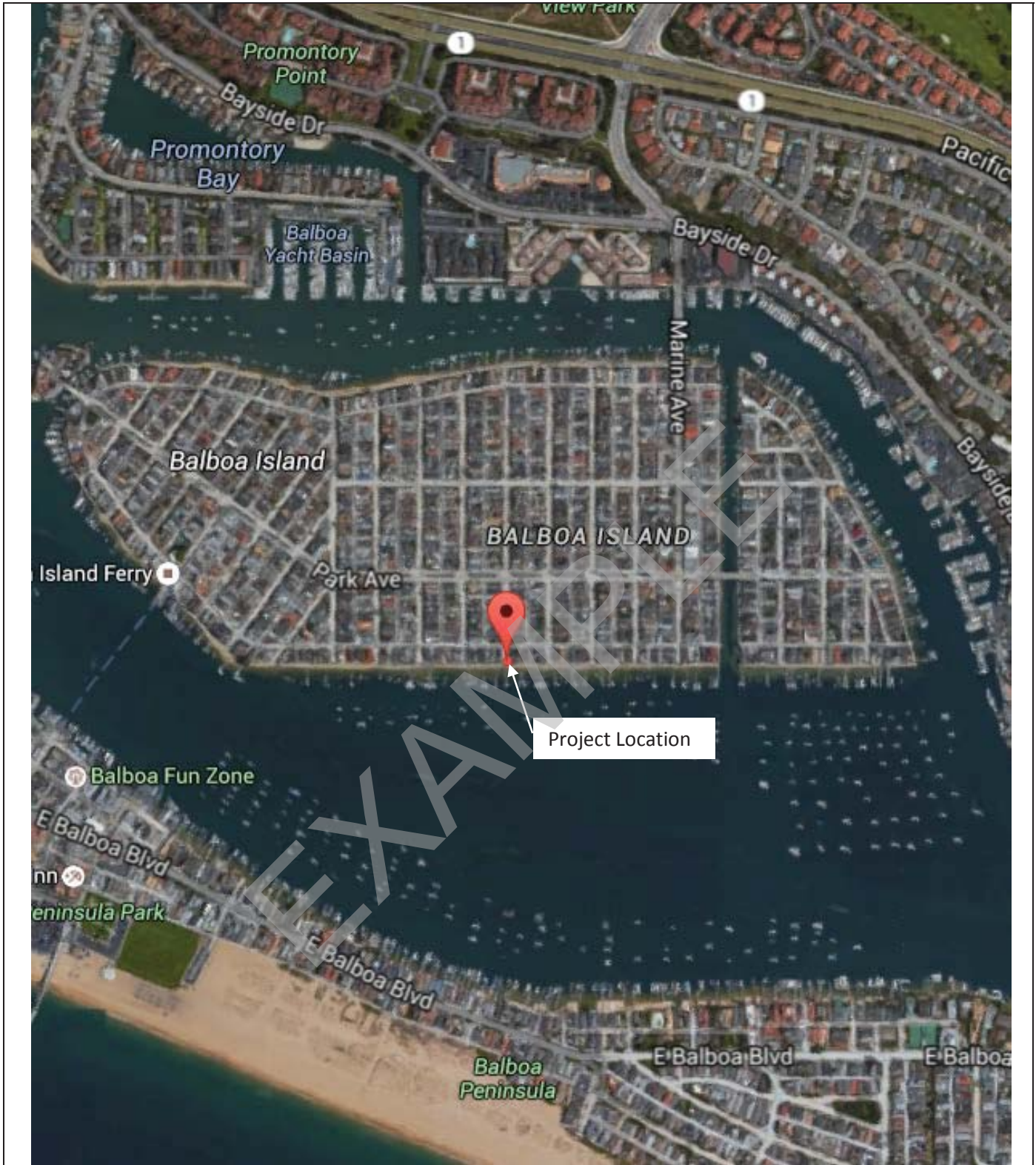
- Dredging design

Attachment D

- Results of any additional sediment characterization that may have been performed and proof of U.S. Environmental Protection Agency and U.S. Army Corps of Engineers approval
- Results of physical characteristic (grain size) testing performed at dredging location and any beach-receiver location

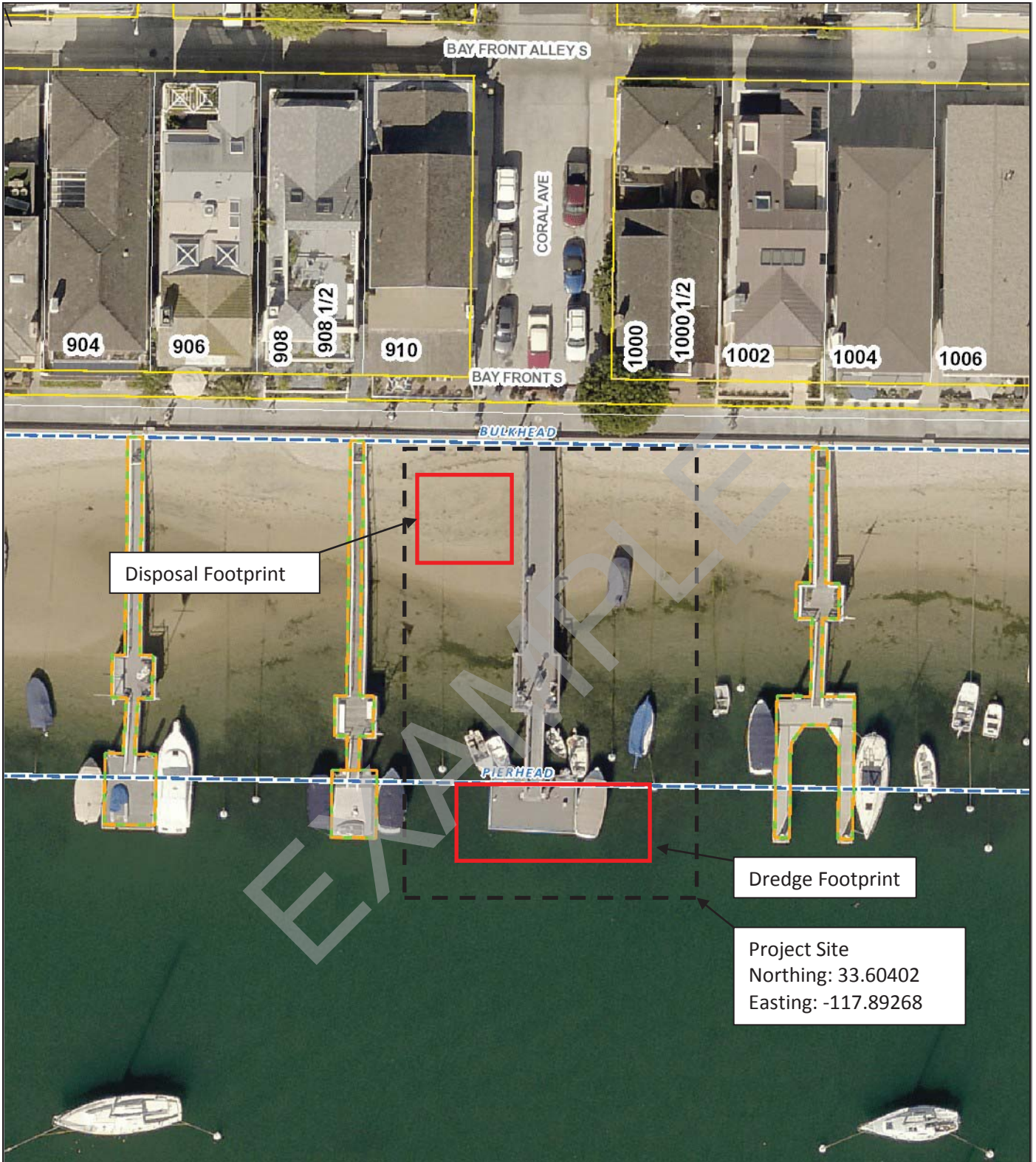
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Source: Google maps.

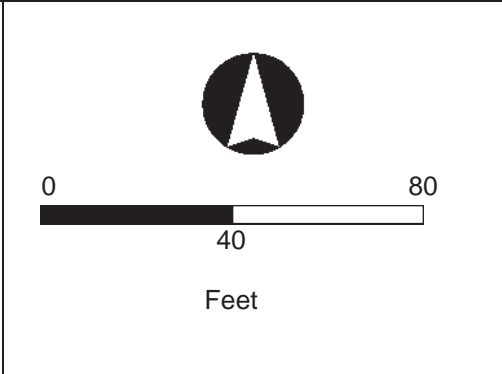
Figure 1
Vicinity Map
Coral Avenue Pier Maintenance Dredging Project



Disposal Footprint

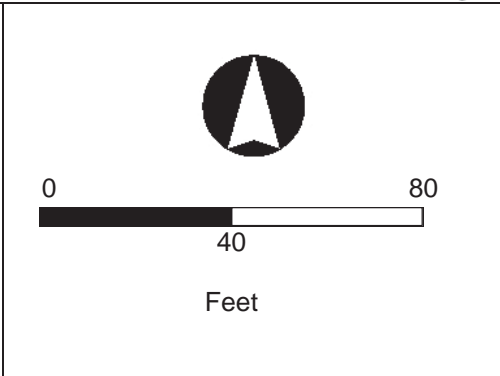
Dredge Footprint

Project Site
 Northing: 33.60402
 Easting: -117.89268



Disclaimer: Every reasonable effort has been made to assure the accuracy of the data provided, however, The City of Newport Beach and its employees and agents disclaim any and all responsibility from or relating to any results obtained in its use.
Imagery: 2009-2013 photos provided by Eagle Imaging www.eagleaerial.com
Horizontal Datum: California State Plane, Zone 5, NAD83, U.S. Feet
Note parcel number not provided for example, as example property is City right-of-way.

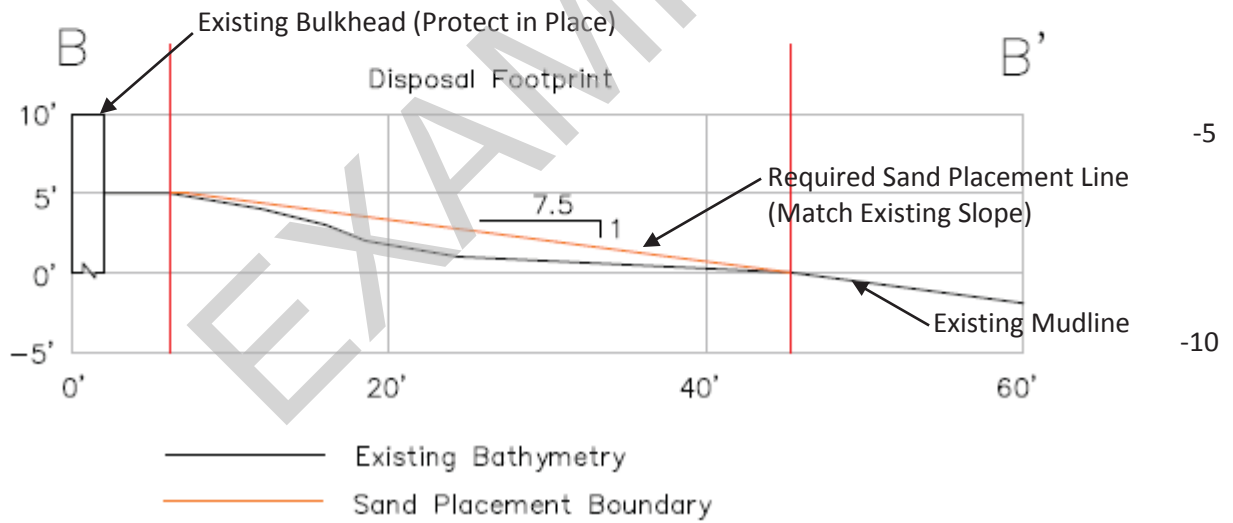
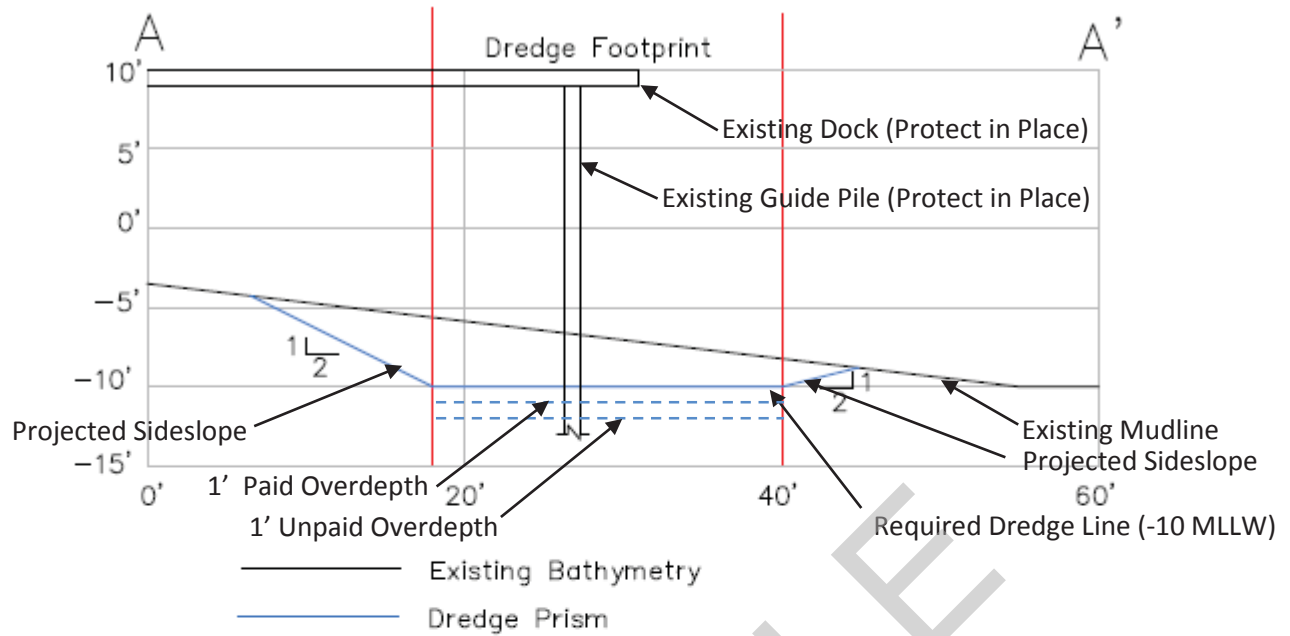
Figure 2
 Site Map
 Coral Avenue Pier Maintenance Dredging Project



Source: Docks and structures traced from Eagle Imaging. Bathymetry from Super Surveyors on January 28, 2015.
Horizontal Datum: California State Plane, Zone 5, NAD83, U.S. Feet
Vertical Datum: Mean Lower Low Water (MLLW)

— 5 — Existing Contour
 Eelgrass

Figure 3
Dredge and Disposal Plan
Coral Avenue Pier Maintenance Dredging Project



City of Newport Beach



Feet

Source: Docks and structures traced from Eagle Imaging. Bathymetry from Super Surveyors on January 28, 2015.
Horizontal Datum: California State Plane, Zone 5, NAD83, U.S. Feet
Vertical Datum: Mean Lower Low Water (MLLW)

Figure 4
 Cross-Sections
 Coral Avenue Pier Maintenance Dredging Project