INFORMATION SOURCES CONSULTED (CONTINUED)


6. City of Long Beach Community Noise Ordinance, obtained from the Internet, June 2006.

7. Air Pollution, article obtained from the Internet June 2006, by Suzanne E. Paulson, Ph.D., University of California Los Angeles, Department of Atmospheric Sciences.

8. Toxic Air: How Ports Contribute to Pollution in the L.A. Basin, a special report by the Long Beach Press Telegram, obtained from the Internet, June 2006, by Eric Johnson.

9. City of Long Beach Zoning Map, obtained from the Internet, June, 2006.

10. Long Beach Historic Landmarks, obtained from the Internet, June 2006.

11. List of National Historic Landmarks, National Historic Landmarks Program, obtained from the Internet, June 2006.


INFORMATION SOURCES CONSULTED (CONTINUED)


19. California Department of Fish and Game, Habitat Conservation Planning Branch, obtained from the Internet, June 2006.

20. Los Angeles Almanac, Threatened and Endangered Species, Los Angeles County, obtained from the Internet, June 2006.


22. EDR Sanborn Map Report, Proposed Boundary Exchange, Aquarium of the Pacific, Long Beach, CA, Inquiry Number 1697641.3s.

23. EDR Historical Topographic Map Report, Proposed Boundary Exchange, Aquarium of the Pacific, Long Beach, CA, Inquiry Number 1697641.4.

24. The EDR Radius Map with GeoCheck, Proposed Boundary Exchange, Aquarium of the Pacific, Long Beach, CA, Inquiry Number 1697641.2s.

25. EDR NEPA Check, Proposed Boundary Exchange, Aquarium of the Pacific, Long Beach, CA, Inquiry Number 1697641.7s.

26. Environmental Screening Form, National Park Service, 4-5.


30. Project Titles and Expansion Project Footprints, Email from J. Valleo, July 26, 2006.
EXHIBIT 1
SITE LOCATION MAP
QUEENSWAY BAY 6(F)(3) BOUNDARY MAP
AND
AQUARIUM LEASEHOLD
BOUNDARY ESTABLISHMENT MAP
(Current and Proposed)
Land Swap Plan

The north lease area (currently under Aquarium lease) will be traded for the south lease area (belongs to City of Long Beach)

Total square footage of each area:
19,757 SF
EXHIBIT 2

REGULATIONS AND POLICY PERTAINING TO PROPOSED LEASEHOLD ADJUSTMENT AND NATIONAL PARK SERVICE ALTERNATIVES ANALYSIS

(SYNOPSIS FROM SECTION 10 OF THE ENVIRONMENTAL ASSESSMENT REPORT)
EXHIBIT 2

REGULATIONS AND POLICY PERTAINING TO PROPOSED LEASEHOLD ADJUSTMENT AND NATIONAL PARK SERVICE ALTERNATIVES ANALYSIS (SYNOPSIS FROM SECTION 10 OF THE ENVIRONMENTAL ASSESSMENT REPORT)

The proposed leasehold adjustment would result in re-incorporating an improved 0.45-acre parcel formerly under Land and Water Conservation Fund Section 6(f)(3) protection and removing a landscaped 0.45-acre parcel from Land and Water Conservation Fund Section 6(f)(3) protection. These actions would require modification of the Shoreline Park Boundary Establishment Map (Project Number 06-09926, 1981). A copy of the Environmental Assessment Report in National Park Service format and references are on file with Lead Agency.

1.0 National Park Service Policy

Public Law 101-628, Section 1216, directs the Secretary of the Interior to develop criteria to evaluate any proposed change to the existing boundaries of individual park units (National Park Service Criteria for Boundary Adjustments, 3-4). These criteria include:

1. Analysis of whether the existing boundary provides for the adequate protection and preservation of the natural, historic, cultural, scenic and recreational resources integral to the unit;
2. An evaluation of each parcel proposed for addition or deletion based on this analysis; and
3. An assessment of the impact of potential boundary adjustments taking into consideration the factors listed above as well as the effect of the adjustments on the local community and surrounding areas.

Section 1217 provides that in proposing any boundary change after the date of enactment (November 28, 1990), the Secretary shall:

1. Consult with affected agencies of State and local governments, surrounding communities, affected landowners and private national, regional and local organizations;
2. Apply the criteria developed pursuant to section 1216 and accompany the proposal with a statement reflecting the result of the application of such criteria; and

110 Pine Avenue, Suite 925 • Long Beach, CA 90802-4455 • (562) 435-8080 FAX (562) 590-8795 www.targheecinc.com
3. Include an estimate of the cost of acquisition of any parcels proposed for acquisition together with the basis for the estimate and statement on the relative priority for the acquisition of each parcel within the priorities for other lands in the unit and the National Park System.

On page 6 of Appendix C to the *National Park Service Criteria for Boundary Adjustments: Supplement to Planning Process Guidelines* (National Park Service-2, December 1991) it is stated that:

*Opportunity for public enjoyment is an additional basis for boundary adjustment that does not necessarily depend on significance of the resource. A potential boundary adjustment does not need to have both significant resources and significant opportunities for public enjoyment. Some very important resources may have limited or no capacity for public access. For example, a sensitive natural area or important archaeological site may be recommended as a boundary addition on the basis of its value for research even if it is not appropriate for public use. On the other hand, if opportunities for public enjoyment are the reason for a boundary adjustment, these opportunities should be important and have substantial relationship to the purposes of the park. Boundary changes to encompass trails, overlooks, interpretive sites, or attractive areas for camping are examples of what could fit within this criterion if they are substantially related to park purposes.*

Granting Land and Water Conservation Fund Section 6(f)(3) protection to the Replacement Parcel (current North Lease Area) falls within this criteria for addressing expansion of park boundaries. The Replacement Parcel is and will continue to be an interpretive site and gathering place for the public. If the current leasehold is not adjusted, the Replacement Parcel will be removed from public use and enclosed as part of the outdoor exhibit area requiring paid admission.

On page 8, the document further states that

"Critical to fulfilling the park's purpose" should be interpreted to focus on the resources that were the reason for the park being established. For purposes of this criterion, park purposes should be defined by the specific resources referenced in authorizing legislation, subsequent amendments and related planning documents interpreting park purposes. This definition requires a somewhat subjective judgment about thresholds of threats from adjacent land uses, especially as they may have impacts on the quality of the visitor experience rather than direct physical impacts on resources within the park. In many areas, some changes in the character and quality of the park's setting are inevitable as land uses change over time. While these may somewhat diminish the quality of visitor experience, they do not usually fall with the scope "critical" to park purposes.

Currently, the Conversion Parcel (proposed South Lease Area) does not fulfill "critical" park purpose for Shoreline Park as defined in the Queensway Bay Master Plan. Removing it from Land and Water Conservation Fund Section 6(f)(3) protection and allowing an alternate land use would not exceed a recreational use threshold of significance.
(See Recreational Use Investigation in Environmental Assessment Report prepared in support of the Initial Study on file with Lead Agency).

2.0 State and Local Land Use Policies

The Aquarium Facility Enhancement Project is in compliance with state and local land use regulations and policies. The Queensway Bay Master Plan was in conformance with all applicable requirements of the Tidelands Trust Agreement between the City of Long Beach and the State of California (Queensway Bay EIR, Volume I, 6.2-10). Due to its location on filled tideland granted to the City of Long Beach by the State of California, Shoreline Park and the Aquarium campus are subject to the terms and provisions of the "tidelands trust". The "tidelands trust" is actually a series of State of California Statutes (Chapter 676, 1911; Chapter 158, 1925; Chapter 29, 1935; Chapter 29, 1956 FES; and Chapter 138, 1964 FES) and a Memorandum of Agreement entitled the Pacific Terrace Agreement dated September 12, 1974 by and between the City of Long Beach and the State of California (Queensway Bay EIR, 6.2-10).

The Trust is administered by the City of Long Beach. It is also subject to oversight by the State Lands Commission. Specific land use, certain operational aspects of the uses and the expenditure of any tidelands revenue to construct or operate facilities on any granted tidelands within Shoreline Park and the Aquarium campus are governed by the Trust and "grants of tide and submerged lands" (Queensway Bay EIR, 6.2-10).

Only land use projects with the expressed purpose of the "promotion and accommodation of the Port of Long Beach, commerce, navigation or fisheries related to the Port or the tidelands, marine or aquatic recreational activities, or other activities related to the beach and the tidelands" can be implemented in Shoreline Park and on the Aquarium campus (Queensway Bay EIR, 6.2-10). Under the terms of the Trust, priority uses of the tidelands facilities can only be granted to "persons, groups, associations, or organizations whose activities are closely related to tidelands related events." Use of tideland facilities by others is considered to be secondary or incidental (Queensway Bay EIR, 6.2-10).

The Queensway Bay Master Plan is regulated by the Downtown Planned Development Ordinance, Shoreline Planned Development Ordinance, PD-6 and the Queensway Bay Planned Development Ordinance, PD-2 (Queensway Bay EIR, Volume I, 6.2-20). The proposed Aquarium Facility Enhancement Project is in compliance with these land use ordinances.

Article 3 of the Coastal Act requires that there be no net loss of park land than currently exists (Queensway Bay EIR, Volume I, 6.16-5). Coastal Permit Number 5-95-0550 identifies the size of the Aquarium building as having a footprint of 125,000 square feet. The allowable Aquarium footprint is 150,000 square feet. The proposed leasehold adjustment will not result in any net loss of park land than currently exists.

Article 2 of the Coastal Act sets forth the minimum access requirements that resulted in construction of a 35-foot wide boardwalk along the Esplanade directly adjacent to the Replacement Parcel (Queensway Bay EIR, Volume I, 6.16-6). The proposed leasehold adjustment and Aquarium Facility Enhancement Project will not affect public use of the...
boardwalk or its view corridor. The Conversion Parcel is not adjacent to or visible from the
Esplanade and boardwalk. It is separated from Shoreline Park by a parking lot and PierPoint
Landing facility. The Replacement Parcel is an integral feature of the Boardwalk experience
for Shoreline Park and Rainbow Harbor visitors.

The Statewide Comprehensive Outdoor Recreation Plan for the State of California is
called the California Outdoor Recreation Plan. These plans are often referred to as SCORP
and CORP, respectively. According to staff in the City of Long Beach, Project
Development Bureau, the conversion of park land required for the Aquarium Facility
Enhancement Project is consistent with the State of California’s CORP and its Land and
Water Conservation Fund recommendations (AoP Working Project Description, City of
Long Beach, E-mail).

3.0 National Park Services Action Alternatives

No Project Alternative

Under this alternative, the National Park Service does not certify the proposed
Shoreline Park Boundary Establishment Map adjustment. The Aquarium would construct
the facilities identified in the Aquarium Campus Master Plan within the current leasehold at
the front of the existing building instead of in the rear on the proposed South Lease Area.
The Replacement Parcel would be incorporated into an outdoor exhibit area. The public
would no longer have free access to the Los Angeles River Watershed Exhibit and seating in
the Fountain area. The Conversion Parcel would remain as an isolated fragment with little
recreational or habitat value. (See Recreational Use Investigation in Appendix C.

Categorical Exemptions (Preferred Alternative)

Current North Lease Area (Replacement Parcel): Land acquisitions within
established boundaries qualify for a categorical exclusion for grant applicants provided future
anticipated uses would have no potential for environmental impact. (See Exhibit 2 at the
end of this report.) Based on the field notes and photographs in Appendix C of the
Environmental Assessment Report prepared in support of the Initial Study, there is no
potential for a negative environmental impact by returning the Replacement Parcel to Land
and Water Conservation Fund Section6(f)(3) protection.

Proposed South Lease Area (Conversion Parcel): Land Use Mitigation for
removing the Conversion Parcel from public open space to institutional use by the
Aquarium was accomplished under the mitigation measures executed as part of the
Queensway Bay development program. The City of Long Beach could have included the
Conversion Parcel in the original Aquarium leasehold without any additional land use
mitigation measures. The proposed leasehold adjustment qualifies as a categorical exclusion
requiring a record, which has been provided in an Environmental Assessment Report
prepared in support of the Initial Study.

The de facto land exchange occurred with the creation of the Special Events Park,
which did not involve a change in the use of land and no potential for environmental impact.
The proposed leasehold adjustment is a categorical exclusion applicable to the Land and
Water Conservation Fund Grant Program.
Expediting Certification of a Boundary Establishment Map (Alternative 3)

In a letter dated March 3, 2006 the Grants Program Manager for the National Park Service Land and Water Conservation Fund outlined the qualifying elements for expedited approvals for partial conversions of a Land and Water Conservation Fund assisted site:

1. There is little or no impact on the remaining park site after implementation of the conversion.
2. The replacement parcel is contiguous to the remaining park site.
3. The proposed conversion is not controversial.
4. The proposed conversion would not have a significant effect on the environment.
5. The proposed conversion would involve no more than 10 percent or five acres of the total protected land, whichever is less.

Over 200 people participated in the public meetings held during the preparation of the Aquarium Campus Master Plan. Comments made during the Planning Commission Hearing on the Queensway Bay Master Plan Environmental Impact Report indicated that the only objections to the proposed aquarium were concerns over the costs and projected attendance. Land use for Phase I and Phase II Aquarium construction was not challenged.

The proposed leasehold adjustment meets all of the criteria for an expedited certification of the Shoreline Park Boundary Establishment Map adjustment.

Finding of No Significant Impact (Alternative 4)

The Thresholds of Significance described in the Queensway Bay EIR are included in Exhibit 5 of the Initial Study. At the time that the Queensway Bay Master Plan Environmental Impact Report was prepared in 1994, the reduction in the acreage of Shoreline Park was not in conformance with the City of Long Beach's Open Space Element. The General Plan was amended to accommodate the reduction. The following information regarding anticipated impacts is found on page 6.16-4 of the Queensway Bay Environmental Impact Report:

1. 15.29 acres of Shoreline Park (62%) of the usable park land will remain. The 9.40-acre park loss will be replaced with the 12.50 acre special events park.

2. An Aquarium will be constructed on a 3.48-acre site in Shoreline Park.

3. A parking garage will be constructed on a 3.90-acre site in Shoreline Park.

4. Entertainment and retail will be constructed on 4.56 acres in the park area.

5. The water body in the park will increase to a Harbor of 29.51 acres.

The proposed leasehold adjustment will not result in any findings of significant impact.
EXHIBIT 3

CONCEPTUAL PLAN
The following projects will be built on the proposed expanded area:
- Husbandry center & veterinary care (only outdoor parts of center will be built on expanded property, rest will be within current Aquarium boundary)
- Aviary (existing outdoor structure will be relocated from within existing Aquarium boundary on to the expanded property)
- Port exhibit (part outdoor, part enclosed 2 storied building)
- Watershed exhibit & classroom (part outdoor, part enclosed building)

**Conceptual Site Plan** – layout of exhibits on expanded boundary
Husbandry Center & Veterinary Care
10,000 SF (1 floor)
Only 4,000 SF of outdoor space on expanded property
See page 8

Aviary
4,000 SF (1 floor)

Port Exhibit
5,000 SF (2 floors)
See page 7

Watershed Exhibit & Classroom
3,100 SF (1 floor)
See page 8

<table>
<thead>
<tr>
<th>Project</th>
<th>Outdoor Space (SF)</th>
<th>Indoor Space (SF)</th>
<th>Total Area (SF)</th>
<th>Target Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Husbandry Center &amp; Vet. Care</td>
<td>8,500 (4,000 on expanded property)</td>
<td>1,500</td>
<td>10,000 (4,000 on expanded property)</td>
<td>2008</td>
</tr>
<tr>
<td>Aviary</td>
<td>4,000</td>
<td>0</td>
<td>4,000</td>
<td>2015</td>
</tr>
<tr>
<td>Port Exhibit</td>
<td>500</td>
<td>2,500 (footprint)</td>
<td>4,500 (total)</td>
<td>2009</td>
</tr>
<tr>
<td>Watershed Exhibit &amp; Classroom</td>
<td>1,800</td>
<td>1,300</td>
<td>3,100</td>
<td>2007</td>
</tr>
</tbody>
</table>

Existing fence line
Native Landscaping
Proposed new fence line

Conceptual Plan
OBJECTIVES

- To provide engaging exhibits to highlight the impact of human intervention and show how it has altered the natural environments of our watersheds
- To encourage people all ages and from all communities to engage in conservation efforts to protect the environment
- To show visitors the beauty of native vegetation to encourage people to plant them in their own yards to help conserve water for our region
- To provide a unique, energy efficient environmental education room where staff, educators, and community members may assemble for educational purposes
- To allow Long Beach to serve as a model for other urbanized coastal cities

Project Components:
1. Classroom
2. Native landscaping
3. Watershed exhibit
4. Public exhibit at Pierpoint Landing

Watershed Exhibit & Classroom
Classroom and exhibit area at the Aquarium

Public exhibit at Pierpoint Landing

D. It All Flows to the Ocean: Creating a Sustainable Future
C. Our Watersheds: Pave or Protect
B. Freshwater Boundaries
A. Water Supply and Use

Watershed Section

Exhibit stations in the exhibit area

Watershed Exhibit & Classroom
Interactive exhibits giving visitors a unique perspective to the activities involved in working at the ports.

OBJECTIVES
- To raise the public's awareness of the important roles that ports play in the national economy and as part of the network of international commerce and transportation
- To demonstrate the significance of ports as a vital use of our ocean
- To promote education about the serious environmental impacts of ports and proposed solutions
- To illustrate job multiplier effort or our ports—1 in every 15 jobs in the Southern California is directly linked to international trade
- To show how ports has shaped the growth and definition of Long Beach and the Los Angeles basin and the Inland Empire
- To excite children about the career opportunities created by ports and the science and engineering studies for some of those careers

Port Exhibit

Living exhibits showing marine life existing in the ballasts of ships and in the healthy waters of the Ports of San Pedro Bay

Changing statistics and live video on the economic impacts the ports have on our daily lives, the region and the nationwide system of ports and sea transportation.
### AREA REQUIREMENT DETAIL (SF)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large fish holding (20' and 30') tanks</td>
<td>3,500</td>
</tr>
<tr>
<td>Smaller fish holding/quarantine</td>
<td>600</td>
</tr>
<tr>
<td>Veterinary (only indoor space)</td>
<td>1,500</td>
</tr>
<tr>
<td>Shorebird holding</td>
<td>500</td>
</tr>
<tr>
<td><strong>New area required</strong></td>
<td><strong>6,100</strong></td>
</tr>
<tr>
<td>Replace existing necropsy and holding area</td>
<td>3,900</td>
</tr>
<tr>
<td><strong>Total area of facility</strong></td>
<td><strong>10,000</strong></td>
</tr>
</tbody>
</table>

*Note: Only 4,000SF of all the outdoors of the facility will be on the expanded area.*

### OBJECTIVES

- To provide for the current shortfall in space and programs.
- To appropriately quarantine and medically treat any and all animals that enter the collection before they go on display.
- To engage in breeding and propagation programs that serve to protect and preserve marine and terrestrial species, many of which face current threats in their wild populations.
- To continually develop existing displays and to develop new and exciting exhibits to engage, entertain, and educate the public.
- To enhance the Aquarium experience and further educational goals through tours and display windows for the center.

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**Animal Care Center**

*Existing veterinary care*

*Existing holding area*
EXHIBIT 4

THRESHOLDS OF SIGNIFICANCE
<table>
<thead>
<tr>
<th>Environmental Resource</th>
<th>Threshold of Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Use</td>
<td>Non-conformance with the applicable goals, objectives and requirements of the City of Long Beach General Plan, Zoning Ordinance, Redevelopment Plan, Local Coastal Plan or Tidelands Trust.</td>
</tr>
<tr>
<td>Recreation</td>
<td>Cause an unmet demand for recreation and/or conflict with adopted recreation policy.</td>
</tr>
<tr>
<td>Special Events</td>
<td>If project construction or operation would result in precluding the Grand Prix Association of Long Beach and other established special events from running the race or hosting the event at or around the project area.</td>
</tr>
<tr>
<td>Biological Resources</td>
<td>Substantially affects a rare or endangered species of animal or plant or habitat of the species or interferes with the movement of any resident or migrating fish or wildlife species.</td>
</tr>
<tr>
<td>Historic and Cultural Resources</td>
<td>If the project entails the demolition of cultural or historic resources or if the project detracts from the aesthetic qualities of cultural or historic resources, either visually or physically.</td>
</tr>
<tr>
<td>Visual Resources</td>
<td>Failure to preserve appropriate available scenic views or creation by the proposed project of a substantial and demonstrable negative site open to the public view.</td>
</tr>
<tr>
<td>Earth (Geology)</td>
<td>Project grading or construction which would cause displacements, compaction, or overcovering of soil such that the proposed project's development poses a reasonable probability of endangerment by ground failure or other hazards to people or on-site or off-site structures, or if a unique physical feature is damaged, destroyed or created. Development in an Alquist-Priolo Zone (earthquake) would be considered significant.</td>
</tr>
</tbody>
</table>
# Thresholds of Significance

<table>
<thead>
<tr>
<th>Environmental Resource</th>
<th>Threshold of Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parking</td>
<td>The adequacy of the project's parking facilities will be measured against standards observed and established for similar facilities in the region. If the project's parking provisions do not meet or exceed these standards, the project will be judged to have a significant adverse impact with regard to parking.</td>
</tr>
<tr>
<td>Energy</td>
<td>Project development which would result in the need for new energy supplies not available from existing generation resources.</td>
</tr>
<tr>
<td>Hazards</td>
<td>Creation of a potential health hazard or involving the use, production or disposal of materials which pose a hazard to people, or animal or plant population.</td>
</tr>
<tr>
<td>Noise</td>
<td>Generation of post-construction noise levels which exceed the State Health and Safety Code standard of 65 dB(A) Ldn for exterior space and 45 dB(A) Ldn for interior space in hotel uses and 70 dB(A) Ldn for exterior space and 50 dB(A) Lnd for interior space in auditorium uses or otherwise violates the City's noise ordinance.</td>
</tr>
<tr>
<td>Public Services</td>
<td>Responses from the responsible public agency or jurisdiction will indicate whether, in their estimation, additional demand generated by the proposed project for public services will be able to be adequately accommodated (i.e., fire flow requirements, response times, etc.). If such demand cannot be met without substantial cost or more than 10 additional personnel or infrastructure, project impacts will be considered significant.</td>
</tr>
</tbody>
</table>
## Thresholds of Significance

<table>
<thead>
<tr>
<th>Environmental Resource</th>
<th>Threshold of Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrology and Flooding</td>
<td>Production of runoff which cannot safely be accommodated within the downstream flood control system, or development within a 100-year flood zone or area susceptible to inundation from dam failure.</td>
</tr>
<tr>
<td>Air Quality</td>
<td>Generation of daily emissions greater than the threshold criteria suggested by the South Coast Air Quality Management District:</td>
</tr>
<tr>
<td></td>
<td>Carbon Monoxide -- 550 lbs. per day</td>
</tr>
<tr>
<td></td>
<td>Sulfur Dioxide -- 150 lbs. per day</td>
</tr>
<tr>
<td></td>
<td>Nitrogen Dioxide -- 100 lbs. per day</td>
</tr>
<tr>
<td></td>
<td>Particulates -- 150 lbs. per day</td>
</tr>
<tr>
<td></td>
<td>Reactive Organic Gases -- 75 lbs. per day</td>
</tr>
<tr>
<td>Traffic and Circulation</td>
<td>If the project contributes substantially to an existing or projected air quality violation or exposes sensitive receptors to substantial pollutant concentrations, the impacts will also be considered significant.</td>
</tr>
<tr>
<td></td>
<td>Traffic operational levels will be measured in terms of the Intersection Capacity Utilization indices for intersections in the vicinity of the proposed project, based on the critical movement analysis techniques discussed in the Highway Research Board's Circular 212 manual.</td>
</tr>
<tr>
<td></td>
<td>Impacts are considered to be significant if traffic/circulation increases generated by the proposed project will result in (1) an intersections' level of service falling below the minimum acceptable level of service of 0.71-0.80 established by the City of Long Beach, or (2) a substantial worsening of the level of service of an intersection which currently operates a level of service of service greater than 0.91.</td>
</tr>
</tbody>
</table>
## Thresholds of Significance

<table>
<thead>
<tr>
<th>Environmental Resource</th>
<th>Threshold of Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>The creation of project-related housing growth or demand which would exceed project-related employment opportunities and anticipated local and regional growth as specified in the City of Long Beach General Plan and the Southern California Association of Government’s Growth Management Plan.</td>
</tr>
<tr>
<td>Population</td>
<td>A substantial increase in the resident, employees or user population growth attributable to the project which exceeds established City/General Plan forecasts, Southern California Association of Government’s regional Growth Management Plan forecasts or displacement of a large number of people due to the proposed project.</td>
</tr>
<tr>
<td>Utilities</td>
<td>Responses from the responsible public utilities or the City Engineer will indicate whether, in their estimation, demands for utility service created by the proposed project can be adequately served by existing supplies, facilities and service lines. If such needs cannot be met without substantial additional cost in personnel or infrastructure, project effects will be determined significant.</td>
</tr>
</tbody>
</table>
EXHIBIT 5

MITIGATION MONITORING PLAN
I. AIR QUALITY

As required by South Coast Air Quality Management District Rule 403-Fugitive Dust, all construction activities that are capable of generating fugitive dust are required to implement dust control measures during each phase of project development to reduce the amount of particulate matter entrained in the ambient air. The measures shall be printed on the project plans. They include the following:

- Application of soil stabilizers to inactive construction areas
- Quick replacement of ground cover in disturbed areas (as applicable)
- Watering of exposed surfaces twice daily
- Water of all unpaved haul roads three times daily
- Covering all stock piles with tarp
- Reduction of vehicle speed on unpaved roads
- Posted sign on site limiting traffic to 15 miles per hour or less
- Sweep streets adjacent to the project site at the end of the day if visible soil material is carried over to adjacent roads
- Cover or have water applied to the exposed surface of all trucks hauling dirt, sand, soil or other loose materials prior to leaving the site to prevent dust from impacting the surrounding areas

TIMING: During all phases of construction of the project
ENFORCEMENT: Building Bureau
II. NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)

A. Prior to the release of the grading permit, the applicant shall prepare and submit a Storm Drain Master Plan to identify all storm run-off and methods of proposed discharge. The Plan shall be approved by all impacted agencies.

   TIMING: Prior to issuance of the grading permit
   ENFORCEMENT: Planning & Building Department

B. Prior to the release of any grading or building permit, the project plans shall include a narrative discussion of the rationale used for selecting or rejecting BMPs. The project architect or engineer of record or authorized qualified designee shall sign a statement on the plans to the effect: “As the architect/engineer of record, I have selected appropriate BMPs to effectively minimize the negative impacts of this project’s construction activities on storm water quality. The project owner and contractor are aware that the selected BMPs must be installed, monitored and maintained to ensure their effectiveness. The BMPs not selected for implementation are redundant or deemed not applicable to the proposed construction activities.” (Source: Section 18.95.050 of the Long Beach Municipal Code)

   TIMING: Prior to issuance of the grading permit
   ENFORCEMENT: Planning & Building Department

III. NOISE

Any person(s) associated with the proposed project shall only operate or permit the operation of any tools or equipment used for site preparation, construction or any other related building activity that produces loud or unusual noise which annoys or disturbs a reasonable person of normal sensitivity between the following hours:

   Weekdays: 7 a.m. to 7 p.m.       Sundays: No work permitted
   Saturdays: 9 a.m. to 6 p.m.     Holidays: No work permitted

The only exception shall be if the Building official gives authorization for emergency work at the project site.

   TIMING: During all phases of construction of the project
   ENFORCEMENT: Building Bureau
EXHIBIT 6

LEGAL DESCRIPTIONS OF PROPOSED SOUTH LEASE AREA AND CURRENT NORTH LEASE AREA
LEGAL DESCRIPTION

SOUTH LEASE AREA

That portion of the artificially created land within the tidelands and submerged lands conveyed to the City of Long Beach by the State of California under an act of May 1, 1911, Chapter 676, Page 1304, as amended, lying in said City, County of Los Angeles, said State, described as follows:

Beginning at the easterly terminus of the line shown as having a bearing and distance of South 76°35'46" West 21.450 feet on the generally southerly line of Parcel 1 as described in document recorded October 17, 1995 as Instrument No. 95-1683687 Official Records of said County; thence westerly along the generally southerly line of said Parcel 1, the following three courses as shown on the exhibit map in said Instrument No. 95-1683687:

1. South 76°35'46" West 21.450 feet to the beginning of a non-tangent curve concave to the north, having a radius of 133.326 feet and to which beginning a radial line bears South 72°13'19" East;

2. Southwesterly, westerly, and northwesterly 341.820 feet along said curve through a central angle of 146°53'31";

3. North 90°00'00" West 107.561 feet to the beginning of a non-tangent curve concave to the west, having a radius of 153.00 feet and to which beginning a radial line bears South 75°05'04" East;

thence leaving said southerly line, southerly 33.03 feet along said curve through a central angle of 12°22'13"; thence on a non-tangent line, South 74°41'19" East 73.69 feet; thence South 57°36'24" East 144.90 feet to the beginning of a curve concave to the north and having a radius of 175.00 feet; thence southeasterly 37.05 feet along said curve through a central angle of 12°07'48"; thence South 69°44'12" East 91.41 feet to the beginning of a non-tangent curve concave to the east, having a radius of 42.00 feet and to which beginning a radial line bears South 58°21'49"
West; thence northerly 52.91 feet along said curve through a central angle of
72°10'44"; thence on a non-tangent line, North 71°14'39" East 21.61 feet to the
beginning of a non-tangent curve concave to the east, having a radius of 100.25 feet
and to which beginning a radial line bears North 83°52'05" West; thence northerly
39.72 feet along said curve, through a central angle of 22°42'06" to the beginning of
a non-tangent curve, concave easterly, having a radius of 104.25 feet and to which
beginning a radial line bears North 61°55'32" West; thence northeasterly 32.71 feet
along said curve through a central angle of 17°58'31"; thence North 46°02'59" East
27.05 feet to the beginning of a curve, concave northwesterly and having a radius of
51.00 feet; thence northerly 36.58 feet through a central angle of 41°06'01" to the
beginning of a non-tangent curve, concave southwesterly, having a radius of 75.00
feet and to which beginning a radial line bears North 62°53'01" East; thence
northwesterly 7.09 feet along said curve, through a central angle of 5°24'52"; thence
North 38°50'09" West 8.97 feet to the curved easterly line of said Parcel 1, said
curve being a non-tangent curve, concave easterly, having a radius of 435.00 feet,
and to which intersection a radial line bears South 77°46'27" West; thence
southerly 8.94 feet along said curved easterly line, through a central angle of
1°10'41" to the Point of Beginning.

This legal description is delineated on accompanying "Exhibit Map" and is made a
part hereof for reference purposes.

Prepared under the direction of

[Signature]

Robert C. Olson, PLS 5490
PSOMAS

Sheet 2 of 2
LEGAL DESCRIPTION

NORTH LEASE AREA

AQUARIUM OF THE PACIFIC

That portion of the artificially created land within the tidelands and submerged
lands conveyed to the City of Long Beach by the State of California under an act of
May 1, 1911, Chapter 676, Page 1304, as amended, lying in said City, County of
Los Angeles and said State and being a portion of Parcel 1 of Waived Parcel Map
No. 9509-02 recorded October 17, 1995 in Certificate of Compliance as Instrument
No. 95-16383687 of Official Records of said County, described as follows:

Beginning at the easterly terminous of the line shown as having a bearing and
distance of South 25°38'58" East 85.235 feet on the generally northerly line of said
Parcel 1, said easterly terminous also being the northerly terminous of the curved
easterly line of said Parcel 1, said curve being a non-tangent curve, concave
easterly, having a radius of 435.00 feet, and to which northerly terminus a radial
line bears North 34°18'14" West; thence southerly 229.13 feet along said curved
easterly line, through a central angle of 30°10'46"; thence leaving said easterly line
North 16°42'22" West 26.14 feet; thence North 14°01'00" West 12.19 feet to the
beginning of a curve, concave easterly and having a radius of 165.00 feet; thence
northerly 83.98 feet along said curve through a central angle of 29°09'47"; thence
on a non-tangent line, North 24°15'22" West 39.76 feet; thence North 24°17'16"
East 46.05 feet; thence North 70°54'20" East 128.73 feet to the northerly line of
said Parcel 1; thence along said line, South 25°38'58" East 75.79 feet to the Point of
Beginning.
This legal description is delineated on accompanying "Exhibit Map" and is made a part hereof for reference purposes.

This legal description is not intended to be used in the conveyance of land in violation of the Subdivision Map Act of the State of California.

Prepared under the direction of

Robert C. Olson
PLS 5490
PSOMAS
EXHIBIT MAP

AQUARIUM ROAD

AQUIUM ACCESS ROAD

N 24°17'16"E 45.06'
N 24°15'22"W 39.76'

R=165.00'
L=83.98'
\( \Delta = 29'09'47" \)

N 14°01'00"W 12.19'
N 16°42'22"W 26.14'

POINT OF BEGINNING
N 34°18'14"W (RAD)

100' 50' 0' 100' 200'

GRAPHIC SCALE
SCALE: 1" = 100'

WAIVED PARCEL MAP NO. 0500-02
PER INST. NO. 06-1883687
PARCEL 1

TIDELANDS CONVEYED TO THE CITY OF LONG BEACH
UNDER ACT OF MAY 1, 1911, CHAPTER 678, PAGE 1304

INDICATES PROPERTY IN QUESTION
19,757 SQUARE FEET IN AREA

PSOMAS
11444 West Olympic Boulevard, Suite 750
West Los Angeles, CA 90064-1546
(310) 896-1000 \( \text{FAX} \) 896-3777

3.10.2005

PROFESSIONAL LAND SURVEYOR
A.B. 5490
State of California

ROBERT C. OLSON

Mar. 10, 2005 - 09:13:03
DWG Name: W:\\AQU0201.00\\SURVEY\LEGAL\PL\PL-NORTLEASE.dwg Updated By: choward