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Filed:

#### CALIFORNIA COASTAL COMMISSION

South Coast Area Office 200 Oceangate, Suite 1000 Long Beach, CA 90802-4302 (562) 590-5071

49th Day: 180th Day April 30, 1998 June 18 1998

180th Day: October 27, 1998 Staff: SFR-LB

Staff Report:

SFR-LB May 21, 1998

Hearing Date: June 8-11, 1998

Commission Action:



### STAFF REPORT: REGULAR CALENDAR

**APPLICATION NO.: 5-97-366** 

APPLICANT: California Department of Fish and Game AG

**AGENT:** Eric Burres

PROJECT LOCATION: Department of Fish and Game Bolsa Chica

Ecological Reserve, Bolsa Chica, County of Orange

PROJECT DESCRIPTION: Construction of a two foot tall wooden roundstock fence. The round-stock wooden fence would run along the Bolsa Chica Mesa bluff edge facing Outer Bolsa Bay seaward and parallel to an existing public trail for approximately 2400 linear feet. An additional 390 feet of fencing would be located within the Ecological Reserve along Warner Avenue.

LOCAL APPROVALS RECEIVED: Approval in Concept from the County of Orange.

SUBSTANTIVE FILE DOCUMENTS: Notice of Exemption issued by the California Department of Fish and Game. Bolsa Chica Local Coastal Program. Bolsa Bay, A Conceptual Plan for Resource and Recreation (December 1972). Department of Fish and Game Memorandum of October 23, 1997. Coastal Development Permits: 5-93-060, 5-90-1143, A-5-BLC-97-188. Superior Court of the State of California, County of San Diego, Statement of Decision (Case No. 703570) Concerning the Bolsa Chica Land Trust, Huntington Beach Tomorrow, Shoshone-Gabrielino Nation, Sierra Club, and Surfrider Foundation versus the California Coastal Commission, dated June 4, 1997.

#### **SUMMARY OF STAFF RECOMMENDATION:**

Staff recommends approval of the proposed project with two special conditions requiring the submission of a signage plan and the relocation of a



portion of the fence. The major issues of this staff report concern development within an environmentally sensitive habitat area and the potential that the development could result in erosion.

#### **STAFF RECOMMENDATION:**

The staff recommends that the Commission adopt the following resolution:

### I. Approval with Conditions.

The Commission hereby **GRANTS** a permit, subject to the conditions below, for the proposed development on the grounds that the development, located between the first public road and the sea, will be in conformity with the provisions of Chapter 3 of the California Coastal Act of 1976, will not prejudice the ability of the local government having jurisdiction over the area to prepare a Local Coastal Program conforming to the provisions of Chapter 3 of the Coastal Act, and will not have any significant adverse impacts on the environment within the meaning of the California Environmental Quality Act.

#### II. Standard Conditions.

- 1. <u>Notice of Receipt and Acknowledgment</u>. The permit is not valid and construction shall not commence until a copy of the permit, signed by the permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.
- 2. Expiration. If construction has not commenced, the permit will expire two years from the date on which the Commission voted on the application, or in the case of administrative permits, the date on which the permit is reported to the Commission. Construction shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.
- 3. <u>Compliance</u>. All construction must occur in strict compliance with the proposal as set forth in the application for permit, subject to any special conditions set forth below. Any deviation from the approved plans must be reviewed and approved by the staff and may require Commission approval.

- 4. <u>Interpretation</u>. Any questions of intent or interpretation of any condition will be resolved by the Executive Director of the Commission.
- 5. <u>Inspections</u>. The Commission staff shall be allowed to inspect the site and the development during construction, subject to 24-hour advance notice.
- 6. <u>Assignment</u>. The permit may be assigned to any qualified person, provided assignee files with the Commission an affidavit accepting all terms and conditions of the permit.
- 7. Terms and Conditions Run with the Land. These terms and conditions shall be perpetual, and it is the intention of the Commission and the permittee to bind all future owners and possessors of the subject property to the terms and conditions.

### III. Special Conditions.

#### 1. Signage Plan

Prior to issuance of this permit the applicant shall submit, for the review and approval of the Executive Director, a signage plan which informs the public of their requirement to stay on the existing public trail to minimize adverse impacts to the bluff face. Signage shall be installed in compliance with the plans approved by the Executive Director.

#### 2. Revised Plans

Prior to issuance of this permit, the applicant shall submit revised plans, for the review of the Executive Director, that depict the on-the-ground location of the fence. These plans shall be drawn to a scale of at least one inch to two-hundred and fifty feet on a recent topographic map. Property lines shall also be depicted. To the extent feasible, fencing and the trail shall be set back a minimum of fifteen (15) feet from the bluff edge. The fence and any necessary trail relocation shall be constructed as shown on the revised plans as approved by the Executive Director.

### IV. Findings and Declarations.

The Commission hereby finds and declares as follows:

### A. Project Description and Location

The California Department of Fish and Game proposes to construct a wooden round-stock fence in the Bolsa Chica Ecological Reserve. The Bolsa Chica Ecological Reserve is located in unincorporated Orange County to the southeast of the intersection of Pacific Coast Highway and Warner Avenue (Exhibits 1 and 2). The wooden round-stock fence would be approximately two feet tall (Exhibit 3 depicts the design of the fence) and would run along the inland side of the Bolsa Chica Mesa bluff edge facing Outer Bolsa Bay for approximately 2,400 feet, parallel to and seaward of an existing public trail (Exhibit 2). The fence would be located on the seaward side of the public trail but landward of the bluff edge. The fence will be set back from the bluff edge by approximately 15-20 + feet (Page 2 of Exhibit 4) excepting portions of the trail which are very close to the bluff edge. The fence will not be constructed on portions of the trail which crosses onto land which is owned by California Coastal Communities (formerly the Koll Real Estate Group). The purpose of installing the fence is to encourage the public when using the bluff top trail to remain on the trail and not to trespass onto the sensitive bluff face thereby minimizing damage to the bluff face.

The existing bluff top trail paralleling the proposed fence provides public pedestrian access from the California Department of Fish and Game's public parking lot located at Pacific Coast Highway and Warner Avenue to the Department's interpretive overlook above Outer Bolsa Bay. (See Exhibit 2)

Fence construction on the Mesa will be accomplished by using various hand tools such as shovels and post-hole diggers. Work will usually be done on weekends using small groups of volunteers. Fence construction will be undertaken by hand to minimize the adverse impacts of the proposed development on the ecological resources located in the area.

Additionally, 390 linear feet of fence will be constructed adjacent to Warner Avenue (Exhibit 2). This segment of the fence will separate the parking lot from Warner Avenue.

### B. <u>Environmentally Sensitive Habitat Area</u>

The proposed fence will occur within the Bolsa Chica Ecological Reserve on the Bolsa Chica Mesa adjacent to a bluff edge. The Bolsa Chica Ecological Reserve is considered an environmentally sensitive habitat area. The Ecological Reserve also contains public trails and overlooks which allow the public to access the site without adversely impacting the Reserve's ecological values. Section 30240 of the Coastal Act mandates the protection of environmentally sensitive habitats. Section 30240 of the Coastal Act states:

- (a) Environmentally sensitive habitat areas shall be protected against any significant disruption of habitat values, and only uses dependent on those resources shall be allowed within those areas.
- (b) Development in areas adjacent to environmentally sensitive habitat areas and parks and recreation areas shall be sited and designed to prevent impacts which would significantly degrade those areas, and shall be compatible with the continuance of those habitat and recreation areas.

This policy dictates that the proposed fence can be allowed provided that it will not have a significant impact on habitat values and that the development be compatible with the continuance of habitat and recreation values. During the course of preparing the Bolsa Chica Local Coastal Program, the County of Orange prepared an Environmental Impact Report for Bolsa Chica. The "1996 Recirculated Draft Environmental Impact Report # 551 (SCN: 93-071064)" reviewed the presence of terrestrial wildlife over the entire Bolsa Chica ecosystem including the Ecological Reserve. The DEIR does not document the presence of large terrestrial mammals. Additionally, the DEIR does not document the presence of any sensitive mammals on the Mesa. The DEIR does acknowledge the presence of sensitive reptiles, amphibians, and birds throughout the whole Bolsa Chica ecosystem. The DEIR does acknowledge the presence of cottontail rabbit, opossum, striped skunk, coyote, long-tailed weasel, and the red fox. The DEIR notes that the red fox is considered an invasive non-native species and that the coyote is considered an important meso-predator regulator. As such the coyote is an effective biological means of controlling the red fox population. The proposed fence, because of its low profile and open design (Exhibit 3) would not impede the movement of any of these animals.

The findings of the DEIR concerning terrestrial animals at Bolsa Chica is consistent with a field study conducted in February 1990 by C. Robert Feldmeth for CDP 5-90-1143 for the demolition of the two gun emplacements on the Mesa. Dr. Feldmeth, as a consequence of his field investigation, concluded that no plant or animal species listed by State or Federal government were on the property owned by California Coastal Communities (formerly the Koll Real Estate Group). Two sensitive species, based on habitat characteristics, could be present. These two species are the San Diego horned lizard and the burrowing owl. Dr. Feldmeth observed five species of mammals which included the: black-tailed hare, Audubon's cottontail, California ground squirrel, Botta pocket gofer, and the coyote.

Furthermore, EIP Associates evaluated another fence project (A-5-BLC-97-188) close to this project in terms of its potential impacts to wildlife in September 1997. This fence project was for a seven foot tall chain link pre-construction security fence around the property held by California Coastal Communities. The letter by EIP Associates concluded that the installation of a chain link fence, raised a minimum of six inches above the ground, would not impede the movement of small mammals such as coyotes, rabbits and squirrels and that the fence may discourage the movement of the red fox. However, this adverse impact is not considered significant since the red fox is considered a predator to the federally listed tern, elegant tern, and western snowy plover. The coyote, as mentioned previously, controls the population of the red fox. As such the presence of the coyote is considered biologically beneficial. The Commission approved this prior fence project on November 5, 1997 with a special condition requiring that the base the fence be raised by six inches above ground level to facilitate the movement of terrestrial animals.

Fencing within or adjacent to an environmentally sensitive habitat area is of a concern as it could restrict the free movement of wildlife, could impede public recreational use, and could affect bluff stability through increased erosion. Adverse impacts on wildlife habitat, and the public's ability to use recreational areas would be inconsistent with Section 30240 of the Coastal Act.

In this case the fence will not have an adverse impact on terrestrial animals because of its low profile (two feet tall) and open design (Exhibit 3). The bottom rail of the proposed fence would be approximately one foot above the terrain. The top rail of the fence would be two feet above grade. The two rails are separated by a open gap of about one foot. Any animals which need to pass through the fence can either go over it, under it, or through it. Next, the fence will be located adjacent to an existing public trail for the purpose of keeping the public on the trail so that they will not adversely

impact the bluff face. Though the project is in an environmentally sensitive habitat area, the trail itself does not constitute environmentally sensitive habitat and it would be beneficial to keep the public on the trail. Therefore the Commission finds that the proposed fence will not have a significant impact on environmentally sensitive habitat and is consistent with the requirements of Section 30240 of the Coastal Act.

### C. Geologic Stability

Development in the vicinity of bluffs can adversely impact the structural integrity of bluffs. Section 30253 of the Coastal Act states, in part, that new development shall:

- (1) Minimize risks to life and property in areas of high geologic, flood, and fire hazard.
- (2) Assure stability and structural integrity, and neither create nor contribute significantly to erosion, geologic instability, or destruction of the site or surrounding area or in any way require the construction of protective devices that would substantially alter natural landforms along bluffs and cliffs.

To evaluate the proposed fence's impact on bluff stability and the potential for erosion an engineer with the Department of Fish and Game conducted a site visit on October 16, 1997. In a memo dated October 23, 1997 (Exhibit 4) the Department of Fish and Game concluded that the project will not have an adverse impact on the Reserve's ecological values, that that the fence would be beneficial as it would establish a buffer area between the trail and the bluff face. This buffer area would encourage resource protection since it will allow vegetation to reestablish itself which will promote the return of the area to its natural state. The increased vegetation in the buffer area would help stabilize the bluff and would reduce the potential for erosion.

Commission staff visited the project site on May 20, 1998 to observe the impact that portions of the existing fence may have had on erosion. Commission staff observed no evidence of erosion around the existing fence posts (except for one fence post) and that the fence posts, in the majority of cases, had extensive vegetation growing around them. Based on these observations the area impacted by the installation of the fence posts have successfully revegetated.

The Bolsa Chica Mesa bluff face is immediately adjacent to outer Bolsa Bay which is subject to tidal action. During high tides, the toe of the bluff face is located in the water. Commission staff noted that a small section of the Bolsa Chica bluff face near Warner Avenue had failed and that one fence post was now located on the bluff edge. Hence, bluff retreat is still

underway. This bluff failure may be the result of erosion at the toe of the bluff resulting from the movement of incoming and outgoing tides. As a consequence, this segment of the fence, and possibly the trail, should be moved inland. Therefore, the Commission finds that the fence and the public trail (if necessary to maintain the fence on the seaward side of the trail) be moved inland by a minimum of fifteen feet to reestablish an adequate setback from the bluff edge for purposes of protecting the setback area from human intrusion and to minimize any adverse impacts the development may have on the stability of the bluff.

The goal of the proposed fence is to discourage the public from leaving the trail. The fence is quite low and would be easy to cross. Further, approximately 600 feet of trail is on land owned by California Coastal Communities and would not have a fence on the seaward side of the trail to discourage public from walking out onto the sensitive bluff edge. To achieve the goal of discouraging the public from leaving the trail, signs could be place along the trail informing them of the necessity to stay on the trail to avoid adverse impacts to vegetation. A signage plan was not submitted with the fence application. Consequently the Commission must impose a special condition requiring the submission of a signage plan which advises users of the trail that they are to remain on the trail to avoid damaging both the habitat located in the by the bluff and the bluff itself. Only as conditioned for the submission of a signage program and the submission or revised plans indicating that fence is setback a minimum of fifteen feet from the bluff edge does the Commission find that the proposed fence is consistent with Section 30253 of the Coastal Act to assure that adverse impacts to geologic stability are minimized.

#### D. <u>Public Access</u>

Section 30604(c) of the Coastal Act mandates that any coastal development permit issued for development between the first public road and the sea shall include a specific finding that the development is in conformity with the public access and recreation policies of the Coastal Act. The proposed fence will be located between the first public road and the sea. The proposed fence, however, will not adversely affect coastal access opportunities or recreation considering it will be placed parallel to an existing public trail. The existing public trail provides public access from the Department of Fish and Game parking lot to the Department's interpretive overlook above Outer Bolsa Bay.

The purpose of the fence is to discourage the public from leaving the trail and walking out onto the fragile bluff face. Unrestricted public access to the bluff face would be detrimental to plant and animal life dependent on the

bluff face and could lead to accelerated erosion of the bluff face. The proposed fence will not affect the public's ability to utilize the existing trail to access the recreational opportunities in the Ecological Reserve; therefore, the Commission finds that the proposed fence is consistent with the public access and recreation policies of the Coastal Act.

### E. <u>Unpermitted Development</u>

Without benefit of a coastal development permit, the applicant has undertaken partial construction of the fence along the Bolsa Chica Mesa bluff edge. Coastal Commission staff confirmed the presence of the partially constructed fence in August 1997 through a site visit. Coastal Commission staff contacted the California Department of Fish and Game to advise them that a coastal development permit would be required. On November 14, 1997 the California Department of Fish and Game submitted an application for a coastal development permit with the Commission. The application was deemed incomplete on December 2, 1997. The applicant submitted the requested information and the application was filed complete on April 30, 1998.

Consideration of the permit application by the Commission has been based solely on the consistency of the proposed development with the policies of Chapter 3 of the Coastal Act. The Bolsa Chica Local Coastal Program was used as guidance by the Commission in reaching its decision.

Approval of this permit does not constitute a waiver of any legal action with regard to the alleged unpermitted development, nor does it constitute admission as to the legality of any development undertaken on the subject site without a coastal development permit. The Commission may take action at a future date with respect to the removal of the unpermitted development and/or restoration of the site.

### F. Local Coastal Program

Section 30604(a) of the Coastal Act provides that the Commission shall issue a Coastal Development Permit only if the project will not prejudice the ability of the local government having jurisdiction to prepare a Local Coastal Program which conforms with the Chapter 3 policies of the Coastal Act. The Commission on October 9, 1997 approved the Bolsa Chica LCP. However, final certification of the Bolsa Chica LCP is pending based on the outcome of an appeal that has been filed with the Court.

The County of Orange, prior to June 4, 1997, had a certified Local Coastal Program for Bolsa Chica. Normally the certified LCP would serve as the

standard of review since Section 30604(b) of the Coastal Act states that "After certification of the local coastal program, a coastal development permit shall be issued if the issuing agency or the commission on appeal finds that the proposed development is in conformity with the certified local coastal program." However, on June 4, 1997 the Superior Court set aside the certification of the Bolsa Chica LCP and required that the Commission reconsider its certification in light of the judge's decision.

On October 9, 1997 the Commission approved the Bolsa Chica LCP with suggested modifications that responded to the judge's ruling. The Orange County Board of Supervisor's accepted the Commission's suggested modifications on February 3, 1998. On February 10, 1998 the Commission received the County's submission of their adoption of the Commission's suggested modification. The Executive Director's certification to the Commission that the County of Orange had complied with the Commission's action on the Bolsa Chica LCP, however, did not occur. On February 20, 1998 the judge, on appeal, determined that the Commission had inappropriately limited public testimony at the October 9, 1997 Commission meeting. Since the appeal process is still under way with the Court, certification of the LCP has been suspended pending the outcome of the judicial process. Therefore, evaluation of the proposed project will be based on the California Coastal Act.

The proposed development, as conditioned by the Commission, will not create adverse impacts on coastal access or coastal resources under Chapter 3 of the Coastal Act. Therefore the Commission finds that approval of the project will not prejudice the County's ability to prepare a Local Coastal Program for Bolsa Chica.

### G. California Environmental Quality Act

Section 13096(a) of the Commission's administrative regulations requires Commission approval of Coastal Development Permit applications to be supported by a finding showing the application, as conditioned by any conditions of approval, to be consistent with any applicable requirements of the California Environmental Quality Act (CEQA). Section 21080.5(d)(2)(A) of CEQA prohibits a proposed development from being approved if there are feasible alternatives or feasible mitigation measures available which would substantially lessen any significant adverse effect which the activity may have on the environment.

The project is located within an environmentally sensitive habitat area near an existing urbanized area. The proposed development has been conditioned, for the submission of a signage plan and the submission of revised plans

incorporating a fifteen foot setback to assure that the project will not have a significant adverse impact on coastal access or environmentally sensitive habitat. The proposed development is consistent with the Chapter 3 policies of the Coastal Act. The project as proposed is the least environmentally damaging alternative. Therefore, the Commission finds that the proposed project is consistent with CEQA and the policies of the Coastal Act.

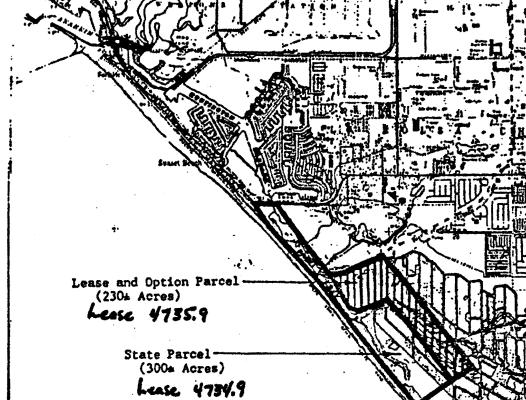


EXHIBIT "A" BLA 137



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HUNTINGTON BEACIL

EXHIBIT No. 1

Application Number:

5-97-366

Location Map

California Coastal
Commission

5-91-3d

NOV 1 3 1997

CALIFORNIA COASTAL COMMISSION Bolsa chica MesA Outer Bolsa Bay Pacific Ocean

NOTE .

THIS MAP WAS COMPILED FROM 100 SCALE AERIAL PHOTOGRAPHY, DATED SEPTEMBER 17, 1980 AND JULY 28, 1986 , PREPARED BY SAN -LO AERIAL SURVEYS

Proposed fence line

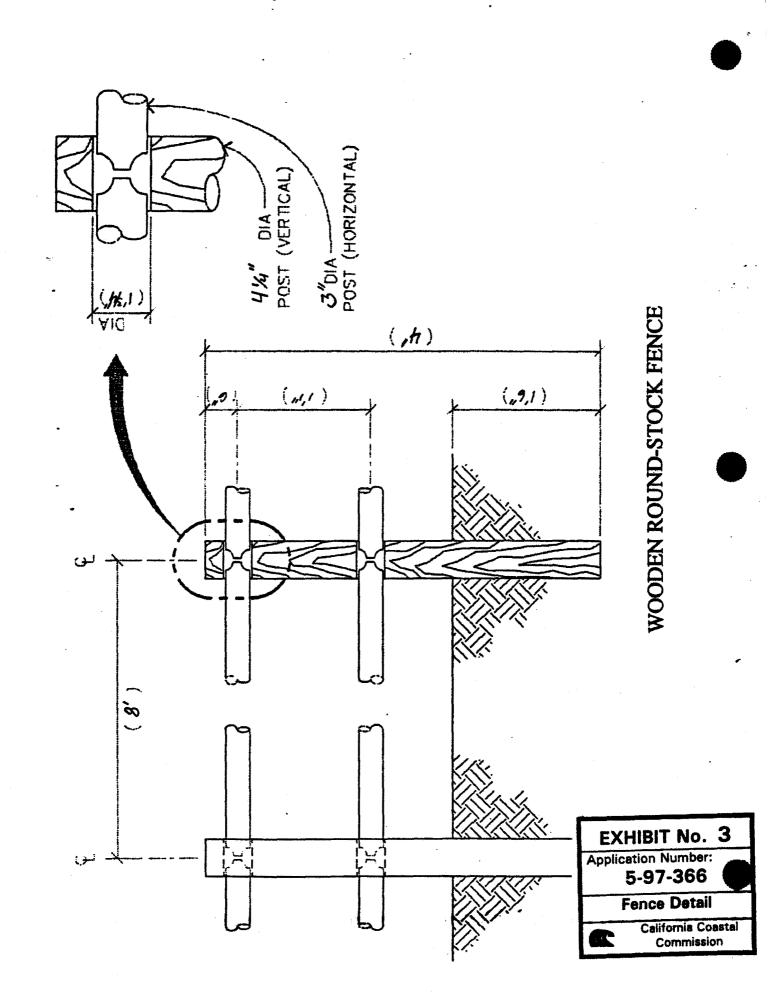
BENCHMARK .

USC B GS BENCHMARK "TIDAL 2 RESET 1962" BRONZE DISK LOCATED IN A STANDARD CONCRETE SIGNAL BASE, AT THE MORTHWEST CORMER OF THE INTERSECTION OF PACIFIC COAST HIGHWAY (U.S. 101 ALT.) AND WARNER AVENUE .

WILLIAMSON & SCHMID

ELEV. + 6.572 (1976 ORANGE COUNTY DATUM)

Application Number: 5-97-366 EXHIBIT No. California Coastal Commission



State of California

### Memorandum

To

: Mr. Eric Burres

Region 5 Headquarters

5-97-366 DECEIVED

date : October 23, 1997

NOV 1 3 1997

CALIFORNIA COASTAL COMMISSION

From

Department of Fish and Game

Subject: Fence Installation, Bolsa Chica Ecological Reserve, Orange County, California

On October 16, 1997, Ms. Katherine Sirk met with you at the Bolsa Chica Ecological Reserve to review the proposed plan to install a wood rail fence along the bluff trail. The results of that review are as follows.

The new wood rail fence is recommended as it will provide a greatly needed buffer zone between the walking trail along the bluff and the bluff's edge. The fence will reduce the number of people from venturing out to the bluff's edge or climbing down the bluff to the water. Less foot traffic will allow the vegetation to reestablish itself and help return the area to its natural state. The increase in vegetation will also stabilize and protect the soil, therefore slowing the erosion rate of the bluff. In addition, the installation of the fence will not increase the rate of erosion of the bluff.

If you have any questions or need additional information, please contact Ms. Katherine Sirk, telephone (916) 323-1570, CALNET (8) 473-1570 or myself at (916) 323-1488, CALNET (8) 473-1488.

Robert Benson, Chief Engineer Technical Services Branch

Engineering File Chron File

**EXHIBIT No. 4** 

Application Number:

5-97-366

DF&G Memo



California Coastal
Commission

### Memorandum

: Mr. Stephen Rynas, AICP
California Coastal Commission
200 Oceangate, Suite 1000
Long Beach, California 90802



CALIFORNIA COASTAL COMMISSION

From: Department of Fish and Game - John Anderson

subject : Incomplete Notice for Coastal Development Permit Application No. 5-97-366

This is in response to the Incomplete Notice for Coastal Development Permit No. 5-97-366 dated December 2, 1997 for the construction of a round-stock fence at Bolsa Chica Ecological Reserve (Reserve).

The Department of Fish and Game (Department) is undertaking this project to protect sensitive wetland habitats and provide compatible public use within the Reserve. The Department's lease of this land from the California State Lands Commission authorizes us to undertake this project. The project reflects specific objectives and primary uses as identified within the document titled Bolsa Bay: A Conceptual Plan for Resource and Recreation as cited within the lease:

### Objectives - Page 12

- 1) To provide habitat for a variety of water-associated wildlife including the endangered light-footed clapper rail and least tern;
- 2) To provide Bolsa Chica State Beach expanded recreational opportunities;

### Primary Uses - Page 14

- 1) A saltmarsh ecosystem over a major portion of the area;
- 2) Facilities for maximum public use of the ecological area and the adjacent beach compatible with maintaining optimum numbers and diversity of fish and wildlife.

Attached is a complete copy of the lease between the State Lands
Commission and the Department for Bolsa Chica Ecological Reserve and Bolsa Bay:
A Conceptual Plan for Resources and Recreation.

Please find attached also a construction drawing depicting the wooden roundstock fence in detail and a new site plan showing the location of the fence in response to comment items 1 and 2.

Application Number: 5-97-366

DF&G Memo

California Coastal Commission Mr. Stephen Rynas March 27, 1998 Page Two

In response to comment item No. 3, the Department is modifying the project description. The proposed fence will be located solely on lands managed by the Department. As previously stated in the permit application, we plan to install approximately 270 feet of fence from the corner of Pacific Coast Highway and Warner Avenue to the Warner Avenue parking lot entrance, 120 feet of fence from the Warner Avenue trailhead to the property line, and 2,400 feet of fence from the Warner Avenue trailhead along the bluff-top trail (excluding approximately 600 feet of trail on property not managed by the Department) to the bluff-top observation point. The fence will run along the trail's edge closest to the bluff and will be offset from the bluff edge by quite a distance (15-20± feet) except where the trail approaches private property where it is nearest the bluff edge to within a few yards.

As mentioned in comment item No. 4, the project is located adjacent to sensitive habitats. The project site has been surveyed by Department wildlife biologists who have determined that the proposed location is far enough away from that habitat so that construction activities, as proposed, will not adversely impact the Reserve's ecological resources.

The fence construction will commence after the permit is issued and should be completed within the following 12 months. Work will usually be done on weekends to facilitate existing volunteer programs at Bolsa Chica. Small work groups will be used, and construction activities will not interfere with public access nor with the recreational uses of the area. It's anticipated that the construction project will provide an additional public activity.

To avoid possible soil compaction and public access concerns, the Department will limit the use of vehicles or large equipment for this project. The fence will be built by hand using various hand tools (shovels, post-hole diggers, etc.), and materials will be transported by hand to the construction site. Soil will only be disturbed during the digging of holes for the placement of fence posts, a surface area of approximately 1.5 square feet. A post will be placed in this hole, and the soil will be placed back in the hole around the post and tamped down.

Soil erosion is not anticipated due to the extremely small area of exposed soils which will be tamped down and occur on nearly level land. Although vegetation will be disturbed, these are invasive, non-native species which are deleterious to the ecological resources on the site. The site will be monitored and the natural establishment of natives will be aided by continuing to remove invasive, non-native species.

Mr. Stephen Rynas March 27, 1998 Page Three

The aforementioned details also apply to comment item No. 5. as the amount of the bare soil exposed by this project will be minimal. Additional erosion protection is anticipated as the disturbed area is recolonized by native species.

If you have any questions or require additional information, please contact Mr. Erick Burres, Wildlife Biologist, at (562) 590–4810.

John W. Anderson Senior Biologist

#### **Attachments**

cc: Mr. Erick Burres

Department of Fish and Game Long Beach, California

Mr. Tim Dillingham Department of Fish and Game San Diego, California