

CALIFORNIA COASTAL COMMISSION

CENTRAL COAST DISTRICT OFFICE
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Th13a

Note: Exhibit #18 is the transcription report from the 10/14/04 hearing.

Previous Commission Actions & Dates:
Project Approved with Conditions: 10/14/04

Revised Findings:
Revised Findings Staff Report Prepared: 12/16/04
Revised Findings Hearing Date: 1/13/05
Staff: SC

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REVISED FINDINGS FOR COASTAL DEVELOPMENT PERMIT APPLICATION

- Application number**3-02-024, Ocean Harbor House Seawall
- Applicant**.....Ocean Harbor House Homeowners' Association
- Project location**.....Seaward of the oceanfront condominiums (172 units) at Ocean Harbor House, 125 Surf Way, Monterey (Monterey County)
- Project description**Underpinning of seaward spread foundations with reinforced concrete piers; Removal of existing riprap revetment; Relocation of existing sewer line; Construction of an approximately 585-foot-long reinforced concrete vertical seawall; Relocation of storm water pipes and dissipaters.
- Local approval**.....City Council Approval, including Statement of Overriding Considerations, January 6, 2004.
- File documents**.....Ocean Harbor House Seawall Environmental Impact Report (Pacific Municipal Consultants, June 2003); Report on Repair/Mitigation Alternatives to Address the Bluff Retreat Erosion Problems with the Monterey Ocean Harbor House Development (O'Connor & Flick, March 27, 2002); Coastal Processes, Monterey Ocean Harbor House (Flick, January 12, 2001); Ocean Harbor House Seawall Project EIR Professional Opinion Report and Addendum (Griggs, March 2003 & May 2003); Preliminary Planting Plan & Biological Assessment, Ocean Harbor House, and Addendum (Hameister, April 30, 2002 & June 2003); Extension of 180-Day Permit Streamlining Act Deadline, dated July 7, 2004
- Commission Action**Approval with Conditions (October 14, 2004)
- Commissioners on Prevailing Side:** Caldwell, Iseman, Kruer, Nava, Neely, Peters, Potter, Burke
- Staff recommendation** ...Adopt Revised Findings

Staff Note: The Commission made changes to Special Condition #4 after the public hearing at the October 14, 2004 meeting in San Diego (please see Exhibit #18 for the transcription report from the October 14, 2004 hearing). Specifically, the Commission determined that the mitigation fee should be



**California Coastal Commission
January 2005 Meeting in Long Beach**

Staff: S. Craig Approved by: C.T.K. 12/16/04

based on the economic beach valuation method described in the staff report, rather than the real estate valuation method. The Commission delegated the method of payment of the mitigation fee (e.g. amortized or paid upfront) to Staff. Staff has made substantive changes to the Summary, Special Condition #4 (regarding the amount of the required mitigation fee), and Section III(C)(2)(d) (Public Access and Recreation Conclusion) in this revised staff report to reflect the Commission's changes. Staff anticipates that the required mitigation fee will be paid in the form of five equal installments over a five year period of the present value of the 50 year cumulative \$5.3 million, with the first installment due prior to commencement of construction activities. As summarized in Exhibit 17, Staff is anticipating using a discount rate of 3%, which results in a present value of \$2,150,054, or \$430,011 a year for five years. In addition, the Commission approved an addendum to the staff report presented at the October 14, 2004 hearing. This addendum has been incorporated into this staff report.

Summary: The Applicant proposes to construct an approximately 585-foot-long reinforced concrete vertical seawall to protect the Ocean Harbor House (OHH) condominium complex (172 units on Del Monte Beach in the City of Monterey) from shoreline erosion. In addition to other typical impacts of shoreline protective devices (e.g. sand supply loss, visual impacts), development of the proposed seawall will, over time, result in the loss of approximately one acre of sandy recreational beach located seaward of the condominium complex, including 435 linear feet of lateral beach access and all existing recreational use (sunbathing, beachcombing, surf fishing, etc.). Although the project includes a proposal to provide inland lateral public access through the condominium complex's parking lot (behind beach-fronting units) to connect the adjacent State and City beaches once beach lateral access is no longer available, the applicants have not proposed any specific measures that would provide reasonable and proportional mitigation for the anticipated one acre loss of the public recreational beach land. In part due to this significant and unmitigated impact, the project EIR concluded that relocation of the OHH units at risk was the least environmentally damaging alternative. Nonetheless, staff is not recommending relocation or other project alternatives, but is recommending that the Commission approve the seawall project with special conditions, including a requirement for the applicants to pay an in-lieu fee for acquisition of shorefront public recreational land in the vicinity of OHH.

OHH has made numerous attempts to deal with shoreline erosion threats since the completion of its construction on the foredune backing the City of Monterey Beach in the early 1970s. In the early 1980s, OHH installed a rock revetment on City of Monterey Beach property that was subsequently removed. In 1992, the Commission approved a permit to allow conversion of the specific land use at the site from the pre-Coastal Act OHH apartments to individually owned condominiums, and to retrofit the OHH with large concrete caissons designed to protect the development from shoreline erosion forces. This permit, though, was never fully implemented, thus continuing to leave OHH vulnerable to long-term shoreline erosion. In 1998, OHH again installed a rock revetment as an emergency response to wave attack. Initially through its permit actions, the Commission allowed this temporary revetment to remain in place while OHH pursued a long-term solution; however, since May of 2003, OHH has been under a Commission consent cease-and-desist order that establishes a process for removal of the revetment. The proposed vertical seawall is the outcome of this process.



As mentioned, the project EIR concludes that relocation of the most seaward condominium units would be the least environmentally damaging alternative. Nonetheless, the Commission finds that there are no feasible alternatives to protect the existing threatened condominium buildings at this location that would avoid some form of shoreline armoring that would also be consistent with the Coastal Act. In addition, there are no feasible mitigation options to actually maintain or create a new recreational beach in front of the OHH, and no specific new potential public recreational land in the vicinity of the project has been identified by the Applicant to mitigate the loss anticipated at the site. Without mitigation for this impact, though, the project cannot be found consistent with the Coastal Act requirement to protect maximum public access and recreation to and along the shoreline. Therefore, the Commission is requiring that the applicant pay an in-lieu fee to the Monterey Peninsula Regional Parks District for acquisition of shorefront land in the vicinity of OHH, to be used for public recreation. There is no doubt that recreational beach resources in Monterey generally have a tremendous market and non-market social value. To address the specific value of the recreational beach land loss due to the project, staff has considered three different methods to estimate at least some of the quantifiable aspects of public recreational beach land value at this location. This includes consideration of the real estate market value of an acre of beach in the vicinity of OHH, the cost of supplying an amount of beach sand roughly equivalent to the beach area lost due to the project, and an economic valuation based on the estimated recreational value of the beach to individual consumers. The Commission is imposing a mitigation fee of \$5.3 million based on the economic valuation of the estimated recreational value of the beach because the primary impact of the project will be the loss of all public recreation activities and access on approximately one acre of beach located seaward of Ocean Harbor House. Overall, though, this fee must be considered only partial mitigation for the impacts of the proposed project, since no measure can prevent the loss of the existing recreational beach currently fronting OHH. In addition, while application of the fee is intended to result in the acquisition of new public recreational land, given the contingencies of the real estate market and available land in the vicinity of the project, future acquisition of sandy beach area between the surf zone and the foredune, which is the type of land being lost due to the seawall, cannot be guaranteed. Further still, the various components used to determine the economic valuation for the long-term recreational value of the beach to the public are conservative, suggesting that the recommended fee may underestimate the true economic value of the beach seaward of Ocean Harbor House. Still, with the required mitigation fee, the Commission can find that the project is consistent with the Coastal Act.

Finally, the Commission is also requiring conditions similar to those applied by the Commission in prior cases that are designed to offset coastal resource impacts while providing for long-term permitted maintenance of the seawall. This includes provisions for: maintenance to take place on an as-needed basis (subject to approval of future coastal development permits, if necessary); visual treatment to match the color and texture of the seawall with the adjacent dunes; landscaping with native plantings designed to cascade over the topmost portion of the seawall for screening; restrictions on construction activities during the snowy plover's nesting season, unless approvals are obtained from U.S. Fish & Wildlife Service, California Department of Fish & Game, and State Parks; submission of a public access management plan; submission of a construction plan to protect water quality and public access during construction; consultation with Monterey Bay National Marine Sanctuary staff and State Parks staff regarding the need for additional permits, and; assumption of risk by the property owner.



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I. Staff Recommendation on Revised Findings

Staff recommends that the Commission adopt the following revised findings in support of its October 14, 2004 approval of a coastal development permit for the proposed Ocean Harbor House seawall project.

STAFF RECOMMENDATION OF ADOPTION:

Staff recommends a YES vote. Passage of this motion will result in adoption of the following resolution and revised findings as set forth in this report. Pursuant to Section 30315.5 of the Coastal Act, the motion requires a majority vote of the members from the prevailing side present at the October 14, 2004 hearing, with at least three of the prevailing members voting. **Commissioners eligible to vote on the revised findings are Commissioners Caldwell, Iseman, Kruer, Nava, Neely, Peters, Potter, and Burke.** If the motion fails, the revised findings are postponed to a later meeting.

RESOLUTION:

The Commission hereby adopts the findings and conditions set forth below for approval of a coastal development permit for the proposed Ocean Harbor House seawall project on the grounds that the findings support the Commission's decision made on October 14, 2004 and accurately reflect the reasons for that decision.

II. Conditions of Approval

A. Standard Conditions

- 1. Notice of Receipt and Acknowledgment.** The permit is not valid and development 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 development has not commenced, the permit will expire two years from the date on which the Commission voted on the application. Development 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. Interpretation.** Any questions of intent or interpretation of any condition will be resolved by the Executive Director or the Commission.



4. **Assignment.** 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.
5. **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.

B.Special Conditions

1. **Existing Development.** The approved seawall is for the protection of the existing Ocean Harbor House condominium structures, in their configuration and scale (height, square footage, mass, etc.) as of the date of the approval of Coastal Development Permit 3-02-024 only. These structures may be maintained and/or repaired provided that such repair and maintenance does not increase the extent of nonconformity of the structures. Development that results in demolition and/or replacement of more than 50% of the exterior walls of the structures (as individual or cumulative additions) shall not be permitted unless the structures comply with the setback requirements of this condition. New development at the Ocean Harbor House condominiums that is not otherwise exempt from coastal development permit requirements shall be set back sufficiently as to not rely on the approved seawall, and to prevent the need for any future protective structure during the expected life of the development, but in no case less than a setback equivalent to a 100-year coastal erosion line based on shoreline retreat rates of unarmored sections of coast in the immediate vicinity of the project. Development also shall be set back a sufficient distance landward and elevated to a sufficient foundation height to eliminate or minimize to the maximum extent feasible hazards associated with anticipated sea level rise over the life of the project. Applicants for such new development are required to accept a deed restriction to waive all rights to protective devices associated with development on coastal dunes.
2. **Assumption of Risk, Waiver of Liability, and Indemnity Agreement.** The Permittee acknowledges and agrees, on behalf of itself and all successors and assigns: (i) that the site is subject to hazards from coastal erosion and scour, wave and storm events, dune and other geologic instability, and the interaction of same; (ii) to assume the risks to the Permittee and the property that is the subject of this permit of injury and damage from such hazards in connection with this permitted development; (iii) to unconditionally waive any claim of damage or liability against the Commission, its officers, agents, and employees for injury or damage from such hazards; (iv) to indemnify and hold harmless the Commission, its officers, agents, and employees with respect to the Commission's approval of the project against any and all liability, claims, demands, damages, costs (including costs and fees incurred in defense of such claims), expenses, and amounts paid in settlement arising from any injury or damage due to such hazards; and (v) that any adverse effects to property caused by the permitted project shall be fully the responsibility of the landowner.
3. **Public Access Management Plan.** **PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT**, the Permittee shall submit to the Executive Director for review and approval a public access management plan that provides for delineation, construction, and



management of a public accessway from the adjacent City beach/park through the Ocean Harbor House parking lot to the State Beach, as shown on Exhibit 8. This public access shall be open to the public no later than that date upon which seawall construction is completed, and shall be open 365 days a year from 6 a.m. until 10 p.m., at a minimum, for the life of the seawall project (50 years) or as long as private residential development remains on the Ocean Harbor House condominium complex site. In addition, the Applicant will consult with State Parks regarding the construction of an access trail from the eastern portion of the parking lot to the beach (see Exhibit 8). If this portion of the access encroaches onto State Parks property, the Applicant shall submit evidence of a permit obtained from State Parks to construct the trail on State Parks property. The Applicant shall be responsible for maintenance of all portions of this public access, including any portion of the trail that may be on State Parks property. The public access management plan also shall include a signage plan that describes the location of public access signs that direct the public to and through the parking lot access, the dimensions and design of the signs, and the proposed text clearly stating the availability and hours of public lateral access through the parking lot. The management plan shall provide that all sandy beach areas seaward of the seawall shall be available to the public 365 days a year. No trespassing signs and other structural development seaward of the seawall is prohibited. Interpretive/educational signing concerning the history and impact of the seawall project and the Ocean House Harbor House development on the beach environment shall be provided at both ends of the public accessway near the beach.

4. **Mitigation Fee. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES**, the Permittee shall, in accordance with the fee schedule approved by the Executive Director, begin payment of a fee of \$5,300,000.00 into an interest-bearing account held by the Monterey Peninsula Regional Parks District (MPRPD), the purpose of which is to purchase beachfront/dune property for public recreational use in the southern Monterey Bay area. The entire fee and any accrued interest shall be used for the above-stated purpose, in consultation with the Executive Director, within ten years of the fee being deposited into the MRPD account. Any portion of the fee that remains after ten years shall be donated to one or more of the State Parks located along southern Monterey Bay (Fort Ord State Park, Marina State Beach, Seaside State Beach, or Monterey State Beach), or other organization acceptable to the Executive Director, for the purpose of providing public access and recreation improvements to and along the shoreline, including improvements to the California Coastal Trail.
5. **Construction Plan. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT**, the Permittee shall submit a Construction Plan to the Executive Director for review and approval. The Construction Plan shall include, at a minimum, the following:
 - (a) **Construction Areas.** The Construction Plan shall identify the specific location of all construction areas, all staging areas, all storage areas, all construction access corridors (to the construction sites and staging areas), and all public pedestrian access corridors in site plan view. All such areas within which construction activities and/or staging are to take place shall be minimized to the maximum extent feasible in order to minimize construction encroachment on



both the beach and beach access points, and to have the least impact on public access.

(b) **Construction Methods and Timing.** The Construction Plan shall specify all construction methods to be used, including all methods to be used to keep the construction areas separated from beach recreational use areas. All erosion control/water quality best management practices to be implemented during construction and their location shall be noted.

(c) **Construction Criteria.** The Construction Plan shall, at a minimum, include the following required criteria specified via written notes on the Plan:

- All work shall take place during daylight hours and lighting of the beach area is prohibited unless, due to extenuating circumstances, the Executive Director authorizes non-daylight work and/or beach area lighting.
- Construction work or equipment operations shall not be conducted below the mean high water line unless tidal waters have receded from the authorized work areas.
- Any construction materials and equipment shall be delivered to the beach area by rubber-tired construction vehicles. When transiting on the beach, all such vehicles shall remain as high on the upper beach as possible and avoid contact with ocean waters.
- All construction materials and equipment placed on the beach during daylight construction hours shall be stored beyond the reach of tidal waters. All construction materials and equipment shall be removed in their entirety from the beach area by sunset each day that work occurs. The only exceptions shall be for erosion and sediment controls.
- Construction (including construction activities, materials, and/or equipment storage) is prohibited outside of the defined construction, staging, and storage areas.
- No work shall occur on the beach during weekends unless, due to extenuating circumstances, the Executive Director authorizes such work.
- Equipment washing, refueling, and/or servicing shall not take place on the beach.
- The construction site shall maintain good construction site housekeeping controls and procedures (e.g., clean up all leaks, drips, and other spills immediately; keep materials covered and out of the rain (including covering exposed piles of soil and wastes); dispose of all wastes properly, place trash receptacles on site for that purpose, and cover open trash receptacles during wet weather; remove all construction debris from the beach).
- All erosion and sediment controls shall be in place prior to the commencement of construction as well as at the end of each workday. At a minimum, silt fences, or equivalent apparatus, shall be installed at the perimeter of the construction site to prevent construction-related runoff and/or sediment from entering into the Pacific Ocean.



All requirements of the condition above shall be enforceable components of this coastal development permit. The Permittee shall undertake construction in accordance with the approved Construction Plan. Any proposed changes to the approved Construction Plan shall be reported to the Executive Director. No changes to the approved Construction Plan shall occur without a Commission amendment to this coastal development permit unless the Executive Director determines that no amendment is necessary.

6. **Beach Restoration. WITHIN THREE (3) DAYS OF COMPLETION OF CONSTRUCTION**, the Permittee shall restore all beach areas and all beach access points impacted by construction activities, to their pre-construction condition. Any beach sand impacted shall be filtered as necessary to remove all construction debris from the beach.
7. **Seawall Facing.** The seawall shall be faced with a sculpted concrete surface that mimics, to the greatest extent feasible, the color and texture of the Del Monte Beach sand dunes. The surfacing shall completely hide the vertical pier elements of buildings 1 through 4. The color, configuration, and texture of the seawall surface shall be maintained throughout the life of the structure.
8. **Seawall Facing Verification. PRIOR TO SURFACING THE SEAWALL**, the Permittee shall arrange to have a small test section of the seawall faced consistent with the seawall surfacing component as described in Special Condition #7. The small test section shall be located at the end of the seawall (to allow direct comparison between the natural sand and the seawall) and shall include at least one pier element. After the small test section has been faced and allowed to cure to its final expected color, configuration, and texture, the Permittee shall notify Commission planning staff to arrange for a site visit to verify that the seawall facing approximates the approved expected finished facing product as described in Special Condition #7. At the Executive Director's discretion, the Permittee may submit photos of the test section to Commission planning staff in lieu of the site visit. If Commission planning staff should identify additional reasonable measures necessary to modify the facing in order to achieve consistency with the approved expected finished facing product and design objectives identified Special Condition #7, then such measures shall be applied to the test section or a new test section. In such a case, after the small test section (or a new test section subject to the same criteria) has been faced and allowed to cure to its final expected color, configuration, and texture, the Permittee shall again notify Commission planning staff to review the new or re-faced test section. The Permittee shall arrange for as many iterations of the facing and review process as necessary to achieve consistency with the objective in Special Condition #7. The seawall shall not be completely faced until planning staff of the Coastal Commission's Central Coast District Office has indicated in writing to the Permittee that the test section is consistent with the approved expected finished facing product and design objectives identified Special Condition #7. After the Permittee has received written verification that the test section is in conformance, the Permittee shall face the remainder of the seawall consistent with the approved test section facing.
9. **Landscaping Plan. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT**, the Permittee shall submit to the Executive Director for review and approval a landscaping plan that shows planter boxes incorporated into the top of the seawall. The



landscaping plan shall include a list of native, coastal-tolerant, cascading plants that will be planted in these planter boxes to provide some visual screening of the seawall. All plantings shall be kept in good growing condition and replaced as necessary to maintain some visual screening of the wall over the life of the project.

10. **Seawall Maintenance.** It is the Permittee's responsibility to maintain the as-built seawall in a structurally sound manner and in its approved state. This includes maintenance of all visual treatments. The approval of coastal development permit 3-02-024 does not obviate the need to apply for future permits for any future maintenance and/or repair episodes. The Permittee agrees to apply for a coastal development permit, and any and all other permits required, for any proposed future maintenance and/or repair episodes.
11. **Dune Restoration. PRIOR TO THE ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT,** the Applicant shall submit to the Executive Director for review and approval a native dune restoration/landscaping plan for all vegetated areas impacted by construction of the seawall (these areas are generally identified on Exhibit 6, pp. 23, 24, 31). The landscaping plan shall include native dune plants that integrate with the existing vegetation on the adjacent City of Monterey and California State Parks properties, and that improve dune habitat and provide dune stabilization. The plan shall include a monitoring/maintenance component. All native plants shall be kept in good growing condition and replaced as necessary for the life of the project.
12. **Snowy Plover.** Construction activities on areas adjacent to the California State Parks properties will commence after September 15th and all activities shall be completed before March 1st to avoid disrupting any potential snowy plover nesting sites, unless the Permittee obtains approvals from U.S. Fish & Wildlife Service, California Department of Fish & Game, and State Parks that construction may take place between March 1st and September 15th.
13. **Black Legless Lizard. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AND ON A DAILY BASIS PRIOR TO THE COMPLETION OF GRADING,** a qualified biologist with the appropriate permit from CDFG shall conduct a survey for the black legless lizard in the construction area using raking, coverboards, or other biologically acceptable methods. Surveys should be done in the mornings and evenings, when black legless lizards are most likely to be found. If found, the lizards should be captured and immediately placed into containers with moist paper towels, and released in similar habitat on undisturbed portions of the site at the same depth in the soil as when found. Evidence of compliance with this condition shall be prepared by the qualified biologist and submitted for confirmation by the Executive Director **PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND AT THE CONCLUSION OF GRADING ACTIVITIES.**
14. **State Parks. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION,** the Permittee shall submit to the Executive Director evidence that the Permittee has received a "right-of-entry" permit from State Parks that allows the Permittee to encroach upon portions of State Parks property as needed for construction activities and riprap removal.



15. **Conformance with Monterey Bay National Marine Sanctuary Requirements. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT**, the Permittee shall submit to the Executive Director for review a copy of the Monterey Bay National Marine Sanctuary (MBNMS) permit, letter of permission, or evidence that no MBNMS permit is necessary.
16. **Deed Restriction. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT**, the Permittee shall submit to the Executive Director for review and approval documentation demonstrating that the Permittee has executed and recorded against the parcel governed by this permit a deed restriction, in a form and content acceptable to the Executive Director: (1) indicating that, pursuant to this permit, the California Coastal Commission has authorized development on the subject property, subject to terms and conditions that restrict the use and enjoyment of that property; and (2) imposing the special conditions of this permit as covenants, conditions and restrictions on the use and enjoyment of the property. The deed restriction shall include a legal description and site plan of the entire parcel or parcels governed by this permit. The deed restriction shall also indicate that, in the event of an extinguishment or termination of the deed restriction for any reason, the terms and conditions of this permit shall continue to restrict the use and enjoyment of the subject property so long as either this permit or the development it authorizes, or any part, modification, or amendment thereof, remains in existence on or with respect to the subject property.

III. Recommended Findings and Declarations

The Commission finds and declares as follows:

A. Project Location, Background, & Description

1. Project Location

The Ocean Harbor House condominium complex is located at the seaward edge of a dune field on Surf Way in the City of Monterey, directly fronting Monterey Bay and Del Monte Beach (see Exhibits 1 and 2). The Ocean Harbor House development consists of 172 condominium units within 14 two-story buildings, with 88 of the condominium units located seaward of Tide Avenue; the remaining 84 units are located adjacent to or inland of Tide Avenue (all other residential development in the Del Monte Beach area is located inland of Tide Avenue.) The condominium complex is bordered on the east by State Park lands, on the north by City of Monterey beach property, and on the west by City parklands. A rock riprap revetment, which extends onto City of Monterey property, is located seaward of the four oceanfront buildings of the condominium complex (see Exhibit 3).



2. Project Background

The initial 88 units of the Ocean Harbor House complex were constructed on the dunes in 1968, with an additional 84 units added in 1974 (pre-Coastal Act approval). The land use at the site was initially private apartments. In 1992, the Commission granted a CDP (3-92-028) to change this specific residential land use by converting the apartment complex to individually owned condominiums. This CDP also allowed for the replacement of the existing shallow foundation pilings under Ocean Harbor House with caissons to depths that would provide structural stability and some protection from future coastal erosion (only a few of the 52 pilings approved for replacement were actually replaced, however). The findings for CDP 3-92-028 conclude that the project as conditioned was consistent with Coastal Act section 30253, which requires that new development assure stability and structural integrity or otherwise require the construction of protective devices that would substantially alter natural land forms along bluffs. The findings also noted that the Ocean Harbor House site is subject to encroaching erosion and wave damage that could significantly impact the site and threaten the development, especially during major storms. Thus, the permit was conditioned to require that potential buyers of the new condominium units be informed about the potential hazards and relieve the State of claims of future liability. Buyers are informed of the hazards in Article VXi, Section 16.15 of the Ocean Harbor House Covenants, Conditions and Restrictions (see Exhibit 12).

Ocean Harbor House was first seriously threatened by the large El Niño storm event of 1982-83. A variety of temporary winter protection measures were used in the 1980s, including a riprap revetment consisting of 3,800 tons of rock. Ultimately that riprap revetment was removed and the front condominium units were re-supported by reinforced concrete piers connected by grade beams. Four of these deep piers were used to support each of the four seaward units. The remaining structures are supported by shallow spread footings, which would be susceptible to failure with continued dune retreat (see Exhibit 4).

In December of 1998, the Commission granted Ocean Harbor House an emergency permit (3-98-116-G) to protect a portion of the condominium development and an associated sewer line from shoreline erosion by installing a temporary riprap seawall. As a condition of this permit, the wall was to be removed in its entirety by May 23, 1999, unless the Commission had issued a regular permit for the development authorized by the emergency permit. In 2000, Ocean Harbor House obtained a new CDP (3-99-090) to include retention of the riprap structure past the May 1999 date, along with construction of a sand berm. The conditions on CDP 3-99-090 required the Permittee to submit a complete CDP application for the proposed permanent solution no later than April 1, 2001 (throughout the history of Ocean Harbor House, Commission staff has been urging the owners to develop a long-term response to the natural erosion/coastal hazard threats that would preclude the need for emergency permits and avoid or minimize impacts to coastal resources). In addition, CDP 3-99-090 required that sand berming activities would cease and the riprap would be completely removed by November 1, 2001. The Commission approved a one-year extension of this CDP in December 2001 (CDP 3-99-090-A1), giving the Permittee until April 2002 to submit a CDP for a long-term solution and until November 2002 to remove the riprap. This amendment also required the Permittee to submit a detailed description of the proposed response, as well as a comparative analysis of the full range of alternatives considered in the selection of the long-term solution. The Permittee did not obtain Commission approval to retain the



temporary riprap structure by November 1, 2002 and thus was in violation of the Coastal Act. Ocean Harbor House, however, asserted that it had not violated the Coastal Act because it had complied with every requirement imposed upon it but that additional time extensions were required due to the City of Monterey's reevaluation of the potential environmental impacts of the proposed seawall project and alternatives.

In March 2003, Commission staff and Ocean Harbor House's agent agreed to recommend that Ocean Harbor House enter into a consent cease-and-desist order, providing that the order allowed adequate time for the completion of the EIR process and did not require Ocean Harbor House to remove the temporary riprap structure during the winter season. In May 2003, the Commission approved Consent Cease & Desist Order No. CCC-03-CD-4, which requires a process for eventual removal of the riprap revetment.

The EIR found that the proposed seawall project would have significant unavoidable impacts on aesthetics/visual resources in the Del Monte Beach area for two reasons: 1) Development of the proposed seawall would cause the formation of a peninsula, with eventual loss of the entire beach along the Ocean Harbor House seaward frontage, and; 2) The cumulative impacts of the proposed project and the nearby Monterey Beach Hotel (which is also located on Del Monte Beach) would fragment the continuity of the shoreline. The EIR determined that there are no feasible mitigation measures for these impacts that can reduce the impacts to a level of insignificance, although other project alternatives that did not involve a shoreline structure could avoid this impact (see section III.C.1a below for a discussion of these alternatives). In particular, the EIR concluded that relocation of the shorefront condominium units at immediate risk from shoreline hazards was the environmentally superior alternative. Nonetheless, the City of Monterey approved the seawall project, without mitigation for the loss of public beach in front of the OHH, and adopted a Statement of Overriding Considerations (see Exhibit 5).

3. Project Description

The proposed project involves construction of an approximately 585-foot long seawall along the oceanfront condominiums at the Ocean Harbor House (see Exhibit 6 for project plans). The seawall will be constructed on Ocean Harbor House property and will not extend onto City beach property. As shown by the applicant's geotechnical analysis, though, over time the mean high tide will eventually overtake the OHH property such that the front row of units will lie at least in part below the mean high tide.

The intention of the seawall is to prevent further erosion and undermining of the dune area that protects the shallow spread footing portions of the seaward buildings' foundations and the common areas between the buildings. The seawall would be constructed of reinforced concrete with engineered wave returns that would also function as foundation enhancement and stabilization for buildings #1 through #4, which are the seaward-most buildings. A sheet-pile wall capped with a concrete wave return would be installed in the common areas between the buildings. To eliminate the need for a permanent encroachment on City of Monterey property, the first seaward foundation line will be shored with underpinning piers and sheet-pile return "wing" walls will be installed at the eastern and western ends of the development. The "wing" walls will extend inland 59 feet and 56 feet at the east and west ends of



the Ocean Harbor House development, respectively (see Exhibit 6, pp. 22-24). The shoring piers for the first seaward spread footing and entry deck footing will be deep enough to prevent subsidence of this footing. This will be accomplished by excavating out the bluff area from underneath the footprint of the building area to install the concrete seawall structure within the property boundary of the Ocean Harbor House development.

The proposed project would be completed in six phases – see Exhibit 7 for a complete description of each phase. Phase I will involve underpinning the most seaward spread foundation of buildings #1 through #4 with 32 hand-dug reinforced-concrete piers, and reinforcing the most seaward entry deck bridge foundation of the four buildings with eight helical anchors (see Exhibit 6, pp. 10-14).

Phase II will involve removal of the protective sand berm and temporary rock riprap that is located seaward of buildings #1 through #4 (see Exhibit 6, pp. 17-21). The sand from the berm will be spread out across the width of the beach area; the riprap will be removed and hauled away by truck from the site.

Phase III will relocate the existing sewer line beyond the 100-year erosion line on the landward side of the proposed seawall (see Exhibit 6, pp. 15-16). This will require relocating portions of the sewer line where the seawall angles back into the common areas between buildings #1 and #2 and buildings #3 and #4. The sewer lateral to the City manhole at the west end of the development will be removed and disposed of off site. A new sump will be installed with an automatic pump to discharge the sewage effluent into the City sewer manhole located on Tide Avenue.

Phase IV includes installation of a curvilinear seawall along the seaward portion of the Ocean Harbor House development, except for the east return wall by State Park lands (see Exhibit 6, pp. 22-27). Under the seaward end of the buildings and the return ends of buildings #1 and #4, the seawall will be a pier-supported, tied-back, reinforced concrete retaining wall. Within the common areas and at the end of the development, the seawall will be a tied-back sheet-pile retaining wall.

Phase V includes relocation of the existing storm drain lines to discharge into the City drain line off Surf Way (see Exhibit 6, pp. 15-16).

Phase VI includes installation of a tied-back sheet pile retaining wall at the eastern end of the development, adjacent to State Park lands (see Exhibit 6, pp. 22, 24).

The development of the seawall will ultimately lead to the loss of approximately one acre of public recreational beach land, including 435 linear feet of lateral beach access, in front of the condominium complex (see complete discussion in Natural Hazards and Public Access sections below). The City and the Applicant originally considered an elevated public walkway along the public frontage of the condominium complex as a possible option for preserving lateral access. Such a walkway, however, would extend over public City property (which the City opposes) and would require closure during storm periods. In addition, the walkway would be subject to potentially dangerous uplift forces during high wave action. Thus, this idea was rejected. Alternative year-round safe public access is proposed beginning at the adjacent City park, traversing the Ocean Harbor House parking lot, and ending up at the



adjacent State Park property (see Exhibit 8). No mitigation measure was proposed by the applicant or adopted by the City to offset the anticipated long-term loss of one acre of recreational beach land.

According to the project engineer, the anticipated project life of the seawall is 50 years. The actual project life of the seawall, however, could be less than or more than 50 years depending on a number of factors, including the number and frequency of major storm events that occur after the wall is built. In any event, the proposed seawall will require regular repair and maintenance activities throughout the life of the project.

B. Standard of Review

This area of the City of Monterey falls within the coastal zone. The Del Monte Beach Land Use Plan (LUP) was effectively certified in 2003. However, several other components of the Local Coastal Program (LCP) (including one land use segment and the implementation plan) are not yet certified; thus, the City does not have a fully certified LCP. Therefore, the LUP at this stage of the certification process is advisory only and the standard of review for the project is the Coastal Act.

C. Coastal Development Permit Determination

1. Natural Hazards

Coastal Act Section 30235 addresses the use of shoreline protective devices:

Section 30235. Revetments, breakwaters, groins, harbor channels, seawalls, cliff retaining walls, and other such construction that alters natural shoreline processes shall be permitted when required to serve coastal-dependent uses or to protect existing structures or public beaches in danger from erosion, and when designed to eliminate or mitigate adverse impacts on local shoreline sand supply. Existing marine structures causing water stagnation contributing to pollution problems and fish kills should be phased out or upgraded where feasible.

Coastal Act Section 30253 addresses the need to ensure long-term structural integrity, minimize future risk, and avoid additional, more substantial protective measures in the future. Section 30253 provides, in applicable part:

Section 30253. 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.*

Del Monte Beach LUP Natural Hazards Policies 1, 4, 5, 6, & 7 state:

- 1. New development shall be constructed in a manner that will minimize risks to life and*



property from geologic, flood, and fire hazards; such development shall be sited and designed to not require a shoreline protection structure during the life of the development. Applicants for new development are required to accept a deed restriction to waive all rights to protective devices associated with development on coastal dunes.

4. For bayfront properties, site specific geotechnical studies submitted as part of the application, shall be conducted to determine storm wave reach and tsunami runup and to ensure accurate determination of coastal erosion rates. Such studies shall reflect current known factors attributable to erosion, the recent cessation of sand mining in upcoast Sand City, and other current known technical factors used in the science of coastal erosion. Wave runup shall be analyzed for an eroded shoreline, combined with a 100-year storm event. Tsunami runup may be analyzed on an average beach profile, with consideration for, at a minimum, the 100-year event.

5. No development shall be allowed which would increase the rate at which erosion is occurring. Development located in or adjacent to coastal dunes shall be sited and constructed in a manner that minimizes disturbance to the foredunes and to dune vegetation, and shall include an analysis of wind direction and orientation of proposed development to avoid adverse wind impacts to the dune system.

6. Existing, lawfully established structures, which do not conform to the provisions of the LCP, may be maintained and/or repaired provided that such repair and maintenance do not increase the extent of nonconformity of the structure. Additions and improvements to such structures may be permitted provided that such additions or improvements comply with the current standards and policies of the LCP and do not increase the extent of nonconformity of the structure. Substantial additions, demolition and reconstruction, that result in demolition and/or replacement of more than 50% of the exterior walls (as individual or cumulative additions) shall not be permitted unless such structures are brought into conformance with the policies and standards of the LCP.

7. Siting and design of new shoreline development and shoreline protective devices shall take into account anticipated future changes in sea level. In particular, an acceleration of the historic rate of sea level rise shall be considered. Development shall be set back a sufficient distance landward and elevated to a sufficient foundation height to eliminate or minimize to the maximum extent feasible hazards associated with anticipated sea level rise over the expected 100-year economic life of the structure. No new lots shall be created within areas of high water hazard.

In addition, Del Monte Beach LUP Natural Hazards Policy 10 specifically applies to the sewer line at Ocean Harbor House, and states:

10. The sewer line serving the Ocean Harbor House condominiums shall be relocated landward beyond the 100-year erosion line.



Del Monte Beach LUP Diking, Dredging, Filling and Shoreline Structures Policy 4 requires specific setbacks for new development, and states:

4. New development and facilities shall be located with a shoreline setback sufficient to prevent the need for protective structures during the expected life of the development, but not less than a setback to the 100-year coastal erosion line, as determined by qualified professionals using the most current methods and information.

Coastal Act Section 30235 acknowledges that seawalls, revetments, retaining walls, groins and other such structural or "hard" methods designed to forestall erosion also alter natural shoreline processes. Accordingly, with the exception of new coastal-dependent uses, Section 30235 limits the construction of shoreline protective works to those required to protect existing structures or public beaches in danger from erosion. The Coastal Act provides these limitations because shoreline structures have a variety of negative impacts on coastal resources including adverse affects on sand supply, public access, coastal views, natural landforms, and overall shoreline beach dynamics on and off site.

The proposed project includes underpinning of the most seaward spread foundation of buildings #1 through #4, the removal of the existing riprap revetment, relocation of the sewer line to beyond the 100-year erosion line, installation of an approximately 585-foot seawall, and relocation of the storm drain lines to discharge into the City drain line off of Surf Way (see Exhibit 7 for a complete description of all phases of the proposed project).

Under Coastal Act Section 30235, new armoring may be approved if: (1) there is an existing structure in danger from erosion; (2) shoreline-altering construction is required to protect the existing threatened structure; and (3) the required protection is designed to eliminate or mitigate the adverse impacts on shoreline sand supply.

For the purposes of shoreline protective structures, the Coastal Act distinguishes between development that is allowed shoreline armoring, and development that is not. Under Section 30253, new development is to be designed, sited, and built to allow the natural process of erosion to occur without creating a need for a shoreline protective device. Coastal Act 30235 allows for shoreline protection in certain circumstances (if warranted and otherwise consistent with Coastal Act policies) for "existing" structures. One class of "existing structures" refers to those structures in place prior to the effective date of the Coastal Act. Coastal zone development approved and constructed prior to the Coastal Act went into effect was not subject to Section 30253 requirements. Although some local hazard policies may have been in effect prior to the Coastal Act, these pre-Coastal Act structures have not necessarily been built in such a way as to avoid the future need for shoreline protection (in contrast to those evaluated pursuant to Section 30253). Such is the case with Ocean Harbor House, which was constructed on the foredunes immediately fronting Del Monte Beach.

In this case, the proposed project would be designed to protect a structure that was approved and partially developed as an apartment complex prior to the coastal permitting requirements of the Coastal Act (the portion of Ocean Harbor House that is located inland of Tide Avenue was constructed in 1974). Although the Commission did approve the conversion of the land use of the structure from apartments to



individually owned condominiums in 1990 (condominium conversions are subdivisions of real property, which is considered new development under the Coastal Act), the now existing condominium buildings are structures that existed at the time that Section 30235 went into effect. Special Condition #1, however, notes that the proposed seawall project is for protection of the existing condominium buildings *only*, and not for any demolition/rebuild or other substantial changes to the existing buildings. This is because the existing condominiums are located in a hazardous area that is not appropriate for new development under the Coastal Act. In this sense, the condominiums are “non-conforming” and any future substantial redevelopment of the site would need to comply with the hazard avoidance/setback requirements of the Coastal Act and/or a future certified LCP (i.e., sited to be safe from shoreline hazards, without need for a seawall).

The Coastal Act allows shoreline armoring to protect existing structures in danger from erosion, but it does not define the term “in danger.” There is a certain amount of risk in maintaining development along a California coastline that is actively eroding and can be directly subject to violent storms, large waves, flooding, earthquakes, and other geologic hazards. These risks can be exacerbated by such factors as sea level rise and localized geography that can focus storm energy at particular stretches of coastline. As a result, some would say that all development along the immediate California coastline is in a certain amount of “danger.” It is the degree of threat that distinguishes between danger that represents an ordinary and acceptable risk, and danger that requires shoreline armoring per Section 30235. Lacking Coastal Act definition, the Commission’s long practice has been to evaluate the immediacy of any threat in order to make a determination as to whether an existing structure is “in danger.” While each case is evaluated based upon its own particular set of facts, the Commission has generally interpreted “in danger” to mean that an existing structure would be unsafe to occupy in the next two or three storm cycles (generally, the next few years) if nothing were to be done (i.e., the no project alternative). In this case, buildings #1 through #4 have been seriously threatened by storm surge and wave run-up since the early 1980’s. In more recent years, the storms of 1997-98 and 2002-03 also threatened the seaward buildings of the Ocean Harbor House complex, requiring the installation of riprap along the entire Ocean Harbor House seaward frontage. In short, a portion of the OHH condominium building structures is in danger from erosion for purposes of Section 30235.

The second test of Section 30235 of the Coastal Act that must be met is that the proposal to alter the shoreline must be *required* to protect the existing structures. In other words, under the policies of the Coastal Act, the project must be the least environmentally damaging feasible alternative. Section 21080.5(d)(2)(A) of CEQA likewise prohibits a proposed development from being approved if there are feasible alternatives or feasible mitigation measures available that would substantially lessen any significant adverse effects that the development may have on the environment. Any action the Coastal Commission may be required to take to continue protecting existing structures at this location must be consistent with this section of CEQA, as well as the Coastal Act. Other alternatives typically considered include: the “no project” alternative; abandonment of threatened structures; relocation of the threatened structures; and drainage and vegetation measures. The EIR evaluated a number of alternatives, which are discussed below:



a. Alternative Evaluation Study

Over the past several years, numerous solutions to the Ocean Harbor House erosion problem have been evaluated. The analysis of a variety of alternatives was presented in a report entitled "*Report of the Repair/Mitigation Alternatives to Address the Bluff Retreat Erosion Problems with the Monterey Ocean Harbor House Development*," prepared by Steven E. O'Connor, P.E. and Reinhard E. Flick, Ph.D. in March 2002. Four alternatives were considered but rejected in the EIR as feasible alternatives, for various reasons. In addition, the EIR evaluated five potential alternatives. All of these alternatives are discussed below:

Alternatives Considered But Rejected:

1. Groin Repair Alternative:

Groins are sand retention structures built perpendicular to the shoreline. They are meant to interrupt the longshore transport of sand and thereby widen the adjacent beach. Groins are most effective on beaches with pronounced longshore transport. The groin repair alternative would consist of installing one or more groins along the beach in front of and/or adjacent to the Ocean Harbor House development. The groin alternative was rejected because it would permanently impact lateral access along the beach in front of Ocean Harbor House, hindering pedestrian traffic along the beach, and because it would encroach upon City of Monterey land. The groin would also result in visual obstruction and would not provide long-term protection for the condominium buildings. Also, because groins are most effective in areas with significant littoral drift, the minimal drift in this location would hinder a groin's effectiveness. For these reasons, construction of one or more groins is not a feasible repair alternative for the coastal erosion problem at Ocean Harbor House.

2. Offshore Reef Alternative

This alternative would consist of installing a reef in the ocean waters off the beach area that borders the Ocean Harbor House development. Installation of an offshore reef would cause the waves to break early enough so that wave run-up would not reach and erode away the base of the toe of the sand dune bluff at Ocean Harbor House. While this alternative would provide long-term protection of the condominium buildings and would not encroach on the public City beach and would not reduce lateral access, this option would require a permanent encroachment into the Monterey Bay National Marine Sanctuary to construct the reef and could result in additional environmental impacts to offshore habitats. In addition, the offshore reef could pose a navigation hazard to boaters and a safety hazard to swimmers. However, in recent correspondence the Sanctuary has indicated an interest in considering this alternative as a means to avoid the construction of a seawall (see Exhibit 16).

3. Sacrificial Sand Berm Alternative:

This alternative would consist of maintaining a sand berm along the seaward side of the Ocean Harbor House development. The purpose of the sand berm would be to mitigate the potential for further erosion of the sand dune bluff that protects the shallow spread footings of the four seaward buildings, access into and out of the properties, and the common areas that lie between the buildings from being undermined as a result of shoreline erosion and the bluff retreat process.



Because portions or all of the sand berm would be eroded away during winter storms, it would be necessary to periodically restore the sand berm. The amount of actual restoration would vary from year to year depending on the severity of the winter storms. If a severe storm, or a series of storms, destroyed the sand berm, it would be necessary to obtain a temporary emergency encroachment permit to install rock riprap (which was allowed under emergency permit CDP 3-98-116-G). The sacrificial sand berm would thus be considered more of an interim measure until a permanent response to the shoreline erosion problem could be implemented. Thus, it is not a feasible alternative and would not provide a long-term resolution to the problem.

4. Slope Armoring Repair Alternative

This alternative would consist of installing a non-erodible facing to the existing natural sand bluff feature along the seaward side of the Ocean Harbor House development. Slope armoring repair would involve an inclined rock or concrete revetment structure. These structures are typically inclined back at a slope and are as flat as 2:1 (horizontal to vertical) and as steep as 1.5:1. Slope armoring repair would require some encroachment onto City of Monterey beach property. In locating the slope armor repair alternative to minimize or eliminate encroachment onto City property, the underside of most of the seaward units would be subject to potential damage and greater noise as a result of waves breaking directly underneath the buildings. A short seawall with a wave recurv would be required to mitigate the potential for damage to the underside of the buildings. Additional modifications to the buildings would be required including the relocation, strengthening or shielding of the utility lines that hang from the underside of the buildings; acoustical dampening for the undersides of the buildings to reduce the noise level of the waves when they break under the buildings, and construction of elevated structural walkways and stairways with splash deflectors and safety railings to maintain access to the most seaward top and bottom units.

Lateral access in front of Ocean Harbor House, as well as recreational use of the beach area generally, would be reduced and eventually lost over time, similar to the proposed project. In addition to its expanded encroachment on the beach and perhaps aesthetic impacts, the primary difference between the slope armoring alternative and the proposed seawall project is that with the slope armoring repair alternative, the waves would break underneath the buildings, requiring numerous modifications to the buildings to offset impacts due to underside wave break. For these reasons, and the fact that there would be uncertainty regarding the permanence of this alternative and no discernable environmental benefits regarding passive erosion (compared to the proposed project), this alternative was deemed an infeasible and inferior solution to the proposed project.

Project Alternatives

The proposed project would result in significant environmental impacts (discussed below), each of which can be mitigated to a less than significant level, with the exception of significant impacts resulting from loss of beach fronting the Ocean Harbor House property due to passive erosion. The following is a discussion of the range of alternatives discussed in the EIR. See Exhibit 9 for a comparison of the impacts of each project alternative to the proposed project.

1. The No Project Alternative

Under this alternative, the existing rock revetment would be removed (in compliance with the condition



of the emergency permit and subsequent regular permits and amendments). With removal of the protective riprap wall, the seaward units would likely be damaged and/or destroyed in the near future as the result of high surf and/or heavy storms (the EIR assumes that the City of Monterey would order their demolition prior to this occurring). The peninsula effect, with associated loss of beach, would not take place under this alternative. This alternative, though, would not protect the portions of Ocean Harbor House that are currently in danger from coastal erosion forces.

2. Planned Retreat (Abandonment and Demolition of Seaward Units)

Under the Planned Retreat Alternative, the rock riprap revetment would be removed and the five most seaward units of buildings #1 through #4 (a total of 20 units) would be abandoned and removed in the very near future. Within 15 to 25 years, the next four to six most seaward units in each building (an additional 16 to 24 units) would also be vacated and demolished. After each phase of removal, the ocean-side wall of the remaining most seaward units would be modified regarding exterior windows and decks. As part of this process, the sewer lines and other utilities that would no longer service the demolished units would be re-routed above the 100-year flood elevation.

The retreat process would not go on indefinitely. It is assumed that the City of Monterey would eventually determine a maximum retreat line to protect existing roads, major infrastructure, and significant portions of the Del Monte Beach neighborhood, although this time would be well into the future (greater than the life of the project). As many as 88 units (all of the units in buildings #1 through #8, which are all located seaward of Tide Avenue) could eventually be demolished and abandoned. This alternative would reduce impacts on aesthetic/visual resources, geological resources and public access compared to the proposed project because passive erosion would not take place and thus the "peninsula effect" and associated loss of public recreational beach land would not occur. Similar to alternative #1 above, though, this alternative would not provide for protection of the beach-fronting structures in danger from erosion.

3. Relocation of Seaward Units Alternative

This alternative would consist of removing the existing rock riprap revetment and demolishing/deconstructing the seaward units that would be susceptible to damage and eventual catastrophic failure due to erosion. The sewer lines and other utilities would be re-routed as necessary. The deconstructed units would be reconstructed in the Ocean Harbor House parking area located adjacent to Tide Avenue (see Exhibit 8). Unless the existing units were otherwise vacant, the replacement units would need to be built first to accommodate relocated property owners, prior to demolition of the existing units. (According to the Applicant, the units would need to be demolished because it is not physically feasible to relocate the seaward buildings due to their size and configuration and the fact that they are supported by pilings and not a standard foundation.) Under this alternative, the seawall would not be constructed and the "peninsula effect" would not occur; thus, the geological, public access, and aesthetic/visual impacts would be less than the proposed project. The EIR found that this was the environmentally superior alternative because there would be fewer environmental impacts associated with aesthetics, shoreline alteration, coastal erosion, hazards, and land use than the proposed project. Commission staff visited the project site and evaluated the potential for reconstruction of the existing seaward units in the Ocean Harbor House's main parking lot, which is located adjacent to Tide



Avenue. Commission staff estimated that approximately one-third (29) of the condominiums located seaward of Tide Avenue could be rebuilt in the existing parking lot. Thus, all of buildings #1 through #4 and a portion of another building could be demolished and rebuilt in the parking lot. This likely would provide at least 15 more years without a seawall at this location. The remaining condominiums that are located seaward of Tide Avenue (59 total), though, could be subject to damage from wave run-up and storm surge in as little as 15 years. More importantly, however, this alternative would require the relocation (through deconstruction and reconstruction) of individually-owned residential structures, in conflict with Coastal Act Section 30235, which allows for protection of existing structures.

4. Beach Replenishment Alternative

This alternative would involve importing beach quality sand from some offsite source and placing it along the shoreline fronting Ocean Harbor House. The O'Connor and Flick report determined that approximately 240,000 cubic yards of sand would be required for an appropriately sized replenishment project (approximately 3,000 feet long and 100 feet wide). This is equivalent to 24,000 single 10-cubic-yard dump trucks. This would require truck traffic and bulldozer activity on the beach five days a week for four months. The other option would be to locate large quantities of beach quality sand at some offshore site, beyond the boundaries of the Monterey Bay National Marine Sanctuary (which has a general prohibition of dredging material from the Sanctuary). Local Monterey Bay suppliers indicate that dredged sand is available from San Francisco Bay, although no information was readily available on the grain size distribution and therefore the beach compatibility of this material. In this case, the sand would have to be transported over a long distance, which would require great coordination and cost.

Sand added to the beach would continue to erode, such that while it would provide some short-term protection or buffer from moderate storm wave activity, it would not be effective under severe wave attack. Thus, beach replenishment can only be considered a short-term or temporary solution and the area would need to be replenished regularly; how regularly would depend on the combined effects of storm wave attack and tidal height or sea level at the time of wave attack. While this alternative would have fewer impacts to aesthetics/visual resources and coastal erosion than the proposed seawall, there would be significant impacts to traffic due to the need to transport sand to the site. In addition, bulldozers would be required to spread the sand once delivered. This approach, therefore, becomes a very invasive (due to transportation impacts), short-term solution. Also, this alternative would have greater potential biological impacts to the snowy plover.

5. Foundation Underpinning Alternative

This alternative is similar to the project approved by the Commission in 1992, and would involve installing 4-foot diameter, 50-55 foot deep concrete foundation piers and support beams to underpin or support the existing shallow foundations. To provide long-term (50-year) protection from bluff retreat, it would be necessary to underpin the 3rd, 4th, and 5th spread-footing foundation lines for the first four buildings. The underpinning would be identical to the pier and grade system that now supports the front units. Over time, as the dune edge continued to retreat landward, the units would be elevated 15-20 feet over the beach, and OHH would begin to look like buildings on a pier. In addition, waves would eventually begin to break directly under the units, requiring an acoustical dampening system to reduce the winter noise of breaking waves. Public lateral access fronting the condominiums would be



increasingly diminished, particularly at high tides (as it is now), and eventually lost. The Applicant's geotechnical analysis projects that the mean high tide will overtake the condominium complex in approximately 50 years, at which point lateral access would need to go under or around the buildings. Similar to the proposed seawall project, this alternative would result in the eventual loss of public beach, as the beach retreated under the structures. Other potential problems with this alternative include the need to suspend the entrances to the condominium units to protect them from wave action. In addition, all the utility lines, including the sewer lines, also would need to be suspended under the buildings and shielded from wave action. If this shielding were ever breached, there would be a potential for sewage discharge directly into ocean waters.

6. Conclusion

Given all of the above, the proposed project appears to be the optimum and only feasible alternative that can protect the existing threatened structures in this case. Therefore, the proposed project meets the second test of Section 30235 of the Coastal Act.

b. Sand Supply Impacts

The third test of Section 30235 requires that shoreline structures be designed to eliminate or mitigate adverse impacts to local shoreline sand supply.

Beach sand material comes to the shoreline from inland areas, carried by rivers and streams; from offshore deposits, carried by waves; and from coastal dunes and bluffs, becoming beach material when the bluffs or dunes lose material due to wave attack, landslides, surface erosion, gullying, etc. Coastal dunes, such as those present along this portion of the coastline, are almost entirely beach sand. Wind and wave action often provide an ongoing mix and exchange of material between beaches and dunes. When a shoreline protective device covers the back-beach or dune slope, the natural exchange of material either between the beach and dune or bluff will be interrupted and, if the shoreline is eroding, there will be a measurable loss of material to the beach. All dune or bluff material contributes to the littoral system at some level. However, sand and larger grain material are the most important components of the beaches in the vicinity of the project, and only the sand portion of the bluff or dune material is characterized as beach material.

Dune erosion, accretion, and bluff erosion are natural shoreline processes affecting the formation and dynamics of sandy beaches. Erosion of dunes and bluffs is one of several ways that beach quality sand is added to the littoral system. Beaches can be impacted when these natural processes are altered by the construction of shoreline armor.

Some of the effects of engineered armoring structures on the beach (such as scour, end effects, and modification of the beach profile) are temporary or difficult to distinguish from all the other actions that modify the shoreline. Such armoring also has distinct qualitative impacts to the character of the shoreline and visual quality. However, some of the effects that a structure may have on natural shoreline processes can be quantified, including: 1) loss of the beach area on which the structure is located; 2) the long-term loss of beach area that will result when the back-beach location is fixed on an eroding shoreline; and 3) the amount of material that would have been supplied to the beach if the back-beach or bluff were to erode naturally.



Obviously each of these potential impacts of shoreline structures affect public access and recreation by removing sand from the system that might otherwise replenish sandy beaches, encroaching on beach areas otherwise available for public use, or by causing the loss of beach area in front of the structure through passive erosion. As discussed above, and well-analyzed by the geotechnical reports for the project, construction of the proposed seawall will lead to the formation of a peninsula, with loss of the entire beach seaward of the condominium complex over the projected 50-year life of the project. Thus, approximately 435 linear feet of beach (approximately one acre as measured from the current mean high tide line to the OHH property line) and associated recreational activities on this section of Del Monte Beach will be lost due to construction of the project. The impact of the proposed seawall on public access and recreation is further discussed in Section III(C)(2) below.

Structural Encroachment on the Beach

According to the Applicant's engineer, the footprint of the proposed seawall will cover approximately 1,200 square feet of sand beach. As a result, the proposed project would eliminate a 1,200 square foot section of beach that would otherwise be available for access and beach use. The proposed seawall has been located as far inland as possible so as to minimize the encroachment of this structure on the beach. Nevertheless, this encroachment will affect public access and the beach, and there will be an adverse, unavoidable impact from the seawall for as long as it remains on the beach. The 1,200 square foot encroachment is one of the impacts from the proposed seawall that can be quantified.

Fixing the Back Beach

Experts generally agree that where the shoreline is eroding and armoring is installed, as would be the case here, the armoring will eventually define the boundary between the sea and upland areas. On an eroding shoreline fronted by a beach, the beach will be present as long as some sand is supplied to the shoreline and the beach is not submerged by sea level rise. As erosion proceeds, the beach also retreats. This process stops, however, when the retreating shoreline comes to a revetment or a seawall. While the shoreline on either side of the armor continues to retreat, shoreline retreat in front of the armor stops. Eventually, the shoreline fronting the armor protrudes into the water, with the mean high tide line fixed at the base of the structure. In the case of an eroding shoreline, this represents the loss of a beach as a direct result of the armor. This effect, which is known as "passive erosion," is what will eventually cause the formation of a peninsula if the proposed seawall is constructed at Ocean Harbor House. Passive erosion is the most significant impact caused by seawall placement on eroding coastlines. The alteration in the shape of the shoreline in front of and on either side of the armoring structure causes detrimental impacts to public lateral access and recreation as the existing beach in front of the structure is lost. In addition, as the beach becomes narrower over time, there is a risk of injury to swimmers at high tides and to beachgoers who may get caught between the wall and high surf. The passive erosion that will result from the proposed seawall will eventually eliminate the public recreational beach area in front of Ocean Harbor House, as well as the existing lateral access and recreational opportunities this beach now provides. See Exhibit 13 for an additional discussion of the impacts of passive erosion and loss of lateral and vertical beach access, as provided in the EIR.

Coastal processes at Ocean Harbor House have been studied in great detail by the Applicant's technical experts and they have been summarized in the EIR and in the *Report on Repair/Mitigation to Address*



the Bluff Retreat Erosion Problems with the Monterey Ocean Harbor House Development by Steven O'Connor and Reinhard Flick. For many years, there were several active sand mining operations that were removing between 100,000 and 400,000 cubic yards of sand annually from the Southern Monterey Bay littoral cell. These activities ended in the 1980's and some experts anticipated that there would be noticeable changes in shoreline dynamics and erosion trends when these activities ceased. In general, there seems to have been a buildup of beach material, such that the beach seaward of Ocean Harbor House has remained relatively stable since the mining activities were halted; however, the retreat of the dune/bluff system had continued.

Over the short term, this phenomenon had resulted in little change to the beach fronting Ocean Harbor House, while the beaches to the north and south have widened as the dune system retreats landward. On average, the dunes in this area are retreating at a rate of about 1.7 to 2.0 feet per year.¹ This has led to an average widening of the upcoast and downcoast beaches of 1.7 to 2.0 feet per year. The dune system at Ocean Harbor House has been stabilized and the proposed seawall will continue this stabilization. The dunes at Ocean Harbor House are not retreating and thus, this beach has not experienced the natural widening that is occurring elsewhere. Eventually, the beach will widen to the point that the dunes are no longer threatened by wave action, or the beach will undergo a period of retreat and adjust to some new equilibrium with the backshore.

The Applicant has proposed the shoreline protection with the expectation that the dunes will continue to retreat. Implicit in this expectation is that the beach will not provide an effective buffer from wave energy. Thus, it would be expected that for the time that the seaward boundary of the beach remains relatively stable, the beach seaward of Ocean Harbor House would be stable, but would be, on average, 1.7 to 2.0 feet per year narrower than the adjacent beaches. If or when the seaward boundary of the beach moves landward, the beach at Ocean Harbor House would narrow until eventually Ocean Harbor House is a peninsula, with little beach seaward of the facility. Both impacts to the beach can be considered "passive erosion", where, over time, there will be less available beach fronting the structure than if the shoreline were not armored. This phenomenon occurred at a site to the north (Stillwell Hall), where eventually there was no dry beach seaward of the revetment that was protecting Stillwell Hall and thus no lateral access was possible.

Further adding to the potential loss of beach is the fact that the sea level has been rising slightly for many years. In the Monterey Bay area, the trend for sea level rise for the past 25 years has been an increase resulting in a 100-year rate of nearly 1 foot per 100 years.² Also, there is a growing body of evidence that there has been a slight increase in global temperature and that acceleration of the rate of sea level rise can be expected to accompany this increase in temperature. Some shoreline experts have

¹ Rogers Johnson (2000) states, "In 1983-84, recession rates were estimated to be on the order of 1.8 feet per year. Because of several years of less than average erosion rates, and the cessation of sand mining in Monterey Bay, a revised estimate was proposed at 0.85 feet per year in 1994. However, after the 1997 winter and the 1998 El Niño winter storms in which above-average erosion rates were measured, the original estimate of 1.7-2.0 feet per year was again determined to be a more accurate rate."

² NOAA, National Ocean Service.



indicated that the sea level could rise as much 3 feet by the year 2100.³ Mean water level affects shoreline erosion in several ways, and an increase in the average sea level will exacerbate all these conditions. On the California coast the effect of a rise in sea level will be the landward migration of the intersection of the ocean with the shore. On a relatively flat beach (such as that found at Ocean Harbor House), with a slope of 40:1, every inch of sea level rise will result in a 40-inch landward movement of the ocean/beach interface.⁴ This, too, leads to loss of the beach as a direct result of armoring that fixes the location of the back beach.

The O'Connor/Flick Report⁵, which was prepared for the project, reviewed a number of shoreline erosion studies for the southern Monterey Bay area. Based on these studies, the dune or bluff retreat rate in the vicinity of the Ocean Harbor House site is estimated at 1.0 to 2.0 feet per year, although up to 3.0 feet of erosion per year has been determined for the former Phillips Petroleum site (now State Parks property) just east of Ocean Harbor House. The Commission has established a methodology for calculating the long-term loss of public beach due to fixing of the back beach, this impact being equal to the long-term erosion rate multiplied by the width of bluff that has been fixed by a resistant shoreline protective device.⁶ Using this calculation and an estimated average erosion rate of 1.7 to 2.0 feet per year in the project vicinity, the impact of the proposed seawall translates to passive erosion of 740 to 870 square feet of beach per year.⁷ Over the 50-year life of the project, passive erosion would reduce the available beach area from between 37,000 sq. ft. (almost 0.85 acres) to 43,500 square feet (0.99 acres). The one-acre beach lost estimate also corresponds to the Applicant's analysis of the retreat of the mean high tide inland (see Exhibit 15). That is, if one defines the "beach" as the area between the mean high tide and the seaward property line of the OHH complex (a conservative estimate of beach area), the analysis shows the disappearance of the beach within 50 years (i.e., the mean high tide retreats inland of the property line).

The proposed seawall will also cause a reduction in sand supply from erosion of the dune located below the Ocean Harbor House condominiums. The Applicant's consulting geotechnical and coastal engineer/oceanographer calculated the amount of sand supplied annually by the erosion of the dune at Ocean Harbor House compared to the estimated littoral sand budget of southern Monterey Bay. Using an erosion rate of approximately 1.7 feet per year, the dunes at Ocean Harbor House yield approximately 323 cubic yards of sand per year to the littoral system (16,150 cubic yards over 50 years). In one view,

³ Gary Griggs, as quoted in "Living on the Edge; a saga of seawalls, who wants them, who doesn't, and the fate of California's disappearing coastline" by Bruce Willey (in the "Good Times," February 27 - March 5, 2003 issue). Mr. Griggs is quoted as also indicating that some estimates show that it will be higher than three feet, some lower, but that the three feet rise by 2100 is "probably the median."

⁴ In other words, a one-inch rise in sea level can result in over 3 landward feet of dry sandy beach loss. For the 3 feet rise estimated by 2100, that would translate into a 120-foot landward movement of the wet-dry intersection on a beach sloped at 40:1.

⁵ Steven E. O'Connor, P.E. & Reinhard E. Flick, Ph.D. *Report on Repair/Mitigation Alternatives to Address the Bluff Retreat Erosion Problems with the Monterey Ocean Harbor House Development*, March 27, 2002.

⁶ The area of beach lost due to long-term erosion (A_w) is equal to the long-term average annual erosion rate (R) times the number of years that the back-beach or bluff will be fixed (L) times the width of the bluff that will be protected (W). This can be expressed by the following equation: $A_w = R \times L \times W$.

⁷ That is, 1.7 feet per year multiplied by 435 feet for the lateral dune area that will be blocked by the seawall, equals approximately 740 square feet per year; 2.0 feet per year equates to 870 square feet per year.



this sand supply impact is relatively insignificant if one considers that the average annual volume of sand eroded from the dunes along the Monterey Bay shoreline (based on the ten miles of dune frontage between Monterey and Marina) is approximately 300,000 cubic yards. The annual loss of approximately 323 cubic yards of sand represents 0.11% of the estimated average annual volume of sand eroded from the dunes along the Monterey Bay shoreline. Nonetheless, any sand supply impacts due to the project should be eliminated or mitigated. This is particularly true when one considers the potential cumulative impact of shoreline structures on sand supply over the long-term.

Sand Supply Impacts Conclusion

The proposed seawall will have a quantifiable sand supply impact. The seawall will encroach onto 1,200 square feet of beach and will also cause a reduction in sand supply from erosion of the dune located below the Ocean Harbor House condominiums. The proposed vertical wall design does minimize the encroachment of a structural solution and thus provides some mitigation. Over time, an additional 37,000 square feet of beach will be lost due to passive erosion as well as the annual loss to the littoral system of 323 cubic yards of sand, or 16,150 cubic yards of sand over the 50-year life of the project.

In order to approve the project under Section 30235, sand supply impacts must be eliminated or mitigated. As proposed the project cannot eliminate these impacts. Some impacts of encroachment have been minimized through the use of a vertical wall. In response to staff queries about how the project might be revised to mitigate sand supply impacts, the Applicants' legal representative proposed the formation of a region-wide Geological Hazard Abatement District (GHAD), which would be partially funded by a sand loss mitigation fee paid by the Ocean Harbor House Homeowners' Association (see Exhibit 14). The purpose of the GHAD would be to fund research regarding the problems of sand supply loss and erosion in the southern Monterey Bay area, as well as studies regarding possible solutions to these problems. The proposal does not propose a specific mitigation amount, however, and the Ocean Harbor House Homeowners' Association Board has not approved the proposal. In addition, the onus for development and implementation of region-wide sand supply and erosion studies and solutions would fall on public agencies, such as the Coastal Commission and the Monterey Bay National Marine Sanctuary, and not on the Homeowners' Association. Finally, it is not evident that development of the GHAD would ever provide any direct mitigation for the loss of the public recreational beach area in front of Ocean Harbor House. For these reasons, the Commission finds that this proposal is inadequate.

Loss of beach material and loss of beach area are two separate concerns. A beach is the result of both sandy material and a physical area between the water and the back beach. The impacts from a seawall are impacts to both the beach area and the quantity of sandy beach material. The loss of beach material that will be a direct result of this project could be balanced or mitigated by obtaining similar quality and quantity of sediment from outside the littoral cell and adding this sediment to the littoral cell. There are sources of beach quality sediment that can be drawn upon to obtain new sediment for the littoral cell. Unfortunately there is not a source of extra beach land that can be used to add new land area to the littoral cell. Beach nourishment is a method that allows us to shift the shore profile seaward and create a new area of dry beach. This will not create new coastal land, but will provide many of the same benefits



that will be lost when the beach area is covered by a seawall or "lost" through passive erosion when the backshore location is fixed.

In many situations, the Commission has mitigated for the impacts to sand supply through a condition that requires the Applicant to pay into a fund for an amount of sand that could, through beach nourishment, offset the unavoidable impacts from the proposed shore protection. It is possible to estimate the volume of sand needed to create a given area of dry beach through beach nourishment. In this case, the proposed project will result in the immediate loss of 1,200 sq. ft. of beach due to the long-term physical encroachment of the seawall. In addition, there will be the loss of 37,000 to 43,500 sq. ft. of beach area through passive erosion from fixing the back of the beach. This eventual loss of total beach area cannot be directly replaced, but the volume of sand equivalent to the lost area can be estimated. In the Monterey area, it takes approximately 1 cubic yard of sand to create 1 square foot of dry beach. Thus, the placement of 38,200 cubic yards of sand could be mitigation for the loss of 38,200 sq. ft. of beach. Combining this with the direct 50-year loss of sand to the littoral cell of 16,150 cubic yards, one option for direct mitigation of the quantifiable impacts from this project would be to place 54,350 cubic yards of sand onto the beach near or adjacent to the proposed seawall (54,350 cubic yards = 38,200 + 16,150). This estimate is only a "rough approximation" of the impact of the seawall on beach area because a one-time placement of this *volume* of sand cannot actually result in creation and maintenance of beach *area* over the long term. This is made clear in the EIR analysis of the beach replenishment alternative discussed above, which shows that approximately 240,000 cubic yards of sand would be needed to create a beach that would function as adequate shoreline protection of the OHH. While this is not the same thing as the estimated volume of sand that is encompassed by the existing beach area that would be lost, it does suggest that the 38,200 cubic yard figure is a conservative estimate.

Still, beach nourishment is a common response to sand supply problems. A formal sand replenishment strategy can introduce an equivalent amount of sandy material back into the system to mitigate the loss of sand that would be caused by a protective device. Such an introduction of sand, if properly planned, can feed into the littoral cell sand system to mitigate the impact of the project. However, currently there are no existing regional beach nourishment programs directed at the southern Monterey Bay area. Absent a comprehensive program that provides a means to coordinate and maximize the benefits of mitigation efforts in the area now and in the future, the success of any piecemeal mitigation effort is questionable. As an alternative mitigation mechanism, the Commission oftentimes uses an in-lieu fee when in-kind mitigation of impacts is not available. In the Central Coast District Office, sand supply mitigation fees have previously been collected and applied to a beach nourishment/public access program in the City of Capitola (the in-lieu fee was mitigation for a seawall project in Capitola in which the funds collected could benefit a public access program and/or provide for sand replenishment).

As discussed above, the impacts of the project due to structural encroachment, fixing of the back beach, and retention of potential beach material can be quantified and translated into approximately 54,350 cubic yards of sand for the 50-year life of the project. If the Commission were to apply an in-lieu fee for sand supply in this case, the market cost of supply this amount of sand would be needed. Recent estimates to deliver beach quality sand to Monterey beaches are roughly \$27 a cubic yard (including



sales tax). With respect to a sand supply loss mitigation fee, based on cost estimates to supply 1 cubic yard of sand to this location, the mitigation of 54,350 cubic yards of sand would be \$1,467,450.00 (which is equivalent to \$8,532.00 per condominium unit). However, in this case there is no sand supply program to which to allocate such a fee. Moreover, as previously discussed, even if a sand supply program was in place in the southern Monterey Bay area, a one-time mitigation of 54,350 cubic yards of sand would not sustain the beach in front of Ocean Harbor House indefinitely. The resulting wave run-up from storm surges would eventually wash the deposited sand away into the ocean, and new beach would not be able to form because of the seawall. To ensure the retention of the beach in front of Ocean Harbor House through a sand supply program, large volumes of sand (greatly exceeding 54,350 cubic yards) would need to be deposited on the beach at Ocean Harbor House at multi-year intervals over the life of the project.

Although the City of Monterey has discussed the possibility of seeking a regional solution to beach erosion issues, in concert with other southern Monterey Bay cities, no formal beach nourishment and mitigation program is in place, and this type of program is unlikely to be in place in the near future. In this case, the primary impact of loss of sand at the project site will be on public access and recreation because of the eventual formation of a peninsula with complete loss of approximately 435 linear feet of lateral beach access and ± 1 acre of beach recreation area. As discussed below, there are other ways to value the loss of public beach that will result from this project. With the requirement of an in-lieu fee as otherwise determined below to address the loss of recreational beach area, the Commission finds that the project is consistent with section 30235.

c. Assumption of Risk

The Commission's experience in evaluating the consistency of proposed developments with Coastal Act policies regarding development in areas subject to hazards has been that development has continued to occur despite periodic episodes of heavy storm damage or other such occurrences. Development in such dynamic environments is susceptible to damage due to such long-term and episodic processes. Past occurrences statewide have resulted in public costs (through low interest loans, grants, subsidies, direct assistance, etc.) in the millions of dollars. As a means of allowing continued development in areas subject to these hazards while avoiding placing the economic burden for damages onto the people of the State of California, applicants are regularly required to acknowledge site geological risks and agree to waive any claims of liability on the part of the Commission for allowing the development to proceed. Special Condition #2 requires that the Applicant agree to such an assumption of risk.

2. Public Access and Recreation

Coastal Act Section 30604(c) requires that every coastal development permit issued for any development between the nearest public road and the sea "shall include a specific finding that the development is in conformity with the public access and public recreation policies of [Coastal Act] Chapter 3." The proposed project is located seaward of the first through public road, on the beach. Coastal Act Sections 30210 through 30213, as well as Sections 30220 and 30221 specifically protect public access and recreation, and state:



Section 30210: In carrying out the requirement of Section 4 of Article X of the California Constitution, maximum access, which shall be conspicuously posted, and recreational opportunities shall be provided for all the people consistent with public safety needs and the need to protect public rights, rights of private property owners, and natural resource areas from overuse.

Section 30211: Development shall not interfere with the public's right of access to the sea where acquired through use or legislative authorization, including, but not limited to, the use of dry sand and rocky coastal beaches to the first line of terrestrial vegetation.

Section 30212(a): Public access from the nearest public roadway to the shoreline and along the coast shall be provided in new development projects...

Section 30213: Lower cost visitor and recreational facilities shall be protected, encouraged, and, where feasible, provided. Developments providing public recreational opportunities are preferred. ...

Section 30220: Coastal areas suited for water-oriented recreational activities that cannot readily be provided at inland water areas shall be protected for such uses.

Section 30221: Oceanfront land suitable for recreational use shall be protected for recreational use and development unless present and foreseeable future demand for public or commercial recreational activities that could be accommodated on the property is already adequately provided for in the area.

Coastal Act Section 30240(b) also protects parks and recreation areas such as Monterey State Beach. Section 30240(b) states:

Section 30240(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.

Del Monte Beach LUP Public Access Policies 9 & 10 state:

9. Signage clearly indicating the location of coastal access points shall be provided at the points shown in Figure 6, and shall include, where possible, signage from the beach to the Recreation Trail. Adequate signage shall be required upon development of new access. Placement and maintenance shall be according to the following: a) Signs shall be maintained and replaced when necessary so that they are readable. b) Signage shall be provided where essential; sign clutter shall be minimized.

10. Existing lateral access along the entire length of the LCP area beachfront shall be protected and maintained at currently available widths at a minimum, and widened where feasible.

Del Monte Land Use Plan Recreation and Visitor-Serving Facilities Policy 1 provides for protection of



lower-cost recreation at the State Parks property that is directly adjacent to Ocean Harbor House, and states:

1. The City shall encourage the State to improve lower cost recreational and parking facilities, including new restroom facilities, at the State owned beach west of the Monterey Beach Hotel, as soon as possible. This area is considered the major lower cost recreation facility for the LCP area.

a. Background

Monterey remains one of the premiere tourist destinations in the United States, attracting an estimated four million visitors to the Monterey Peninsula annually. Many of these tourists, as well as local residents, make their way to the sandy beaches located in the Del Monte Beach LUP planning area. Two public recreation areas are located in the Del Monte Beach LUP area in the vicinity of the proposed project. The largest is Monterey State Beach, a portion of which is located immediately east of the project site (see Exhibit 2). The Department of Parks and Recreation (DPR) has estimated an average beach attendance at Monterey State Beach of nearly one million people per year. As described by DPR, Monterey State Beach provides beach-oriented recreation, including kayaking, kite-flying, volleyball and beachcombing. A portion of the Monterey Bay Coastal Trail (which will constitute a portion of the Monterey Bay Sanctuary Scenic Trail, an element of the California Coastal Trail) passes through the State Beach. The City-owned Del Monte Beach provides a seven-acre public beach area bayward of Tide Avenue, and includes the portion of beach seaward of Ocean Harbor House that will be eliminated due to passive erosion if the seawall is built. Facilities at the City beach include a sand volleyball court. A small turnout at the foot of Beach Way provides short-term and handicap parking, and on-street spaces provide daytime parking on Tide Avenue for access to the City beach.

Planned recreational facilities in the Del Monte Beach LUP area include the continued development of the adjacent State Beach as a day use beach facility. Preliminary plans for this area include formalized parking for 29 vehicles, a picnic area, a comfort station, controlled beach access, and an interpretive shelter with displays. Just downcoast of Ocean Harbor House, the approved Del Monte Beach re-subdivision will re-subdivide a total of 60 parcels (38 private and 22 public) into a cluster of 14 inland developable parcels, with the remaining seaward parcels merged and preserved as open space/habitat areas. The majority of the dune area seaward of Seafoam Avenue will be retained as open space. Boardwalks will be developed through this portion of the dunes, with two accesses from Beach Way and a single access from Spray Avenue down to the City beach.

Existing recreational activities occurring along the beaches in the vicinity of Ocean Harbor House emphasize the use of the sandy beach. Sunbathing, reading, relaxing, jogging, and walking on the beach and adjacent open sand areas are the most common activities. Swimming, surfing, and surf fishing also occur. Currently, beach users can walk the entire span of the beach in the City of Monterey from Wharf #2 to the Monterey Beach Hotel, a distance of about two miles. With the exception of storm events and high tides, when the beach is narrowed in some places, pedestrians can continue along the beach all the way to Moss Landing, for a total distance of 18 miles. Over time, however, construction of the proposed seawall will cause passive erosion that will result in the formation of a peninsula at Ocean Harbor



House. As detailed above, the geotechnical analysis of this project establishes that this will lead to the progressive loss of recreational beach land and reduction of lateral access in front of the proposed seawall. As this process continues, the percentage of time when use of the beach for recreation, as well as lateral beach access, is restricted will gradually increase until some point in the future when approximately 435 linear feet of lateral beach access in front of the seawall is completely eliminated (see Exhibit 15). Based on the analysis of the mean high tide over time, and defining the beach as that area between MHT and the OHH seaward property line, the geotechnical analysis shows a loss of approximately 1 acre of recreational beach over a 50-year period. The EIR considered the formation of the peninsula and the associated loss of beach to be a significant impact with no feasible mitigation measures to reduce this impact to a level of insignificance, other than the project alternatives discussed in Section III.C.1a above, which were determined to be infeasible.

There is a growing amount of literature concerning the tremendous economic and social value of California's beaches. As discussed in more detail below, in addition to the more qualitative social benefits of beaches (aesthetic, experiential, habitat values, etc.), beaches provide significant direct and indirect revenues to local economies, the state, and the nation. There is little doubt that the loss of one acre of sandy beach in an urban area such as Monterey represents a significant impact to public access and recreation, including a loss of the social-economic value of this recreational opportunity. As mentioned, nearly a million people a year have visited the Monterey State Beach area that runs from the Monterey Harbor to Sand City in recent years. There are undoubtedly substantial benefits being provided to these users of the beach resource. The question becomes how to adequately mitigate for the impact of the loss of one acre of beach, and in particular, how to determine a reasonable value of this impact that could serve as a basis for mitigation, in light of the absence of actual feasible mitigation measures to maintain or create equivalent beach resources at or near the project site.

Mitigating the Loss of Recreational Beach Area.

In terms of the projected loss of lateral beach access in front of OHH, the Applicant originally proposed development of an elevated public walkway along the project frontage (a cantilevered walkway incorporated into the seawall structure) to maintain lateral public access adjacent to the beach and ocean. The City, however, had concerns about this option given that it would encroach over City beach property. Also, the walkway would need to be closed during periods of high wave action due to safety concerns. In addition, uplift forces from waves could damage or destroy the walkway structure. The current proposal includes access through the Ocean Harbor House parking lot, which would connect to the City beach and park on the west and the State beach on the east (see Exhibit 8). No proposal to address the loss of recreational beach area, though, other than the potential formation of the GHAD, has been offered by the applicants.

As discussed in Section III.C.1a above, there are no feasible alternatives to the proposed project. Lateral beach access seaward of Ocean Harbor House will remain at certain times for a number of years after development of the proposed seawall (especially at low tide), but eventually this access will be completely lost due to the peninsula effect (see Exhibit 15). Although the proposed lateral access through the Ocean Harbor House parking lot is not ideal in that it is not located on the beach and does not provide any beach or ocean views, it is the only feasible option that will provide a lateral connection



between the State beach and the City beach during the entire year, consistent with public safety. To ensure that this access is optimal, Special Condition #3 requires submission of an access plan, including signage to direct the public to the parking lot access, as well as the hours that the access is available to the public, consistent with adjacent City beach time restrictions.

As discussed in Section III.C.1b above, the volume of sand that approximates the area of beach land lost to the project can be calculated (38,200 to 44,700 cy); if this sand volume and current market prices for sand were to be used as a basis for an in lieu fee to mitigate the loss of recreational beach area, the fee would range from approximately \$1,031,400 to \$1,206,900. However, as discussed, no formal beach nourishment and mitigation program is in place in the southern Monterey Bay area. Moreover, although this fee estimate is based on a quantifiable, site-specific volume of sand and market condition, this estimation of the beach loss through a sand volume calculation does not really address the recreational value of the anticipated one-acre of beach loss. Indeed, the primary impact of loss of sand at the project site will be on public access and recreation because of the eventual formation of a peninsula with complete loss of approximately 435 linear feet of lateral access and recreational opportunities on this portion of an urban, heavily used beach. While the proposed access through the Ocean Harbor House parking lot will connect the City park and beach with the State Beach, this access is not qualitatively equivalent to the existing lateral beach access in front of Ocean Harbor House. This is because the proposed parking lot access is located inland and away from the ocean, both physically and visually. In addition, current recreational activities available on the public beach in front of the condominiums, such as sunbathing, beachcombing, and surf fishing, will not be accommodated on the path through the parking lot. Also, the eventual formation of a peninsula at Ocean Harbor House will create a major impediment to through beach access along 18 miles of shoreline from Moss Landing to Wharf #2 in Monterey. Thus, the loss of sand seaward of the condominium complex will mean a significant loss of recreational beach use and lateral beach access. Other methods for mitigating this loss must be considered.

b. Real Estate Value Mitigation

Another possible way to determine an appropriate mitigation fee for the project's impacts to public beach area is to estimate the amount of money required to purchase and set aside from development approximately 1 acre of beach property somewhere else along the California coast.⁸ To do so, Commission staff has evaluated the average value of beach property on a number of properties in the Monterey Bay area and in Malibu as a way to gauge the cost of providing an equivalent amount of recreational beach area to that which will be lost over the life of the project. For example, on the low end, the Taggart property is a 7.4-acre parcel in Monterey County near Moss Landing. The property is for sale with an asking price of \$1,850,000.00, which averages out to \$250,000.00 per acre. This property, however, is largely undevelopable because a large portion of the property consists of wetlands in the form of saltwater marshes. The constraints of this site are presumably reflected in the relatively

⁸ The existing distance from the mean high tide line to the buildings is approximately 100 feet (as shown in Exhibit 15); the linear distance along the Ocean Harbor House property line is approximately 435 feet; 100 feet x 435 feet = 43,500 sq. ft. (the size of the existing beach at mean high tide); one acre = 43,560 sq. ft.



low asking price per acre. In addition, the Taggart property beach is located in a rural area, almost 18 miles from Ocean Harbor House. Because of its rural location and the predominance of saltwater marsh in the immediate vicinity, the beach on the Taggart property sees much less recreational use than the beach at Ocean Harbor House, which is located in a highly urbanized area in the City of Monterey. It is, therefore, not as highly valued as a recreational resource based on cumulative demand.

In Santa Cruz County, Commission staff evaluated the land value and acreage for 13 properties that have sold in the last five years along Beach Drive in Aptos. These properties are either located directly on the beach or are located just inland of Beach Drive. For the 13 properties that sold in the last five years, the average land value was \$1,034,466.00 for an average 6,001 square foot parcel. This equates to \$7,389,043.00 per acre. Of course, these parcels are being sold for the purpose of beachfront residential development. Nonetheless, they do represent an estimate of how much value the market places on properties that could potentially become shorefront recreational land. The higher value may be a function of the relatively higher beach attendance in Santa Cruz County, which may also be a function of the different local beach climate relative to the Monterey Peninsula's climate.

A third example is the Lechuza property in Malibu. A total of 18 houses were proposed on 2.34 acres located on a sandy beach cove. The Commission denied the application for the houses. Ultimately the State purchased the property for \$12,000,000.00, with the intent of removing the development rights and opening up the property to public access and recreation uses. This purchase price is equivalent to \$5,128,205.00 per acre. Obviously beachfront properties in Malibu are highly desirable real estate.

A local public agency is currently in the process of selling approximately one acre of beachfront/dune property in Sand City to State Parks for \$1 million. This property will be added to the State Parks system for public use. This transaction is relatively near the OHH project site. Also, in 2000 and 2002 the City of Monterey purchased, for public use, the west and east "Catellus" commercial coastal properties, respectively. These parcels are adjacent to the Window-on-the-Bay waterfront park and Wharf #2, just downcoast of Ocean Harbor House. The combined cost for both parcels, which total 7 acres, was \$7 million, or \$1 million per acre.

Finally, there have been a number of property transactions in recent years for vacant residential parcels immediately downcoast of OHH. Some of them have included sandy beach area between the mean high tide line and the foredune, and some of them are immediately adjacent to the shoreline. The Monterey Peninsula Regional Parks District reports purchasing parcels at this Del Monte Beach location in the 1990s for between \$50,000 and \$70,000, with the lots closest to the beach costing \$70,000. The lots were 3,600 square feet, which equates to \$847,000 per acre for the \$70,000 beachfront lots. The price of such lots would no doubt be substantially higher today.

As can be seen from the data above, the price per acre for beach property in California can vary greatly. This variation is likely due to the location and developability of the parcel in question. Thus, it is difficult to determine, with any great accuracy, the average purchase price for one acre of beach property along the California coast. There are data available for shorefront property in the immediate vicinity of the project that suggest that the value of an acre of recreational land in the real estate market could be approximately \$1,000,000. However, it is also possible and likely that the cost of an acre of beachfront



property in the vicinity of this project will be significantly higher than \$1,000,000. Although it would be ideal if a specific mitigation project was available, other problems arise with this method in that if an Applicant is required to purchase a specific property to set aside from development, this will involve a third party (the property owner) who may not be amenable to the sale. If the Applicant is not required to purchase a specific property, however, the required mitigation fee could be applied to a dedicated fund that will provide for the purchase of beachfront/dune property for public recreational use in the southern Monterey Bay area within 10 years of project construction. In the event that any portion of the fee remains after this time, it would be donated to State Parks or other acceptable organization to provide for coastal public access and recreation improvements in the southern Monterey Bay area through the acquisition of coastal trail right-of-way and/or the construction of coastal trail improvements.

c. Economic Beach Valuation Mitigation

Another possible way to determine an appropriate mitigation fee for the project is to estimate the economic recreational value of the beach in front of Ocean Harbor House, which eventually will be lost due to construction of the seawall. Most people recognize that the ocean and the coastline of California contribute greatly to the California economy through activities such as fishing, tourism, recreation, and other commercial activities. There is also value in just spending a day at the beach and having wildlife and clean water at that beach, the aesthetics of an ocean view, and being able to walk along a stretch of beach. Over the past few decades, economists have developed tools and methods to value many of these market commercial and "non-market" environmental resources, to quantify their values, and to include these values in cost-benefit equations. The results of a number of studies to quantify the economic value of beaches to the state have been published in recent years.⁹ In addition to identifying market benefits, such as the income to local governments and economies of the tourist/beach-related economy, significant efforts have been made recently to identify the individual "consumer surplus" that beaches provide. For example, Pendleton (2001) found that a number of attributes exist that enhance the enjoyment of beachgoers and thus increase the probability that individuals will choose a particular beach. These attributes include recreational facilities (e.g., volleyball nets or surfboard rental shops), as well as wide, sandy beaches. Pendleton also found that other beach attributes may be dis-amenities, i.e., attributes that degrade visitor welfare and therefore decrease the probability that a particular beach will be visited, such as the presence of trash and/or beach hazards.

Lipton (2001) reports that in 1992 the state of California conducted its first-ever analysis of the economic contribution of seven ocean-dependent industries. The results showed an economic contribution of \$17.3 billion, directly funding 370,000 jobs in the state. At \$9.9 billion, tourism

⁹ Pendleton, L. 2001. *Managing Beach Amenities to Reduce Exposure to Coastal Hazards: Storm Water Pollution*. Coastal Management 29:239-252; Lipton, D. January/February 2001. *How Much is This Beach Worth? Calculating the Value of the Environment*. NOAA Coastal Services Magazine; Houston, J.R. 2002. *The Economic Value of Beaches – A 2002 Update*. Shore & Beach 70-1:9-12; King, P. 1999. *The Fiscal Impact of Beaches in California*. San Francisco State University: Public Research Institute; Chapman, D. & W. M. Hanemann. 2001. *Environmental Damages in Court: The American Trader Case*. The Law and Economics of the Environment 319-367; Leeworthy, Vernon R. & Peter C. Wiley. March 1993. *Recreational use value for three southern California beaches*. NOAA Strategic Environmental Assessments Division, Rockville, MD. Office of Ocean Resources & Conservation; Lew, Daniel. 2002. *Valuing Recreation, Time, and Water Quality Improvements Using Non-Market Valuation: An Application to San Diego Beaches*. Doctoral Dissertation, University of California, Davis.



accounted for more than half of the coast's economic contribution to the state. Lipton also states that the study just scratched the surface of the ocean and coastal environment's total economic value. Lipton quotes Brian Baird, California Ocean Program manager of the California Resources Agency in 2001, as stating "I think if we were to have information about the true value of a beach, or information on people's willingness to pay for the resources, we would see substantially larger and more inclusive numbers."

Houston (2002) found that travel and tourism is America's largest industry and employer, and that beaches are the largest factor in travel and tourism. Houston also reports that California beaches alone have more tourist visits (567 million) than combined tourist visits (286 million) to all 346 National Park Service properties and visits (106 million) to all Bureau of Land Management properties that cover 287 million acres, or about one-eighth of the land of the United States. In addition, Houston reports that California State Beaches, which account for only 2.7% of California State Park holdings, account for 72% of State Park visits. King (1999) showed that California beach tourism makes a total direct and indirect contribution of \$73 billion to the national economy, more than five times the \$14.2 billion contribution of the National Park Service system. Given these numbers, it becomes clear that beach erosion and beach loss are serious threats to state and national beach tourism and therefore a threat to the state and national economies.

Coastal recreation is undertaken by local residents, by California residents who travel to the coast, and by residents of other states and countries. Recreation may impact the California economy by as much as paying for accommodations at a luxury hotel in Santa Barbara, or as little as the purchase of a hot dog on the beach at Santa Monica. The variety of expenditures on day trips to the beach may include gasoline and automobile costs, parking and entrance fees, food and drink from stores, visits to nearby restaurants, beach equipment rentals, etc. In addition, overnight trips to the beach include beach-related lodging expenses.

In addition to market expenditures, day trips to the beach generate another economic value for the coastal and ocean economy, i.e., the non-market consumer surplus value. The consumer surplus of beach visits is the value visitors place on beach visits above and beyond what they actually spend at the beach. Because of the generally low cost of beach access and the significance of beach recreation to Californians, many studies have estimated the consumer surplus of beach going in California to better measure the true value of beaches in the state. A common and well-accepted method for determining the recreational value of a beach is to use the travel-cost method to identify how much people spend to get to the beach. From this data, a demand curve for the beach can be derived that can be used to identify the consumer surplus of the beach. If one knows how many visits to a beach resource occur, one can begin to place an economic value of the resource.¹⁰

To determine an adequate mitigation fee for the loss of the beach in front of Ocean Harbor House due to construction of the seawall, it is necessary to determine general beach attendance in the area as well as an average daily beach expenditure/non-market consumer surplus value per-person. An important piece of the beach valuation method is the identification of consumer expenditures related to beach recreation.

¹⁰ See, for example, http://www.ecosystemvaluation.org/travel_costs.htm.



Of the various studies done regarding California beach economics, none focuses on beach expenditures in the Monterey Bay area. King (1999), however, conducted surveys in southern California to determine the spending habits of visitors to Huntington Beach. The data were collected in 1999 from local visitors, in-state visitors who live greater than 60 miles from the beach, out-of-state visitors, and out-of-country visitors for five different sections of the beach, i.e. the Huntington Beach Pier, City Beach, North of the Pier, Huntington State Beach, and City Beach South End. The average daily expenditure per person varied from a low of \$5.77 at the City Beach South End to a high of \$23.41 at the main City Beach. The average expenditure at all five sections of beach was \$13.00 per person.

In other studies, non-market consumer surplus estimates range from a low of \$10.98 (in 2001 dollars) for visits to Cabrillo Beach in Los Angeles County to a high of greater than \$70.00 (in 2001 dollars) per person per trip for visits to San Diego beaches.

Chapman and Hanemann (2001) detail the economic issues raised in the case of the steam tanker American Trader, which spilled 416,598 gallons of crude oil off of Huntington Beach in 1990. The American Trader case went to trial and resulted in the first jury verdict for natural resource damages ever delivered in the United States. At the trial, the impacts of this disaster to general beach recreation and surfing constituted the bulk of the State's recreation claim regarding economic losses arising from the oil spill. The jury based its decision partly on a 1986 estimate of a consumer surplus of \$10.23 per person-day, adjusted for inflation to \$13.19 per person per beach trip at the time of the spill. Based on the estimated attendance data, the estimated lost beach recreation value presented to the jury was over \$10,000,000.

As shown above, coastal recreation has a dramatic impact on the economies of California and the nation as a whole. Thus, loss of beach due to shoreline protection of private property can have a detrimental impact on these economies. With respect to the economic value of Monterey's beaches, there have been no specific economic studies done regarding the per-person beach expenditures in the Monterey area. However, the American Trader case determined an approximate per-person consumer surplus value of \$13.00 per day in the Huntington Beach area. Given even the low rate of inflation, this amount would be \$1 to \$2 higher today. Although the beaches in the City of Monterey are not as highly developed as Huntington Beach, there are kayak and other rentals available, a large beachside hotel exists, as well as a number of other visitor amenities (restaurants, shops, etc.) nearby. In addition, the beaches in Monterey have a high non-market consumer surplus value because of the generally wide, sandy quality of the beaches, and their location in an urbanized area that is an extremely popular visitor destination along the Central California coast. The \$13.00 figure is probably a reasonable estimate for the consumer surplus of the beaches in the Monterey area. More recent research suggests that the figure will be somewhat lower for Southern California beaches, but given the relatively shorter beach in Monterey, \$13.00 is reasonable.¹¹ For these reasons, the Commission finds that a \$13.00 per-person per-day average beach expenditure is a reasonable and conservative estimate for the Monterey area.

Monterey State Beach consists of three separate beaches approximately two miles apart (City beaches and the Naval Postgraduate School (NPGS) beach are interspersed among these three sections of

¹¹ Personal communication with Dr. Linwood Pendleton, UCLA, September 27, 2004.



Monterey State Beach). The first section of Monterey State Beach extends from the edge of the municipal beach near Wharf #2 to the Naval Postgraduate School property (see Exhibit 2). The second portion begins directly adjacent to the eastern portion of the Ocean Harbor House property and extends to the Monterey Beach Hotel. The third section begins north of the Monterey Beach Hotel in the City of Seaside and extends to the City of Sand City. According to State Parks, activities along the three sections of Monterey State Beach (and thus at the interspersed City and NPGS beaches) include walking, beachcombing, kite-flying, volleyball, surfing, and kayaking. Fishing is also popular. According to State Parks data, the average estimated annual attendance at Monterey State Beach between 2001 and 2004 equaled 968,287 visitors. This estimate is based on extrapolations from car counts taken at the Monterey State Beach parking lot in Seaside. Thus, the estimate may be conservative because it may not include out-of-town beachgoers who park elsewhere, residents in the Del Monte Beach area who walk to the beach, beach users at the Monterey Beach Hotel who use the hotel's parking lot, etc.

The beaches between Wharf #2 and Sand City are functionally interrelated whether they are officially state beach, city beach, or NPGS beach. People using these beaches regularly traverse between the state beaches, the city beaches, and the NPGS beach. Ocean Harbor House is located approximately midway along the 2.5-mile stretch of beach between Wharf #2 and Sand City. To calculate the recreational economic value of an acre of beach between Wharf #2 and the end of Monterey State Beach at Tioga Avenue in Sand City, we need to determine the amount of beach acreage (as opposed to restored dune habitat, which is not available for active recreational use) present along this 13,200-foot (2.5-mile) stretch of beach. Then it is necessary to determine the number of visitors per acre of beach, based on State Parks attendance data. Finally, it is necessary to apply a per-person combined market value/economic surplus value for the average number of visitors per acre of beach. As stated above, the beach between Monterey State Beach at Wharf #2 and Monterey State Beach in Sand City is approximately 2.5 miles in length. Given an estimated average summer beach width of 200 feet (this amount includes only beachfront land, not dune habitat), this stretch of beach consists of approximately 60 acres of beach.¹² The number of yearly visitors per acre of this 13,200-foot stretch of beach is thus 15,978,¹³ which is equivalent to an average of 44 daily visitors per acre of beach.¹⁴ Given a \$13.00 per-person per visit surplus for beachgoers, an acre of beach in this area would be valued at \$207,714 per year.¹⁵

The existing beach in front of Ocean Harbor House is approximately one acre in size.¹⁶ According to the Applicant's engineer's estimate (Exhibit 15), the entire beach in front of Ocean Harbor House will be eliminated completely by 2054, for both the summer/fall and winter/spring profiles. Thus after

¹² 13,200 ft. x 200 ft. = 2,640,000 sq. ft.; 2,640,000 sq. ft./43,560 sq. ft per acre = 60.6 acres.

¹³ 968,287 annual visitors/60.6 acres of beach = 15,978 annual visitors/acre of beach.

¹⁴ 15,978 annual visitors/acre of beach divided by 365 days/year = 43.77, or 44 daily visitors/acre of beach.

¹⁵ \$13.00/person x 15,978 persons/acre/year = \$207,714/acre/year.

¹⁶ The distance from the mean high tide line to the buildings is approximately 100 feet; the linear distance along the Ocean Harbor House property line is approximately 435 feet; 100 feet x 435 feet = 43,500 sq. ft. One acre = 43,560 sq. ft.



construction of the seawall, an average of 870 sq. ft. of the existing beach will be lost annually.¹⁷

A loss of 870 sq. ft. of beach per year is equivalent to an economic loss of approximately \$4,148 per year.¹⁸ Thus, in the first year an appropriate mitigation fee would be \$4,148. In the second year, another 870 square feet of beach would be lost due to development of the seawall, in addition to the original 870 square feet of beach that remains lost from the first year. Thus, in the second year, an appropriate mitigation fee would be \$8,296. Each successive year would add another \$4,148 to the total from the previous year's total because the project will need to mitigate for the cumulative beach loss over time. Thus, after 50 years, the cumulative fee paid over those 50 years would equal approximately \$5.3 million. At the end of 50 years, if the seawall remained in place, the annual fee thereafter would be equal to that required in year 50, i.e., \$207,411. In addition, if the mitigation fee were to be paid over time instead of a one-time amount up front, the mitigation fee would need to be tied to the Consumer Price Index (CPI) to account for inflation over the life of the project. Of course, if the cumulative fee were paid in year one, the present value of the fee would be much lower.

d. Conclusion

The proposed project will result in the eventual loss of approximately one acre of public beach in front of Ocean Harbor House. The Applicant has not proposed any mitigation for this impact that the Commission finds would result in adequate mitigation for this loss of public beach. The Environmental Impact Report for the project and Commission staff analyzed a variety of project alternatives, some of which would maintain the recreational beach area at this location (see Exhibit 9), and found that these alternatives are infeasible. In addition, there are no feasible mitigation options for supplementing beach area in the near vicinity of the proposed project. Given that there are no feasible mitigation options to maintain or create beach onsite or offsite, the Commission is requiring payment of an in-lieu fee by the Applicant as partial mitigation for the loss of public recreational beach area due to the proposed project (nothing will fully mitigate the beach loss caused by the proposed project). This in-lieu fee will be used to acquire new public recreational land in the vicinity of the project.

There are a variety of ways of placing a specific value on beach land. As discussed above, one method includes determining a beach sand volume that represents the area of lost beach, and converting this to a dollar figure based on the cost of sand. This method, though, which results in a fee of approximately 1.5 million dollars, is not directly tied to the recreational value of the land. Yet, the sand volume fee is likely a very conservative estimate of the cost of mitigating actual beach loss, given that it is based on a one-time mitigation of a specific amount of sand being placed on the beach. To retain the beach in front of Ocean Harbor House, this mitigation would have to be repeated numerous times over the 50-year life of the project because high tides and storm surge wave run-up would regularly remove this sand from the beach. In addition, this mitigation is not feasible because there is not an existing sand replenishment program in the southern Monterey Bay area.

¹⁷ 43,500 sq. ft./50 years = 870 sq. ft./year

¹⁸ 870 sq. ft./year divided by 43,560 sq. ft./acre = 0.019972 acres of beach loss per year due to construction of the seawall; 0.019972 acre x \$207,714/acre/year = \$4,148 year economic value lost due to the seawall.



The second method involves determining the real estate value of beachfront properties. This method includes a high variability of land values due to location of the property for sale, e.g., urban areas are more expensive than rural areas. This method suggests that it could potentially cost approximately \$1,000,000 for an acre of recreational land in the vicinity of the project. However, due to the variability of land values and the high value of beachfront property, it is equally likely that an acre of recreational beachfront land will cost much more than \$1,000,000. Furthermore, this method does not adequately reflect the value of what is being lost, particularly the recreational value of the beach area over time, and would instead effectively represent a devaluation of public beach land.

The third method is determining the economic value of a beach due to its recreational significance. This method is the most attractive method because it is based on an analysis of actual beach recreational values in the vicinity of the project. This method is a more accurate reflection of what the state is actually losing as a result of this project. However, it also requires assumptions about the consumer surplus of a beach for beach goers. There is a growing amount of study-based literature available that establishes the significant market value of beaches to local, state, and national economies, as well as the intuitive non-market value of beaches for consumers. The methods used in these studies rely on current economic theory and application of beach valuation methods that have been conducted in southern and central California. The results of these studies have been used by the National Ocean & Atmospheric Administration, the Army Corps of Engineers, the National Park Service, etc., for valuing beach recreational land. The method, though, is likely conservative (underestimates) because it does not account for the value of non-quantifiable benefits of the recreational beach resource. Nor does it include other benefits such as potential habitat and aesthetic values. As explained above, after 50 years, the cumulative fee paid would equal approximately \$5.3 million. This fee would need to be adjusted for inflation as well, if implemented over the full 50-year life of the project. Also, after 50 years, if the seawall remained in place, the Applicant would need to continue to pay a yearly fee equivalent to that required in year 50. Of course, if the cumulative fee were paid in year one, the present value of the fee would be much lower.

Overall, as mentioned, the project EIR concludes that relocation of the most seaward condominium units would be the least environmentally damaging alternative. Nonetheless, the Commission finds that there are no feasible alternatives to protect the existing threatened condominium buildings at this location that would avoid some form of shoreline armoring that would also be consistent with the Coastal Act. In addition, there are no feasible mitigation options to actually maintain or create a new recreational beach in front of the OHH, and no specific new potential public recreational land in the vicinity of the project has been identified by the Applicant to mitigate the loss anticipated at the site. Without mitigation for this impact, though, the project cannot be found consistent with the Coastal Act requirement to protect maximum public access and recreation to and along the shoreline. The Commission is therefore requiring that the Applicant pay an in-lieu fee equivalent to the \$5.3 million fee based on the economic beach valuation method as described in Section III(C)(2)(c) of this report (see Special Condition #4). This fee shall be paid (beginning prior to commencement of construction activities pursuant to a fee schedule approved by the Executive Director) to the Monterey Peninsula Regional Parks District (MPRPD) for acquisition of shorefront land in the vicinity of OHH, to be used for public recreation. In light of the details concerning discounting for present value and adjusting for inflation, the Commission



delegates to the Executive Director the decision of whether the fee shall be paid up front or over time. There is no doubt that recreational beach resources in Monterey generally have a tremendous market and non-market social value. To address the specific value of the recreational beach land loss due to the project, the Commission has considered three different methods to estimate at least some of the quantifiable aspects of public recreational beach land value at this location. This includes consideration of the real estate market value of an acre of beach in the vicinity of OHH, the cost of supplying an amount of beach sand roughly equivalent to the beach area lost due to the project, and an economic valuation based on the estimated recreational value of the beach to individual consumers. The Commission is imposing a mitigation fee based on the economic beach valuation method because it is the method that most reflects the value of the beach lost as a result of the project. Thus the fee is both reasonably related, and roughly proportional, to the anticipated impact of the seawall on public recreational beach land. Overall, though, this fee must be considered only partial mitigation for the impacts of the proposed project, since no measure can prevent the loss of the existing recreational beach currently fronting OHH. In addition, while the application of the fee is intended to result in the acquisition of new public recreational land, given the contingencies of the real estate market and available land in the vicinity of the project, future acquisition of sandy beach area between the surf zone and the foredune, which is the type of land being lost due to the seawall, cannot be guaranteed. Still, with the required mitigation fee, the Commission can find that the project is consistent with the Coastal Act.

There are a number of ways the mitigation fee could be paid, including amortized and paid over the 50-year life of the project or the present-day value of the fee could be paid upfront prior to commencement of construction. There are several reasons why payment of the entire fee prior to commencement of construction activities may be desirable: 1) requiring payment of the fee upfront provides mitigation concurrent with the development of the seawall and the associated benefit for the Applicant; 2) if the mitigation fee were required to be paid over time as beach area is lost, it would take many years for the fee to equal an amount that would be substantial enough to provide a meaningful opportunity for the purchase of beachfront property for public use; 3) if the fee were collected over time as the beach erodes, the fee would need to be adjusted annually for inflation (e.g., tied to the Consumer Price Index), and; 4) obtaining the entire fee upfront prior to commencement of construction activities will eliminate the administrative costs and efforts of ensuring that the correct fee is collected and paid into the proper account on a yearly basis. Nonetheless, in light of the details involved with determining the present value of the fee and/or adjusting for inflation over time, the Commission delegates this determination to the Executive Director, while also finding that the fee should be used to acquire beachfront property.

In the 30 years since its inception, MPRPD has preserved and protected over 20,000 acres of parklands and open space in Monterey County. While Garland Ranch Regional Park, located in Carmel Valley, and the Monterey Bay Coastal Trail are the most notable, there are many lesser known District parks and preserves that contribute significantly to the quality of life for local residents and visitors alike. Examples of these in the vicinity of Ocean Harbor House include 35 acres of previously industrially-used dunes purchased by a coalition of agencies in 1991 and added to Monterey State Beach, as well as the Landfill Dune Preserve in Sand City, which consists of beach and restored coastal dune habitat, and includes a section of the Monterey Bay Coastal Trail along the bluff top of the property. MPRPD



personnel have expressed interest in purchasing additional beach and dune habitat property in Sand City, which is located approximately one mile upcoast from the Ocean Harbor House condominiums. In the near future almost half of Sand City's dunes are expected to be acquired by the Park District and turned over to State Parks for restoration and addition to the Monterey Bay State Seashore for open space and recreational use, as well as for endangered species habitat.

Nothing can completely mitigate for the loss of the beach in front of Ocean Harbor House due to development of the proposed seawall. Thus, the above-discussed mitigation fee only partially mitigates for the loss of public beach in front of Ocean Harbor House due to development of the seawall and is based on an estimated 50-year life of the project. If the seawall continues to exist after 50 years, additional mitigation will be necessary to help offset the continuing impacts to public access that will result if the seawall remains in place after 50 years. Special Condition #10 requires that the Applicant maintain and repair the seawall as necessary for the life of the project, and also requires the Applicant to apply for a coastal development permit (CDP) for each repair and maintenance episode. Thus, the appropriate time to assess additional mitigation fees for continued loss of public access and recreation use beyond the first 50 years of the seawall's existence will be at a time in the future when the Applicant applies for a CDP for repair and maintenance of the seawall.

In addition to the access impacts discussed above, the proposed seawall project will require the movement of large equipment, workers, and supplies through State Parks property and the public City beach to complete the six phases of the project. Impacts to access and recreation from construction activities include: large equipment operations on the recreational beach area fronting the site; loss of recreational beach area to a construction zone (at the immediate project area); potential encroachment on Sanctuary waters (depending on tides); and general intrusion and negative impacts on the aesthetics, ambiance, serenity, and safety of the recreation beach experience. These impacts can be contained through construction parameters that limit the area of construction, limit the times when work can take place (to avoid weekends when recreational use is highest), clearly fence off the minimum construction area necessary, keep equipment out of Sanctuary waters, require off-beach equipment and material storage during non-construction times, and clearly delineate and avoid to the maximum extent feasible beach use areas. A construction plan is required for this purpose (see Special Condition #5). In addition, Special Condition #6 requires that the beach area be restored to its original configuration immediately following construction, to limit these impacts. Finally, Special Condition #16 assures that future owners of condominiums will have notice of all the terms and conditions of this approval, including the public access and recreation conditions, by requiring a deed restriction designed to record the project conditions against the affected property. With these conditions, the public access and recreation impacts of the proposed seawall project are mitigated to the maximum extent feasible.

3. Visual Impacts

Coastal Act Section Coastal Act Section 30251 provides for the protection of scenic and visual qualities of the coast and states, in part:

30251. The scenic and visual qualities of coastal areas shall be considered and protected as a resource of public importance. Permitted development shall be sited and designed to protect



views to and along the ocean and scenic coastal areas, to minimize alteration of natural land forms, to be visually compatible with the character of surrounding areas, and where, feasible, to restore and enhance visual quality in visually degraded areas. New development in highly scenic areas such as those designated... by local government shall be subordinate to the character of its setting.

Similarly, Coastal Act Section 30240(b) also protects parks and recreation areas from significant visual degradation. Section 30240(b) states:

30240(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.

Del Monte Beach LUP Visual Resources Policies 4 & 5 state, in part:

4. To enhance their aesthetic value, sand dunes throughout the LCP area shall be protected or restored where feasible, depending on their current condition including:... b. restoration and replanting of dunes within open space areas on the State Parks beach property, the City Beach property and the open space/habitat areas of the Del Monte Beach resubdivision (see Policy 1 in Environmentally Sensitive Habitat Areas section).

5. The lateral views along the shoreline shall be protected and enhanced by preserving the continuity of the beach, and, where feasible, widening the eventual open space strip along and behind the beach...

The Del Monte Beach LUP area shoreline is crescent shaped, with lateral views upcoast and downcoast readily available. The seaward units of the Ocean Harbor House condominium development are highly visible from many points on the beaches in Monterey, Seaside and Sand City, including from Monterey State Beach. The project site is in the regional viewshed of the Monterey Bay. The Del Monte Beach LUP recognizes the beach zone interface between the Bay and the shoreline land as the dominant landscape element of the area's aesthetic character. Two public use areas, the State Parks land adjacent to the site on the east and the directly adjacent City of Monterey beach provide the most accessible public Bay viewing points in the Del Monte Beach LUP area.

The project description includes the complete removal of the riprap revetment (see Exhibit 3) from the public beach directly seaward of the oceanfront condominium units. In addition, the seawall will be located completely on the Applicant's property and will be directly adjacent to the existing foundation of the condominium complex. The seawall will also be textured to mimic a bluff face to lessen its visual impact (see Exhibit 10). Thus, initially, the immediate result of the proposed project will provide a beneficial impact due to the removal of the large, unsightly riprap development and development of a less visually obtrusive seawall. Over time, however, the protective seawall will cause passive erosion, resulting in a peninsula effect, leading to the gradual loss of the beach in front of the seawall. Thus, the beach fronting the seawall structure will be permanently lost. In addition to the public access and



recreation impacts of the peninsula formation, there will be an impact to the visual character of the site as the beach is gradually lost in front of the seawall and the shoreline moves landward on either side of the development.

Although the Ocean Harbor House complex (as well as the existing riprap) on the edge of the dunes somewhat disrupts the continuity of the shoreline, there is a strong sense of open space due to the continuous unobstructed beach. This continuous beach is considered to be an important contribution to the visual character of the area. The loss of this continuity through the anticipated peninsula effect of the proposed seawall was determined to be a significant unavoidable impact in the EIR, with no feasible mitigation measures available to compensate for the long-term visual impact, other than alternatives to the project (which have been determined to be infeasible – see Section III.C.1a above). The Applicant has provided visual simulations that show the proposed seawall colored and textured to mimic a bluff face (see Exhibit 10). This will reduce the visual impacts of the seawall to some extent, although it will not be possible to fully mitigate the visual impacts given that the surrounding area is composed of sand dunes and not solid bluffs or cliffs. However, to reduce the visual impacts of the proposed seawall as much as possible, Special Condition #7 requires that the seawall be faced with a sculpted concrete surface that mimics, to the greatest extent feasible, the color and texture of the adjacent sand dunes. In addition, Special Condition #8 requires that after a small test section has been faced and allowed to cure to its final expected color, configuration, and texture, the Permittee shall notify Commission planning staff to arrange for a site visit to verify that the seawall facing approximates the approved expected finished facing product required in Special Condition #7. Furthermore, to soften the look of the seawall, Special Condition #9 requires that planter boxes be incorporated along the top of the seawall and that these planter boxes be planted with native, cascading plants that tolerate seaside conditions. Finally, Special Condition #10 requires that the Applicant maintain the new seawall, including the visual treatments and cascading landscaping, for the life of the project. With these conditions, the visual impacts of the proposed seawall project are mitigated to the maximum extent feasible.

4. Environmentally Sensitive Habitat

The Coastal Act is very protective of sensitive resource systems such as dunes and other environmentally sensitive habitat areas (ESHAs). The Coastal Act defines environmentally sensitive areas as follows:

Section 30107.5. "Environmentally sensitive area" means any area in which plant or animal life or their habitats are either rare or especially valuable because of their special nature or role in an ecosystem and which could be easily disturbed or degraded by human activities and developments.

Almost all development within ESHAs is prohibited, and adjacent development must be sited and designed so as to maintain the productivity of such natural systems. In particular, Coastal Act Section 30240 states:

Section 30240(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.

Section 30240(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.

Del Monte Beach LUP Environmentally Sensitive Habitat Policies 1, 2, & 4 state, in part:

- 1. Environmentally sensitive dune habitat areas shall be protected from development and fragmentation by implementing protection standards. Protection standards shall include, but need not be limited to: a. Encouraging retention of open space through deed restrictions or conservation easements; b. Restricting land disturbance and the removal of indigenous plants to the minimum amount necessary for structural improvements; c. Requiring incorporation of appropriate mitigation measures such as setbacks, buffer strips, native landscape plans, drainage control plans and restoration plans; d. Requiring landscaping and maintenance with native coastal dune plants in development proposals and elimination of invasive non-native species, e.g. iceplant and dunegrass.*
- 2. In areas of dunes habitat, a dune restoration program shall be required as a condition of approval for any new development...*
- 4. For any proposed development in the environmentally sensitive habitat areas of the Del Monte Beach area, as shown in, but not limited to, Figure 3A, a resource survey shall be conducted, according to established protocols, for all sensitive species, including dune plants, snowy plover, black legless lizard, and marine mammals known to occur in the vicinity.*

The Ocean Harbor House condominium complex is located in the Del Monte dunes portion of the Monterey Bay dune system (also known as the Seaside dune system). All substantial undeveloped areas within this strand of high dunes represent environmentally sensitive habitat, in various stages of disruption or recovery. Because the dune habitat ecosystem is a rapidly diminishing resource and is so easily disturbed, it is an acknowledged environmentally sensitive area. To properly recover and preserve viable dune habitat requires large contiguous tracts of dune for the establishment of a diverse native dune habitat.

Although much of the Monterey Bay dune complex has been disturbed, areas of high quality dune habitat remain. For example, extensive dune restoration has taken place on the Naval Postgraduate School property, which is located downcoast from Ocean Harbor House. In addition, State Parks has restored portions of the dunes on the Monterey State Beach property directly east of Ocean Harbor House. Construction activity for the proposed seawall will occur on the Ocean Harbor House property with construction/access zones located on City of Monterey property and State Parks property (see Exhibit 6, pp. 3-5), with possible detrimental impacts to these areas.

The area directly north of the seaward buildings at Ocean Harbor House, which is the area proposed for development of the new seawall, is dynamically active and devoid of vegetation and native dune habitat



due to natural erosion from tidal impacts and wave run-up, as well as the placement of existing riprap. However, construction of the proposed seawall will impact several vegetated areas, including an area adjacent to the City of Monterey dune restoration area, portions of the common areas between the seaward buildings, and a portion of the adjacent State Parks property, through which it will be necessary to access and remove riprap. A biological assessment determined that the total construction impact area would be approximately 8,500 square feet. Through field surveys, this assessment also determined that there were no endangered, threatened or listed plant species identified on the Ocean Harbor House property or the portions of the adjacent properties that will be impacted by construction. The proposed project includes restoration of the areas impacted by construction with native dune vegetation that will integrate with existing native dune vegetation on the City of Monterey and California State Parks properties (see Exhibit 11 for an outline of the proposed landscaping plan). The proposed landscaping plan is intended to improve dune habitat and provide sand stabilization. Restoration landscaping activities on the adjacent City Park property will be coordinated with the City after the proposed sanitary sewer line relocation and storm drain improvements are completed. Special Condition #11 requires submission of the dune restoration plan to the Executive Director for review and approval.

The western snowy plover (*Charadrius alexandrinus nivosus*) is a federally listed (threatened) shorebird known to use dune areas as nesting habitat. The intertidal zone and bare beach areas may be used as breeding and foraging areas. According to the EIR, snowy plovers were not found during a biologist's visit to the proposed project site and associated construction areas. The adjacent State Park land, however, has been known to support the snowy plover and is proposed as a Habitat Conservation Area for the protection of species of special concern, including the western snowy plover. According to USFWS, human activity continues to be a key factor adversely affecting snowy plover coastal breeding sites and breeding populations in California. Projects and/or construction activities that cause, induce, or increase human-associated disturbance during the plover's breeding season (March 1st to September 14th) adversely impact snowy plovers. To ensure that nesting snowy plovers are not disturbed by the proposed development, Special Condition #12 requires that construction activities for the seawall project commence after September 15th and that all construction activities shall be completed before March 1st, unless approvals are obtained from U.S. Fish & Wildlife Service, California Department of Fish & Game, and State Parks.

The proposed seawall project would occur in the range of the California black legless lizard, which is a state listed Species of Concern. Species of Special Concern are species that have been identified by the California Department of Fish & Game as having limited distribution or the extent of their habitat has been reduced substantially, such that threats to their populations may be imminent. These species may receive special attention during environmental review, but do not have statutory protection. The range of the black legless lizard is restricted to a small area of Monterey County; a second population has been recorded in the Morro Bay area. The lizards tend to inhabit areas of loose soil such as sand dunes and sandy canyon bottoms, and prefer areas with scattered scrub vegetation and leaf litter. No black legless lizards were observed during reconnaissance surveys on the proposed project site. The habitat value for lizards was found to be very poor on the project site. However, the site is consistent with the range and general habitat of the black legless lizard. Thus, Special Condition #13 requires that the project site be surveyed for these lizards by a qualified biologist prior to the commencement of construction, and on a



daily basis until grading is completed. If found, the lizards must be captured and immediately placed into containers with moist paper towels, and released in similar habitat on undisturbed portions of the site at the same depth in the soil as when found. With this condition, as well as the conditions discussed above, the proposed project is consistent with the environmentally sensitive habitat policies of the Coastal Act.

5. Other Approvals

State Parks will need to issue a "right-of-entry" permit to the Applicant for the encroachment activities due to construction. Special Condition #14 requires the Applicant to provide evidence that State Parks has issued the "right-of-entry" permit. In addition, Special Condition #3 requires the Applicant to consult with State Parks staff regarding the eastern section of proposed public access through the Ocean Harbor House parking lot and down to the beach (see Exhibit 8). If the trail down to the beach encroaches onto State Parks property, the Applicant will need to provide evidence of a permit from State Parks to build and maintain this portion of the accessway.

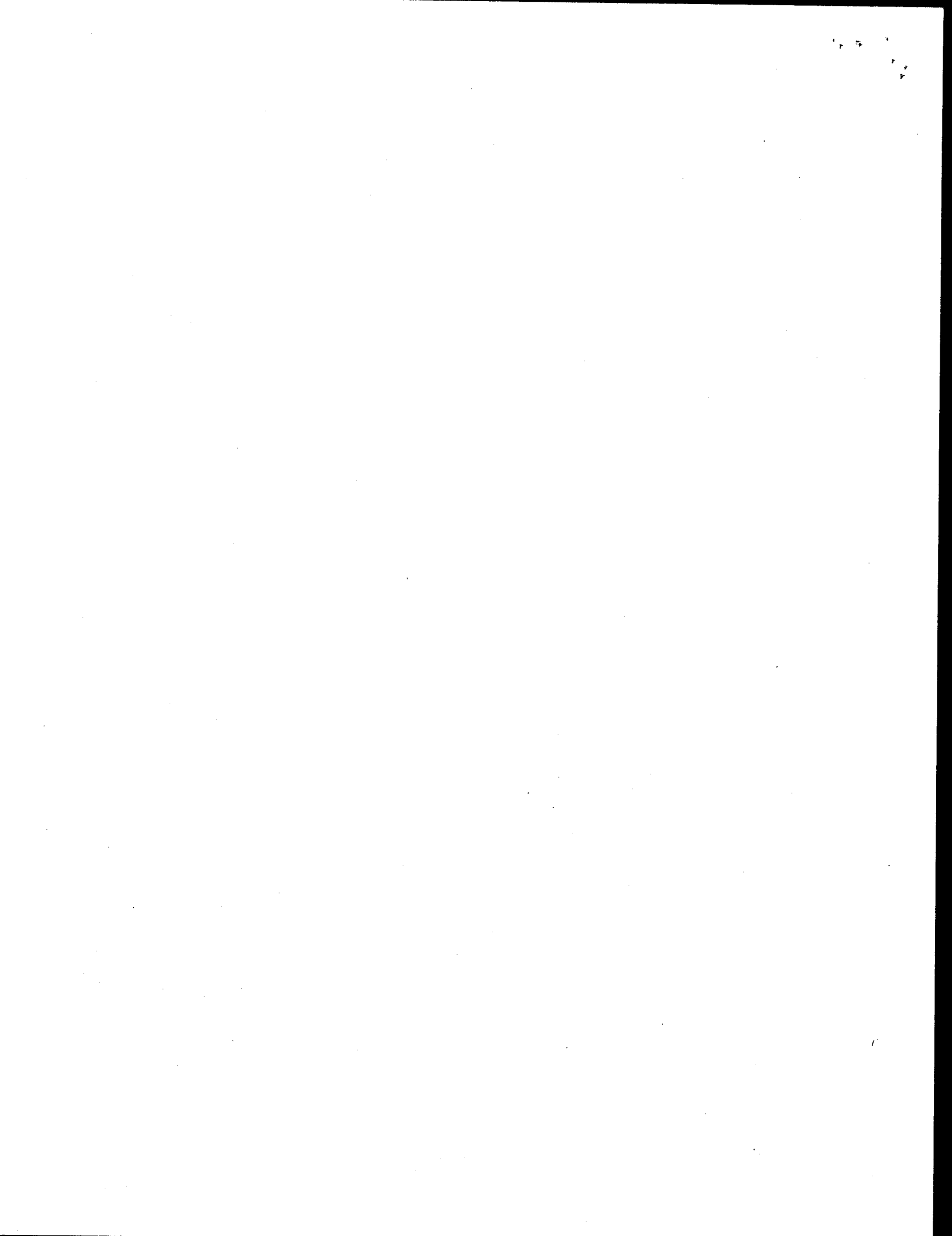
At this time, waters of the Monterey Bay sometimes occupy the seawall project area (during the winter, e.g.). In the future, with peninsula formation, the waters of the Monterey Bay will regularly occupy the seawall project area. Thus, the proposed project may require Monterey Bay National Marine Sanctuary approval. Special Condition #15 requires that the Applicant submit a copy of the Monterey Bay National Marine Sanctuary (MBNMS) permit, letter of permission, or evidence that no MBNMS permit is necessary.

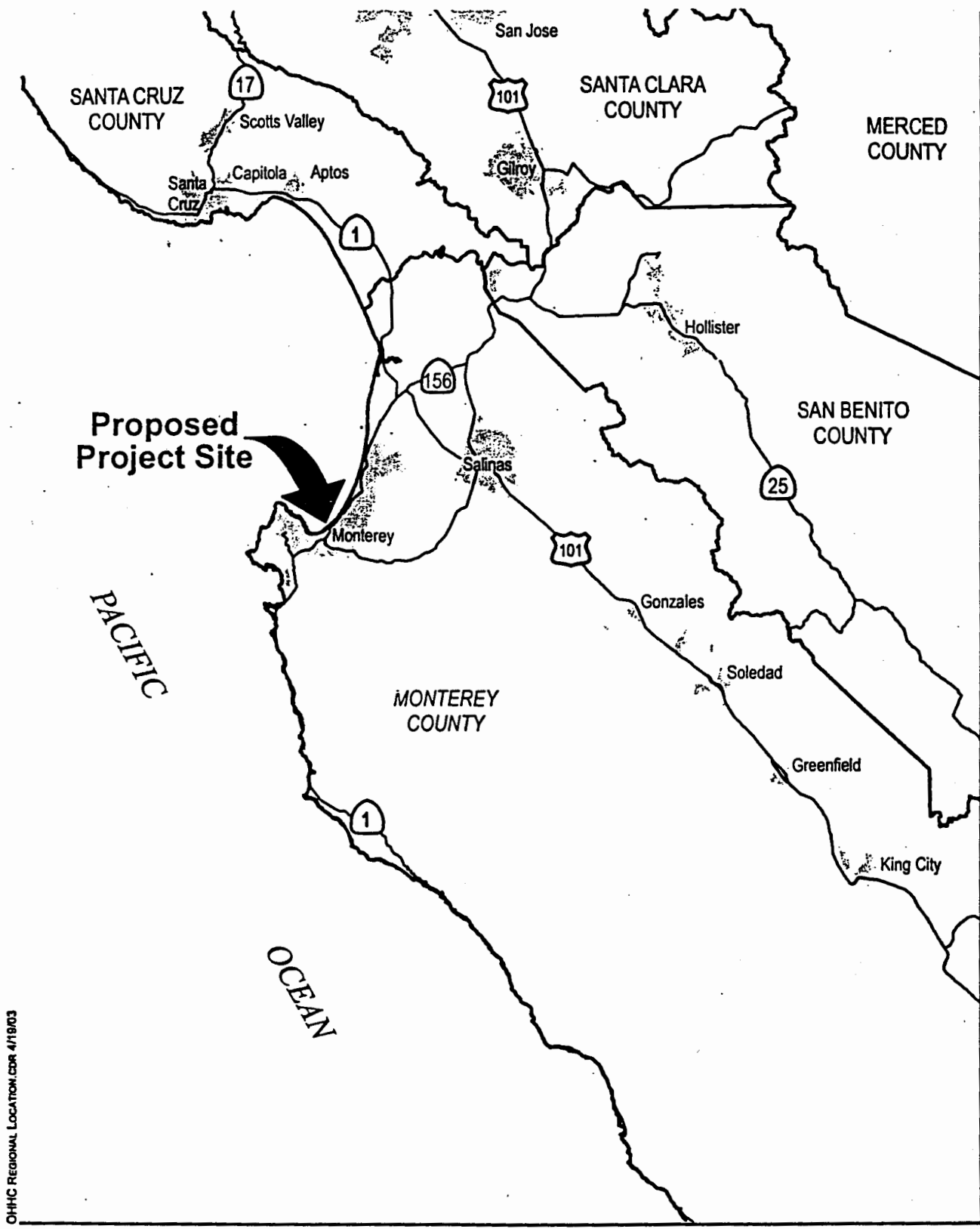
6. California Environmental Quality Act (CEQA)

Section 13096 of the California Code of Regulations requires that a specific finding be made in conjunction with coastal development permit applications showing the application to be consistent with any applicable requirements of 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 Coastal Commission's review and analysis of land use proposals has been certified by the Secretary of Resources as being the functional equivalent of environmental review under CEQA. This staff report has discussed the relevant coastal resource issues with the proposal and in accordance therewith, the Commission has imposed appropriate mitigations to address adverse impacts to said resources. There are no additional full mitigation measures available that would substantially lessen the significant adverse impacts of the project proposal. As such, the Commission approves the project, subject to special conditions, pursuant to CEQA Section 21080.5, which allows approval of a project if there are no feasible alternatives or mitigation measures to reduce environmental impacts.





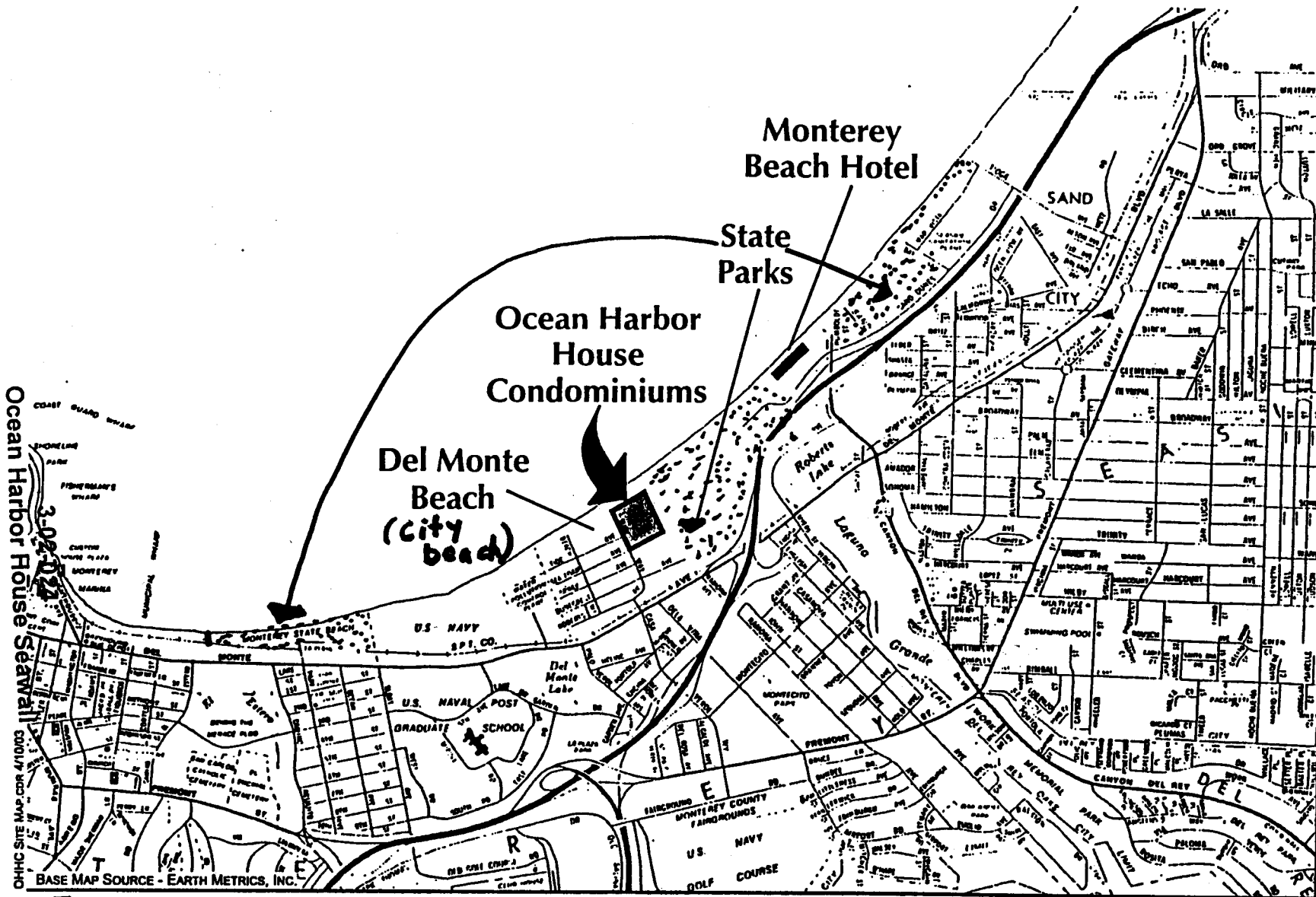


OHHC REGIONAL LOCATION.CDR 4/18/03



3-02-024
Ocean Harbor House Seawall

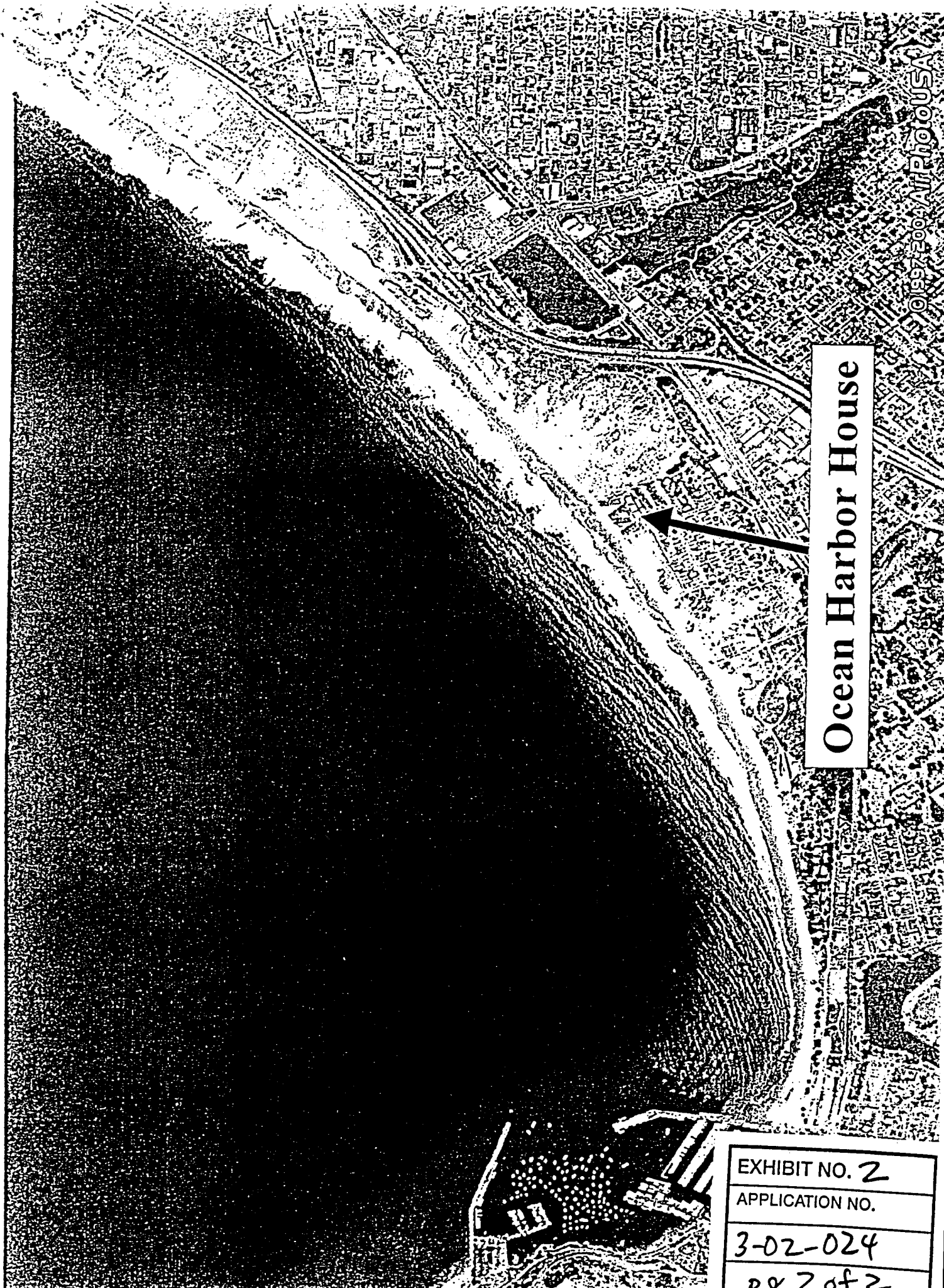
FIGURE 1
REGIONAL LOCATION
Exhibit 1
PMO



OAHHC SITE MAP CORR. 4/14/12
 Ocean Harbor House Seawall

Exhibit 2
 of 2
 Scale in Feet
 0 500 1000
 N

FIGURE 2
SITE LOCATION
PMC



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Ocean Harbor House

EXHIBIT NO. 2
APPLICATION NO.
3-02-024
pg 2 of 2

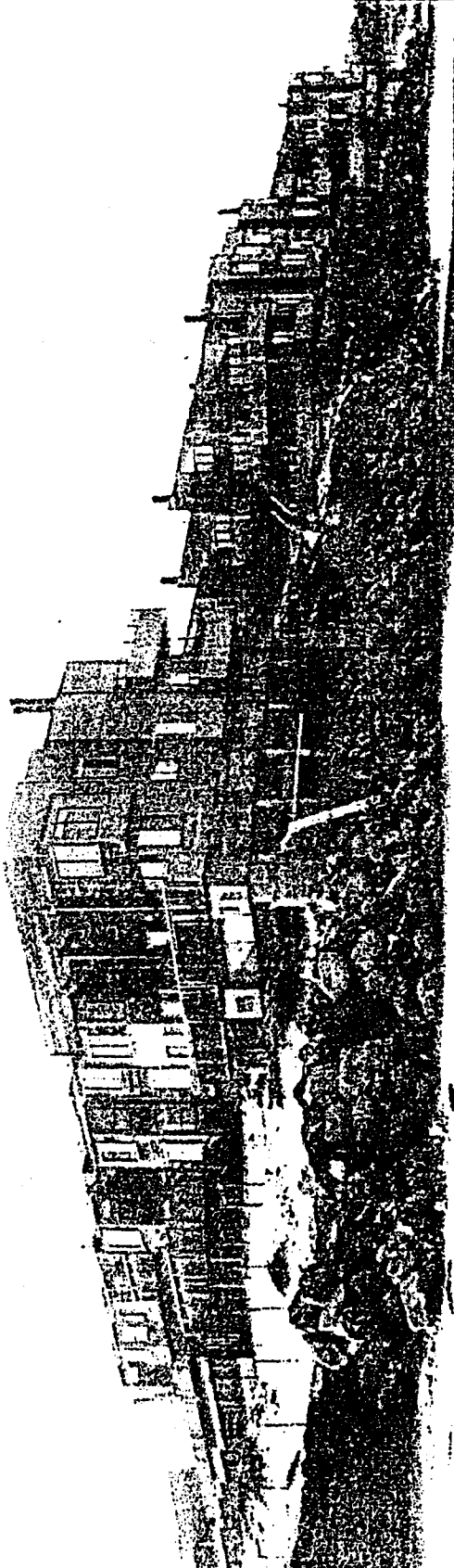


FIGURE 6A
EXISTING CONDITION - PERSPECTIVE "1"

PMC

SOURCE: DESIGN WORKSHOP, INC., 4/15/03 PHOTO DATE: 2/7/03

NO SCALE

Exhibit 3
pg. 1 of 1

3-02-024

EXISTING 1 CNR 4/21/03

January 6, 2004

**CITY COUNCIL
STATEMENT OF OVERRIDING CONSIDERATIONS
OCEAN HARBOR HOUSE SEAWALL**

THAT CITY COUNCIL OF THE CITY OF MONTEREY adopts and makes this statement of overriding considerations concerning the Project's unavoidable significant impacts to explain why the Project's benefits override and outweigh its unavoidable impacts.

WHEREAS the owners of the Ocean Harbor House propose to construct a reinforced concrete seawall, the Project, to protect the seaward units from storm waves and coastal erosion (see 5/12/03 Site Plan).

WHEREAS an Environmental Impact Report was completed and circulated on the Project which determined that the Project would result in two significant and unavoidable impacts, including:

- A. Over the long-term, construction of the proposed seawall may cause a substantial negative aesthetic impact to, or "sense of loss" of, the existing visual character of the site and its surroundings. The project combined with other similar projects in the area will result in a cumulative negative aesthetic impact to the existing visual character of the site and nearby coastline.
- B. Over time, construction of the proposed seawall and armoring this section of the coast will result in an erosive condition that will further result in the loss of the beach width fronting the seawall.

WHEREAS the Environmental Impact Report further determined that there are no feasible mitigation measures for these impacts that can reduce the impact to a level of insignificance other than the project alternatives discussed in Section 4.0 of the report.

However, the above stated significant impacts are overridden by the unprecedented substantial benefits this Project brings to the City of Monterey.

Safety Benefits

Ocean Harbor House is a legally built existing structure in danger from storm waves and shoreline erosion. The California Coastal Commission has ordered the removal of the existing riprap revetment by November 2004. The Ocean Harbor House will be in imminent danger of structural failure upon removal of the rock riprap revetment. The building and residents will then be exposed to wave action, particularly during storm wave periods over the next storm cycle if nothing is done. The Project impacts are outweighed by the safety benefits that the City will receive in the protection the Project will provide the building and residents of the Ocean Harbor House and the citizens of the City of Monterey.

Currently, storm conditions close off the beach in front of the existing riprap revetment and seaward units of Ocean Harbor House. The existing large rock riprap revetment currently protecting Harbor House is a safety hazard to beach goers. It is anticipated that, due to continued beach erosion after removal of the rock riprap revetment, the beach will narrow, raising the risk of injury to beachgoers that may be caught between the high surf and the building. The Project impacts are outweighed by the safety benefits for beachgoers to be

provided safe, lateral long-term access around a hazardous area between the high tide and building.

Public Access Benefits

Lateral public access will be reduced and ultimately eliminated upon removal of the 550 foot rock riprap revetment which is located on the public beach due to inundation in front of and under the building during storm periods. Alternative public access solutions were analyzed by the City. The alternative of locating an elevated walkway on top of the 434-foot seawall was explored. Such a walkway would extend over public property and would require closure during storm periods. Alternative year around, safe public access of 930 feet through the City Park, Harbor House parking lot and State Park will be provided by the Project which will benefit beachgoers and the citizens of Monterey and outweigh the impact of losing public access due to storm waves and the peninsula effect.

Various types of public access have been historically provided in Monterey where access needs to be restricted or controlled in environmentally sensitive areas, in hazardous areas, in areas where there is potential for damage to private properties, such as the canneries in Cannery Row and in areas where public access could conflict with emergency needs such as those of the Coast Guard.

In this Project, public access needs to be restricted and controlled due to the hazardous storm periods and due to potential damage to privately owned Ocean Harbor House. It is an acceptable level of public access to the City of Monterey for beach goers to have access to the City Park and State Park on each side of Ocean Harbor House and that Harbor House provide public access through their parking lot short of providing access to the Regional Recreation Trail and Del Monte Avenue public access some distance south of the site.

Aesthetic Benefits

Following completion of the Ocean Harbor House EIR, comments were received from the public and City Architectural Review Committee resulting in the proposed redesign of the Project to imitate a beach dune. The City Council has received testimony and evidence that such redesign is feasible and have added a Condition of Approval that the Project shall be redesigned to imitate a beach dune in color and texture subject to review and approval by the Architectural Review Committee. This practice has been followed historically in Monterey by redesign of retaining walls, street medians and other public safety structures in the Harbor and Downtown area to resemble natural landscape features. It is an aesthetic benefit to the public and citizens of Monterey for the Project to be redesigned to resemble the natural landscape feature of a sand dune.

Social Benefits

The Project will preserve 124 oceanfront residential units, which provide housing to residents of the City of Monterey. The City controls 22 of the units as affordable housing. The Project will therefore preserve a significant number of market rate as well as affordable housing units in the City's housing stock which address Monterey's fair share contribution to regional housing needs and provides market and affordable housing to Monterey citizens. The project will prevent the displacement of those residents, the relocation costs and impact on other housing stock at a time when housing is a significantly scarce resource on the Monterey Peninsula and Monterey Bay region.

Economic and Fiscal Benefits

The Project will protect residential property in the City. The property owners of Ocean Harbor House are protecting their residences at their own cost, on the existing building footprint and on their own property. The Project will not consume public funds or public property. The City and other affected government agencies will continue to obtain significant economic benefits in the form of property tax that would otherwise be lost due to the potential destruction of 124 residential units.

Alternatives Considered

The City considered a range of reasonable project alternatives that could attain most of the objectives of the project including Beach Replenishment, Offshore Reefs, Sacrificial Sand Berm, Slope Armoring, Retaining Wall Repair, Foundation Underpinning and Relocation of Seaward Units. The Environmental Impact Report and the City Council analyzed the comparative merits of these alternatives in terms of feasibility, legal considerations, coastal protection, environmental impact, social, fiscal and economic impact.

In this case, the No Project Alternative is not a viable alternative because the existing threatened structures would not be protected absent the existing riprap revetment or some other form of armoring. Additional repair alternatives including Retaining Wall Repair, Foundation Underpinning are essentially piece meal armoring efforts that will continue as long as the building exists.

The Environmentally Superior Alternative, Relocation of Seaward Units Alternative, is estimated to cost \$17,500,000 to \$22,500,000 for the relocation of only 36 of the 124 threatened units. Such relocation costs could be considered a taking and result in the City of Monterey being held financially responsible for paying the costs to the property owners for the proportional property value loss of no longer having an ocean front property. Furthermore, relocation of the units landward within the same sand dune environment only results in the units again being threatened in the relatively near term future by additional shoreline erosion. This would result in the eventual loss of 124 housing units, displacing residents and impacting the City and regions housing stock. The City of Monterey finds that this is not a feasible alternative.

The next Environmentally Superior Alternative, Planned Retreat, would result in a phased vacation and demolition of 124 units. The City of Monterey has not adopted a planned retreat policy nor has a financial program in place to finance the costs of such a policy. The City of Monterey would suffer severe financial impacts if a planned retreat alternative were selected. Furthermore, 124 housing units would be destroyed, displacing residents and impacting the City and region's housing stock. The City of Monterey finds that this is not a feasible alternative.

Other alternatives considered, including Beach Replenishment, Offshore Reefs and Sacrificial Sand Berms, constitute regional solutions and impact state and national resources. Relocating sand from the Monterey Bay National Marine Sanctuary to the shoreline violates National Marine Sanctuary regulations. Altering the Monterey Bay seabed to locate an Offshore Reef violates National Marine Sanctuary regulations. These alternatives have not proven to be feasible in Monterey Bay. Moreover, these are regional solutions that would affect and preserve the shoreline beyond the project site and justify regional cost sharing and intergovernmental cooperation and coordination. No such program is in place and may take a number of years for

January 6, 2004

City, Regional, State and National governments to prepare, adopt and implement such a program. The City of Monterey finds that these are not feasible alternatives.

The City finds that the alternative approaches are not feasible to produce a demonstrated alternative that protects the Project property without significantly greater environmental, social and economic impacts and the City finds that the proposed Project represents a feasible solution and reasonable balance between effective protection, legal considerations, social and economic costs and impacts to the coastline.

Regional Approach

The City Council finds that shoreline erosion issues related to existing public and private development between City Wharf #2 and the Seaside City limit is a regional issue and is not confined to a single property. The Council further finds that it is in the best interest of the entire region to anticipate a significant amount of beach erosion on Monterey beaches and to begin searching for alternatives to protect or relocate public and private structures. City Council finds that such alternatives are technically difficult, time-consuming and costly. National Marine Sanctuary, United States Naval Postgraduate School, California Coastal Commission, California State Parks, Monterey Regional Pollution Control Agency as well as City of Monterey will necessarily need to coordinate efforts to address the beach erosion issue between Wharf #2 and Seaside City limit. Upon adoption and implementation of a cooperative program, the Project may be revisited to determine if regional solutions are available to address armoring, sand replenishment or nourishment and coastal access issues on the Southern Monterey Bay shoreline and at Ocean Harbor House.

Conclusion

ACCORDINGLY, the City Council of the City of Monterey has balanced the benefits of the proposed Project against its two unavoidable and significant environmental impacts. The aesthetic impact has been further mitigated but not been fully satisfied because of the need to satisfy competing concerns. In the case of the peninsula effect impact, the Council has chosen to accept certain environmental impact because complete eradication of the impact purely for environmental reason would unduly compromise other important social, fiscal, economic and environmental goals or objectives. The City Council finds that the supporting documentation provide for a positive balance of the competing goals and the social, fiscal economic and environmental benefits to be obtained by the Project outweigh any remaining environmental and related potential detriment of the Project.

Based on the safety, social, fiscal and economic benefits and legal considerations set forth above, a statement of overriding consideration is appropriate pursuant to CEQA Guidelines Section 15093. Each benefit constitutes an overriding consideration warranting approval of the Project, independent of other benefits, despite each and every unavoidable impact.

INTRODUCTION

These coastal bluff stabilization plans have been prepared at the request of the Ocean Harbor House HOA. The location of the proposed work is on 1 Surf Way, Monterey California. In the areas where stabilization is proposed, the coastal bluffs are eroding and receding toward the improved areas of the Ocean Harbor House Development. The stabilization work consists of constructing tiedback concrete and sheet pile seawalls. The purpose of these coastal bluff stabilization plans is to eliminate bluff erosion and recession and to reduce the risk of damage to the Ocean Harbor House Development.

PURPOSE

The purpose of these coastal bluff stabilization plans is to reduce coastal erosion and recession and to reduce the risk of damage to the Ocean Harbor House Development.

GENERAL CONSTRUCTION NOTES

It shall be understood that Engineered Soil Repairs, Inc. or ESR (1267 Springbrook Rd. Walnut Creek, CA 94596), Contact: Steve O' Connor is the Civil Engineer for the project. Phone: (925) 210-2150.

All work shall be done in conformance with the 1997 Uniform Building Code as well as applicable federal, state, OSHA, county and city ordinances, amendments and rulings.

At least one set of plans shall be on site at all times for inspection.

Contractor shall verify all dimensions and existing field conditions. Discrepancies between drawings and field conditions, and/or omissions on the drawings shall be promptly brought to the attention of the engineer before proceeding work.

The proposed construction operation will take place at or near fence construction and other lines, property lines, and property improvements. These fence lines and improvements shall be maintained at all times during the construction operation.

Protective fencing and/or barriers shall be installed as shown on Sheets S-2, S-3 and S-4 to mark off construction access and work zones.

It shall be the contractor's responsibility to maintain control of the entire construction operation and to this end keep the work areas free from erosion. The contractor shall use Best Management Practices. (BMPs)

The existence and location of any underground utility pipelines or structures shown on these plans are obtained by a search of the available records and in some cases by field survey. Review of these plans by the City of Monterey does not constitute a representation as to the accuracy or completeness of the location or existence or non-existence of any underground utilities or structures within the limits of this project. The contractor is required to take all due precautionary means to protect the utilities and structures not of record or not shown on these plans.

The contractor shall notify all utility companies and request field location markings of facilities prior to commencing construction. Contractor shall be solely responsible for locating and protecting all underground facilities. Where potential conflict with underground utilities may constitute a safety hazard or interfere with the progress of the work, such facilities shall be hand excavated to determine their precise location. Such facilities include, but are not limited to: plumbing, sewer, electrical, gas, water and telephone lines.

Any underground structures such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells and pipe lines not located prior to construction shall be brought to the attention of the Civil Engineer for determination of appropriate action.

Contractor is responsible for providing an onsite offsite trailer, port-pottys, power and telephone service.

D. CONSTRUCTION SAFETY NOTES

- The contractor shall notify Underground Service Alert (USA) a minimum of 2 working days prior to any digging. Call 1-800-227-2600.
- The contractor will comply with all State, County and City laws and ordinances, and regulations of the Department of Industrial Relations O.S.H.A., and Industrial Accident Commission relating to the safety and character of work equipment and labor personnel.
- The contractor shall be responsible for keeping all public rights-of-way and off-site areas free from all dirt, mud, dust and debris at all times.
- Sanitary facilities shall be maintained on the site.
- Contractor to maintain safe egress into and out of the public beach and the condominiums at all times.
- Contractor shall provide all necessary protection of the buildings, sewer lines and any other utilities during construction.
- Contractor is responsible for all shoring. Shoring is to be per Cal OSHA requirements. Contractor to have open Cal OSHA trenching and excavation permit. Contractor to have certified, competent person responsible for trenching and shoring.
- Contractor responsible for keeping work area safe. This would include but not be limited to flagging off work area and covering trenches not being worked on.
- Equipment is to be in good working order.
- Contractor is responsible for the after-hours security of the work site, equipment and materials. The Ocean Harbor House Development will provide 10 parking stalls for an office space, sanitary facilities and storage area.

E. CONCRETE

- All concrete construction per uniform building code, Chapter 26.
- All concrete to obtain a 28 day compressive strength of 5000 psi.
- Cement shall conform to ASTM C150, Type V.
- Hard rock aggregates shall conform to ASSTM C33. Their maximum size shall be 1 1/2 inches for footings, castions and grade beams and 1 inch for all other work.
- Concrete cover at reinforcing shall be as follows:
 - Poured against the earth.....6" clear
 - Exposed to earth but poured against forms.....6" clear
- Reinforcing shall have a minimum lap of 40 bar diameters or 2'-0" whichever is larger, unless noted otherwise.
- All reinforcing steel, dowels, anchor bolts and other inserts shall be secured in position prior to pouring concrete.
- Continuous inspection is required for all concrete excess of 2000 psi.
- No wet cement shall be allowed to enter the Monterey Bay National Marine Sanctuary.

F. REINFORCING STEEL

- Reinforcing steel shall be epoxy coated and shall be new stock deformed conforming to ASTM A615
- Number 4 bars and smaller shall be Grade 40
- Number 5 bars and smaller shall be Grade 60
- All bends to be made prior to epoxy coating.

G. STAKING AND LOCATION

- The engineer shall locate new seawall locations and mark with stakes prior to construction, for review and construction by contractor.
- Layout: Reference points will be established by the engineer. These reference points will be used to control placement of the structures relative to structural features and to elevation.
- Locations of existing drain facilities are approximate. The contractor shall verify locations and protect, if within limits of work. The contractor shall plug, cap or reconnect/reinstall existing drainage facilities damaged during construction, as directed by engineer.
- Local survey control: spikes are set at each site for use as control points. Do not disturb spikes. Their elevations are shown on the plans. Vertical datum is in mean sea level.

H. MARINE PROTECTION

- To prevent any impacts upon the marine habitat within city or state beach areas, or the waters of the Monterey Bay National Marine Sanctuary, no overburden or wet cement may be allowed to enter these areas. Although construction activity will occur on the beach, such activity must be strictly confined to the area where the bluff stabilization structures will be constructed. Construction fencing shall be installed above the mean high tide as shown on Sheets S-3, S-4 and S-5. Any areas of loose or unstable soil must be stabilized immediately after other portions of the project are finished. Any heavy equipment operation must be conducted with care near the edge of the bluff to prevent the destabilization and additional erosion. Care must be taken so the coastal bluffs outside the work area are not damaged during construction.

I. BEST MANAGEMENT PRACTICES (BMPs)

The following mitigation measures are to control exhaust emissions from the diesel heavy equipment used for the construction projects:

- Operational measures, such as limiting time spent with the engine idling by shutting down equipment when not in use;
- On site construction/project manager shall be responsible for monitoring and assuring compliance
- A post project report shall be submitted to the City of Monterey's Engineer;
- Regular preventive maintenance shall be submitted to prevent emission increases due to engine problems;
- Use of low-sulfur and low-aromatic fuel meeting California standards for motor vehicle Diesel fuel; and
- Use of low-emitting Diesel engines meeting federal emissions standards for construction equipment.

The following mitigation measures are to control water and beach pollution from the State of California Department of Transportation Construction Site BMPs Manual.

- SS-1 (scheduling) and SS-2 (preservation of vegetation)
- SC-7 (street sweeping/vacuuming) and SC-10 (storm drain inlet protection)
- TC-1 (stabilized construction entrance/exit)
- NS-1 (water conservation practice), NS-6 (illicit connection, illegal discharge detection and reporting, NS-8 (vehicle & equipment cleaning), NS-9 (vehicle & equipment fueling), NS-10 (vehicle & equipment maintenance)
- WM-1 (material delivery & storage), WM-2 (material use), WM-3 (stockpile management), WM-4 (spill prevention and control), WM-5 (solid waste management), WM-6 (hazard waste management), WM-8 (concrete waste management), WM-9 (sanitary/septic waste management)
- Contractor shall be responsible for all site non-point source pollution control.
- Contractor shall be responsible for all equipment, personnel, material suppliers and subcontractors to be in compliance with all BMPs set forth in the approved Water Pollution Control Program (WPCP). These measures apply to all portions of project activity (eg. Construction zones, beach access ramp, beach/shoreline track, equipment & materials staging and stockpiling areas, materials hauling routes. The contractor shall designate specific individual (s) as the onsite responder for any & all inspections for WPCP compliance.

REVISIONS	BY

Project Notes
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

Engineered Soil Repairs, Inc.
 1267 Springbrook Road
 Walnut Creek, CA 94596
 Tel. No. (925) 210-2150
 Lic. # 668184



Date:	2/5/2004
Scale:	None
Drawn:	F.R.P.
Job:	50158
Sheet:	S-2

Exhibit 6
 Pg 2 of 32

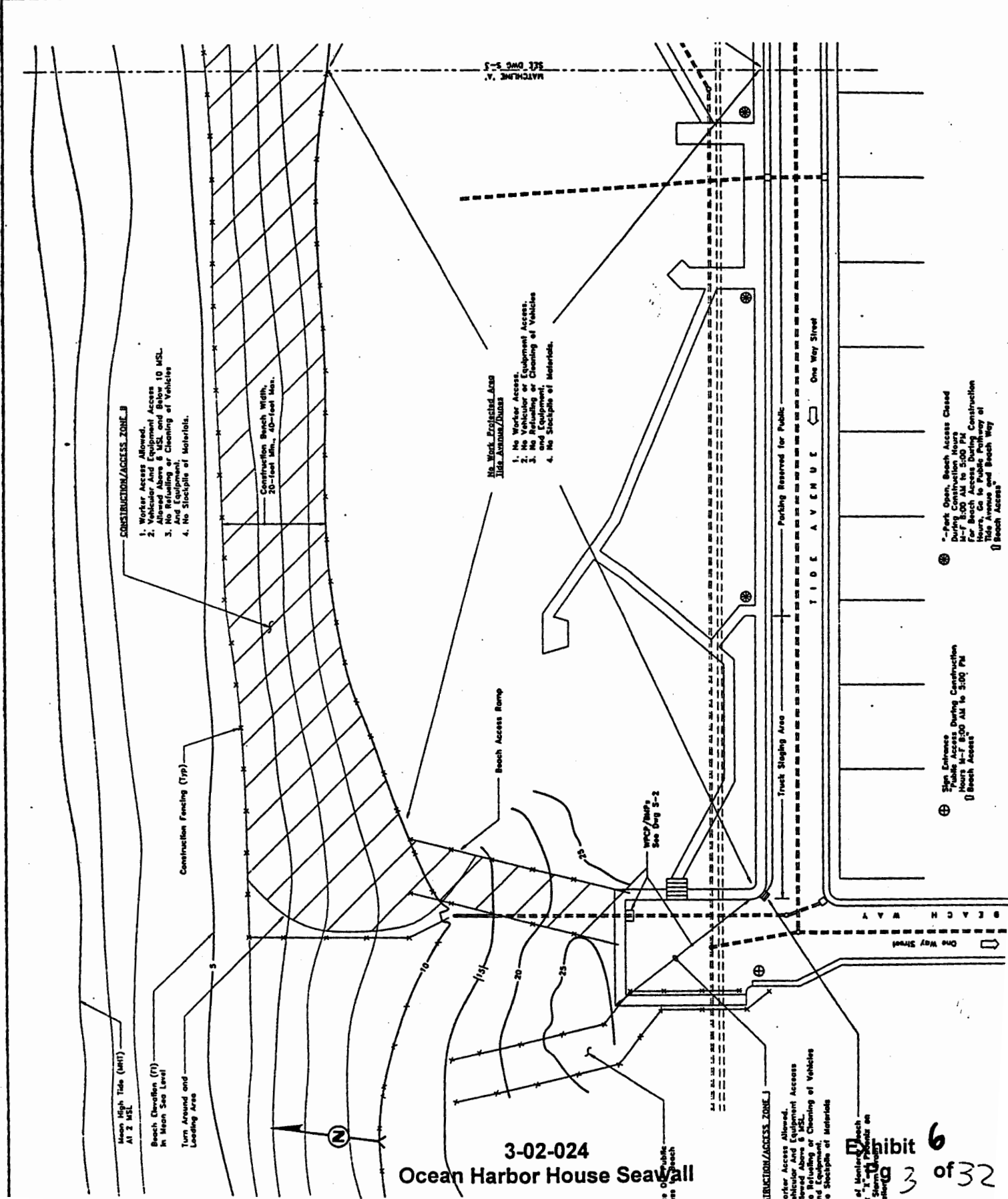
REVISIONS	BY

Del Monte Beach Park Exist. Conditions
 And Construction/Access Zones
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

Engineered Soil Repairs, Inc.
 1267 Springbrook Road
 Walnut Creek, CA 94596
 Tel. No. (925) 210-2150
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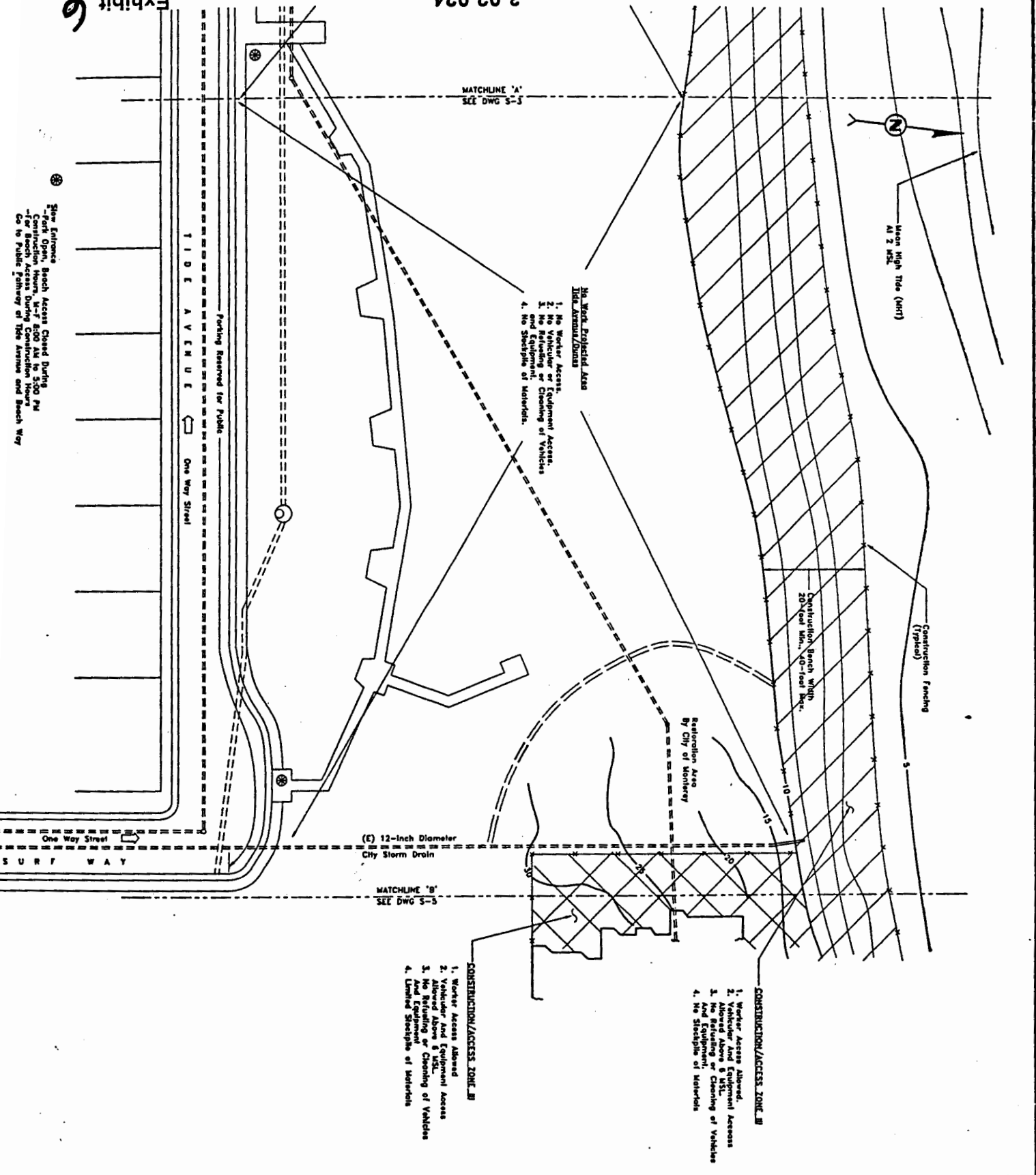
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 Job: 80158
 Sheets: S-3



3-02-024
 Ocean Harbor House Seawall

City of Monterey
 Monterey, CA
 Exhibit 6
 Page 3 of 32

- ⊕ Sign Entrance Public Access During Construction Hours 4-F 8:00 AM to 3:00 PM
 ⊖ Beach Access
 ⊖ Beach Access
- ⊕ Park Open, Beach Access Closed During Construction Hours 4-F 8:00 AM to 5:00 PM
 M-F 8:00 AM to 5:00 PM Construction Hours. Can for Public Entry of Tide Avenue and Beach Way
 ⊖ Beach Access



Engineered Soil Repairs, Inc.
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Walnut Creek, CA 94596
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Lic. # 668184

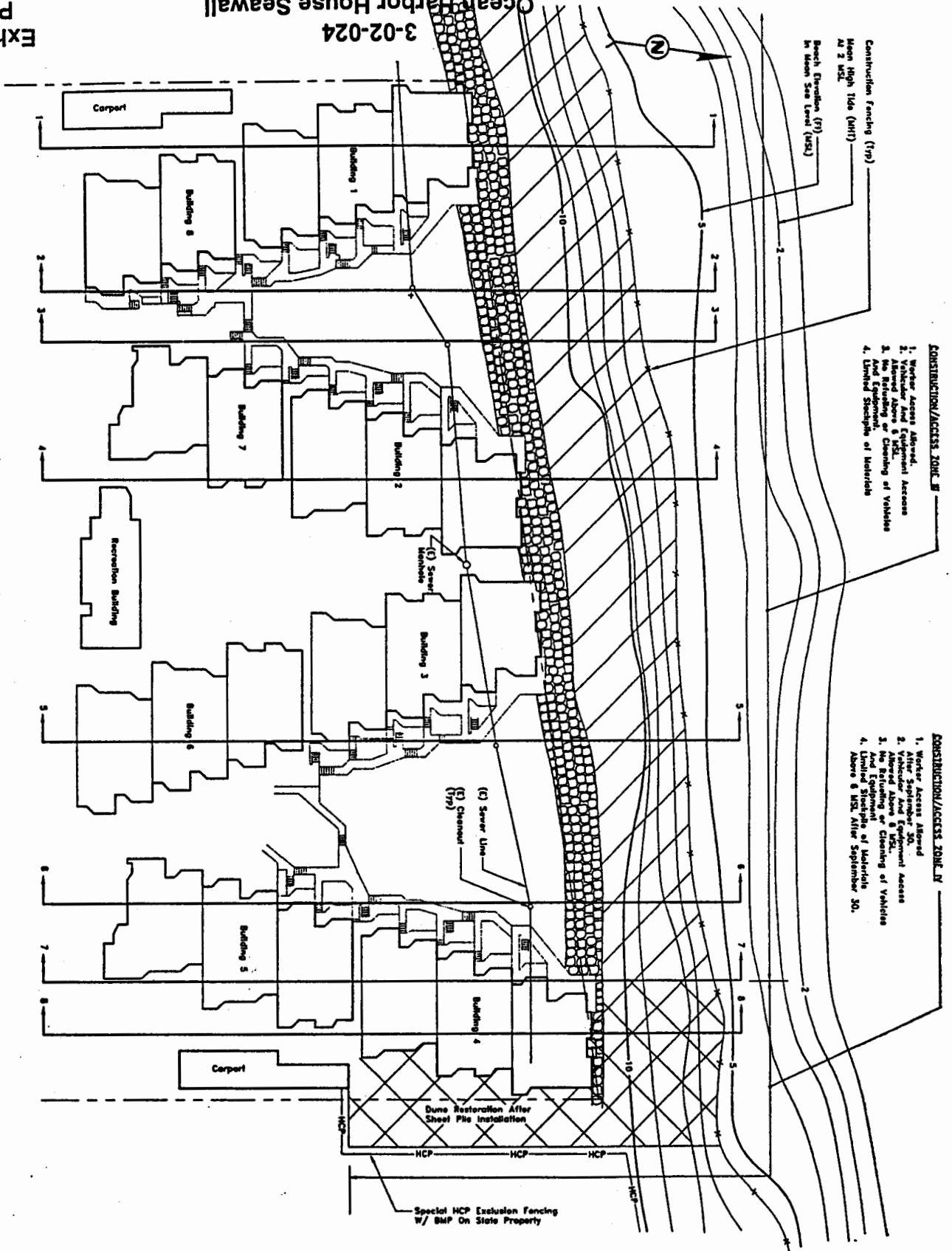
Del Monte Beach Park Exist. Conditions
And Construction/Access Zones

Ocean Harbor House
1 Surf Way
Monterey, CA

REVISIONS	BY

Sheet: S-4
Date: 2/5/2004
Scale: 1" = 30'
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Job: 50158

3-02-024
Ocean Harbor House Seawall




- CONSTRUCTION/ACCESS ZONE III**
1. Worker Access Allowed.
 2. Vehicle And Equipment Access Allowed Above 6 MSL.
 3. No Stacking or Cleaning of Vehicles And Equipment.
 4. Limited Stacks of Materials

- CONSTRUCTION/ACCESS ZONE IV**
1. Worker Access Allowed Above 6 MSL.
 2. Vehicle And Equipment Access Allowed Above 6 MSL.
 3. No Stacking or Cleaning of Vehicles And Equipment.
 4. Limited Stacks of Materials Above 6 MSL After September 30.

Existing Conditions And Construction/Access Zones

Scale: 1"=30'-0"

	<p>Engineered Soil Repairs, Inc. 1267 Springbrook Road Walnut Creek, CA 94596 Tel. No. (925) 210-2150 Lic. # 668184</p>	<p>Existing Conditions And Construction/ Access Zones</p> <p>Ocean Harbor House 1 Surf Way Monterey, CA</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY						
	NO.	DATE	BY									
<p>Date: 2/5/2004</p> <p>Scale: As Indicated</p> <p>Drawn: P.S.P.</p> <p>Job: 60158</p> <p>Sheet: S-5</p> <p>of 32 Sheets</p>	<p>Special HCP Exclusion Fencing W/ BMP On State Property</p>											

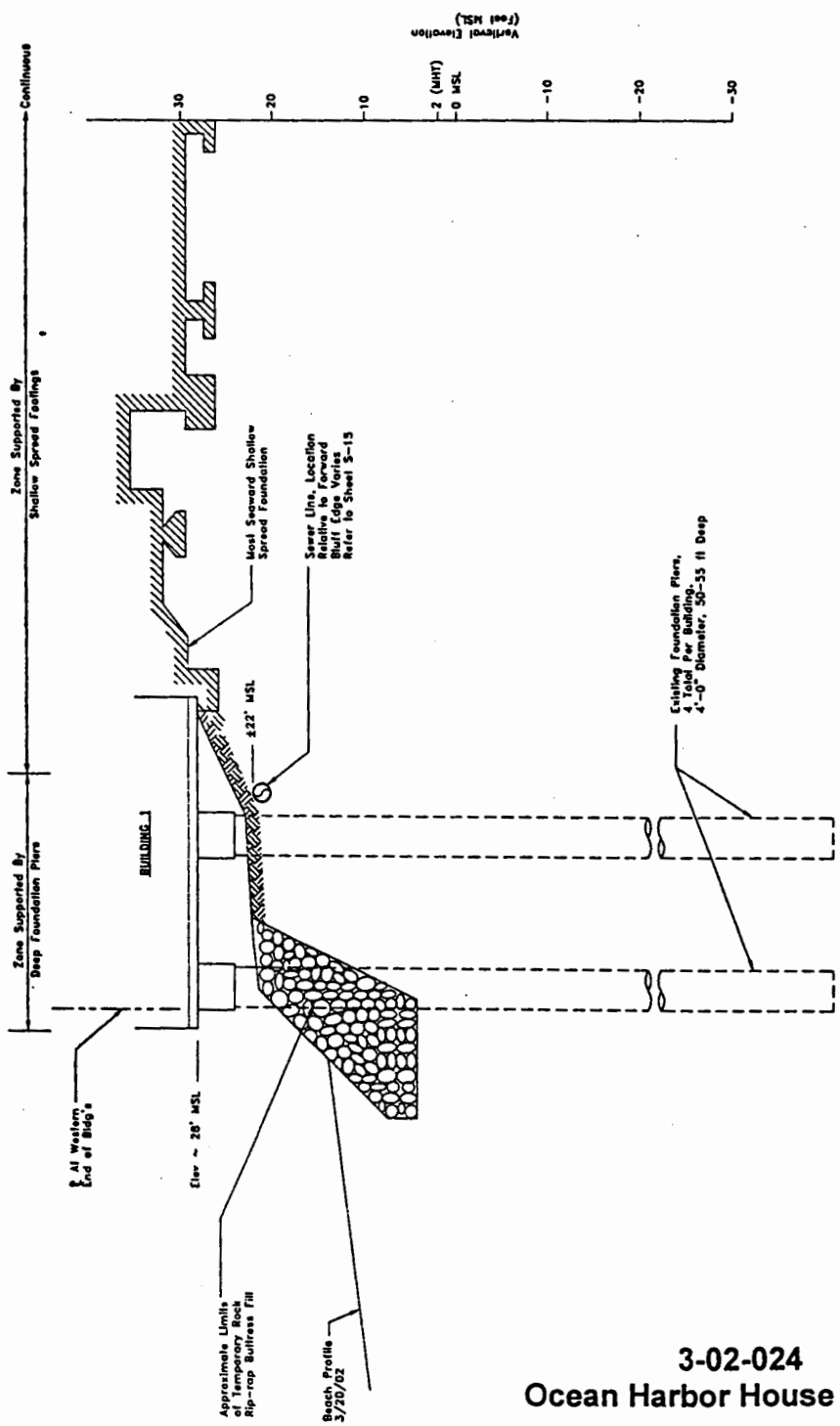
REVISIONS	BY

Cross Section 1-1 And 2-2
Existing Conditions
Ocean Harbor House
1 Surf Way
Monterey, CA

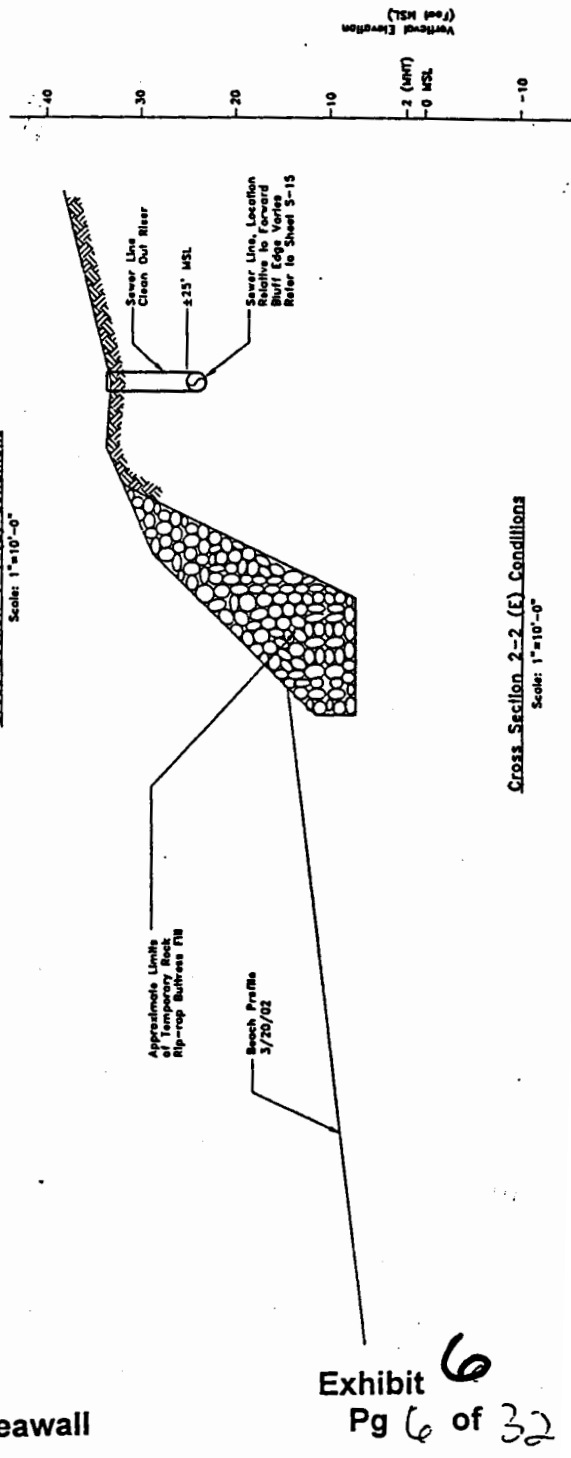
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1267 Springbrook Road
Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184



Date: 2/9/2004
Scale: As Indicated
Drawn: F.R.P.
Job: 60166
Sheet: 9-2

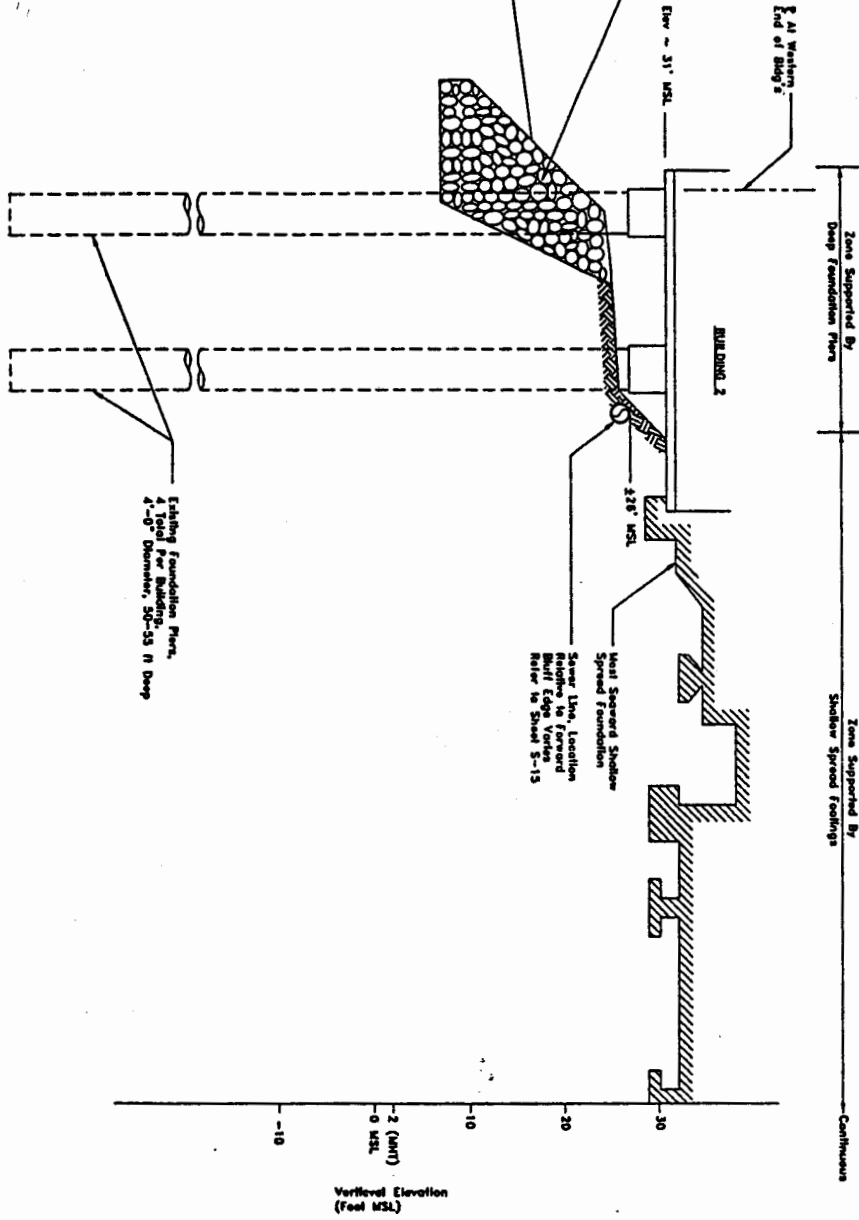


Cross Section 1-1 (E) Conditions
Scale: 1"=10'-0"

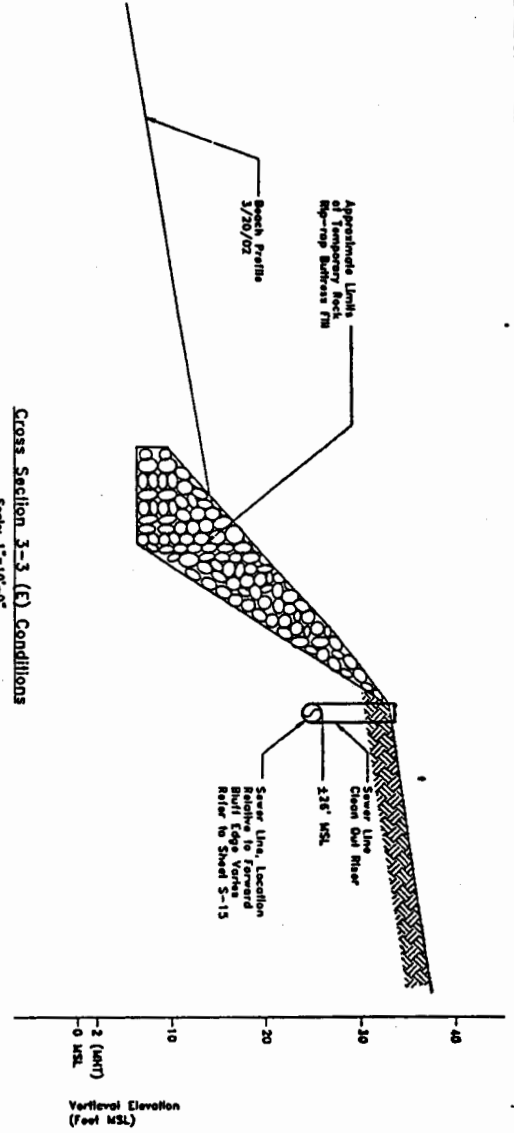


Cross Section 2-2 (E) Conditions
Scale: 1"=10'-0"

Ocean Harbor House
3-02-02
Special Provisions
3/20/02



Cross Section 3-3 (E) Conditions
Scale: 1"=10'-0"



Cross Section 4-4 (F) Conditions
Scale: 1"=10'-0"



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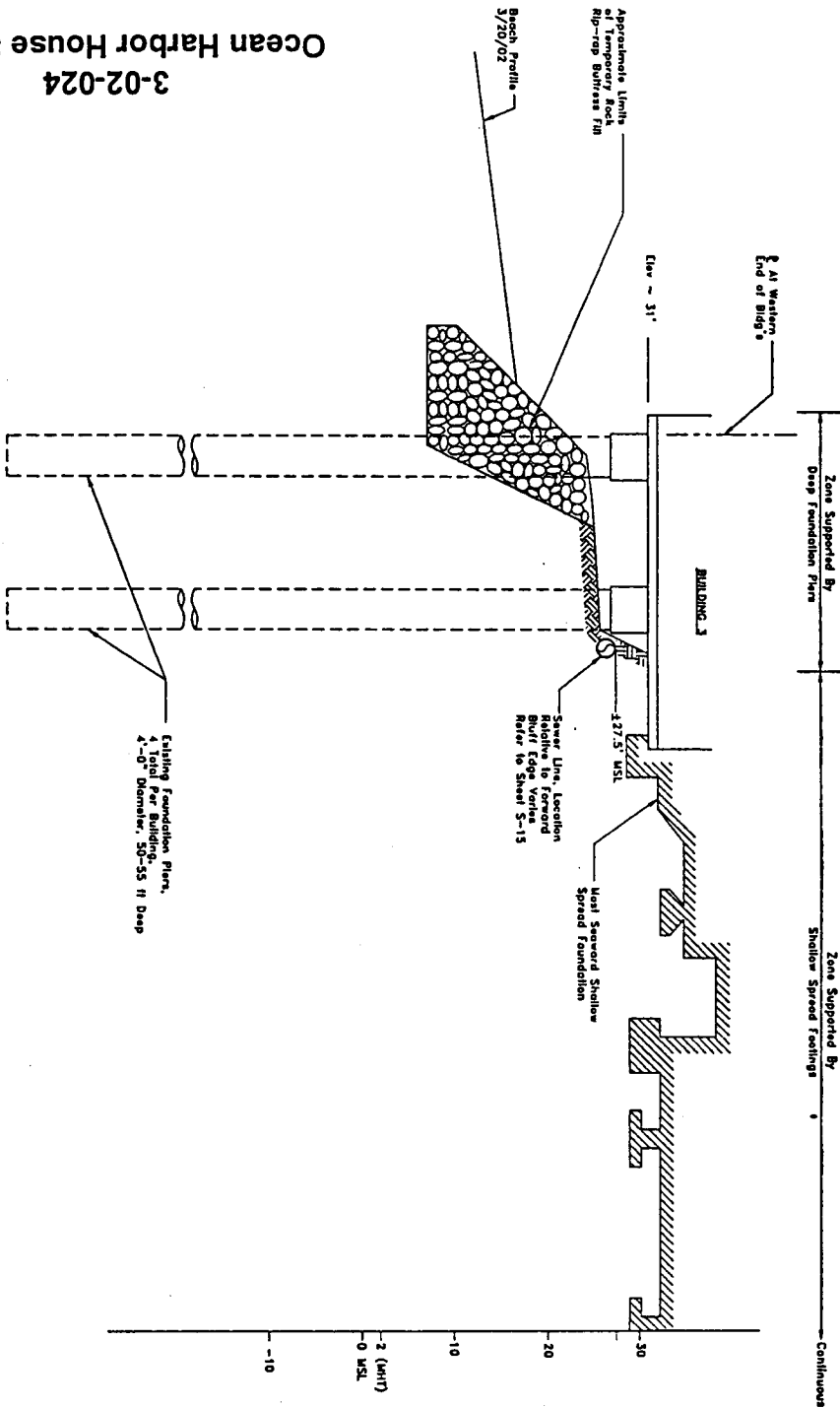
Cross Section 3-3 And 4-4
Existing Conditions
Ocean Harbor House
1 Surf Way
Monterey, CA

REVISIONS	BY

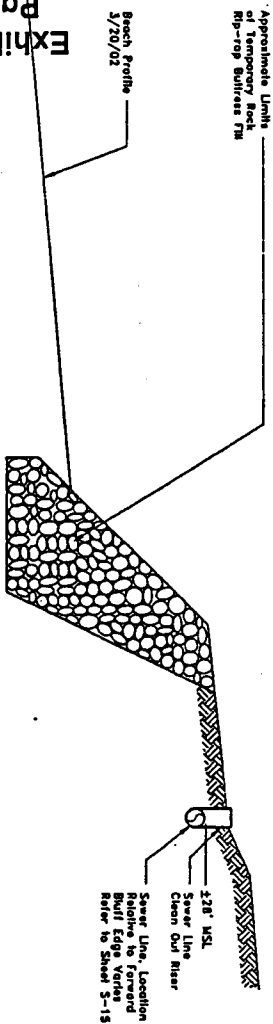
Sheet:	S-7
of 32 Sheets	
Date:	2/9/2004
Scale:	As Indicated
Drawn:	P.A.P.
Job:	80158

Ocean Harbor House Seawall

3-02-024



Cross Section 5-5 (E) Conditions
Scale: 1"=10'-0"



Cross Section 6-6 (E) Conditions
Scale: 1"=10'-0"

Exhibit 6
Pg 2 of 32

REVISIONS	BY

Cross Section 5-5 And 6-6
Existing Conditions

Ocean Harbor House
1 Surf Way
Monterey, CA

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Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184



Date: 2/5/2004

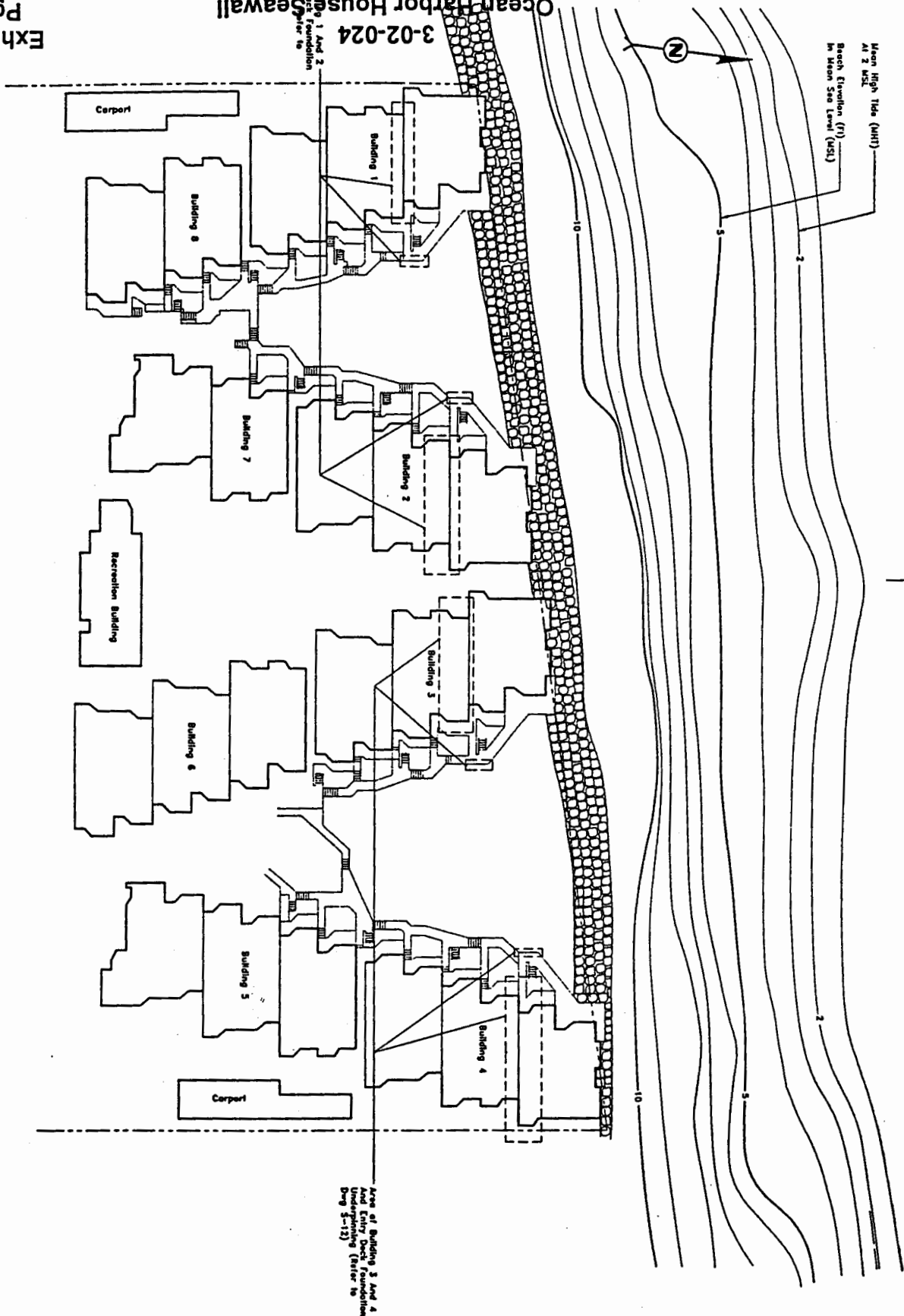
Scale: As Indicated

Drawn: F.R.P.

Job: 00158

Sheet: S-8

Ocean Harbor House
3-02-024



Refer to Dwg 3-11

Refer to Dwg 3-11

Foundation Underpinning Site Plan
Scale: 1"=50'-0"



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Foundation Underpinning Site Plan

Ocean Harbor House
1 Surf Way
Monterey, CA

REVISIONS	BY

Sheet: S-10
Date: 2/5/2004
Scale: As Indicated
Drawn: F.R.F.
Job: 60156

Mean High Tide (mht)
At 2 msl
Each Elevation (ft)
In Mean Sea Level (msl)

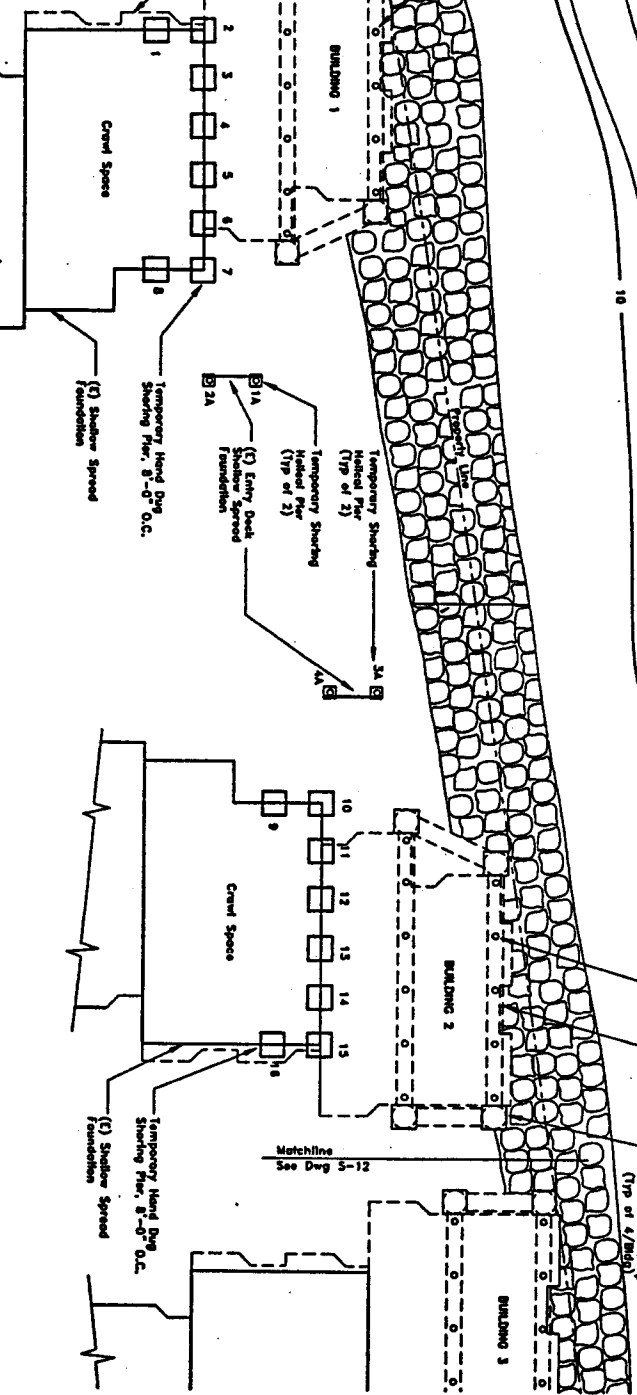


3-02-024

Ocean Harbor House

Exhibit 6
Pg 11 of 32

Property Line



(1) Wooden Pier
4'-0" Diameter,
20'-0" Foot Deep
(Typ of 1/10/03)
(1) Foundation Pier,
4'-0" Diameter,
20'-0" Foot Deep
(Typ of 1/10/03)
(1) Post-Tension
Grade Beam
(1) Foundation Pier,
4'-0" Diameter,
20'-0" Foot Deep
(Typ of 1/10/03)
(1) Foundation Pier,
4'-0" Diameter,
20'-0" Foot Deep
(Typ of 1/10/03)
(1) Foundation Pier,
4'-0" Diameter,
20'-0" Foot Deep
(Typ of 1/10/03)

1. Refer to Sheet S-13 and S-14 for underpinning details.
2. Head dig piers are to installed in two separate phases. (See written and numbered plans first, then even numbered piers)
3. Refer to Sheet S-2 for shoring notes while installing

Foundation Underpinning Plan, Buildings 1 And 2
Scale: 1/16"=1'-0"



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Foundation Underpinning Plan
Buildings 1 And 2

Ocean Harbor House
1 Surf Way
Monterey, CA

REVISIONS	BY

Date: 8/9/2004
Scale: As Indicated
Drawn: F.R.P.
Job: 50188
Sheet: C-11

REVISIONS	BY

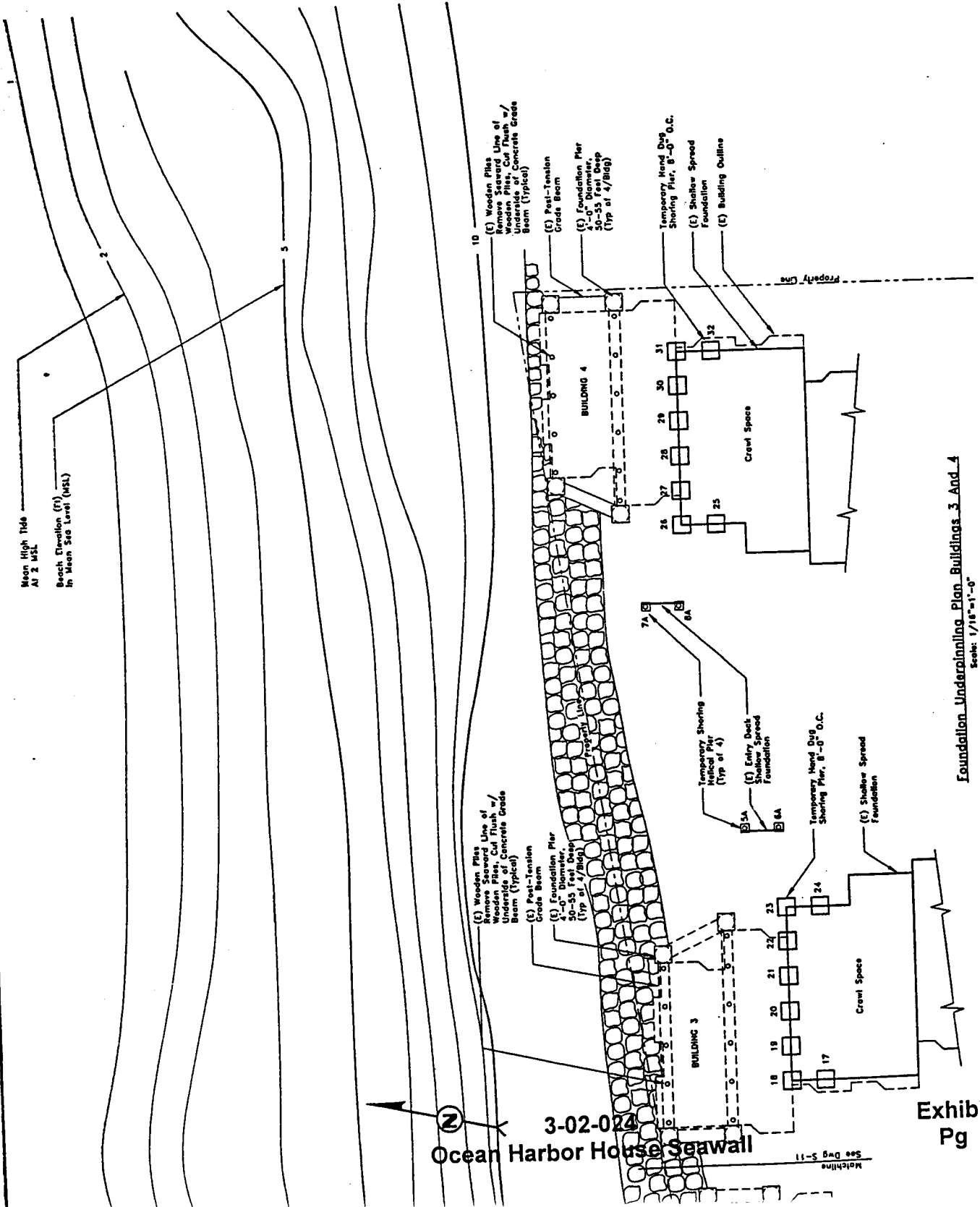
Foundation Underpinning Plan
Buildings 3 And 4
Ocean Harbor House
1 Surf Way
Monterey, CA

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Date: 2/6/2004
Scale: As Indicated
Drawn: F.R.P.
Job: 50158

Sheet: S-12
of 32 Sheets



Foundation Underpinning Plan Buildings 3 And 4
Scale: 1/16"=1'-0"

REVISIONS	BY

Foundation Underpinning Section
 And Schedules
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

Engineered Soil Repairs, Inc.
 1267 Springbrook Road
 Walnut Creek, CA 94596
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 Lic. # 668184

Date: 2/5/2004
 Scale: As Indicated
 Drawn: F.R.P.
 Job: 80158
 Sheet:
S-13

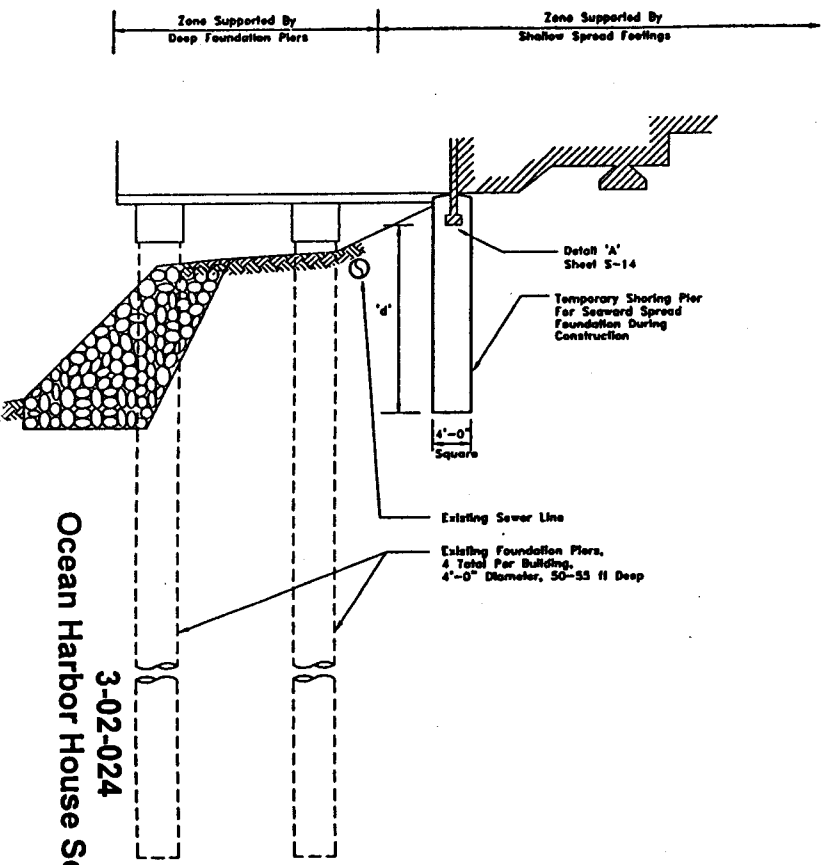
Building Foundation Shoring Hand-Dug Pier Schedule

Building No.	Pier No.	Pier Depth (ft.)	Pier Reinforcement
1	1	15	6 #3 bars, #4 ties 12" oc
	2	15	6 #3 bars, #4 ties 12" oc
	3	15	6 #3 bars, #4 ties 12" oc
	4	15	6 #3 bars, #4 ties 12" oc
	5	15	6 #3 bars, #4 ties 12" oc
	6	15	6 #3 bars, #4 ties 12" oc
	7	15	6 #3 bars, #4 ties 12" oc
	8	15	6 #3 bars, #4 ties 12" oc
2	9	17.5	6 #7 bars, #4 ties 12" oc
	10	17.5	6 #7 bars, #4 ties 12" oc
	11	17.5	6 #7 bars, #4 ties 12" oc
	12	17.5	6 #7 bars, #4 ties 12" oc
	13	17.5	6 #7 bars, #4 ties 12" oc
	14	17.5	6 #7 bars, #4 ties 12" oc
	15	17.5	6 #7 bars, #4 ties 12" oc
	16	17.5	6 #7 bars, #4 ties 12" oc
3	17	17.5	6 #7 bars, #4 ties 12" oc
	18	17.5	6 #7 bars, #4 ties 12" oc
	19	17.5	6 #7 bars, #4 ties 12" oc
	20	17.5	6 #7 bars, #4 ties 12" oc
	21	17.5	6 #7 bars, #4 ties 12" oc
	22	17.5	6 #7 bars, #4 ties 12" oc
	23	17.5	6 #7 bars, #4 ties 12" oc
	24	17.5	6 #7 bars, #4 ties 12" oc
4	25	20	6 #8 bars, #4 ties 12" oc
	26	20	6 #8 bars, #4 ties 12" oc
	27	20	6 #8 bars, #4 ties 12" oc
	28	20	6 #8 bars, #4 ties 12" oc
	29	20	6 #8 bars, #4 ties 12" oc
	30	20	6 #8 bars, #4 ties 12" oc
	31	20	6 #8 bars, #4 ties 12" oc
	32	20	6 #8 bars, #4 ties 12" oc

Deck Foundation Shoring Helical Pier Schedule

Building No.	Pier No.	Helical Pier Depth (ft.)	Helical Anchor	Foundation Bracket
1	1A	15	SS-1150	CC150-0121
	2A	15	SS-1150	CC150-0121
2	3A	15	SS-1150	CC150-0121
	4A	15	SS-1150	CC150-0121
3	5A	15	SS-1150	CC150-0121
	6A	15	SS-1150	CC150-0121
4	7A	15	SS-1150	CC150-0121
	8A	15	SS-1150	CC150-0121

Note:
 Helical Piers 3A and 4A Have Already Been Installed



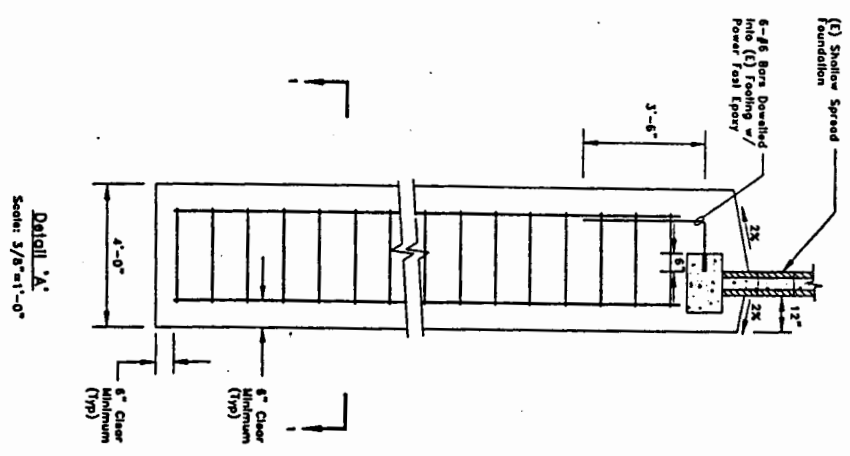
Foundation Underpinning Section
Scale: 1"=10'-0"

Notes:
 1. For shoring pier depth 'd' refer to Building Foundation Hand Dug Pier Schedule.

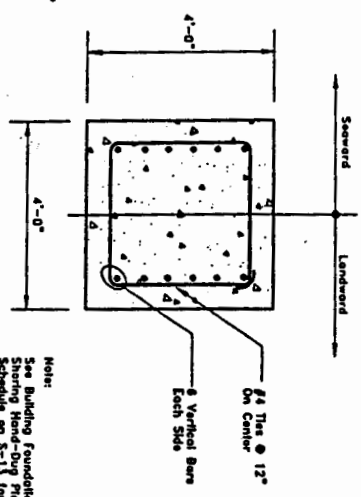
Ocean Harbor House Seawall
 3-02-024

Exhibit 6
 Pg 13 of 32

Ocean Harbor House Seawall
3-02-024

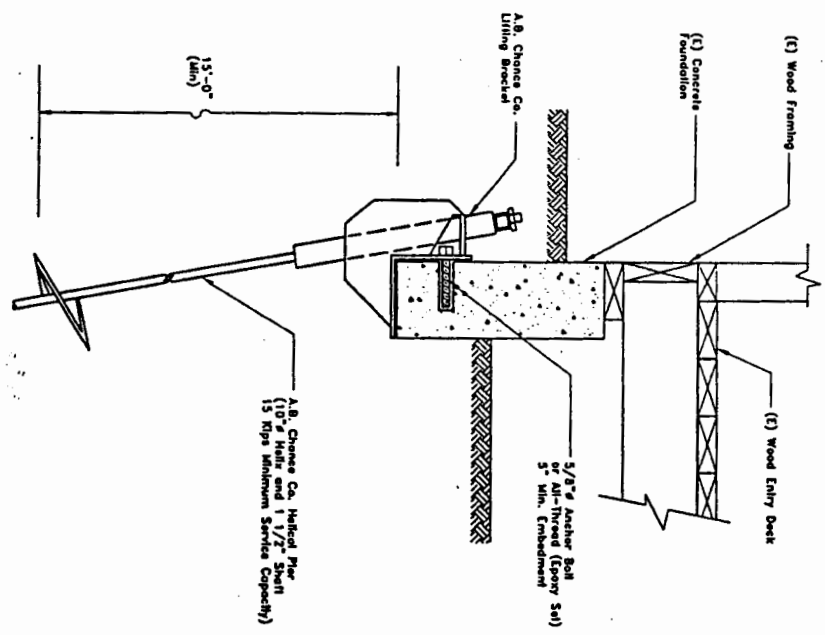


Detail 'A'
Scale: 3/8"=1'-0"



Section 1-1
Scale: 3/8"=1'-0"

Note:
See Building Foundation
Scheduling Form S-11 For
Size of Vertical Rein
Steel



Typical Helical Pier Section
Scale: 3/8"=1'-0"

REVISIONS	BY

Foundation Underpinning Details
And Sections

Ocean Harbor House
1 Surf Way
Monterey, CA

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Tel. No. (925) 210-2150

Lic. # 668184

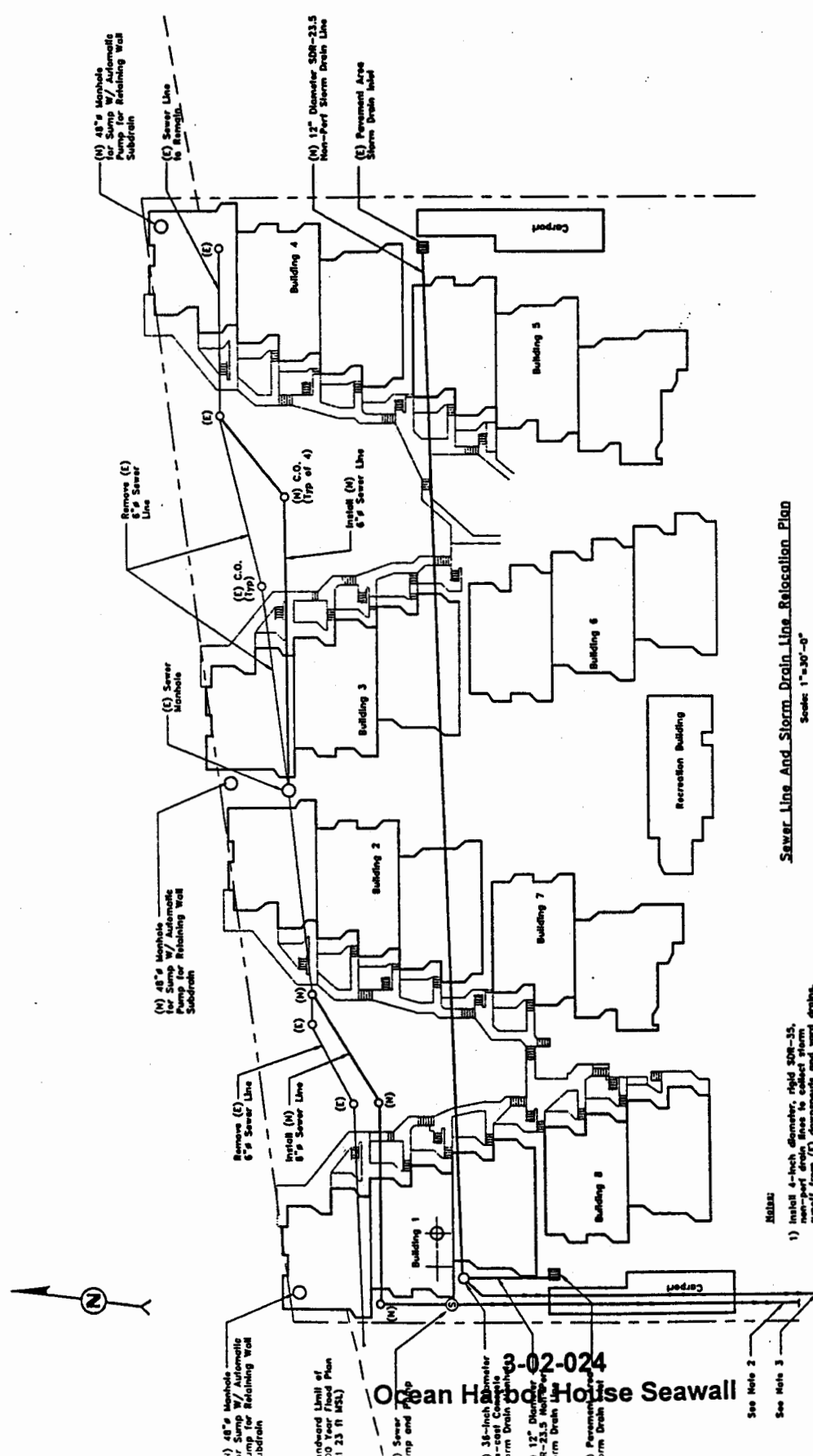


Date: 2/5/2004
Scale: As Indicated
Drawn: F.R.P.
Job: 60158
Sheet:

REVISIONS	BY

Ocean Harbor House
 1 Surf Way
 Monterey, CA
 Lic. # 668184
 Engineered Soil Repairs, Inc.
 1267 Springbrook Road
 Walnut Creek, CA 94596
 Tel. No. (925) 210-2150

Date: 4/1/2002
 Scale: As Indicated
 Drawn: F.B.P.
 Job: 90156
 Sheet: S-15
 of 32 Sheets



Sewer Line And Storm Drain Line Relocation Plan
 Scale: 1"=30'-0"

- Notes**
- 1) Install 4-inch diameter, rigid SDR-35, non-part drain lines to collect storm runoff from (E) downspouts and yard drains. The drain lines into (N) storm drain system.
 - 2) Tie (N) sewer force discharge line directly into street sewer manhole located at the corner of Tide Ave. and Surf Way.
 - 3) The (N) storm drain force discharge line directly into street storm drain located at the corner of Tide Ave. and Surf Way.

Exhibit **6**
 Pg 15 of 32

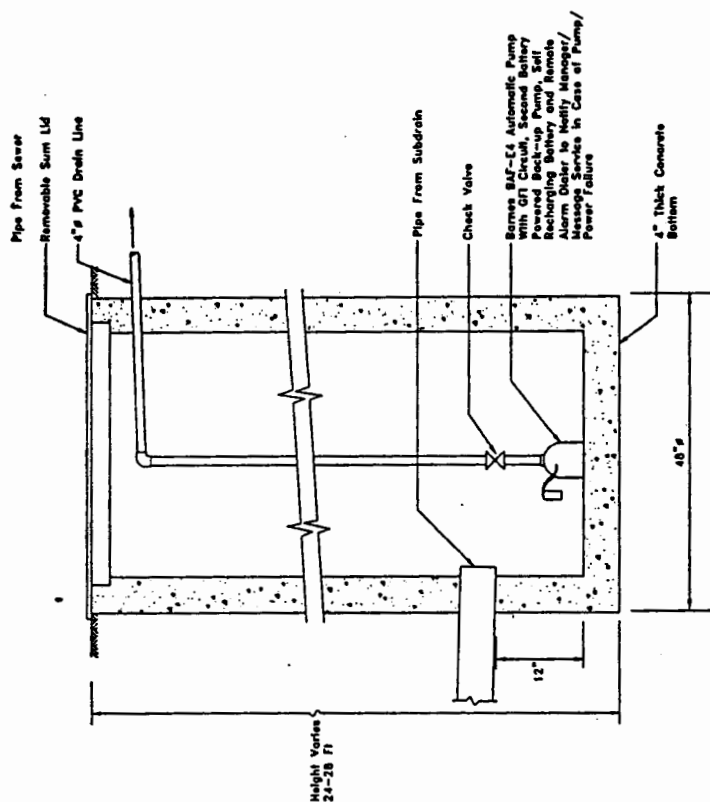


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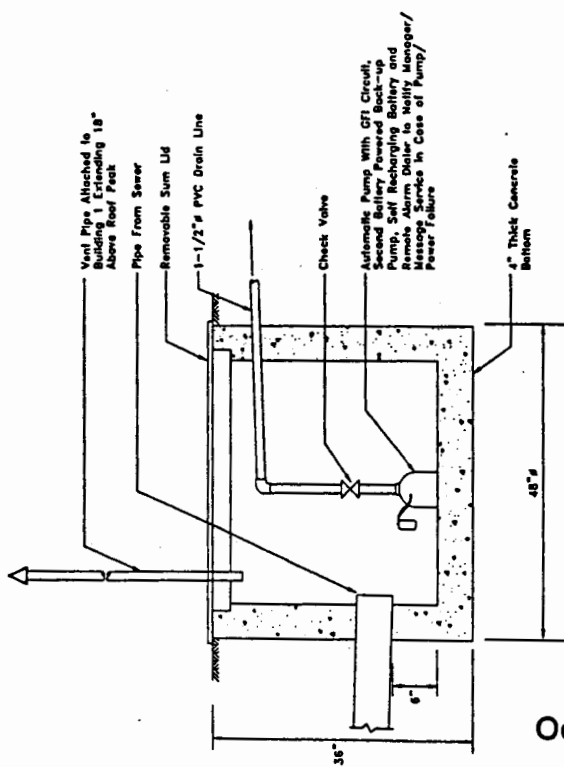
Sewer and Storm Drain
 Sections and Details
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

Date: 2/9/2004
 Scale: None
 Drawn: F.R.P.
 Job: 50136
 Sheets:

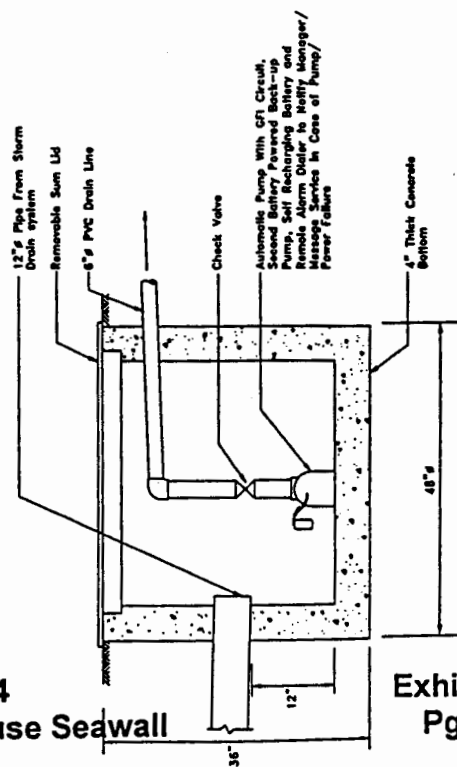
REVISIONS	BY



Subdrain Sump and Pump Section
 Not to Scale



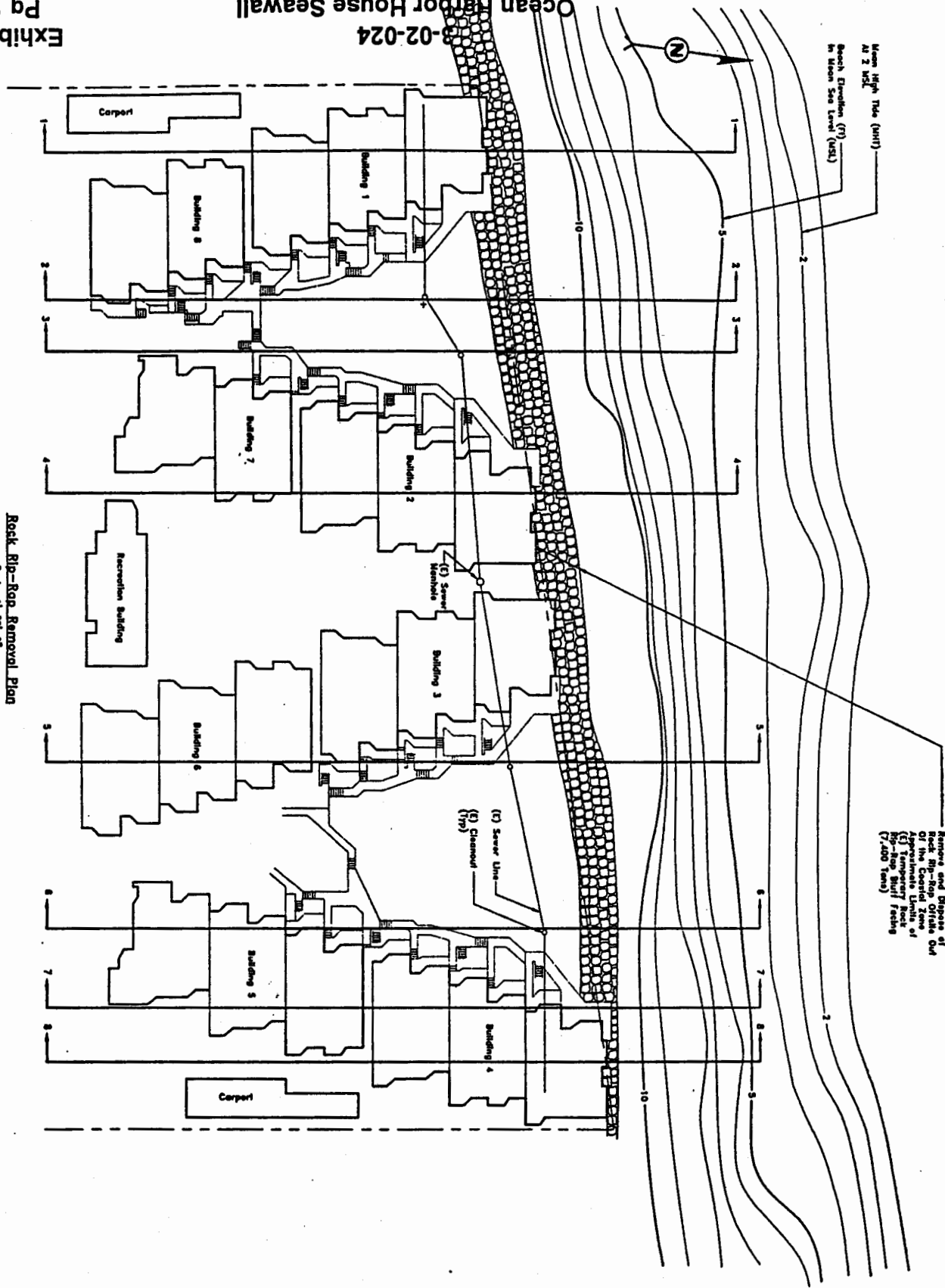
Sewage Sump and Pump Section
 Not to Scale



Storm Drain Sump and Pump Section
 Not to Scale

3-02-024
 Ocean Harbor House Seawall

Exhibit 6
 Pg 16 of 32



Rock Rip-Rap Removal Plan
Scale: 1"=30'-0"

Remove and Dispose of
Rock Rip-Rap Outside Out
of the Coastal Zone of
the Ocean (C)
(C) Temporary Rock
Rip-Rap Buff Facing
(7,400 tons)

	Engineered Soil Repairs, Inc. 1267 Springbrook Road Walnut Creek, CA 94596 Tel. No. (925) 210-2150 Lic. # 668184	Rock Rip-Rap Removal Plan Ocean Harbor House 1 Surf Way Monterey, CA	APPROVED BY:
	Date: 2/5/2004 Scale: As Indicated Drawn: P.A.R. Job: 50158	SHEET: S-17	BY:

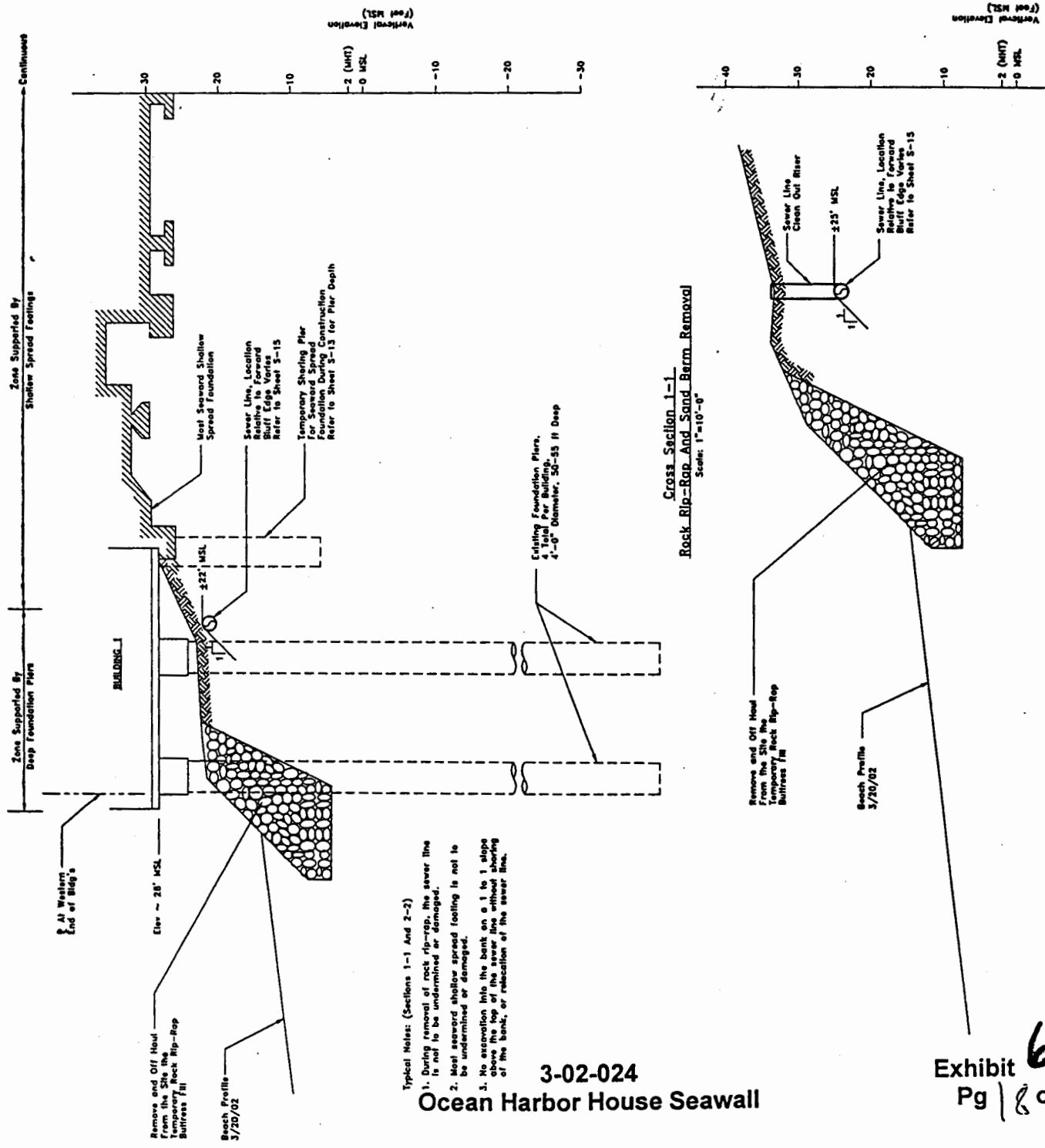


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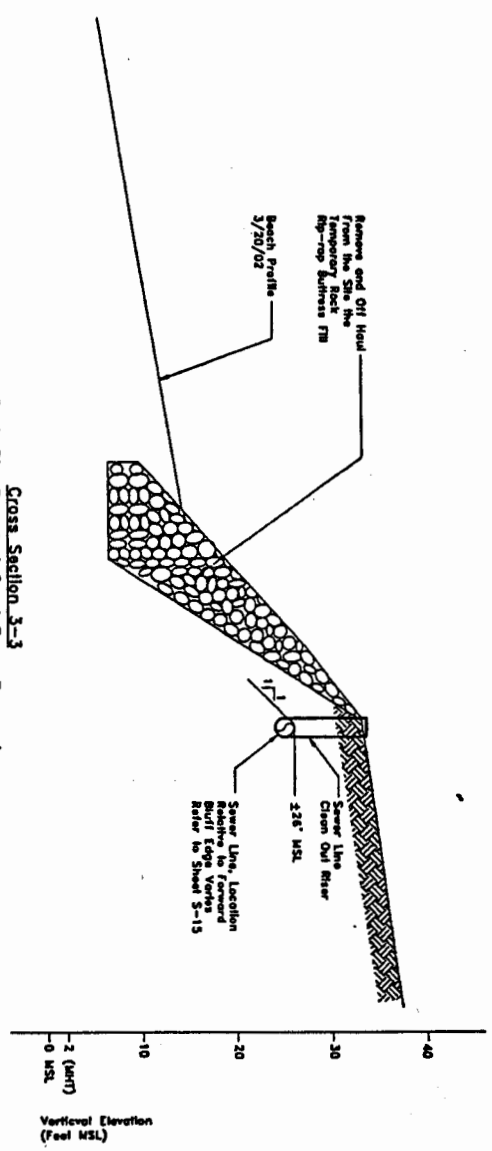
Cross Section 1-1 And 2-2
 Rock Rip-Rap
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

Date: 2/5/2004
 Sealer: As Indicated
 Drawn: F.R.P.
 Job: 60159
 Sheet: S-18

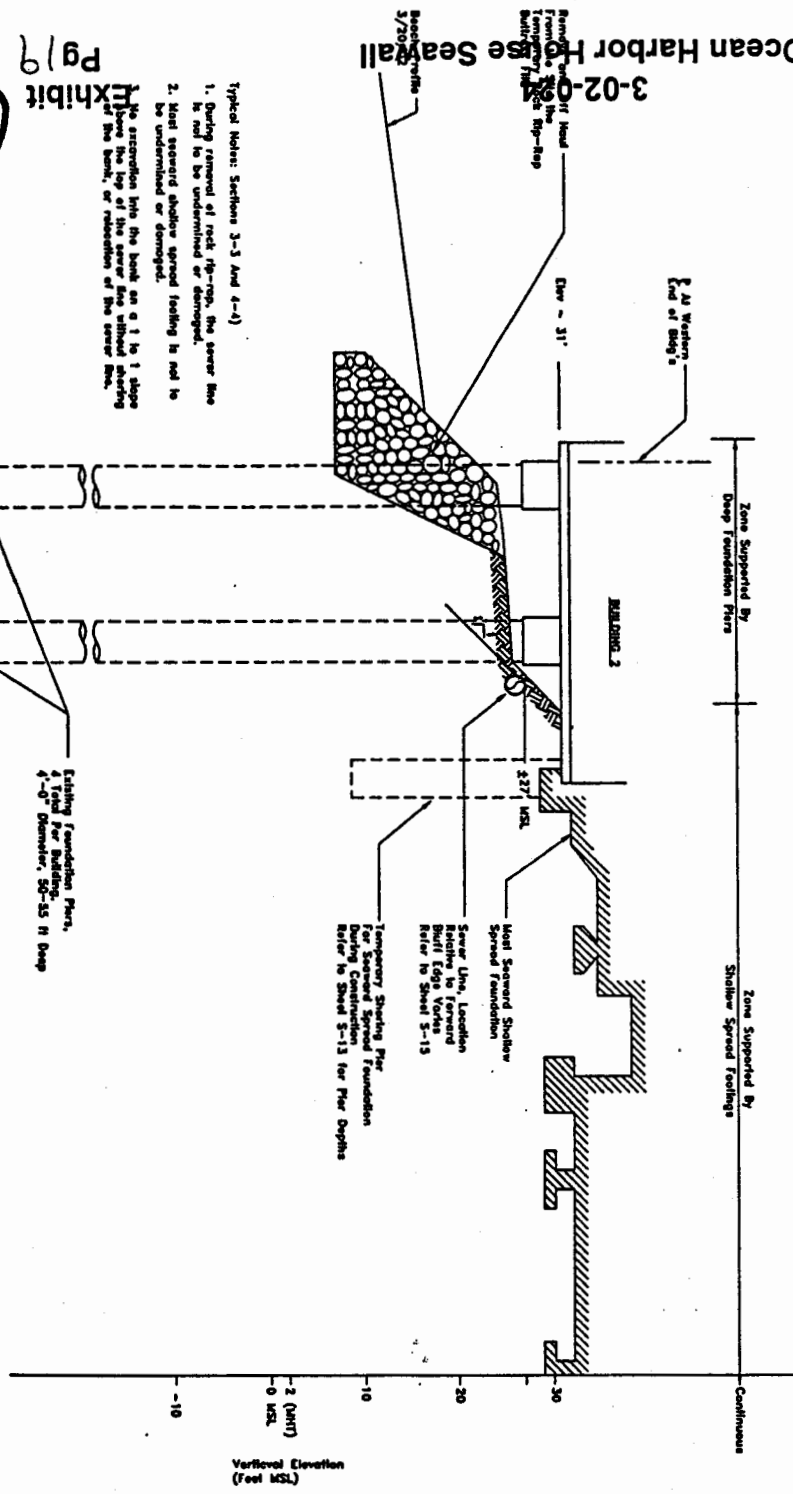
REVISIONS	BY



- Typical Notes: (Sections 1-1 And 2-2)
1. During removal of rock rip-rap, the sewer line is not to be undermined or damaged.
 2. Most seaward shallow spread footing is not to be undermined or damaged.
 3. No excavation into the bank on a 1 to 1 slope above the top of the sewer line without shoring of the bank, or relocation of the sewer line.



Cross Section 3-3
Rock Rip-Rap And Sand Berm Removal
 Scale 1"=10'-0"



Cross Section 4-4
 Part 4th-Run And Sand Berm Damaged

Typical Notes: Sections 3-3 And 4-4)
 1. During removal of rock rip-rap, the sewer line is not to be undermined or damaged.
 2. Most seaward shallow spread footing is not to be undermined or damaged.
 The section into the bank on a 1 to 1 slope. Show the top of the sewer line without showing the bank, or reduction of the sewer line.

3-02-09
 Ocean Harbor House Seawall

Exhibit 6
 Pg 19 of 32

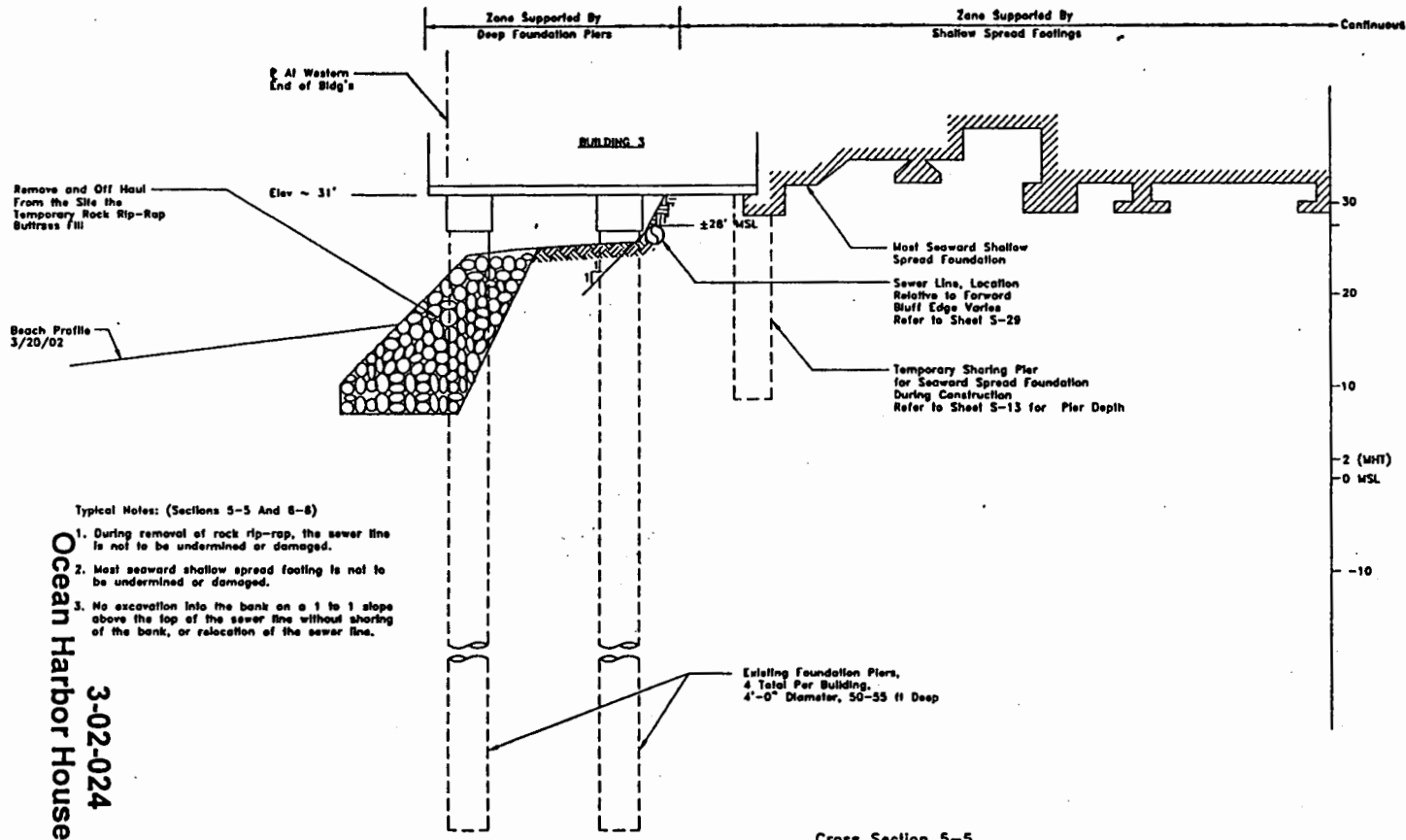


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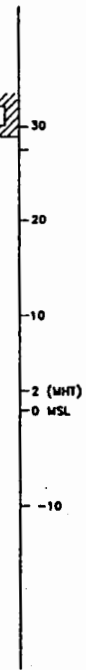
Cross Section 3-3 And 4-4
Rock Rip-Rap
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

Date:	2/5/2004
Scale:	As Indicated
Drawn:	F.A.P.
Job:	60188
Sheet:	4

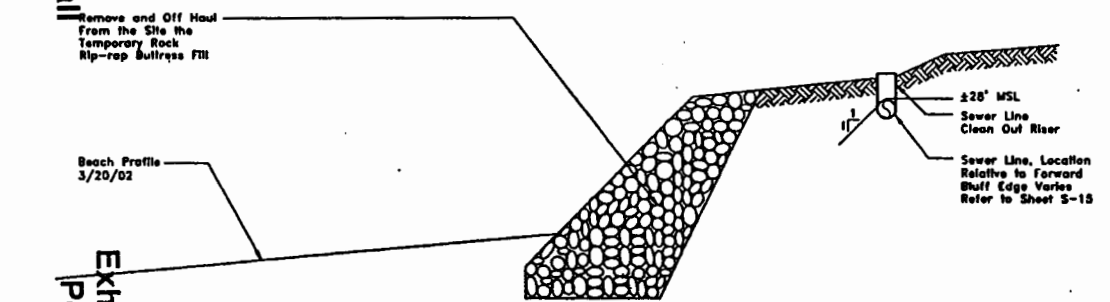
REVISIONS	BY



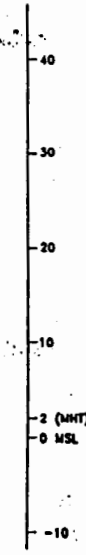
Vertical Elevation
(Feet MSL)



Cross Section 5-5
Rock Rip-Rap And Sand Berm Removal
Scale: 1"=10'-0"



Vertical Elevation
(Feet MSL)



Cross Section 6-6
Rock Rip-Rap And Sand Berm Removal
Scale: 1"=10'-0"

- Typical Notes: (Sections 5-5 And 6-6)
1. During removal of rock rip-rap, the sewer line is not to be undermined or damaged.
 2. Most seaward shallow spread footing is not to be undermined or damaged.
 3. No excavation into the bank on a 1 to 1 slope above the top of the sewer line without shoring of the bank, or relocation of the sewer line.

Ocean Harbor House Seawall 3-02-024

Exhibit 6 Pg 20 of 32

REVISIONS	BY

Cross Section 5-5 And 6-6
Rock Rip-Rap
Ocean Harbor House
1 Surf Way
Monterey, CA

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Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184

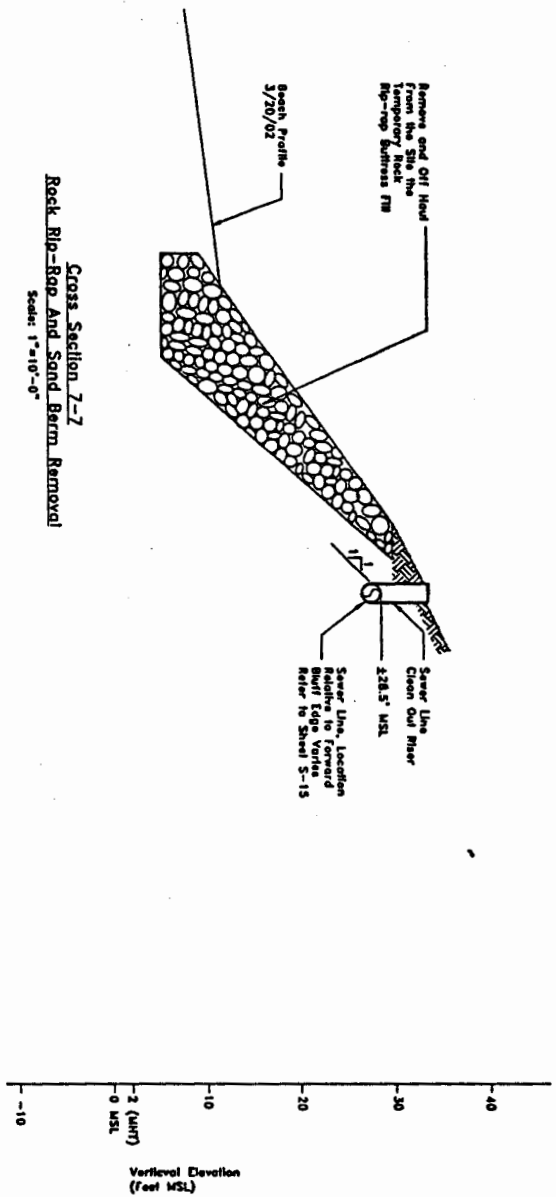
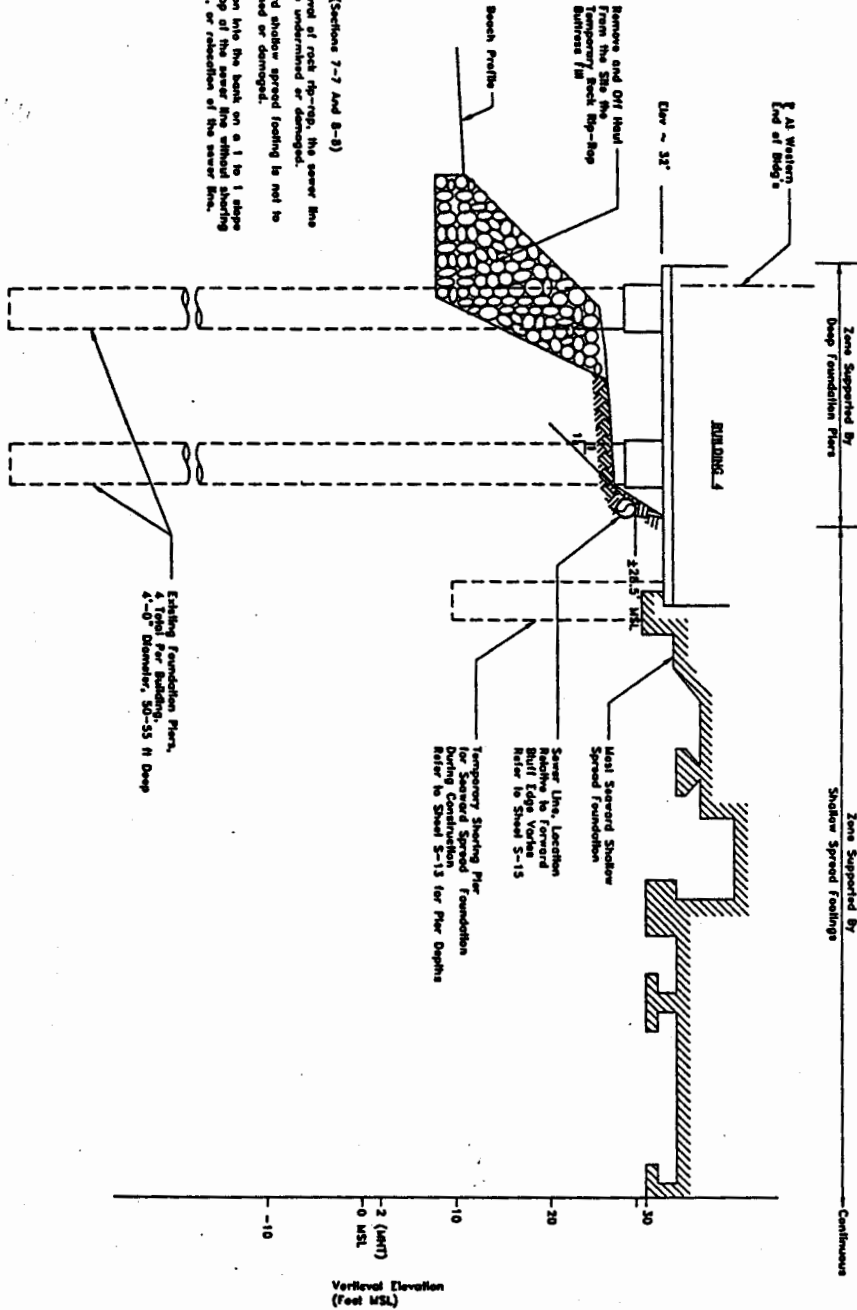


Date:	2/5/2004
Scale:	As Indicated
Drawn:	F.R.P.
Job:	50158
Sheet:	S-20

3-02-024

Exhibit 6

- Typical Notes: (Sections 7-7 And 8-8)
1. During removal of rock rip-rap, the sewer line is not to be undermined or damaged.
 2. Most seaward shroud spread footing is not to be undermined or damaged.
 3. No excavation into the bank on a 1 to 1 slope above the top of the sewer line without shoring of the bank, or reduction of the sewer line.



Cross Section 7-7
Rock Rip-Rap And Sand Berm Removal
Scale: 1"=10'-0"

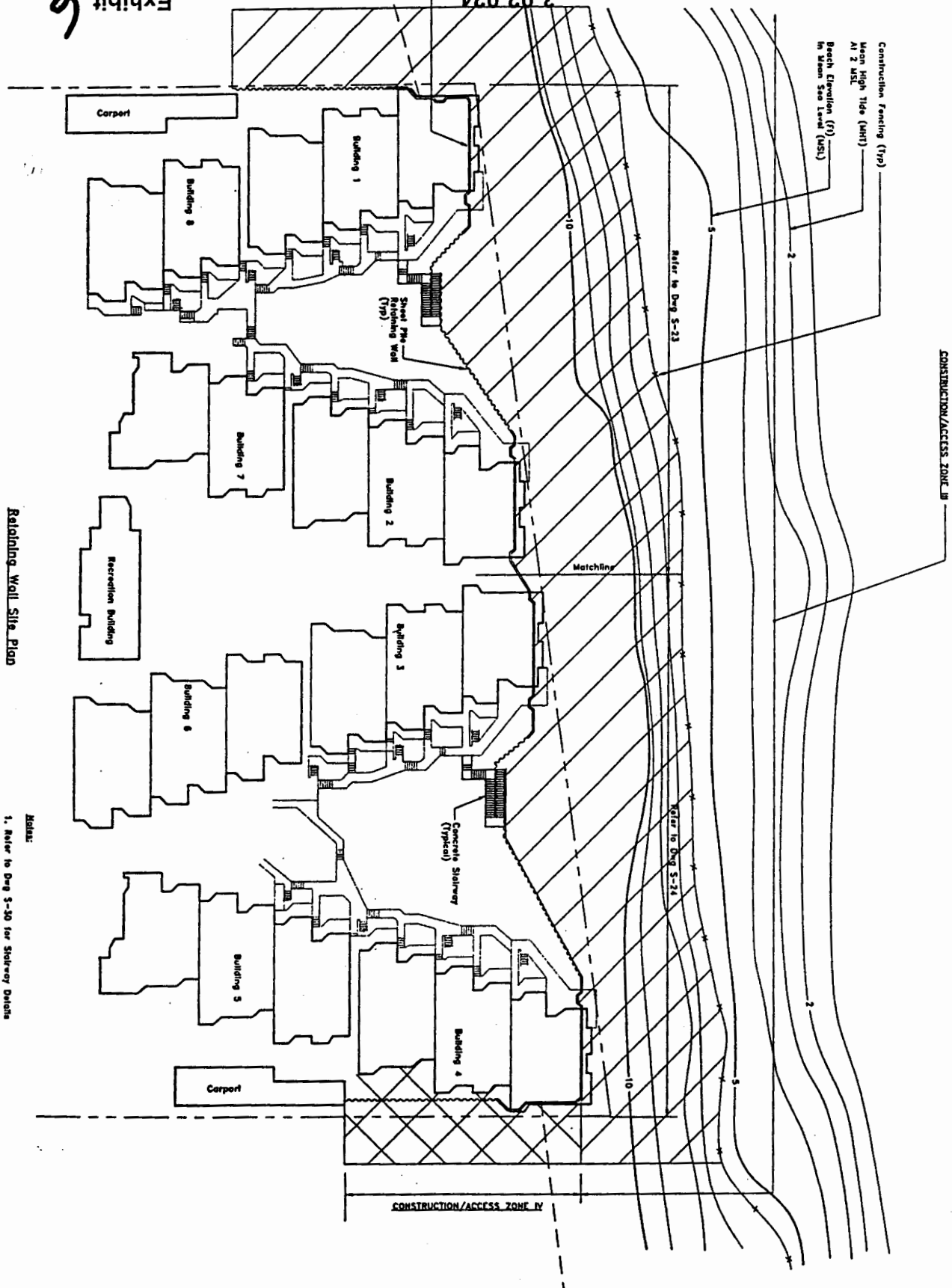
Cross Section 7-7 (FL) Conditions
Scale: 1"=10'-0"

	Date: 2/9/2004 Scale: As Indicated Drawn: P.A.P. Job#: 50158	Ocean Harbor House 1 Surf Way Monterey, CA	REVISIONS BY
	Date: 2/9/2004 Scale: As Indicated Drawn: P.A.P. Job#: 50158	Ocean Harbor House 1 Surf Way Monterey, CA	REVISIONS BY

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 Lic. # 668184

Cross Section 7-7 And 8-8
 Rock Rip-Rap

Ocean Harbor House
 1 Surf Way
 Monterey, CA



Retaining Wall Site Plan
Scale: 1"=30'-0"

- Notes:
1. Refer to Dwg S-30 for Stairway Details
 2. Refer to Dwg S-15 for Seew Line Retention Plan.



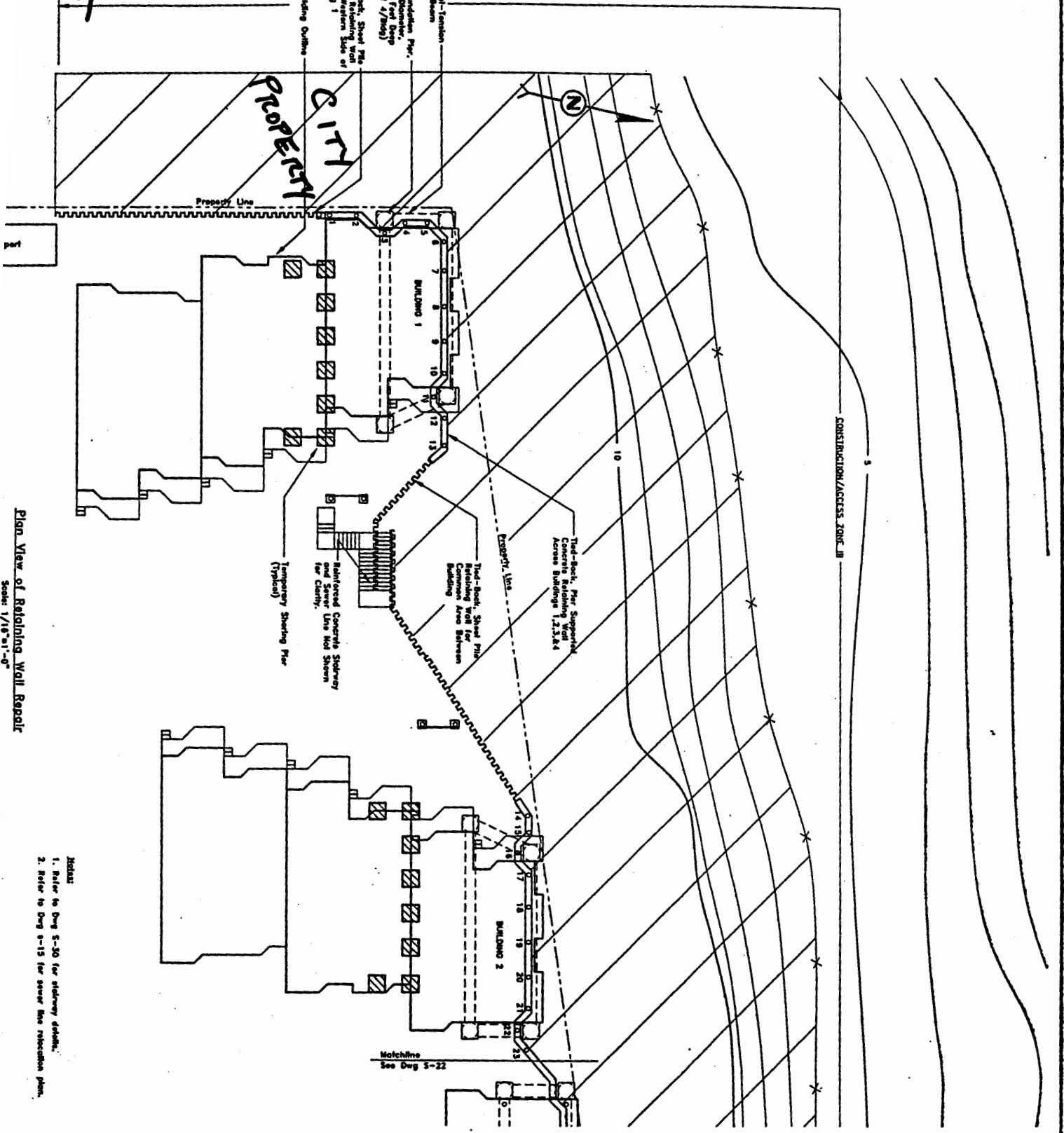
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Retaining Wall Site Plan
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

REVISIONS	BY

Date:	2/5/2004
Scale:	As Indicated
Drawn:	F.R.P.
Job:	50156
Sheet:	

Ocean Harbor House Seawall
3-02-024



Plan View of Retaining Wall Repair

Scale: 1/16" = 1'-0"

- Notes
1. Refer to Dwg 3-30 for slideway details.
 2. Refer to Dwg 3-15 for sewer line relocation plan.



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Retaining Wall Plan
Buildings 1 And 2

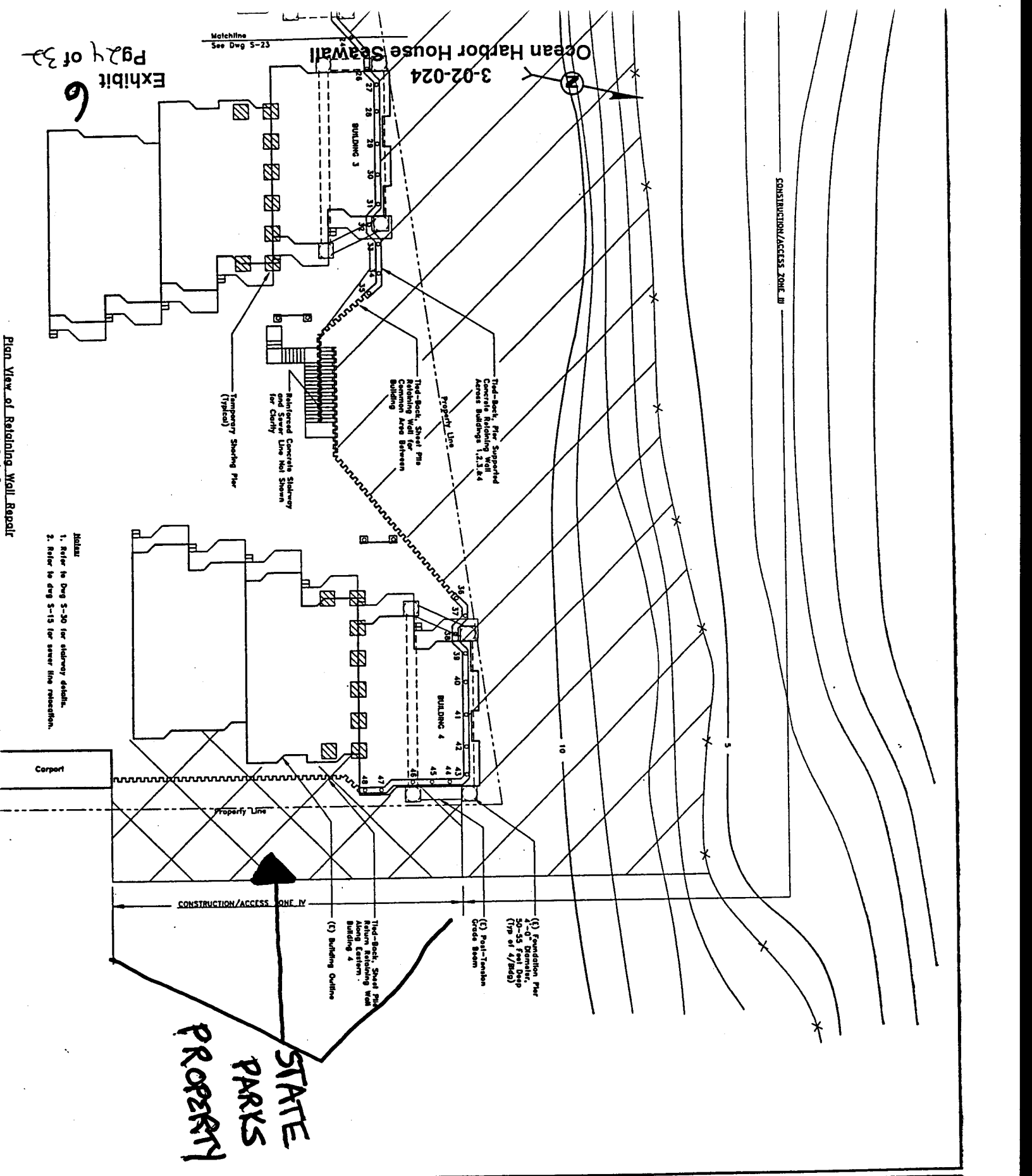
Ocean Harbor House
1 Surf Way
Monterey, CA

REVISIONS	BY

Sheet: S-23
Date: 2/3/2004
Scale: As Indicated
Drawn: P.R.P.
Job: 50158

Matchline
See Dwg 5-23

Ocean Harbor House Seawall
3-02-024

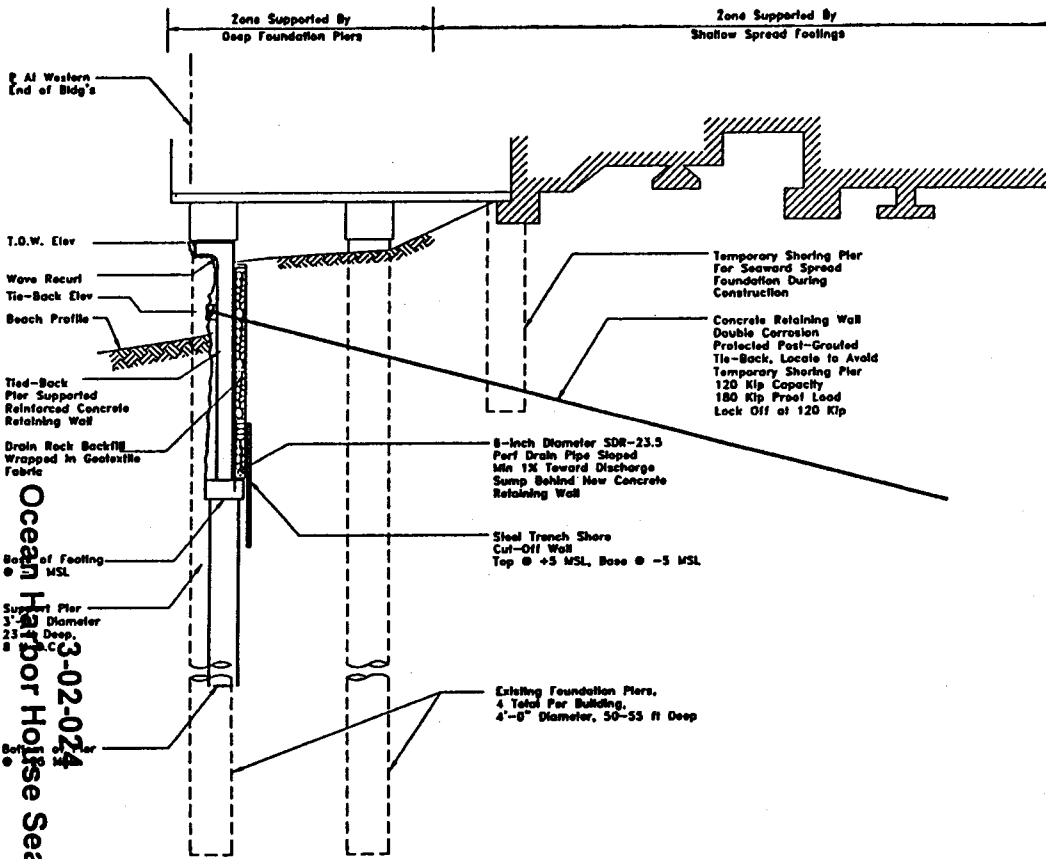


Plan View of Retaining Wall Repair

- Notes
1. Refer to Dwg 5-30 for slideway details.
 2. Refer to Dwg 5-15 for sewer line relocation.

STATE
PARKS
PROPERTY

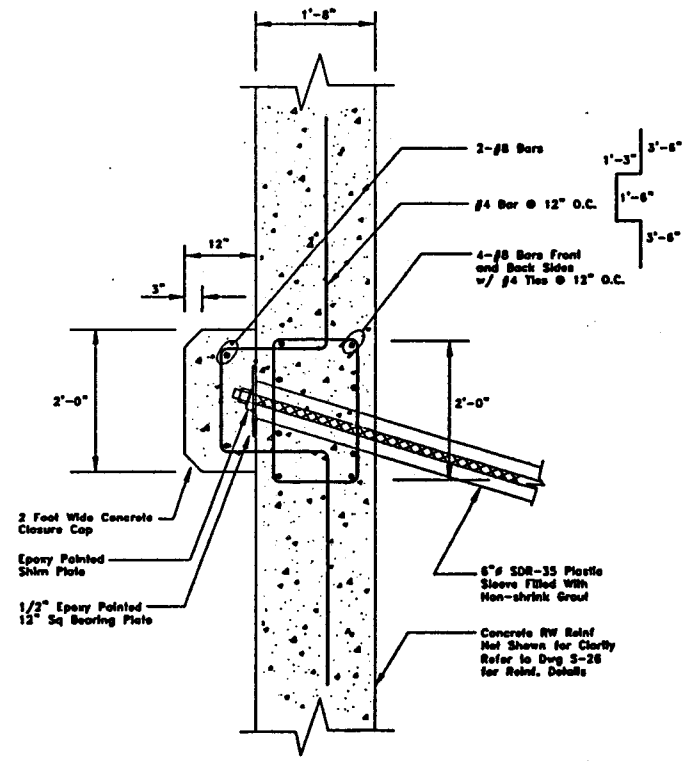
<p>Engineered Soil Repairs, Inc. 1267 Springbrook Road Walnut Creek, CA 94596 Tel. No. (925) 210-2150 Lic. # 668184</p>	<p>Retaining Wall Plan Buildings 3 And 4</p> <p>Ocean Harbor Hose 1 Surf Way Monterey, CA</p>	REVISIONS	BY
<p>Date: 2/5/2004</p> <p>Scale: As Indicated</p> <p>Drawn: F.R.P.</p> <p>Job: 00158</p>	<p>Sheet: S-24</p>		



Typical Retaining Wall Section
Scale: 1"=10'-0"

Concrete Retaining Wall Schedule

Building No.	T.O.W. Elev (ft)	Tie-Back Elev (ft)	Back-Fill Elev (ft)
1	24	7	23
2	27	10	26
3	27	10	26
4	28	11	27



Internal Tie-Back Bond Beam
Scale: 3/4"=1'-0"

Ocean Harbor House Seawall

Exhibit 6
Pg 25 of 32

REVISIONS	BY

Concrete Retaining Wall Section
And Schedule

Ocean Harbor House
1 Surf Way
Monterey, CA

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Walnut Creek, CA 94596
Tel. No. (925) 210-2150

Lic. # 668184



Date: 2/5/2004
Scale: As Indicated
Drawn: F.R.P.
Job: 50158

Sheet:
S-25

REVISIONS	BY

Concrete Retaining Wall Details
 And Sections
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

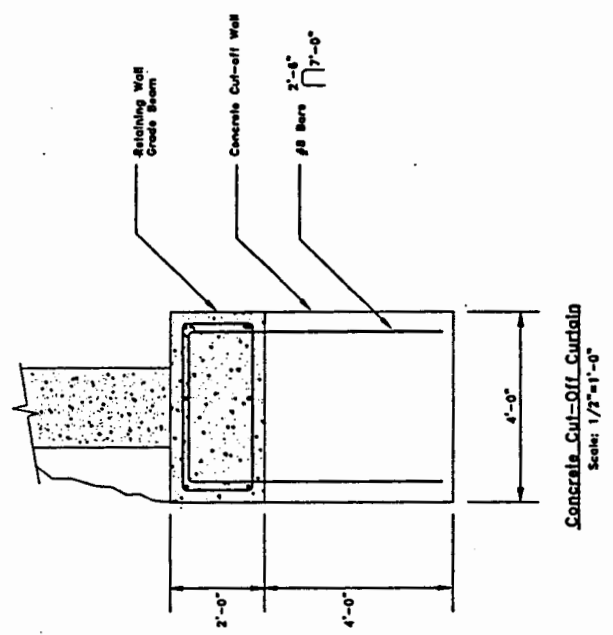
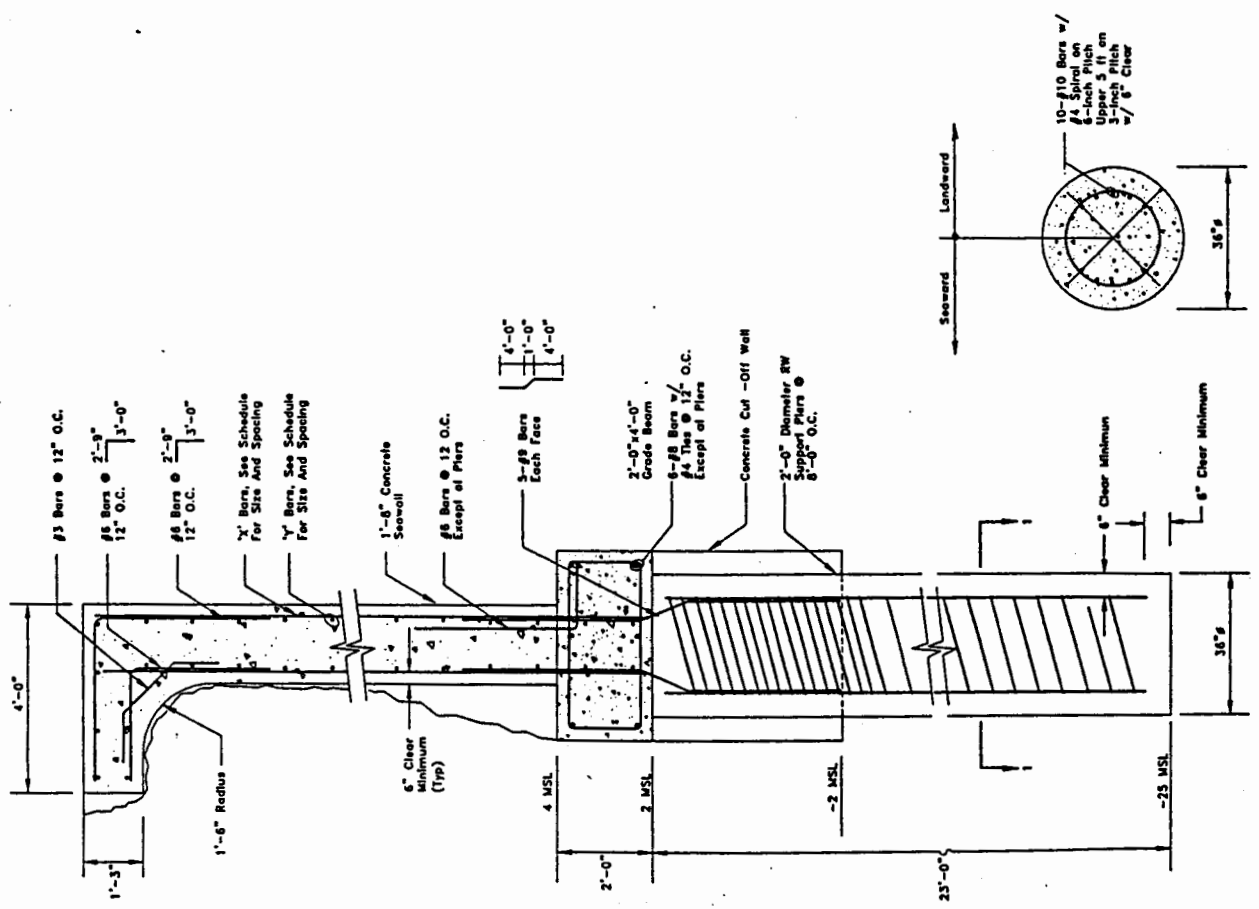
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 Walnut Creek, CA 94596
 Tel. No. (925) 210-2150
 Lic. # 668184



Date: 2/5/2004
 Scale: As Indicated
 Drawn: F.R.P.
 Job: 60156
 Sheet: S-26

Concrete Retaining Wall
 Steel Reinforcement Schedule

Height Above Top of Pier	'X' Bars	'Y' Bars
0 to 5'	#4 @ 12" O.C.	#4 @ 12" O.C.
6" to 10'	#4 @ 12" O.C.	#5 @ 12" O.C.
11' to 15'	#4 @ 12" O.C.	#6 @ 12" O.C.
16' to 20'	#4 @ 12" O.C.	#7 @ 12" O.C.
21' to 25'	#4 @ 12" O.C.	#8 @ 12" O.C.
26' to 30'	#4 @ 12" O.C.	#9 @ 12" O.C.



Concrete Cut-Off Wall
 Scale: 1/2"=1'-0"

Section 1-1
 Scale: 1/2"=1'-0"

Typical Retaining Wall Section
 Scale: 1/2"=1'-0"

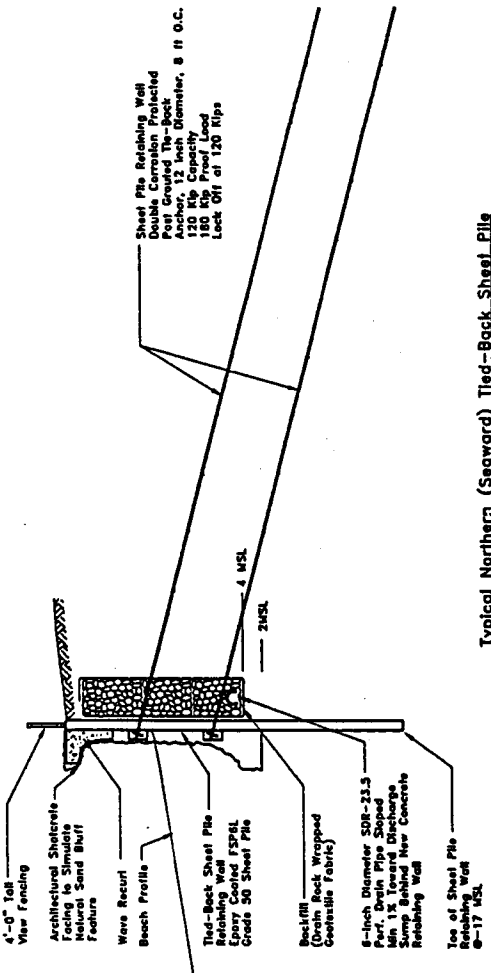
REVISIONS	BY

Sheet Pile Retaining Wall Section
 And Schedules
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

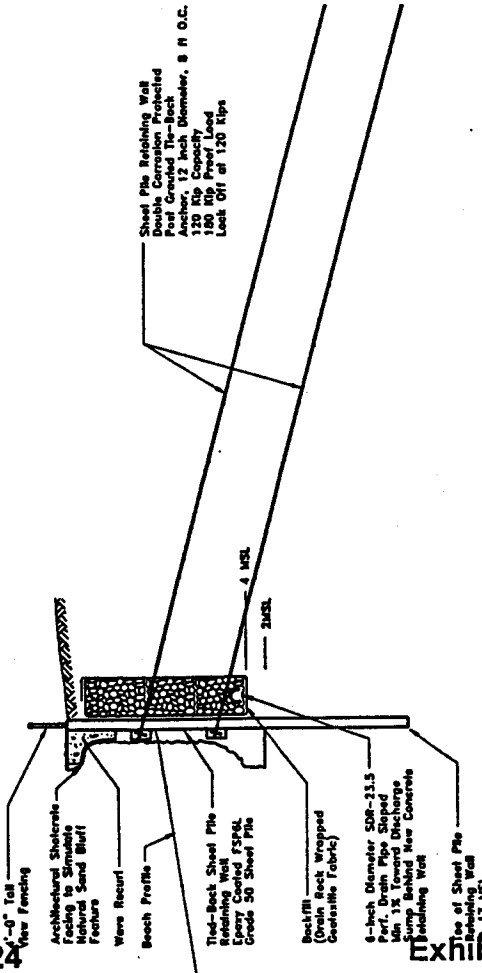
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 Tel. No. (925) 210-2150
 Lic. # 668184



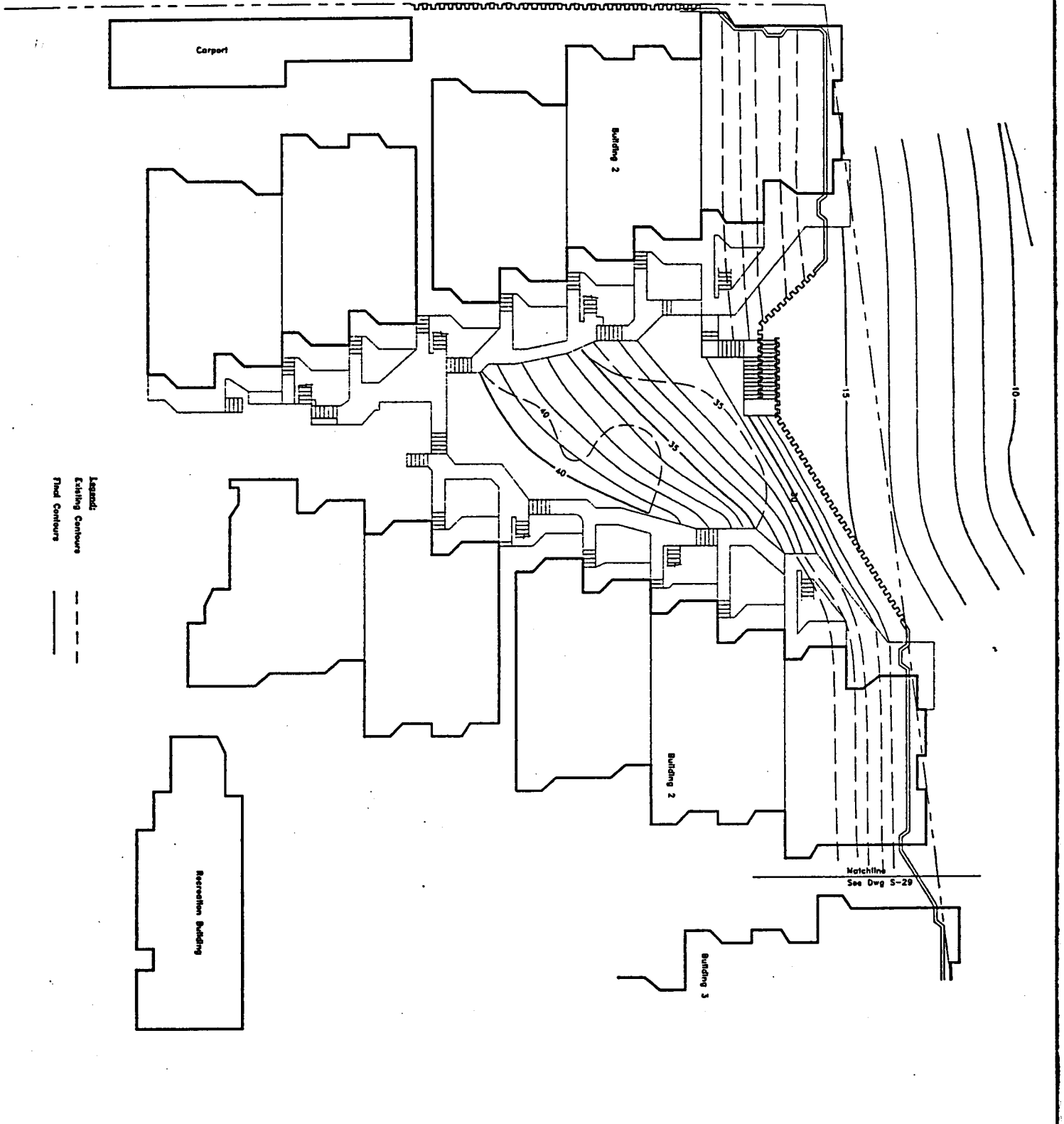
Date: 2/5/2004
 Scale: As Indicated
 Drawn: F.R.P.
 Job: 60106
 Sheets: 2-24



Typical Northern (Seaward) Tied-Back Sheet Pile Retaining Wall Section
 Scale: 1"=10'-0"



Typical Western And Eastern Return Tied-Back Sheet Pile Retaining Wall Section
 Scale: 1"=10'-0"



Legend:
 Existing Contours
 Final Contours



Engineered Soil Repairs, Inc.
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 Walnut Creek, CA 94596
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 Lic. # 668184

Common Area Grading Plan
 Between Buildings 1 And 2
 Ocean Harbor House
 1 Surf Way
 Monterey, CA

REVISIONS	BY

Sheet: S-28
 Date: 2/5/2004
 Scale: 1/16" = 1'-0"
 Drawn: F.R.P.
 Job: 60156



Ocean Harbor House Seawall
3-02-024

Exhibit 9
Pg 29 of 32

Recreation Building

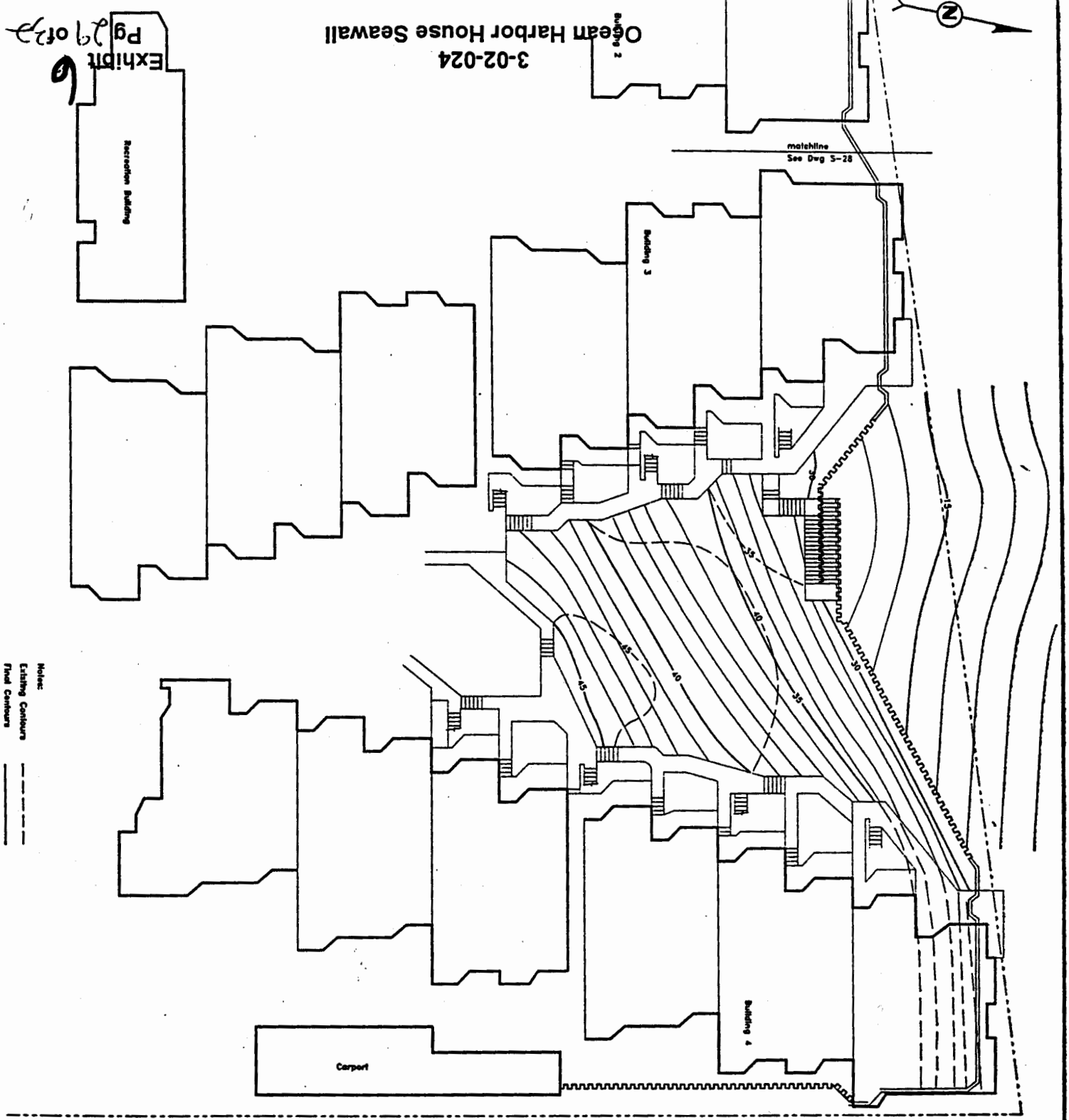
matchline
See Dwg S-28

Building 3

Building 4

Carport

Notes:
Existing Contours
Final Contours



Date: 2/3/2004
Scale: 1/16"=1'-0"
Drawn: P.R.P.
Job: 60188
Sheet: S-29
of 30 Sheets



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Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184

Common Area Grading Plan
Between Buildings 3 And 4

Ocean Harbor House
1 Surf Way
Monterey, CA

REVISIONS	BY

Epoxy Coated W10x54
Base @ -20 MSL
(Typical)
+4 MSL
Bottom Step

Ocean Harbor House
Sea Wall
9-02-02
9-02-02

Exhibit
Pg 30 of 32

4'x4' Reinforced
Concrete Landing
(Typ)
(F) Walkway

Note:
Provide Handrailing Per City Standards

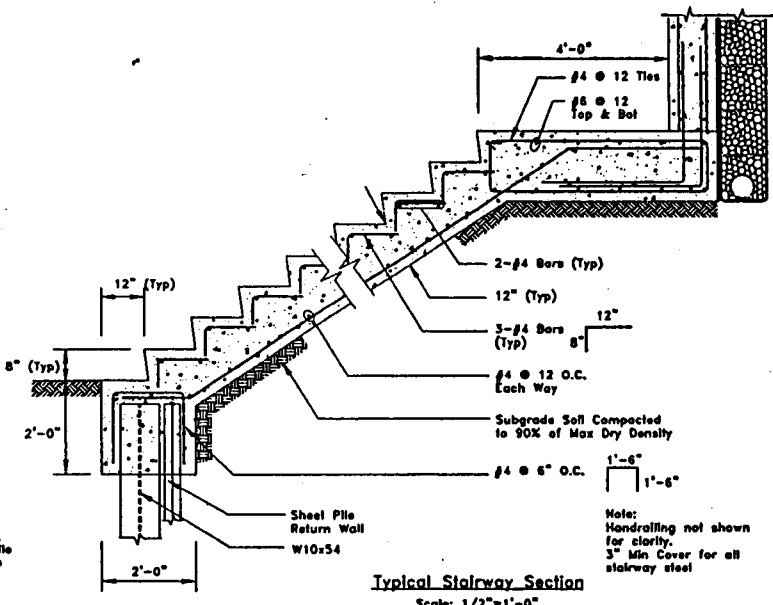
Stairway 1-2
Scale: 1/4"=1'-0"

Note:
Provide Handrailing Per City Standards

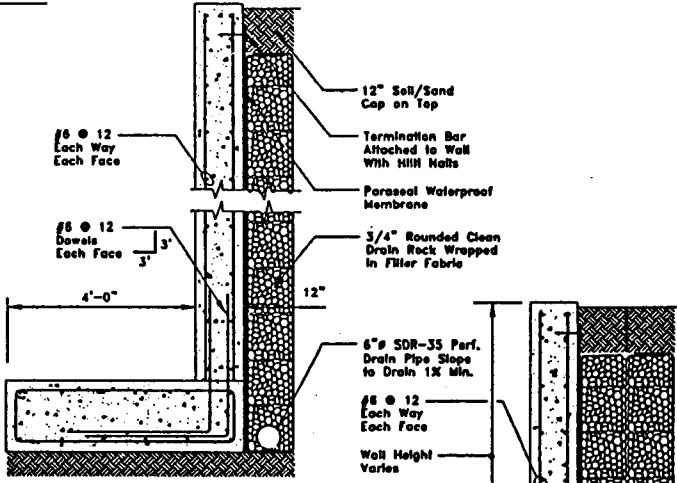
Stairway 3-4
Scale: 1/4"=1'-0"

Sheet Pile
Retaining Wall
(Typ)
Reinforced Concrete
Retaining Wall
(Typ)
4'x8' Reinforced
Concrete Landing
8" Over 12" Reinf
Concrete Stairway
(Typ)
Stairway Wall Subdrain,
Discharge into Sheet Pile
Retaining Wall Subdrain
(Typ)

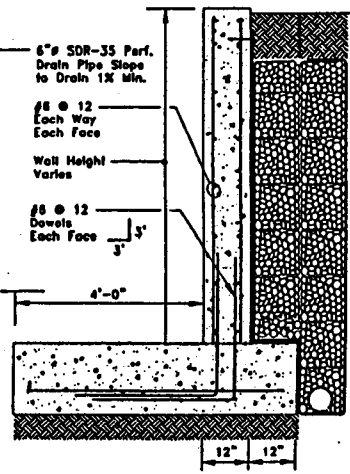
Sheet Pile
Retaining Wall 1'-6"
(Typ)
Reinforced Concrete
Retaining Wall
(Typ)
4'x8' Reinforced
Concrete Landing
8" Over 12" Reinf
Concrete Stairway
(Typ)
Stairway Wall Subdrain,
Discharge into Sheet Pile
Retaining Wall Subdrain
(Typ)



Typical Stairway Section
Scale: 1/2"=1'-0"



Typical Wall Section At Landing
Scale: 1/2"=1'-0"



Typical Wall Section At Steps
Scale: 1/2"=1'-0"

REVISIONS	BY

Stairway Details And Sections

Engineered Soil Repairs, Inc.

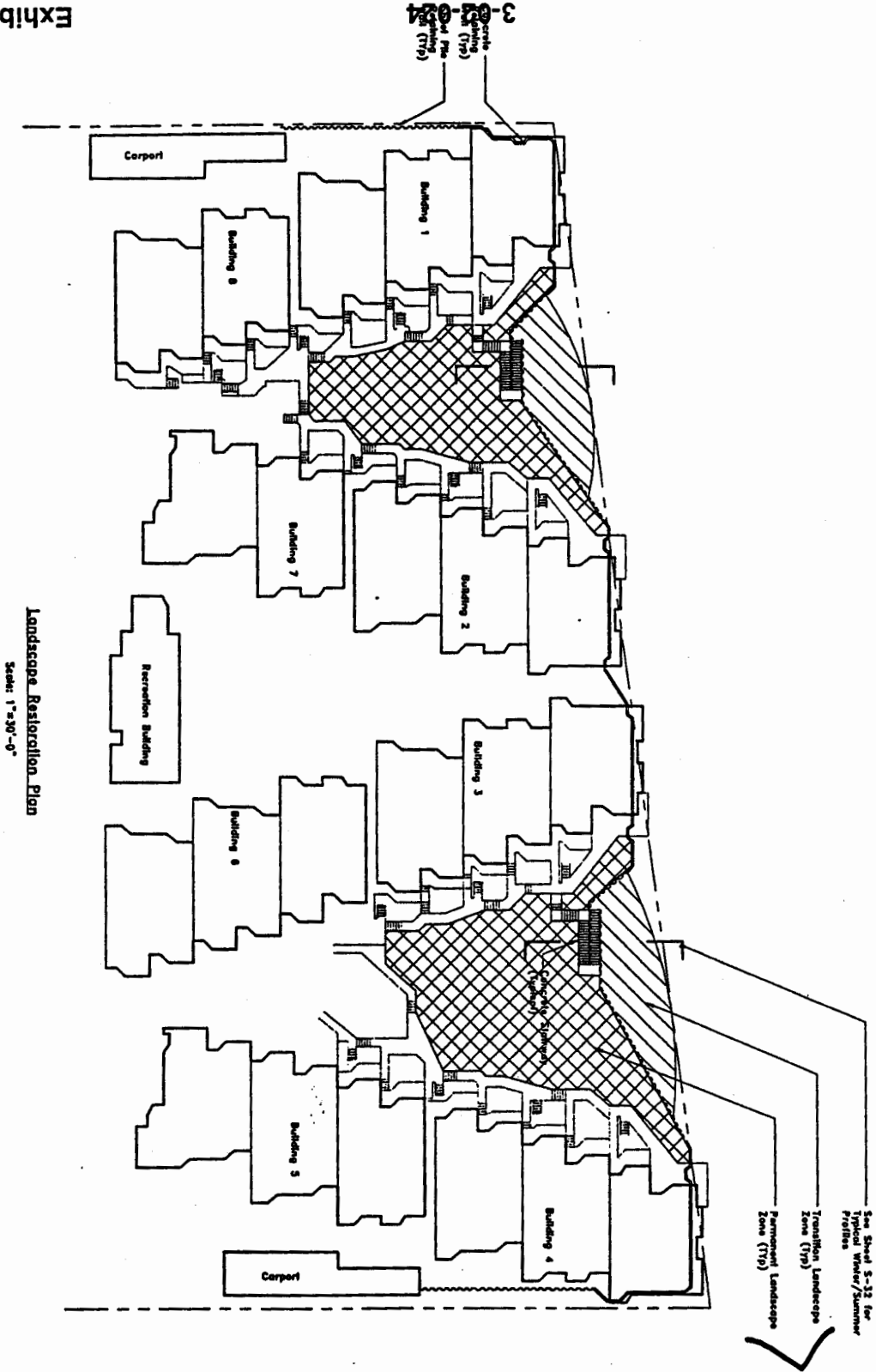
1267 Springbrook Road
Walnut Creek, CA 94596
Tel. No. (925) 210-2150

Lic. # 668184




Date:	2/5/2004
Scale:	None
Drawn:	F.R.P.
Job:	80158

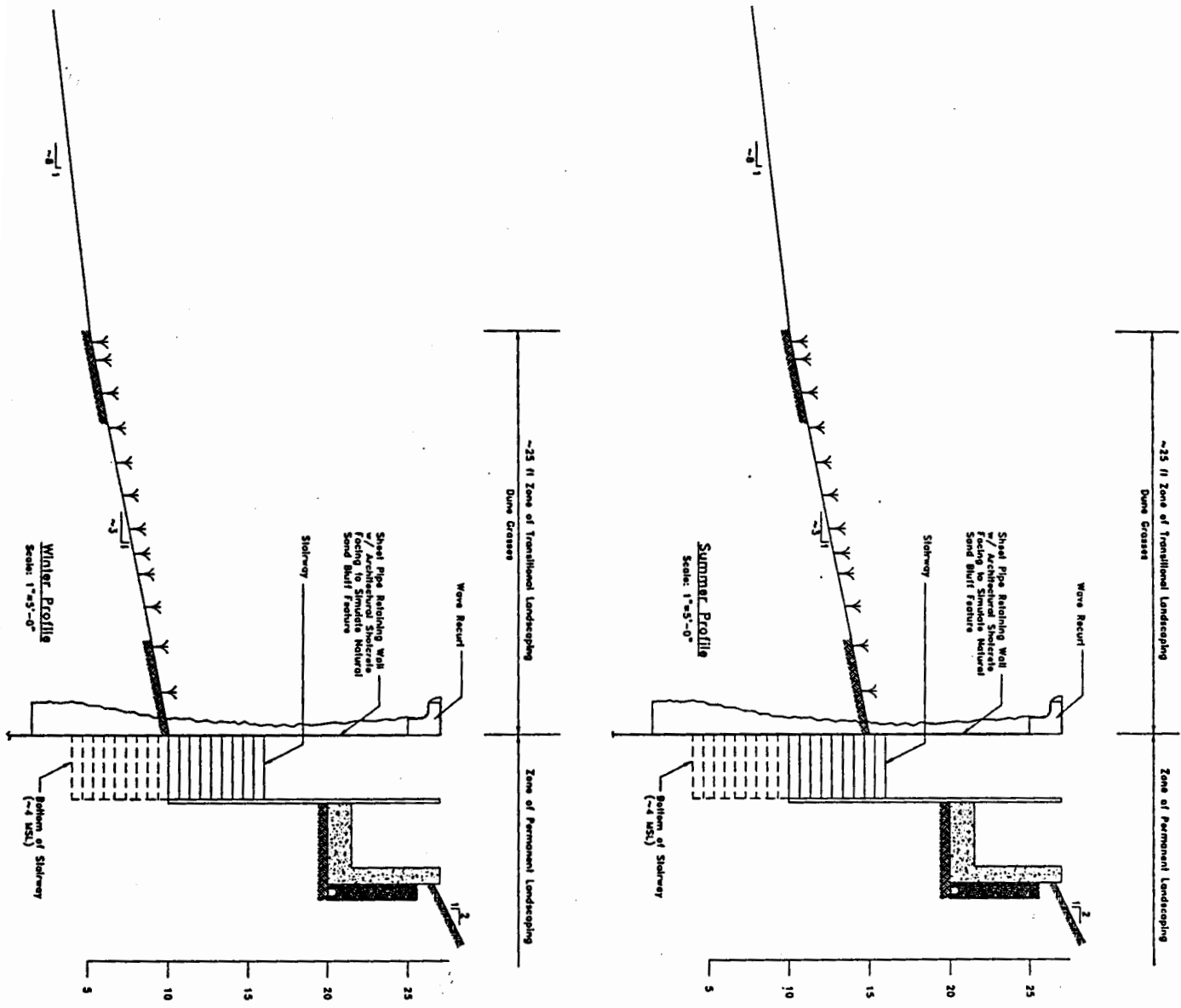
Sheet:
S-30




Landscape Restoration Plan

Scale: 1"=30'-0"

	<p>Engineered Soil Repairs, Inc. 1267 Springbrook Road Walnut Creek, CA 94596 Tel. No. (925) 210-2150 Lic. # 668184</p>	<p>Landscape Restoration Areas</p> <p>Ocean Harbor House 1 Surf Way Monterey, CA</p>		REVISIONS	BY
		<p>Date: 2/6/2004</p> <p>Scale: As Indicated</p> <p>Drawn: F.M.P.</p> <p>Job: 60158</p> <p>Sheet: S-31</p>			



 <p>Engineered Soil Repairs, Inc. 1267 Springbrook Road Walnut Creek, CA 94596 Tel. No. (925) 210-2150 Lic. # 668184</p>	<p>Typical Summer And Winter Beach Profiles</p>		<p>Ocean Harbor House 1 Surf Way Monterey, CA</p>	
	<p>Date: 2/5/2004</p> <p>Scale: None</p> <p>Drawn: F.H.P.</p> <p>Job: 50156</p> <p>Sheet: 2-32</p>	<p>REVISIONS</p> <p>BY</p>		

SEAWALL CONSTRUCTION SEQUENCE

The following generalized sequence of work, as provided by the Applicant, outlines the anticipated construction measures necessary for the proposed seawall installation. As part of the project, construction activities will commence before October 1st and be completed before March 1st to avoid disrupting potential snowy plover on the adjacent State Parks lands (biological impacts are discussed in Section 3.2 of this document). Therefore, the following sequence may be modified in response to weather conditions and to accommodate the snowy plover breeding season.

Phase I – Seaward Spread Foundation Shoring

This phase of the project will involve underpinning the most seaward spread foundation of the four buildings (#1, 2, 3, & 4) with 32 hand-dug reinforced-concrete piers and underpinning the most seaward entry deck bridge foundation of the four buildings with eight helical anchors. The hand-dug piers will vary in depth from 15 to 20 feet deep while the helical anchors will be a minimum of 15 feet deep as measured from the exterior grade.

It is anticipated to take approximately four to eight weeks to install the temporary, shoring piers for the first seaward spread foundation of the entry decks and the buildings. The work can be done during non-stormy periods of the fall/winter/spring season. A crew size of approximately 15 persons would be required, including field, safety and supervising personnel for the duration of this phase. Equipment required would include trucks for transportation, generator for electrical power, air compressor and digging tools for excavation and a portable drill rig for installing the helical anchors for a two-day period within the four-week time frame.

Additional traffic is anticipated to be no more than eight vehicles in the morning coming in and eight vehicles going out in the evening. All work will be within the property boundaries of the Ocean Harbor House development. However, a temporary encroachment permit will be required for construction traffic.

Phase II – Removal of the Sand Berm and the Rock Rip-Rap Slope Facing

Phase II of the proposed project will involve the removal of the sacrificial protective sand berm and temporary rock rip-rap slope facing across the seaward edge of the development. The sacrificial sand berm will be spread out across the width of the beach area while the rock rip-rap will be removed and off hauled away from the site.

This phase is anticipated to take approximately four weeks to spread out the sand berm and remove all of the rock rip-rap slope facing across the seaward end of the development. An estimated 20 persons including truck drivers, operating engineers, field, safety and

2.0 PROJECT DESCRIPTION

supervising personnel will be needed. Equipment utilized would include trucks for transportation, generator for electrical power, two quarry dump trucks for transporting the rock rip-rap across the beach to Surf Way, 10 end dumps for off hauling the rock rip-rap away from the site, three Cat 325 excavators (or larger) for loading the rock rip-rap into the quarry and end dump trucks and a D-5 Dozer to spread out the sand for the duration of the two week period.

It is anticipated that eight to 10 end dumps will be used to off haul the rock rip-rap. The trucks will make four to six round trips within an eight-hour day. It is estimated that the rip-rap removal will take three to four weeks. There will be a temporary encroachment of a 20 to 40 foot width across the City of Monterey property above the mean high tide line from Surf Way to the east end of the Ocean Harbor House development during this phase.

Phase III – Sewer Line Relocation

This phase of the project will relocate the sewer line to be beyond the 100-year erosion line on the landward side of the seawall. Across the seaward edge of the development the sewer line will be located on the landward edge of the sea wall. This will require relocating portions of the sewer line where the seawall angles back into the common area between Building 1 and 2 and the common area between Building 3 and 4. The sewer lateral to the city manhole at the west end of the development will be removed and disposed off site and a new sump installed with an automatic pump to discharge the sewage effluent into the city sewer manhole located on Tide Avenue. In case of a power or pump failure, there will be back-up power supply and pump system. An alarm will be triggered in the onsite manager's office in the event of an activation of the back-up system.

The relocation of the private sewer line will allow the abandonment and removal of the City sewer line that currently runs through Del Monte Park.

Sewer relocation and sump installation is estimated to take two weeks. This work can be done concurrent with Phase I or Phase II work. Ten persons, including operating engineers, field, safety and supervising personnel will be required. Equipment used during this phase will include trucks for transportation, generator for electrical power, air compressor and digging tools for excavations and a small backhoe for an aid in trenching in open areas.

No more than eight additional vehicles coming in the morning and eight additional vehicles going out in the evening are anticipated. This phase will establish a permanent five-foot wide sewer easement across the City of Monterey property to tie into the city sewer manhole on Tide Avenue.

2.0 PROJECT DESCRIPTION

Phase IV – Seawall Installation (Except East Return Wall by State Park Lands)

During Phase IV of the project a curvilinear seawall along the seaward and western end of the development will be installed. Under the seaward end of the buildings and the return ends of Buildings 1 and 4, the seawall will be a pier supported, tied-back, reinforced concrete retaining wall. Within the common areas and at the end of the development, the seawall will be a tied-back sheet pile retaining wall.

It will take approximately 20 weeks to complete the installation. A crew of approximately 30 persons including operating engineers, field, safety and supervising personnel will be used for the duration of the 20-week period. Equipment to be used includes: trucks for transportation, generator for electrical power, and a D5 dozer for grading the beach for the duration of 20-week period; a 325 Cat excavator (or larger) for excavations, drill rig for drilling pier and tie back holes, two cranes for moving sheet pile, casing pier holes and steel placement, and a pile driver for installing the sheet piles for a 14-week period within the 22-week period; a loader for backfilling behind the seawalls, four end dumps for transporting drain rock, for backfilling behind the seawalls for a two-week period within the 20-week period.

It is anticipated that the trucks will make from eight to 10 daily trips. This phase of construction will require a 20-foot wide temporary encroachment across the City of Monterey property above the mean high tide line from Surf Way to the east end of the Ocean Harbor House development as well as a 20-foot wide temporary encroachment across the City of Monterey property along the western edge of the development. Work areas are shown on the plans, and they will protect Tide Avenue landscaping.

Phase V – Storm Drain Line Work

Phase V of the project will involve the relocation of the storm drain lines to discharge into the city drain line off Surf Way. The storm drain water from the eastern portion of the development will be collected in a new sump with an automatic pump to discharge the storm runoff into the city storm drain line off Surf Way. This will enable the City to discontinue the use and ultimately remove the City Sewer line that currently runs through Del Monte Park. The final project drawings will reflect the tie in with the City system.

The storm drain line work is anticipated to take approximately two weeks. This work can be done concurrent with any of the phases of work. The crew will consist of 10 people including operating engineers, field, safety and supervising personnel. Equipment to be used includes trucks for transportation, a generator for electrical power, an air compressor and digging tools for an aid in excavations, and a small backhoe for an aid in trenching in open areas.

2.0 PROJECT DESCRIPTION

This phase of the work will only require trucks for transportation and trailer-towed equipment. Additional traffic is anticipated to be no more than eight vehicles in the morning coming in and eight vehicles going out in the evening. A permanent five-foot wide storm drain easement across the City of Monterey property will be required to tie into the city storm drain line from Surf Way.

Phase VI – Seawall Installation (East Return Wall by the State Park Lands)

During this phase, a tied back sheet pile retaining seawall will be installed along the eastern end of the development.

It will take approximately six weeks and a crew of 30 persons including operating engineers, field, safety and supervising personnel to complete the installation. Equipment used during this phase include a 325 Cat excavator (or larger) for excavations, drill rig for drilling pier and tie back holes, 2 cranes for moving sheet pile, casing pier holes and steel placement, and a pile driver for installing the sheet piles for a four-week period within the six-week period. A loader for backfilling behind the seawalls, four end dumps for transporting drain rock, for backfilling behind the retaining walls will be utilized for a two-week period within the six-week period.

It is anticipated that the trucks will make from eight to 10 daily trips. This phase of construction will require a 20-foot wide temporary encroachment across the City of Monterey property above the mean high tide line from Surf Way to the east end of the Ocean Harbor House development as well as a 20-foot wide temporary encroachment across the City of Monterey property along the western edge of the development. Work areas are shown on the plans, and they will protect Tide Avenue landscaping.

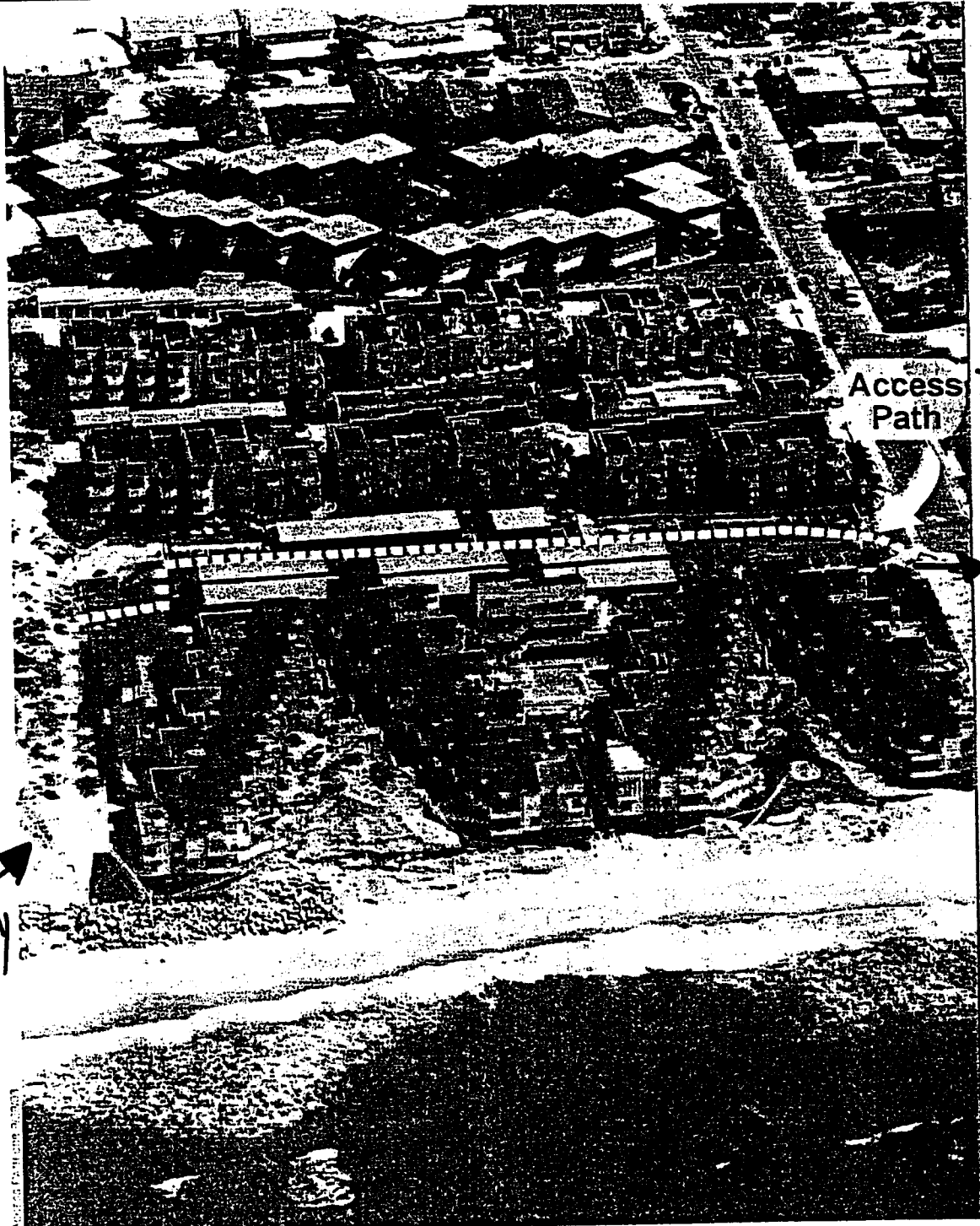
2.7 REQUESTED ACTIONS AND REQUIRED APPROVALS

This EIR provides the environmental information and analysis and primary CEQA documentation necessary for the City to adequately consider the effects of the requested development proposal. The City of Monterey, as lead agency, has approval authority and responsibility for considering the environmental effects of the whole of the project. In order to implement the proposed project, an application has been submitted to the City. Actions that would be taken relative to the project evaluated in this EIR include:

- Temporary Encroachment Permit;
- Permanent Storm Drain and Sewer Easements;
- Architectural Review Committee approval;
- Temporary Use Permit for the California State Parks Department;

3-02-024

Ocean Harbor House Seawall



STATE
PARKS
PROPERTY

Access
Path

through
parking
lot

City
park

SOURCE: ENGINEERED SOILS REPAIR - DATE UP

POTENTIAL PUBLIC ACCESS ROUTE THROUGH
THE OCEAN HARBOR HOUSE PROPERTY

Exhibit 8
pg 1 of 1

PMC
PACIFIC MUNICIPAL
CONSULTANTS

4.0 ALTERNATIVES TO THE PROJECT

greater than the proposed project. A number of primary objectives are left unsatisfied by both of these alternatives.

Alternative 4, the "Beach Replenishment Alternative" has greater environmental impacts than the proposed project. In addition, the "Beach Replenishment Alternative" does not meet the public's objective of complying with permit conditions of approval since the Alternative does not provide a "permanent solution" to the bluff erosion problems facing the Ocean Harbor House. Unless modifications could be made to this Alternative to make it a long-term solution and the associated impacts could be mitigated, this would not represent a feasible alternative.

A summary matrix is provided below, as Table 11, which compares each considered alternative with the proposed project.

TABLE 11
COMPARISON OF PROJECT ALTERNATIVES TO THE PROPOSED PROJECT

Environmental Category	Alt. 1 "No Project", "No Seawall"	Alt. 2 "Planned Retreat Alternative"	Alt. 3 "Relocation of Seaward Units Alternative"	Alt. 4 "Beach Replenishment Alternative"	Alt. 5 "Foundation Underpinning Alternative"
Aesthetics/Visual Resources	less	less	less	less	similar
Air Quality	similar	similar	similar	greater	similar
Biological Resources	greater	similar	similar	greater	similar
Geology, Soils and Coastal Erosion	less	less	less	less-similar	similar
Hazards and Hazardous Material	greater	less	less	less	similar
Hydrology and Water Quality	greater	greater	greater	greater	greater
Land Use	less	less	less	greater	similar
Noise	similar	similar	similar	similar	similar
Population and Housing	greater	greater	less	similar	similar
Public Services and Utilities	greater	greater	greater	greater	greater
Traffic	similar	similar	similar	greater	similar
Consistency with Project Objectives	less consistent	less consistent	less consistent	less consistent	less consistent

Greater = Impacts greater than those identified for the proposed project would result.
 Less = Impacts less than those identified for the proposed project would result.
 Similar = Impacts similar to those identified for the proposed project would result.
 Consistent = Alternative would be consistent with Project Objectives.
 Less Consistent = Alternative would be less consistent with Project Objectives

* Assumes sewer line and storm drains would not be relocated

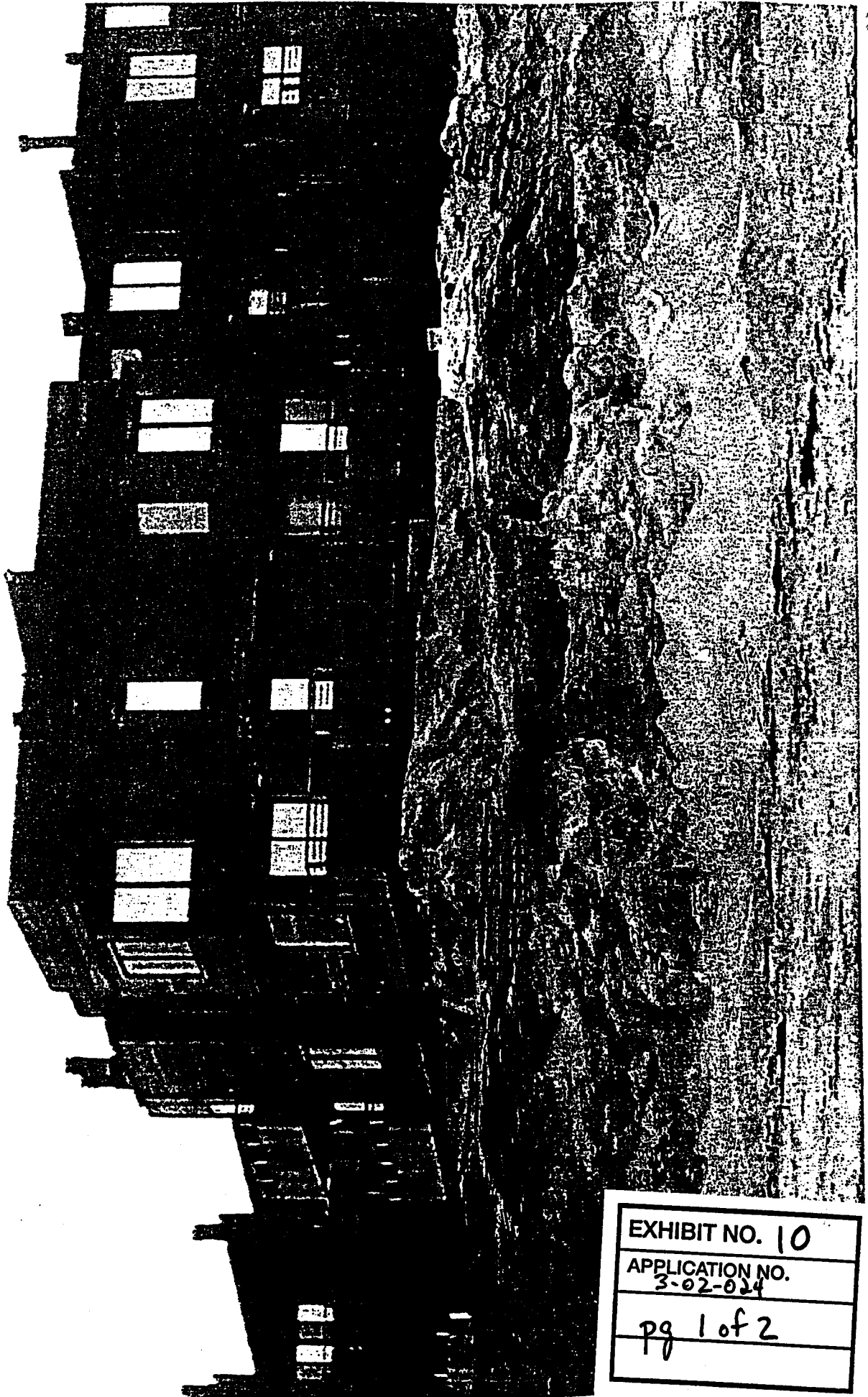


EXHIBIT NO. 10
APPLICATION NO. 3-02-024
pg 1 of 2

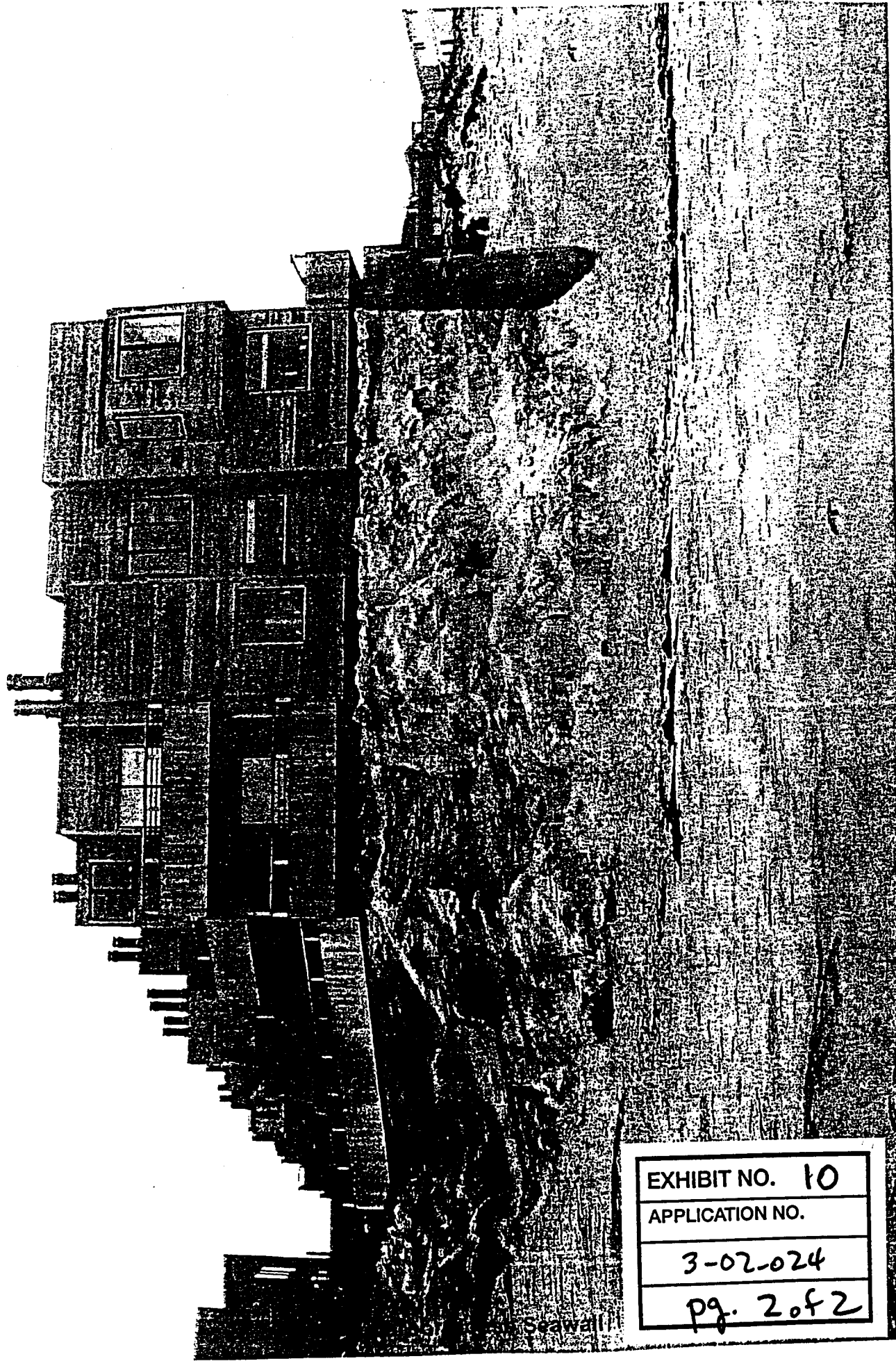


EXHIBIT NO. 10
APPLICATION NO.
3-02-024
pg. 2 of 2

Seawall

3.2 BIOLOGICAL RESOURCES

* removal and storm drain improvements are completed. Below is a description of the proposed planting plan as outlined in the *Preliminary Dune Planting Plan and Biological Assessment* prepared by Rana Creek Habitat Restoration.

Soil Stabilization

After construction is complete, and prior to planting and seed application, the sand shall be stabilized by utilizing clean weed free rice straw. The straw can be anchored by hand, or applied mechanically and secured using a tackifier.

Irrigation

No irrigation shall be used for the establishment and management of vegetation. Planting will be done in the late fall to take advantage of seasonal rainfall.

Fencing Maintenance

Inspections shall include temporary fencing during construction and restoration implementation. Fencing will consist of orange or green plastic mesh fencing. If there is any damage to the fencing, it shall be reported and repaired.

Direct Planting

Nursery grown plants and transplants shall be planted into areas where weed control has been implemented. The plants shall be placed in excavated basins and backfilled. The soils shall be firmly compressed at the base of the plant to preserve moisture. Each plant shall be watered after planting to a soil moisture depth of 12 inches.

Hydroseeding

The majority of the planting will be done from seed with a hydroseeder. This is for economic reasons, as the plants will not have to be grown in a nursery. Seed shall be uniformly mixed placing seed, water, mulch, fertilizer, and tackifier into the mix tank. Seed shall be applied in a slurry of seed, mulch, fertilizer and a plantago based tackifier. Mixing time shall not exceed 45 minutes from the time the seed contacts the water until the entire batch is discharged onto the prepared soil. The seed will be mixed with 150 pounds per acre "Gro-Power" 12-8-8 slow release fertilizer, if deemed necessary by the restoration contractor, 2,000 lbs./acre wood fiber mulch, and 100 lbs./acre "M" binder tackifier. Fertilizer may not be needed, and often only encourages weeds, as the native dune plants do not need additional nutrients to grow in sandy soil.

3.2 BIOLOGICAL RESOURCES

Planting and Seeding List

The following is a list of material proposed to be planted in the 8,500 square-foot restoration area:

TABLE 2 SEED MATERIAL

Scientific Name	Common Name	Seed (in pounds)
<i>Artemisia pycnocephala</i>	Beach sagewort	4
<i>Cammissonia cheiranthifolia</i>	Beach primrose	2
<i>Ericameria ericoides</i>	Mock heather	0.25
<i>Erigeron glaucus</i>	Seaside daisy	0.25
<i>Eriogonum parvifolium</i>	Dune buckwheat	0.75
<i>Eschscholzia californica var. maritima</i>	Beach poppy	0.5
<i>Lessinga filaginifolia</i>	Beach aster	0.25
<i>Lotus scoparius var. scoparius</i>	Coast deer weed	2
<i>Lupinus chamissonis</i>	Silver bush lupine	1

TABLE 3 LIVE PLANT MATERIAL

Scientific Name	Common Name	Size	Plant Spacing	Quantity
<i>Armeria maritima</i>	Sea thrift	6" cone	14" spacing in colonies	300
<i>Leymus mollis</i>	American dunegrass	6" cone	14" spacing in colonies	600
<i>Poa douglasii</i>	Dune bluegrass	6" cone	14" spacing in colonies	600

Weed Eradication

Weed control will not be required before seeding as the area will have been cleared by construction activities. After restoration planting is complete, weed control will be important. The non-native species within the restoration area shall not be allowed to seed. This will ensure a continual decline of the non-native species in the restoration area, and an eventual depletion of the seed bank of non-native plants.

3.2.2 REGULATORY SETTING

UNITED STATES FISH AND WILDLIFE SERVICE

Federal Endangered Species Act

Pursuant to the requirements of the Federal Endangered Species Act (FESA), a governmental agency reviewing a proposed project within its jurisdiction must determine whether any federally listed threatened or endangered species may be present in the project area and

3-02-024

Exhibit 11

16.13 NO FIXED TERM.

A. The Declaration shall continue in full force and effect until the Declaration is revoked pursuant to Subsection 15.1 of the Declaration, entitled "AMENDMENT OF DECLARATION".

16.14 BELOW MARKET RATE UNITS.

A. Certain Units listed in EXHIBIT "C" attached hereto, are subject to the restrictions on sale and/or lease according to Monterey City Ordinance 2416 C.S. as amended. The specific restrictions can be found in that certain Agreement entitled "Affordable Housing Agreement - Ocean Harbor House".

★ 16.15 COASTAL COMMISSION.

A. Owners are hereby made aware that as of the date of the recording of the Declaration, the Property may be subject to a Tsunami, storm wave, earthquake and coastal erosion, should any of these phenomenon occur in the proximity of the Development. The Owner and/or the Declarant hereby waives any and all rights, claims and actions they or either of them, have or may hereafter acquire against the California Coastal Commission, and its successors and assigns, for damages to personal or real property and/or for injuries to persons, in, upon or about the property arising out of any of the above-referenced events.

Declarant has executed this instrument as of the _____ day of _____, 1993.

OCEAN HARBOR HOUSE, L.P., a
California Limited Partnership

By: OCEAN HARBOR HOUSE GENERAL, INC.,
a California Corporation
General Partner

BY: _____
Thomas F. David, President

By: SURFSIDE STRUCTURES, INC., a
California Corporation
General Partner

BY: _____
Mark Lester, President

3.3 GEOLOGY, SEISMICITY AND COASTAL EROSION

propagated a short distance downcoast. This low reflected wave sometimes scoured the beach level by a foot or so in an arcuate-shaped pattern immediately downcoast from the end of the seawall and revetment. This was very localized and didn't extend any significant distance downcoast. There was no effect of the seawalls or revetments on adjacent property in any of the areas studied. Based on the shoreline orientation at the site, and the typical angle of wave approach, which is usually nearly normal to the coastline, it is not believed that the proposed concrete seawall will greatly increase the long-term dune retreat rates on the adjacent properties. It can be expected that there will be some moderate reflection off of the impermeable vertical sidewalls that may increase erosion locally adjacent to the wall end sections. However, this is considered to be a **less than significant** impact.

Passive Erosion (Peninsula Effect)

Impact 3.3-8 Over time, construction of the proposed seawall and armoring this section of the coast will result in an erosive condition that will further result in the loss of the beach width fronting the seawall structure. This is considered to be a **significant** impact.

A process known as passive erosion is probably the impact of seawall placement that has had the greatest effect on eroding coastlines. Wherever a hard structure (whether a seawall or a revetment) is built along a shoreline undergoing long-term net erosion, the shoreline on either side of the seawall or revetment will eventually migrate landward beyond the structure. Continued sea level rise is the major process responsible for the continuing retreat of the coastline globally. The effect of this migration will be the gradual loss of beach in front of the seawall or revetment as the water deepens and the shoreface moves landward. While cliff top structures may be temporarily protected, the beach fronting the structure is permanently lost. This process of passive erosion appears to be a generally agreed upon result of fixing the position of the shoreline on an otherwise eroding section of coast, and is independent of the type of seawall or revetment constructed. Passive erosion has been documented along many of the armored sections of the Atlantic Coast barrier islands, along the coast of California, Oregon, Washington and the Hawaiian Islands. The following are significant examples of passive erosion.

Stilwell Hall: The best local example of passive erosion is at Stilwell Hall, built on the bluffs of the former Fort Ord Army base (Figure 17). Erosion in the Fort Ord area is the

3.3 GEOLOGY, SEISMICITY AND COASTAL EROSION

most severe in Monterey Bay and long term erosion of the loose sandy bluffs averages six to eight feet/year. The ongoing retreat of the sandy bluffs (actually older dunes) threatened the foundation of Stilwell Hall years ago such that large volumes of loose rock and concrete rubble were dumped over the bluff and onto the beach throughout the last 30 years. While this temporarily slowed erosion in front of Stillwell Hall, erosion proceeded landward on either side such that the bluff edge is now 50 to 100 feet further inland both upcoast and downcoast. In addition, while a beach exists both upcoast and downcoast, the beach fronting the rock has now disappeared through passive erosion. This process has also been referred to as the peninsula effect. As this process continues, and the peninsula becomes more pronounced, littoral transport is obstructed. The beaches on either side may be separated from each other as the peninsula begins to act as a groin, inhibiting littoral sand transport.

Monterey Beach Hotel: A similar but less pronounced example of passive erosion is at the Monterey Beach Hotel, about a mile upcoast from Ocean Harbor House. The hotel was built on the low dunes directly above the beach in 1968. In order to provide protection from wave attack, a concrete sheet pile sea wall was constructed that extends across the entire frontage and then shoreward along both the north and south flanks (Figure 18). Wave run-up overtopped the wall during the severe 1982-83 ENSO winter and led to piping of fill through the joints between the panels and the formation of several large collapse pits behind the wall. Eventually these joints were grouted. Reported retreat rates in this area range from about two to five feet per year. As erosion has progressed, the dune edge has retreated landward of the fronting seawall.

In the December 2002 storms, beaches around Monterey Bay suffered serious erosion. Severe wave attack and loss of sand at the Monterey Beach Hotel led to undermining of the south flank of the seawall and partial collapse with loss of a portion of the parking lot (Figure 19). In mid-December emergency rip-rap was emplaced along the collapsed south flank and along the entire ocean frontage.

The Monterey Beach Hotel seawall was built diagonally to the shoreline, such that the south end extends further seaward than the north end. As a result of continued dune retreat and the erosion of December 2002, the dune scarp, about 12 feet high in January 2003, was approximately 100 feet landward of the front edge of the seawall. A peninsula has been created such that at high tides there is no beach or access in front of the seawall. The case history of this seawall and the passive erosion and peninsula effect that now exists, provides a clear parallel to the proposed seawall at Ocean Harbor House and a useful perspective of what could be expected in the future. If long-term erosion rates continue at the Monterey Beach Hotel site, it can be expected that the peninsula effect will continue to expand due to passive erosion at the flanks and that lateral access in front of the wall will be progressively reduced.

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Ocean Harbor House: Given the continuing retreat of the low sandy bluff in the Ocean Harbor House area, and barring any significant reduction in the one to two feet/year average long-term annual retreat rate, it can be expected that fixing the position of the coastline in front of the development will lead to the loss of the fronting beach over time. Thus the frontal units of Ocean Harbor House will become the leading edge of a peninsula. This process has already begun with the erosion of the low bluffs that has taken place over the past few winters, along the south side of Building 1. The bluff edge, while now armored with temporary rip-rap, has retreated about 20 feet landward beyond the first or most seaward concrete pier (previously shown in Figure 10). Along the upcoast or northern flank adjacent to Building 4, bluff erosion proceeded right to the first row of concrete piers, until temporarily halted by the emplacement of emergency rock during the 2001-02 winter (Figure 20).

Using aerial and ground photographs, the history of dune retreat at the site can be documented. Photographs taken in the 1970s, shortly after construction in 1969, show a significant amount of dune seaward of the frontal units (previously shown in Figure 15). During the severe 1982-83 ENSO winter, however, the dune was cut back and erosion began to threaten the front apartments (previously shown in Figure 12). Because the timber pilings supporting the apartments were very shallow, concern with continued dune erosion and possible undermining of the pilings led initially to placing heavy geotextile fabric across the eroded scarp fronting the complex in a emergency effort to slow erosion. Later in 1983, a temporary revetment was constructed across the entire frontage, although there was still about 20 feet of dune remaining between the crest of the rip-rap and the first row of pilings. Three thousand eight hundred tons of rock provided temporary winter protection for the apartments, although the rock had to be placed on city beach because the structures and their supporting pilings were built right at the property line.

By 1984, the continuing erosion of the dune edge at the northern end of the complex had exposed oil pipes that were part of an earlier Phillips Petroleum facility that presumably pumped oil onshore to storage tanks (Figure 21). By January 2003, erosion had progressed further inland such that at least an additional fifty feet of pipe and two concrete support structures that weren't visible in 1984 were now exposed and had collapsed onto the beach. A twelve-foot high scarp exists here which will continue to retreat.

The impact of the 1983 emergency revetment was analyzed through the EIR process by Earth Metrics Incorporated (1984) and ultimately the rock was removed and the front units were re-supported by sixteen, four-foot diameter, 50-55 foot deep, reinforced concrete piers connected by grade beams. Four of these deep piers were used to support each of the front buildings. All of the remaining support, however, is provided by shallow spread footings, which would be susceptible to failure if continued dune retreat were to take place. The 1997-98 ENSO event again led to significant dune and beach erosion such that the dune edge retreated to the front edge of the Ocean Harbor House.

3.3 GEOLOGY, SEISMICITY AND COASTAL EROSION

Winter waves in December 2001 continued to attack the dune edge at the south end of the condominium complex with erosion moving the dune crest landward to the second concrete caisson (previously shown as Figure 15). This led to the emplacement of the second cycle of temporary rock protection due to the threat of continued erosion, which would ultimately undermine the shallow spread footing and timber piling support system. This erosion extended even further landward in the area between Units 1 and 2.

There are no significant differences in the conclusions of the many studies that have been carried out in the Ocean Harbor House area regarding dune retreat. The *Report on Repair/Mitigation Alternatives to Address the Bluff Retreat Erosion Problems with the Monterey Ocean Harbor House Development* prepared by O'Connor and Flick in 2002 includes a cross-section diagram from earlier survey work by Rogers Johnson & Associates and Haro, Kasunich & Associates, who have both studied and worked extensively on the site. This cross-section includes the December 12, 1983 beach/bluff profile (Figure 22) which shows the dune scarp or edge about 16-18 feet from the first caisson. The diagram then depicts a set of projected profiles proceeding landward in ten-year increments utilizing a 1.7 feet per year average retreat rate, which is consistent with measurements of retreat at the site. In twenty years, the projected dune edge intersects the 2nd row of caissons, which is precisely where the scarp is at present. Without any armor the shallow spread footings supporting the next landward building would be undermined within the next ten-year period.

As discussed previously, there is no indication that the retreat of the shoreline has slowed, despite the termination of sand mining from the beaches of southern Monterey Bay about 15 years ago. Nor is there any reason to believe that this process will change in the near future. If the proposed seawall were to be constructed as proposed, passive erosion on the upcoast and downcoast flanks would continue, and the Ocean Harbor House peninsula will extend further and further seaward over time with the same result as is taking place at Stilwell Hall and at the Monterey Beach Hotel (Figure 17 and 18). With the emergency rock removed and a seawall in place today, the peninsula would extend about 20 feet seaward of the dune scarp on the downcoast flank of Ocean Harbor House. At the upcoast edge, the unprotected dune edge is at approximately the location of the proposed wall. Projecting ahead ten years (to the year 2013), the peninsula would extend about 45 or 50 feet seaward at the downcoast flank. If the actual average rate of dune retreat rate were two feet per year, this erosion would be greater and the peninsula effect more pronounced. This trend would continue into the foreseeable future, increasing on average each year by 1.7 to two feet.

In the O'Connor and Flick report there is a discussion of historical beach profiles in the area collected by researchers Dingler and Reiss (2002) who began surveying a number of Monterey Bay beaches following the severe winter of 1983 and extending through the 1997-98 El Nino. Throughout most of this 15-year period the surveys included both a

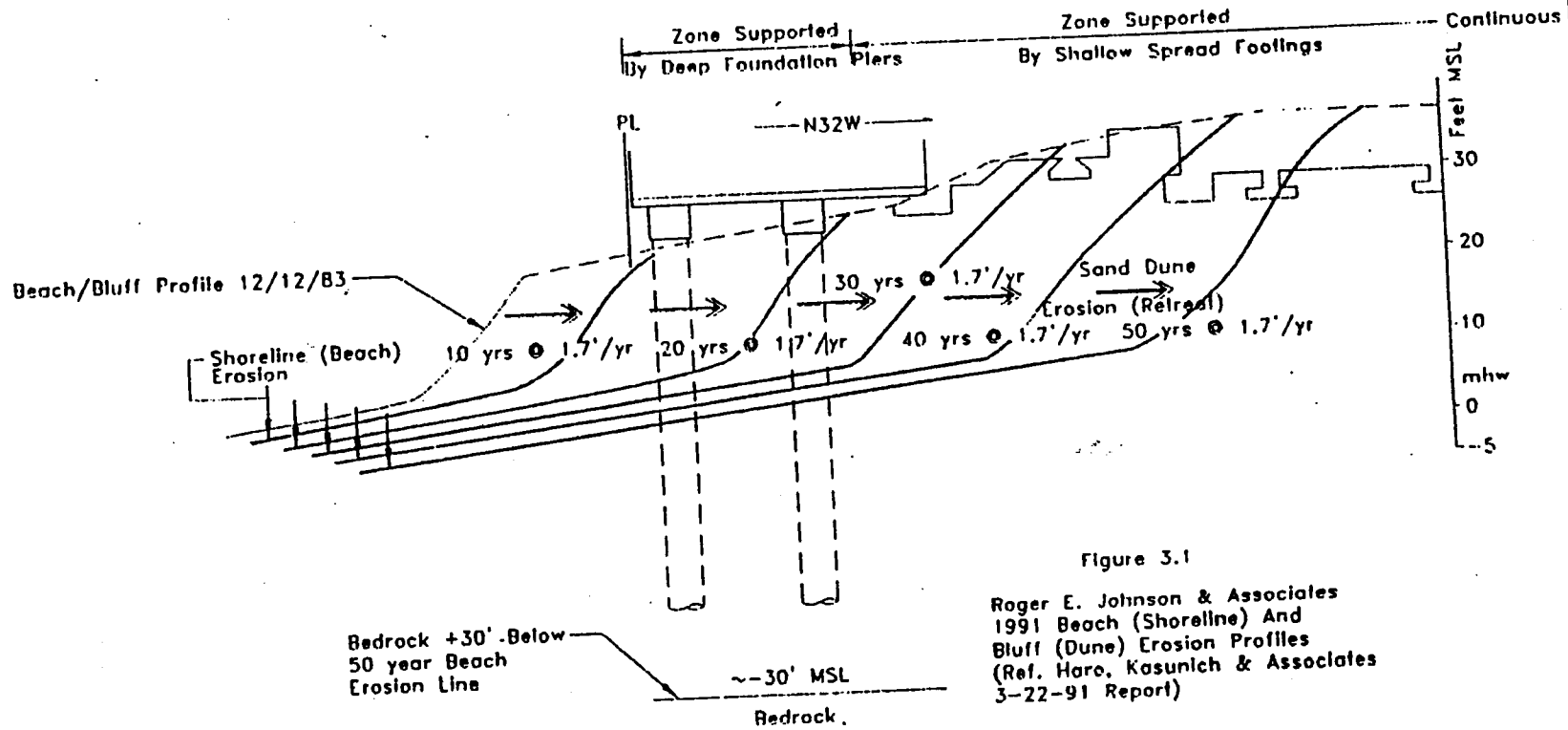


Figure 3.1

Roger E. Johnson & Associates
1991 Beach (Shoreline) And
Bluff (Dune) Erosion Profiles
(Ref. Haro, Kasunich & Associates
3-22-91 Report)

3.3 GEOLOGY, SEISMICITY AND COASTAL EROSION

winter and a summer profile. O'Connor and Flick include a plot of the beach widths at Del Monte Beach during this 15-year period in their report, which starts with a significantly eroded 1983 winter profile. While both the winter and summer beach widths oscillate expectedly during this period, there is a general increase in the beach width as it recovered from the 1983 winter but a decline in width since 1995, similar to a number of other beaches surveyed by Dingler and Reiss. One odd aspect of the data is that the two greatest widths are listed as winter profiles (1985 and 1992). O'Connor and Flick conclude, based on the location of the intersection of the beach profile with the 0 elevation datum (NGVD or National Geodetic Vertical Datum) that the beach has been widening during this time period. Based on this conclusion, they state in their Executive Summary that "*Passive erosion, the primary negative effect of many seawalls backing beaches in retreat, is likely absent, since the beach seems to be widening*". While there have been periods between 1983 and 1998 when the intersection of the beach with the 0 datum has moved seaward (not unexpectedly), the more recent surveys, as well as the erosion history of the site over the past five years make it clear that dune erosion is continuing, which is why the emergency rock was emplaced and why the seawall is being proposed.

O'Connor and Flick (2002) also acknowledge that the dune edge has continued to retreat and utilize the Rogers Johnson & Associates and Haro, Kasunich & Associates dune retreat projection to approximate where the dune scarp will be in ten-year increments into the future. All evidence indicates that retreat of the dune edge will continue, which leads to passive erosion on the flanks of Ocean Harbor House and an increasing peninsula effect. The peninsula effect will result in loss of public beach fronting the Ocean Harbor House with a subsequent loss of public lateral access and recreation. In addition, as the beach becomes narrower, there is risk of injury to swimmers at high tides and to beachgoers that may get caught between the wall and high surf. (See also Impact 3.3-9).

The proposed seawall will result in a significant erosive condition that alters the shape of the shoreline in front of and on either side of the structure over time (the "peninsula effect.") This impact is considered to be a significant environmental consequence of the project.

Mitigation Measures

Beach sand replenishment was considered as mitigation for this impact. As mitigation, the Applicant would be required to design and implement a beach replenishment program for the Ocean Harbor House to maintain a sand beach no less than 3,000 feet in length and 100 feet wide. This length would be centered on the Ocean Harbor House and would extend from the State Parks property, west past Ocean Harbor House, along the City Park and the Del Monte beach re-subdivision to the sewage treatment plant near the NPS property.

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As part of the replenishment program, sand would be imported from an acceptable and environmentally compatible off site source, discharged along the shoreline fronting the Ocean Harbor House and then spread out along the beach. Because the extended portion of the beach will erode away with time, the area would be re-nourished regularly. The frequency of re-nourishment would be a function of the combined effects of storm wave attack and tidal height or sea level at the time of the wave attack but would occur as needed to maintain the sand beach as described above.

Implementation of the mitigation measure described above would ensure that an appropriately sized replenishment project is designed and implemented for the Ocean Harbor House area. Continued periodic re-nourishment would maintain the beach fronting the Ocean Harbor House at a width that would preserve lateral beach access. Beach sand replenishment is the only mitigation for the proposed project that may hold back the passive erosion process (the "peninsula effect") and the consequential secondary impact of loss of lateral access.

Although a replenished beach would provide protection of the sand dune bluff for moderate storm events, it would not protect the beach during severe storm events. Therefore, it is expected that the replenished beach would reduce the rate of, but not eliminate, the erosion of the sand dune bluff that provides protection for the Ocean Harbor House development. Due to the fact that this measure only offers temporary and limited protection for the Ocean Harbor House, and due to impacts of sand replenishment discussed under Alternative 4 in Section 4.0 of this document, beach replenishment is not recommended as a feasible mitigation measure.

The peninsula effect is therefore a **significant and unavoidable** impact of the proposed seawall in the long-term, for which there is no feasible mitigation other than alternatives discussed in Section 4.0 of this EIR.

It should be noted that although this impact is considered an unavoidable effect of the project, it is also an unavoidable effect of the existing condition. If the revetment were to be continually repaired and fortified, the peninsula effect would occur and occur faster, as the revetment extends further seaward than the proposed wall. With the rip-rap completely removed (the "No Project Alternative" described in Section 4.0 of this document) there would be no passive erosion or peninsula effect because there is no armor or resistant structure in place to fix the position of the shoreline. However, the bluff edge would continue to retreat beneath Ocean Harbor House, gradually undermining the more landward units.

3.3 GEOLOGY, SEISMICITY AND COASTAL EROSION

Loss of Lateral and Vertical Beach Access

Impact 3.3-9 The proposed seawall will impede or eliminate the existing lateral access along the beach over the long term. This is considered to be a **significant** impact.

The impact of any structure on lateral or vertical coastal access will vary depending upon the geometry of the protective structure, and how far it extends out onto the beach. A vertical concrete seawall, for example, such as the one proposed to protect Ocean Harbor House (and the one protecting the Monterey Beach Hotel as shown in Figure 23) has a relatively small footprint, typically only a few feet in width or cross-shore thickness. Thus there is relatively little beach encroachment. On the other hand, a sloping revetment, such as the first emergency rip-rap emplaced in 1984 to protect Ocean House (Figure 13), or the present emergency revetment (Figure 24) has a much larger footprint. With a maximum stable slope of 1.5 to 2:1 (horizontal to vertical), and a height of 25 feet, a revetment could extend approximately 37 to 50 feet seaward onto the beach, as is currently the case.

Depending upon the time of year (and therefore beach width), tidal stage, and wave conditions, a revetment can completely block lateral access along the beach fronting the structure. During a site visit on January 26, 2003, it was evident that the previous high tide (+5.7 ft) reached to the base of the temporary rip-rap, thereby blocking lateral access. While the proposed vertical seawall wouldn't extend any significant distance seaward, during winter high tide and or storm wave conditions, lateral access along the beach in front of the wall would be significantly (albeit periodically) reduced or eliminated as surf directly impacts the seawall.

Since the footprint of the seawall is much smaller than the existing rip-rap, the proposed project will initially result in a slight widening of the beach as the emergency material is removed. However, as discussed under Impact 3.3-8 above, the proposed seawall will result in an increasing peninsula effect over time. This will lead to the progressive loss of beach and reduction of lateral access in front of the proposed seawall, estimated at 1.7 to 2 feet per year. As this process continues, the percentage of time when beach access is restricted will gradually increase until some point in the future when the beach is lost altogether.

As currently proposed, the project would include an elevated public walkway along the project frontage to maintain lateral public access. Although feasible, this impact of the project will reduce the expansive lateral beach access currently available most of the year in front of the complex, replacing that access with a concrete walkway. To ensure adequate access, and coordination with the State Park lands to the east, the following measure is provided. Vertical access will be affected by the wall and is addressed by the concrete stairways. However, compared to the existing revetment condition (which blocks vertical access), impacts regarding vertical access are not considered significant.

3.3 GEOLOGY, SEISMICITY AND COASTAL EROSION

Mitigation Measures

MM 3.3-9 The Applicant shall be required to provide a public lateral access route through the Ocean Harbor House property. Access can be provided along the frontage as proposed, or through another part of the property if the elevated walkway is considered a safety hazard by the approving agencies. Any elevated walkway along the frontage will provide for gates to restrict access during dangerous surf conditions.

Any plan for lateral access will be coordinated with the State of California State Parks and Recreation, and any required easements from State Parks shall be secured. All final access plans shall be prepared in accordance with City of Monterey Local Coastal Program Guidelines for Required Public Access Improvements (Section II.J), and shall be submitted to the City for review and approval prior to issuance of a building permit.

Implementation of the above mitigation measure will reduce the potential impacts of loss of lateral access to a less than significant level by ensuring public lateral beach access throughout most times of the year.

Cumulative Impacts and Mitigation Measures

The project will not combine with any other factors or projects and, thus, is not significant due to the localized, site-specific nature of geotechnical and seismic impacts. Because the project will not combine with the effects of other projects to have an impact greater than the projects individually, no significant cumulative impacts are predicted relative to geology, geologic hazards, seismicity or coastal erosion. Cumulative development would result in no cumulative impact.

SAND LOSS MITIGATION IN LIEU FEE

The Coastal Commission acknowledges and the Applicant agrees that the seawall will result in loss of sand on the beach over time. The Commission also acknowledges and the Applicant agrees that due to the anticipated increase in the level of the ocean that even if the sand loss resulting from the seawall were fully restored there will be significant beach loss over time along the Monterey Bay from Seaside to Wharf No. 2 unless a regional effort is made to address the underlying causes (See Appendix A).

After calculating the anticipated cost of sand replenishment resulting from installation of the seawall utilizing the methodology adopted in the Coastal Commission's pilot sand replenishment project in San Diego, and providing a credit for other mitigation measures which are outlined in Appendix B, the Applicant shall be required to pay an annual fee of \$ ___ per unit for the next 50 years, for each of its dwelling units (currently 172), in lieu of being required to replenish lost sand, in accordance with the following terms and conditions:

- Applicant shall place the annual fee proceeds in a separate interest bearing account in Applicant's name and said proceeds shall remain in that account for seven years unless the Applicant elects to utilize some or all of the money before then as provided below. Applicant shall submit an annual financial statement to the Coastal Commission concerning this account.*
- In the event a regional effort recognized by the Coastal Commission is initiated within said seven years, which effort is designed to address underlying causes which will continue to result in significant beach loss along the Monterey Bay from Seaside to Wharf No. 2, Applicant may in its discretion contribute some or all of this in lieu fee over some or all of the next 50 years to said regional effort. This contribution from the Applicant's members to a regional effort shall be credited against any region-wide fee which may be subsequently imposed on property owners in the vicinity in order to advance said regional effort.*
- In the event that such a regional effort has not been initiated within said seven years, or such has been initiated but the Applicant has not designated all of this in lieu fee to be contributed to such regional effort, the Coastal Commission may, in its discretion, utilize some or all of the in lieu fee balance over some or all of the balance of the fifty years, for any legitimate project that enhances beach restoration or which accommodates the general public's access to or use of the beach along Monterey Bay between Seaside and Wharf No. 2, including but not limited to a beach replenishment program.*
- In the event the Coastal Commission is unable to find a suitable (e.g. compliant) project to fund with some or all of the remaining in lieu fee within seven years, the balance of the fund shall be returned to the Applicant and the Applicant shall have no further duty to make annual in lieu fee payments.*

Appendix A

ILLUSTRATION OF REGIONAL PROGRAM

This is an illustrative outline of the type of regional program that would be eligible for contributions from Ocean Harbor House.

Program Goal

The goal of the regional program is to rebuild and stabilize the beach along Monterey Bay from Wharf No. 2 to the City of Seaside

Ocean Harbor House Involvement

Ocean Harbor House needs a seawall with or without a regional program. Likewise, the need for the regional program exists whether or not the seawall is built.

The construction and existence of the seawall will contribute to a recreational impact to the frontal sandy beach. Access is already addressed by the proposed lateral and vertical trail through the property and onto State parkland then back to the beach. However, no mitigation has been identified for the recreational impact. A regional program designed to provide sand nourishment would be a suitable mitigation measure.

Impacts to the dune vegetation on the sides of the property and on the former frontal dune are being mitigated on City parkland, on common area and on adjacent State parkland along the vertical trail. Also, an additional \$20,000 of dune restoration will take place on State parkland pursuant to a requirement of a prior State permit.

Ocean Harbor House can implement the base structure for the regional program through formation of a Geological Hazard Abatement District ["GHAD"] - pronounced 'gad' - in the same manner it is doing on a smaller scale in order to establish an entity to oversee and fund its seawall, and contribute some or all of its sand replenishment in lieu fee towards this regional effort. The process will be to identify a lead agency to coordinate the planning, analysis and implementation of a regional solution once the GHAD is formed.

Appendix B

ADDITIONAL MITIGATION MEASURES

In addition to the sand loss mitigation in lieu fee, Ocean Harbor House is being required to do the following:

- *relocate the City's existing sanitary sewer line to improve beach access and avoid sewage spill into the Sanctuary*
- *complete implementation of a native dune restoration/landscaping plan*
- *hire a biologist to conduct a survey concerning the black legless lizard*
- *provide for vertical and lateral public access across private property*
- *connect public access trail to beach across State parkland*
- *remove loose debris situated on the State Park beach*
- *maintain vertical and lateral public trail including that portion on State land*
- *pay \$20,000 to State Park for sand dune habitat restoration.*

BERDING & WEIL LLP

ATTORNEYS AT LAW

ALAMO, CA
SACRAMENTO, CA
SAN FRANCISCO, CA
SCOTTSDALE, AZ

RECEIVED

September 3, 2004

SEP 03 2004

CALIFORNIA
COASTAL COMMISSION
CENTRAL COAST AREA

VIA FACSIMILE TO 415/904-5400 AND U.S. MAIL

Charles Lester, Deputy Director
California Coastal Commission
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219

Re: Ocean Harbor House Seawall

Dear Charles:

As you are undoubtedly aware, we have now had our conference call between representatives of the Ocean Harbor House Condominium Association [OHH] and members of the Coastal Commission staff. I appreciate the amount of time you and your staff have given us. I wish you had been able to join us during the call.

The purpose of this letter is to encourage you not to abandon consideration of a condition requiring OHH to implement a regional effort to nourish and replenish beach sand, rather than imposing some other type of condition.

Let me be quick to add that the OHH Board of Directors has not agreed to support any mitigation measure on behalf of its members and I am not intending to lobby for imposition of such a condition by writing this letter. However, because Commission staff has introduced the idea of imposing some sort of sand loss mitigation measure, it is necessary to discuss whether such is warranted, and what it might look like. This letter focuses on the latter.

During the conference call, Commission staff told OHH representatives that requiring OHH to implement a regional effort to nourish and replenish sand was not necessarily out of the question, but that the outline we had submitted suggesting how that condition might look was vague and lacked concreteness. Eventually, the conversation

3-02-024

Ocean Harbor House Seawall

3240 STONE VALLEY ROAD WEST, ALAMO, CALIFORNIA 94507-1558 TELEPHONE: 925.838.2090 FAX: 925.820.5592 www.berding-weil.com

Exhibit 14
Pg 4 of 8

turned to other possibilities, including OHH making a contribution towards one of several specific State park projects proposed on property north of OHH.

Although OHH representatives understand that paying for some or all of a proposed State project on property north of OHH is a concrete and easily ascertainable obligation, the construction of a proposed project on State park property does nothing to address the larger sand loss issues which would be the focus of a regional approach to sand nourishment and replenishment.

The OHH Board believes it can muster the requisite support of its membership to implement a regional solution to sand loss along Del Monte Beach. It is not confident that the membership will embrace the idea of paying for some or all of a State park project north of OHH.

Requiring OHH to implement a regional effort to address local sand nourishment and replenishment will allow OHH members to contribute to a cause which is directly aligned with the stated purpose of the mitigation measure (e.g. to address sand loss over time); and it will allow a vehicle for the Coastal Commission to use to insure that subsequent applicants will have an opportunity to invest in the future of Monterey Bay.

By imposing this requirement, the Coastal Commission will also set a congruous precedent for imposing a sand loss mitigation measure on future Coastal Commission permit applicants in the Monterey vicinity. The only problem is how to make the requirement sufficiently concrete.

To assure concreteness, the condition could generally require OHH to implement the regional effort, followed by "including but not limited to" language after which OHH would be required to do or cause the following to be done:

- Assemble the necessary team (whether that includes a bond underwriter, bond counsel, engineer, general counsel, etc.) to implement the regional program

- Create a Geologic Hazard Abatement District [GHAD] which would include all affected public and private entities and which would “house” the regional effort by doing the following:

Prepare a Resolution of Intent to Form the GHAD for consideration by the County Board of Supervisors

Have an engineer prepare the Plan of Control for the GHAD

Prepare the resolution approving the GHAD

Participate in the public hearings associated with the GHAD formation

- Include in the GHAD Plan of Control an overview of the purpose of the GHAD (e.g. to advance the regional effort), a preliminary analysis of alternative ways of providing sand nourishment and replenishment, and possible mechanisms to augment program funding
- Draft the governing documents for operation of the GHAD (e.g. by-laws, etc.)
- Assure regular GHAD meetings are held and the various rules and applicable laws are followed in conducting those meetings
- Pay ____ per unit (total = 172) for a period of 50 years to be used to implement the regional effort and thereafter to cover the cost of GHAD administration
- Identify a lead agency from amongst the GHAD membership to serve as the principal advisor concerning the technical aspects of program implementation
- Implement a revenue stream to cover the cost of implementing the program (e.g. assess GHAD members with credit back to OHH members for their annual \$ ____ per unit contribution, take out a loan, etc.)

- More fully analyze effective alternatives to providing sand nourishment and replenishment
- Develop a sand nourishment and replenishment program based on the above analysis and amend the GHAD Plan of Control accordingly
- Design a long-term funding program including consideration of municipal bond financing; the use of private, State, and Federal grants; and the establishment of a formula to determine how much future Coastal Commission permit applicants should pay towards sand nourishment and replenishment
- Design a sand nourishment and replenishment implementation process including engineering, design, environmental analysis and agency permitting.

Suffice to say, it is possible to make the condition concrete. You are obviously free to put the above in a format which the Commission is more familiar with (or send me an example and I can do so).

It is clear that the regional effort could fail to move forward for a variety of reasons. If this were to occur, we are proposing that you utilize our annual per unit payments for another worthy cause. Initially, we proposed that implementation of the regional effort be given 7 years before it is declared a success or failure. You may have another number in mind.

Finally, we included a provision saying that if the money is not used for any legitimate purpose it would be returned to OHH. The idea was to address the nexus issue. If you have other thoughts, let us know.

Please give this letter some thought. Feel free to call with questions or concerns. You may also want to go online and review the use of GHADs in other areas to address beach restoration concerns. Type in "GHAD" and "beach" in the search window and you will be able to access several relevant sites.

Charles Lester, Deputy Director
California Coastal Commission
September 3, 2004
Page 5

We really are trying to grapple with a variety of competing interests on behalf of our clients and other interested parties. In doing so, we continue to see the need for a regional approach to addressing the continuing sand loss along Del Monte beach, and genuinely believe that the formation of a GHAD, with all of its attendant powers, is the best way to address sand replenishment and nourishment issues.

Very truly yours,

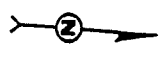
BERDING & WEIL LLP



David J. Larsen

DJL:bjm

O:\WDOCS\3440\01\LETTER\00363369.DOC



PACIFIC OCEAN

Mean High Water
Elevation (+220 MSL)
Year 2004
Zone of Lateral Access
25' from Above Mean
High Water

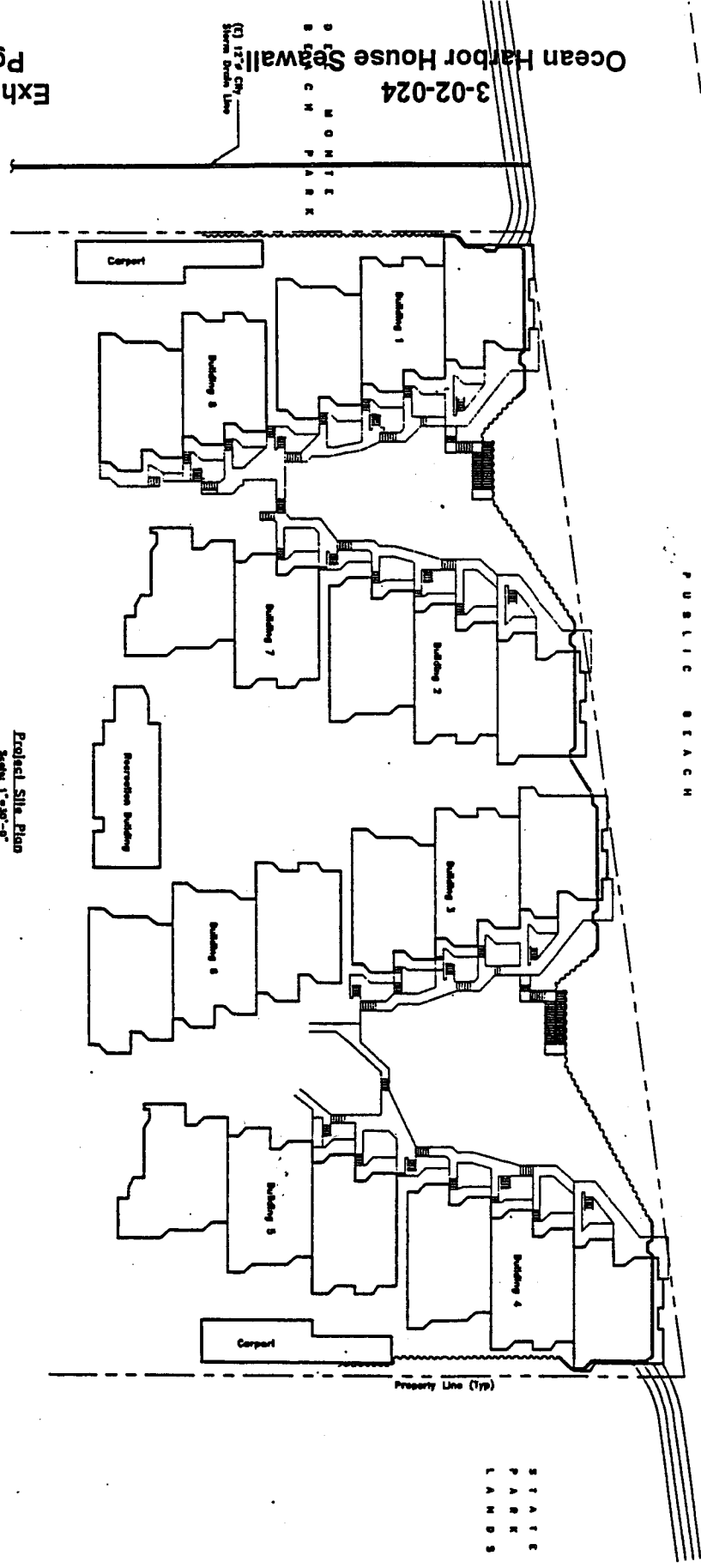
25'-0"

PUBLIC BEACH

3-02-024

Ocean Harbor House Seawall
301 17th St
Marina, Pacific Grove, CA

MONTE
CARMEL
PARK



LEGEND

Concrete See Note with Gravel Filling
to Match Existing Sand Base Surf Features
Should Pile See Note with Gravel Filling
to Match Existing Sand Base Surf Features
Concrete Slabwork for Vertical Access

Project Site Plan
Scale: 1"=30'-0"

Exhibit 15
Pg 1 of 8

P A R K
P A R K
P A R K



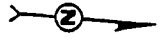
Engineered Soil Repairs, Inc.
1267 Springbrook Road
Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184

Year 2004 Estimated Summer/Fall
Beach/Bluff Plan View

Ocean Harbor House
1 Surf Way
Monterey, CA

Date: 10/25/2004
Scale: As Indicated
Drawn: F.A.P.
Job: 00100
Sheet: 1
of 1 Sheets

REVISIONS	BY



P A C I F I C O C E A N

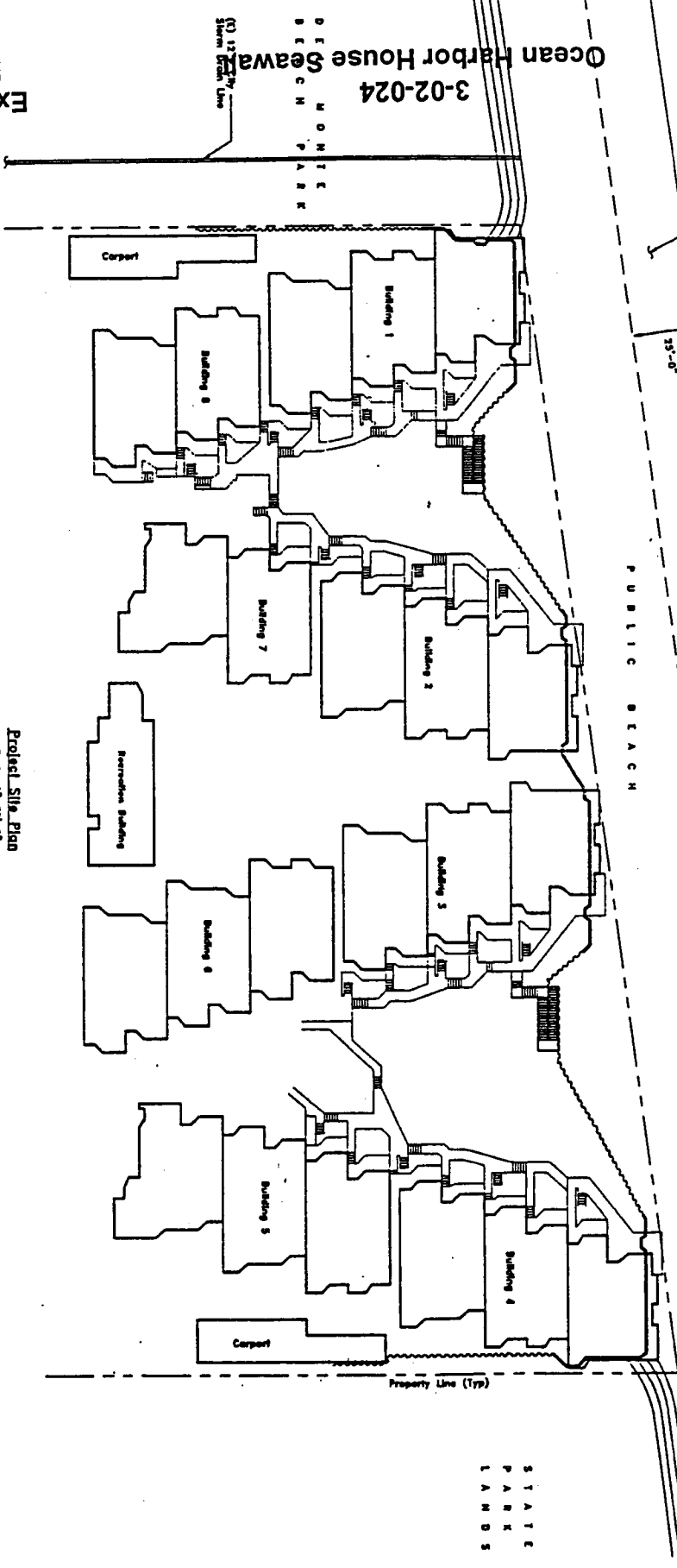
Mean High Water
Mean Low Water
Zone of Lateral Access
25 Feet Above Mean
High Tides

15'-0"

PUBLIC BEACH

3-02-024

Ocean Harbor House Seawall
MONITOR
BEACH PARK
(0) 15' Vertical
Stair Down Bluff Line



S T A T E
P A R K
L A N D S

LEGEND

- Concrete Saw Wall With Grade Facing to Match Existing Sand Dune Bluff Features
- Shall Pile Saw Wall With Grade Facing to Match Existing Sand Dune Bluff Features
- Concrete Stairway for Vertical Access

Project Site Plan
Scale: 1"=50'-0"

Exhibit 15
Pg 2 of 8



Engineered Soil Repairs, Inc.
1267 Springbrook Road
Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184

Year 2004 Estimated Winter/Spring
Beach/Bluff Plan View

Ocean Harbor House
1 Surf Way
Monterey, CA

Date:	10/22/2003
Scale:	As Indicated
Drawn:	F.A.F.
Job:	60158
Sheet:	1A
of	Sheets

REVISIONS	BY



PACIFIC OCEAN

Mean High Water
Elevation (128 feet)
Year 2024
Adapted for
See Level This
Zone of Lateral Access
Zone of Above Mean
High Tide

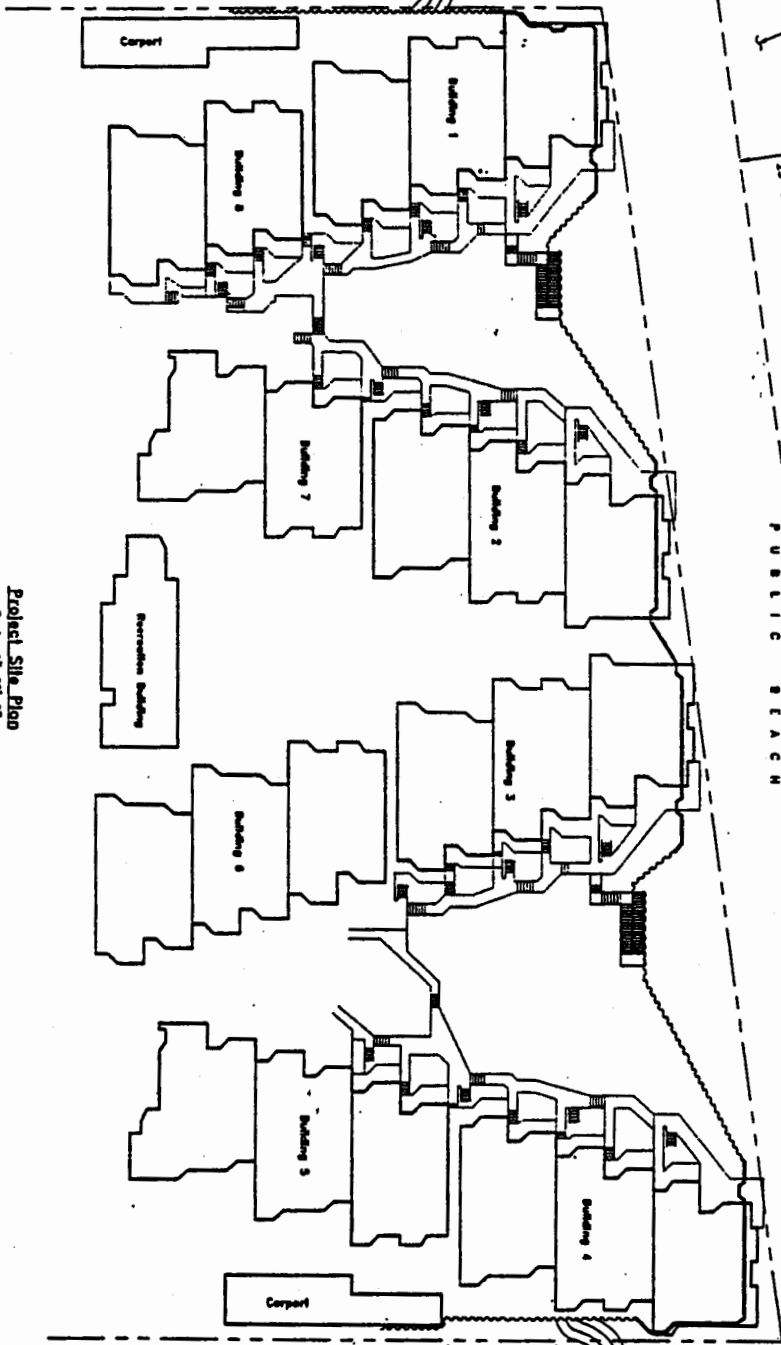
35'-0"

PUBLIC BEACH

3-02-024

Ocean Harbor House Seawall
DECK
NON TIE
BEACH
PARK

(C) 17' City
Storm Drain Line



Property Line (Typ)

STATE
PARK
LANDS

LEGEND

Concrete Saw With 1/4\"/>
to 3/4\" Existing Sand Stone Surf Paving
Should Be Saw With 1/4\" Existing
to 3/4\" Existing Sand Stone Surf Paving
Concrete Slabwork for Vertical Access

Project Site Plan
Scale: 1\"/>
-0\"

Exhibit 15
Pg 3 of 8



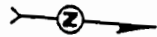
Engineered Soil Repairs, Inc.
1267 Springbrook Road
Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184

Year 2024 Estimated Summer/Fall
Beach/Bluff Plan View

Ocean Harbor House
1 Surf Way
Monterey, CA

Date:	10/25/2020
Scale:	As Indicated
Drawn:	P.M.P.
Job:	20186
Sheet:	2
of	2

REVISION	



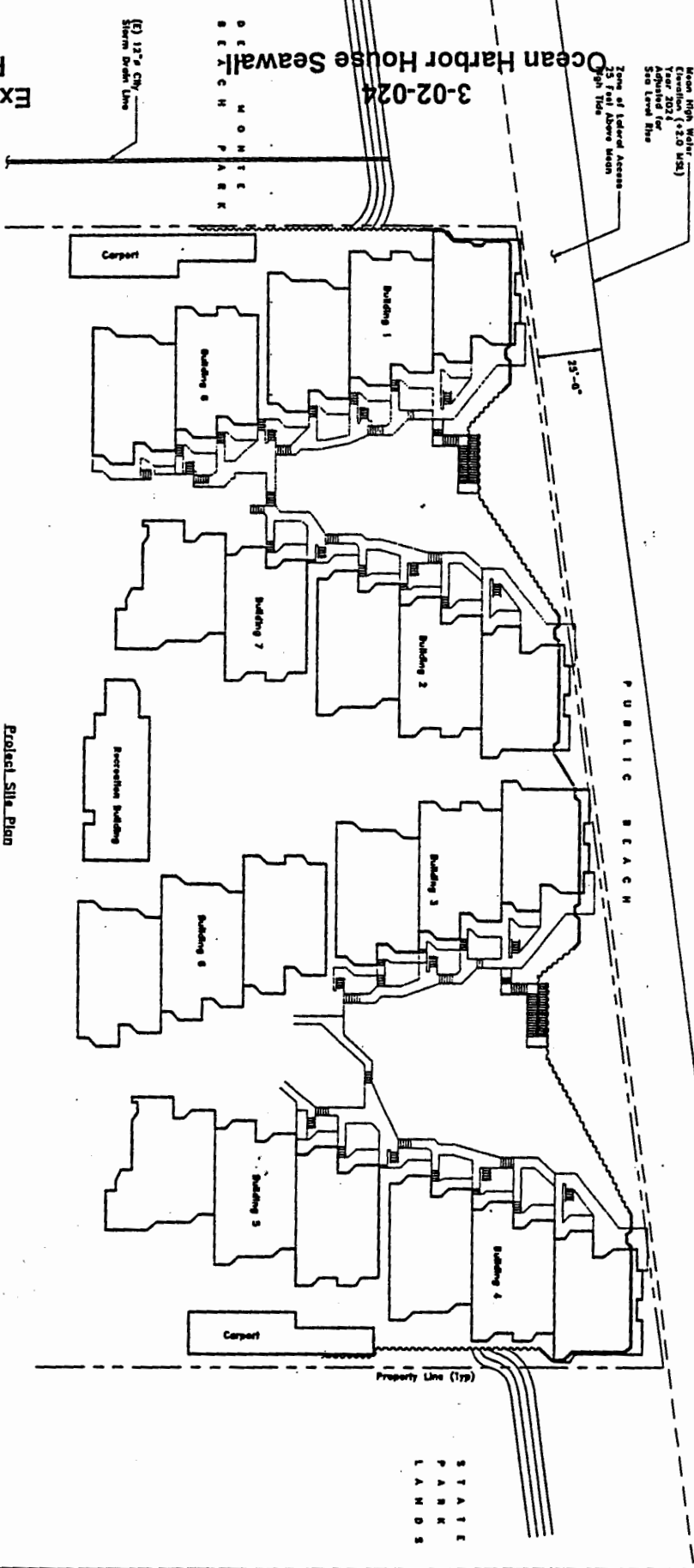
PACIFIC OCEAN

Mean High Water
Elevation (+12.0 MSL)
Year 2024
Adopted for
Site Level Map
Zone of Lateral Access
15' from Above Mean
High Tide

3-02-024

OCEAN MONTEREY
RESEARCH PARK

(E) 15' CH
Storm Drain Line




LEGEND

- Concrete See Wall With Granite Facing
- to Match Existing Sand Dune Shift Features
- Sheet Pile See Wall With Granite Facing
- to Match Existing Sand Dune Shift Features
- Concrete Slabway for Vertical Access

Project Site Plan
Scale: 1"=30'-0"

Exhibit 15
Pg 4 of 8

	Engineered Soil Repairs, Inc. 1267 Springbrook Road Walnut Creek, CA 94596 Tel. No. (925) 210-2150 Lic. # 668184	Year 2024 Estimated Winter/Spring Beach/Bluff Plan View Ocean Harbor House 1 Surf Way Monterey, CA	REVISIONS BY DATE
	Date: 10/22/2003 Scale: As Indicated Drawn: P.R.P. Job: 00158	Sheet: 2A of 2 Sheets	

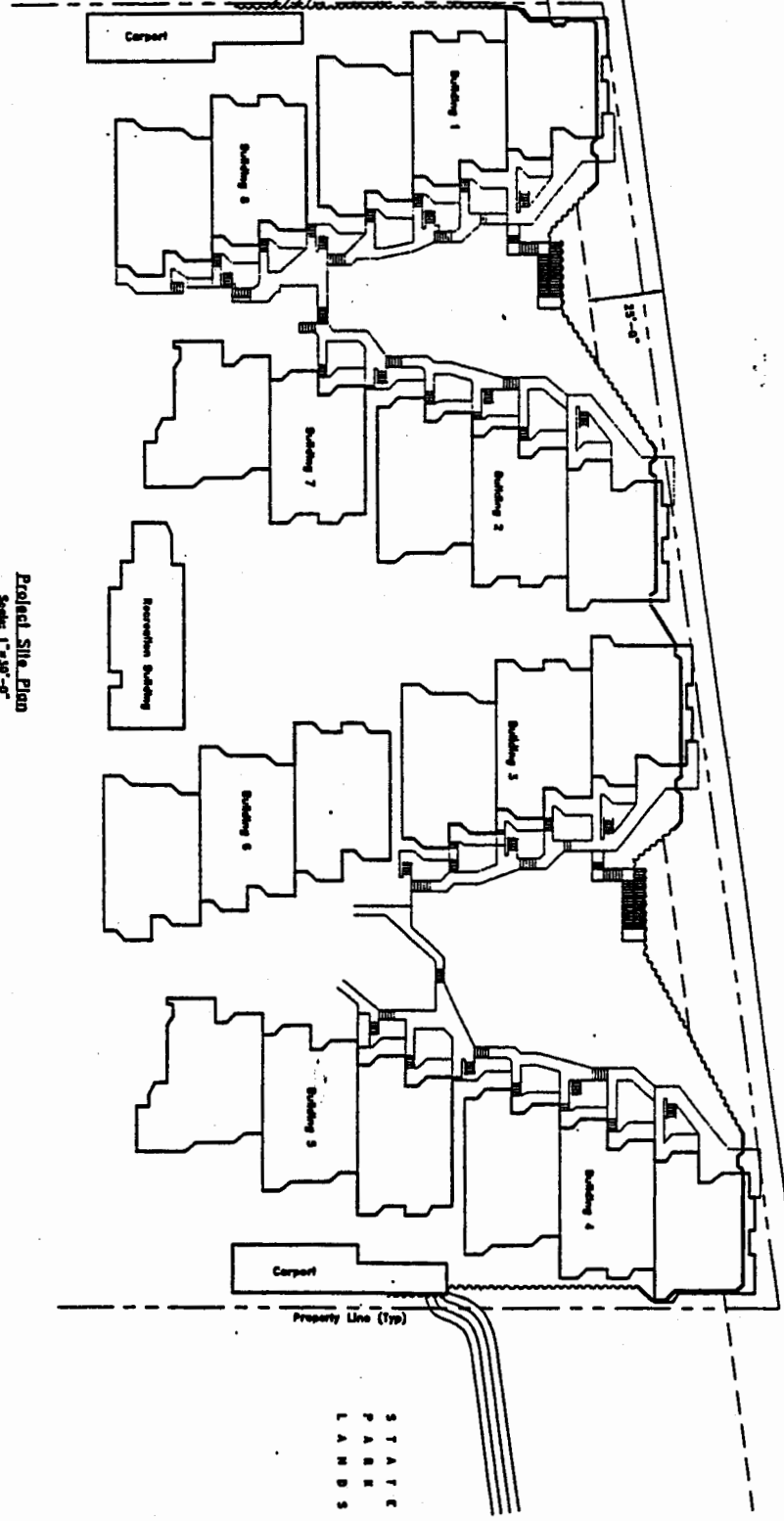


PACIFIC OCEAN

Mean High Water
Elevation (328 MSL)
25' 0" Above Mean
Sea Level
25' 0" Above Mean
Sea Level
25' 0" Above Mean
Sea Level

3-02-024
Ocean Harbor House Seawall

DELMONTE
BEACH PARK
(D) 17'-4.50"
Stream Grade Line



LEGEND

Concrete Pad With 10% Gravel Filling
in Slabbed Existing Sand Stone Surf Footings
Steel Pipe, Sand and 10% Gravel Filling
in Slabbed Existing Sand Stone Surf Footings
Concrete Slabwork for Vertical Access

Project Site Plan
Scale: 1"=30'-0"

S
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A
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P
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S

Exhibit 15
Pg 7 of 8



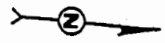
Engineered Soil Repairs, Inc.
1267 Springbrook Road
Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184

Year 2054 Estimated Summer/Fall
Beach/Bluff Plan View

Ocean Harbor House
1 Surf Way
Monterey, CA

Date: 10/25/2000
Scale: As Indicated
Drawn: J.A.P.
Job: 00188
Sheet: 4
of 4 pages

REVISIONS	BY



PACIFIC OCEAN

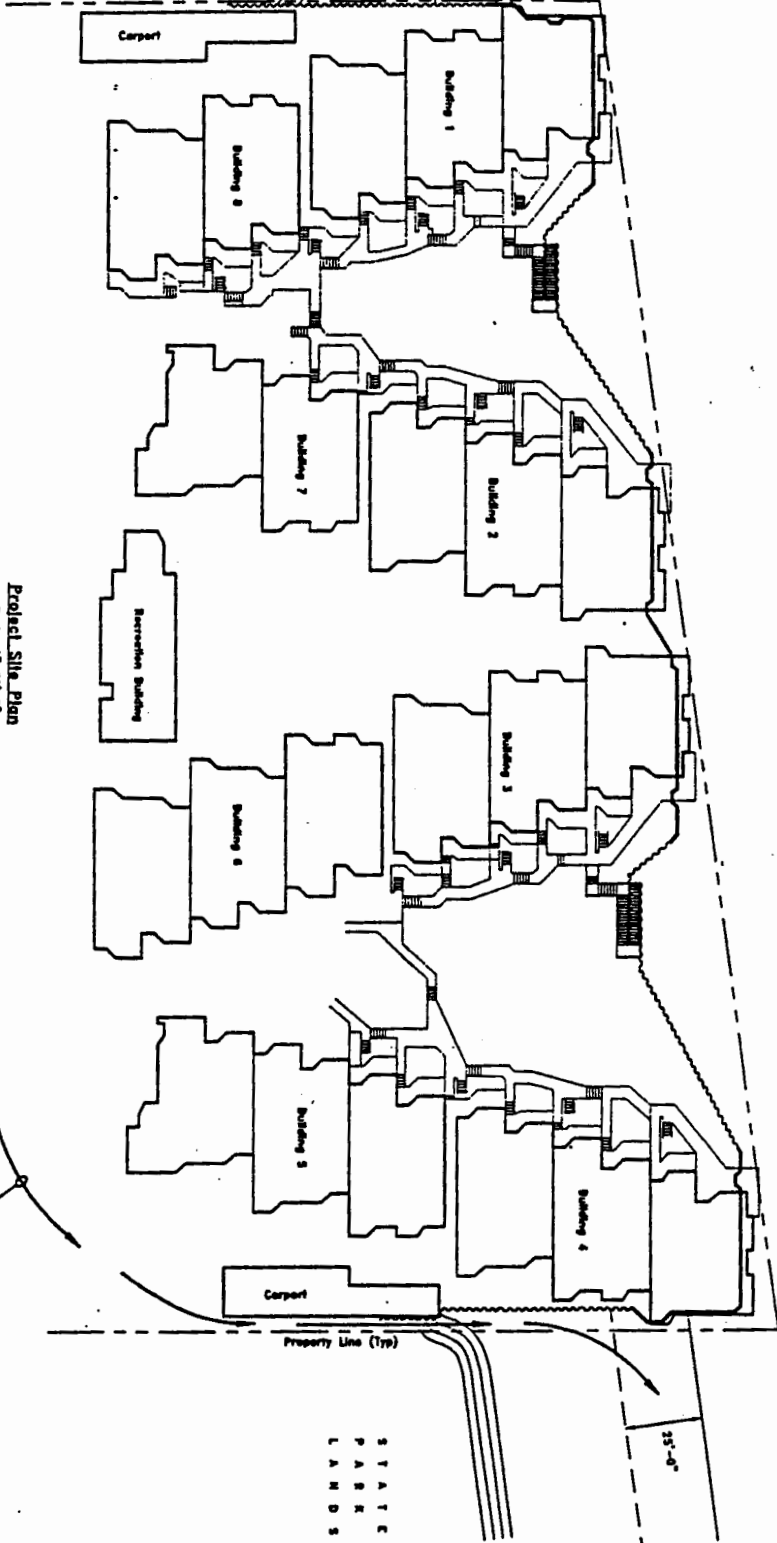
Ocean Harbor House Seawall

Mean High Water
Year 2054
Elevation (120 feet)
Adjusted for
Sea Level Rise
See Level Files
Zone of Future Access
High Tide

02-024

25'-0"

DELL MONTE
BEACH PARK
(S) 12" City
Storm Drain Line



STATE
PARK
LANDS

LEGEND

- Concrete Sea Wall With Grout Filling
- to Match Existing Sand Dune Drift Features
- Sheet Pile Sea Wall With Grout Filling
- to Match Existing Sand Dune Drift Features
- Concrete Slabway for Vertical Access

Project Site Plan
Scale: 1"=30'-0"

Abutment Layout Access
Through Parking Lot at
Ocean Harbor House

Exhibit 15
Pg 8 of 8



Engineered Soil Repairs, Inc.
1267 Springbrook Road
Walnut Creek, CA 94596
Tel. No. (925) 210-2150
Lic. # 668184

Year 2054 Estimated Winter/Spring
Beach/Bluff Plan View

Ocean Harbor House
1 Surf Way
Monterey, CA

Date:	10/22/2003
Scale:	As Indicated
Drawn:	F.R.F.
Job:	60158
Sheet:	4A
of	4A
Sheets:	4A

REVISIONS	BY



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE

Monterey Bay National Marine Sanctuary
299 Foam Street
Monterey, California 93940

June 22, 2004

Charles Lester
Deputy Director
California Coastal Commission
725 Front Street, Suite 300
Santa Cruz, CA 95060

SUBJECT: Ocean Harbor House Seawall Project

Dear Mr. Lester:

Thank you for the opportunity to provide comments to the California Coastal Commission (Commission) on the proposed seawall project for the Ocean Harbor House property in Monterey. This item is slated to go before the Commission during the July 14-16 meeting in Costa Mesa.

As the Commission is well aware, the wide extensive beaches along Del Monte Boulevard are not only a popular recreation area for local residents, but also a significant tourist destination. Protecting beaches is a significant reason the public demanded, and the U.S. Congress ultimately agreed to designate the Monterey Bay National Marine Sanctuary (MBNMS) in 1992. In addition to our primary mandate to protect the resources off the central California coast, we also have a mandate to facilitate public use of the Sanctuary, to the extent that it is compatible with resource protection. While the proposed project is above the mean high water line, and thus the seawall itself is currently outside of the Sanctuary's jurisdiction, we are opposed to the construction of this seawall and do not believe the potential impacts to the public use of the beach received due attention. Construction of a seawall however will clearly lead to passive erosion by fixing the location of the back beach, creating a peninsula effect, which will ultimately place the structure within the sanctuary's jurisdiction.

We are concerned that the proposed seawall would cause significant impacts, which are correctly identified in the Environmental Impact Report. There are other alternatives that are preferable to the proposed seawall, which should be given more consideration. As stated in the comment letter that the MBNMS supplied to the City of Monterey on the Draft Environmental Impact Report on July 30, 2003, the MBNMS supports the environmentally superior alternative to building and installing a concrete reinforced seawall—"Relocation of Seaward Units Alternative". This feasible alternative would allow for the continued, uninterrupted shoreline access for the general public, and still provide adequate protection of the property. The EIR correctly projects that the proposed seawall will form a peninsula, lead to the loss of public beach, and prevent lateral beach access.

The MBNMS supports reversing the trend towards increased armoring of the California coastline. A key way to reduce this impact is to prevent the need for these seawall structures by removal or relocation of buildings prone to the forces of erosion.

3-02-024

Exhibit 16
pg 1 of 9



Inquiries by City of Monterey planning staff have asked MBNMS staff their opinion on an alternative previously rejected in the Draft EIR—that of installing an “offshore reef seawall” in the ocean waters of the beach area that borders the Ocean Harbor House. While this alternative would require extensive additional analysis to determine the impacts on littoral drift and sand supply, that evaluation would be worthwhile if such a structure can prevent the loss of the beach. Though Sanctuary regulations prohibit alteration of the seabed, the MBNMS could consider this alternative proposal, in conjunction with other state and federal agencies, should the Commission require this analysis for the Ocean Harbor House project or otherwise.

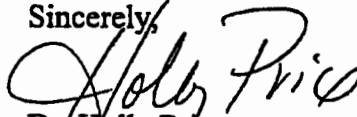
Looking beyond the specifics of this particular project, recently the MBNMS has been involved in the issue of coastal armoring as part of the update of the Sanctuary’s Management Plan. The MBNMS has developed a draft action plan for coastal armoring. The goal of this action plan is to devise a framework to minimize impacts to Sanctuary resources from coastal armoring throughout the region, while recognizing the issue of protecting private and public property. This action plan recommends developing a more proactive and comprehensive regional approach that minimizes the negative impacts of coastal armoring on a Sanctuary-wide basis. Commission staff from both the Central Coast District Office and Headquarters in San Francisco have been instrumental in the development of this approach. The Sanctuary hopes the Commission will continue to support our efforts so that we can better avoid these dilemmas.

It should be noted that although the seawall itself is currently above mean high water, it is possible that construction operations required to build this seawall would be conducted below mean high water. Should the Commission approve this project, the Ocean Harbor House would need to receive authorization from the MBNMS for any construction activities in which equipment would operate below mean high water, per our regulations. Due to the amount of erosion that has occurred at this beach, the MBNMS will need an updated engineering survey to determine the exact location of mean high water, as the current determination is based upon outdated tidal information.

There is no dispute that a seawall at the Ocean Harbor House will result in loss of the public’s beach. We understand that this is a very difficult decision, one that will ultimately result in the choice between private property and the public’s beach. We hope that you will give due consideration to the value of Monterey’s beaches, and the importance of allowing the public to access to these precious resources.

Thank you for the opportunity to comment on the Ocean Harbor House seawall project. If you have any questions on our comments, please contact Brad Damitz of my staff at (831) 647-4252.

Sincerely,



Dr. Holly Price

Acting Superintendent

3-02-024

Ocean Harbor House Seawall

Exhibit 16
Pg 2 of 9

Advocates of Wild and Healthy Oceans
RECEIVED

NOV 26 2003

CALIFORNIA
COASTAL COMMISSION
CENTRAL COAST AREA

Delivered by facsimile to: 831-646-3702

Santa Cruz Field Office
55 C Municipal Wharf
Santa Cruz, CA 95060

831.425.1363 Telephone
831.425.5604 Facsimile
www.oceanconservancy.org

Formerly the Center for
Marine Conservation

November 24, 2003

Mayor Albert and
Members of the City Council
City of Monterey
Monterey, CA 93940

The Ocean
Conservancy 

RE: Opposition to Harbor House Seawall Project

Dear Mayor Albert and members of the City Council:

Please accept the following comments on behalf of The Ocean Conservancy and our 25,000 California members. The Ocean Conservancy has been involved in coastal erosion and seawall issues for many years and we have submitted testimony regarding a number of coastal armoring projects in Monterey and Santa Cruz counties in recent months. Our organization is extremely concerned with the rate at which California communities are allowing construction of shoreline protection devices with consequent adverse impacts to public shoreline access and beach habitat. The Ocean Conservancy opposes the Ocean Harbor House seawall based on the project's significant, unavoidable and permanent adverse impacts to the environment, recreational access, and the public beach resource. We urge you to deny this proposal and encourage the applicant to pursue planned retreat.

The Ocean Conservancy was represented in verbal testimony at your November 18, 2003, Council meeting and we appreciate the opportunity to offer written comments addressing the following key points:

- Shoreline protection devices inevitably result in adverse impacts to beach habitat and public access.
- Del Monte Beach is a significant city amenity protected by the City General Plan and access to and along the beach is guaranteed in the City's Del Monte Beach Land Use Plan.
- The Ocean Harbor House development was built in an inherently hazardous location; consequently, the project has a limited lifespan.
- The City of Monterey has the legal authority to require planned retreat and to condition development on maintaining public access along the beach.

(1) Shoreline protection devices inevitably result in adverse impacts to beach habitat and public access.

It is well documented that seawalls, revetments, and other rigid erosion control structures destroy beach and dune ecosystems, increase erosion on adjacent

3-02-024
Ocean Harbor House Seawall

The Ocean Conservancy strives to be the world's foremost advocate for the oceans. Through science-based advocacy, research, and public education, we inform, inspire, and empower people to speak up for the ocean.

Exhibit 16
Pg 3 of 9

properties, and hinder public access to and along the shore.¹ Indeed, the Draft Environmental Impact Report (DEIR) prepared for the Ocean Harbor House project acknowledges that the project will eventually result in creation of a peninsula with a significant loss of public access along Del Monte Beach. DEIR at 125, 172-72. Furthermore, once the beach has receded and the development is surrounded by a peninsula and is subject to constant rather than merely occasional wave action, the seawall itself will inevitably fail. Thus, the Monterey community is being asked to *permanently* sacrifice a public trust resource (beach access) in order to *temporarily* extend the life of a private development that was built in an inherently hazardous location.

- (2) Del Monte Beach is a significant city amenity protected in the City General Plan and access to and along the beach and is guaranteed in the City's Del Monte Beach Land Use Plan.

As you well know, California's sandy beaches are one of the key amenities that draw out-of-state visitors to California and state residents to our coasts. In Monterey, a full 25% of the City's general fund budget is provided by transient occupancy tax – hotel fees paid by visitors to the City - visitors that are drawn to Monterey by the area's spectacular natural beauty and the opportunity to walk on the beautiful sandy beach. The Ocean Conservancy urges the City of Monterey to consider this proposed seawall not only in terms of its unavoidable impacts to the environment but also in terms of its long-term fiscal impacts to the City. According to the applicants' own documents, the project will, in time, bisect the City's most important natural asset, cutting off access to a significant part of Monterey's shoreline and seriously reducing the amenity value of Monterey's coast. The City recognized the critical importance of protecting beach access in adopting Shoreline Access Policy 10 in the Del Monte Beach Land Use Plan which requires protection and improvement of existing lateral access. As noted in the DEIR, the proposed project is fundamentally inconsistent with this adopted City policy as well as numerous other Urban Design policies of the City General Plan also designed to protect and enhance the beach. DEIR at 164-173. The project must therefore be denied.

- (3) The Ocean Harbor House was built in an inherently hazardous location; consequently, the property has a limited lifespan.

The Ocean Harbor House development was constructed in an inherently hazardous location and is, accordingly, subject to a number of natural risks that limit the lifespan of the project. The property owners' reasonable expectations regarding the potential lifetime of the development are, of course, limited by the obvious risks associated with

¹ See generally the 10 truths about shoreline armoring in Orrin H. Pilkey and Katherine L. Dixon, *The Corps and the Shore* (1996) at 51-53: (1) Armoring destroy the beach, it's ugly, and it reduces beach walkability; (2) There is no need for hard stabilization unless someone builds too close to the shoreline; (3) A relatively small number of people create the need for shoreline armoring; (4) Once you start, you cannot stop; (5) It costs more to save the property than it is worth; (6) Shoreline armoring begets more shoreline armoring; (7) Shoreline armoring grows bigger; (8) Shoreline armoring is politically difficult because of its long-term environment impact; (9) Shoreline armoring is politically difficult because no compromise is possible; (10) You can have buildings or you can have beaches; you cannot have both.

the project's location. The costs of addressing these risks must rightfully be borne by those that benefit from the development. The current proposal to artificially extend the life of this development project, at a tremendous cost to the public and the Monterey community, shifts the costs associated with protection of a private investment to the public. We believe such an outcome to be unfair, unwise and in conflict with both adopted City policy and the California Coastal Act.

(4) The City of Monterey has the legal authority to require planned retreat and to condition development on maintaining public access along the beach.

I have reviewed the City attorney's memo to the Community Development Director dated October 23, 2003, and respectfully disagree with the conclusions in that memo. Regarding the question of whether a property owner has the legal right to place a seawall on their property to protect against naturally occurring hazardous conditions, the City attorney's memo concludes: "An owner has a reasonable right to protect their own property against the natural forces such as wave erosion."

In fact, the City is not obligated to allow a private development to construct a seawall that would protect their property (temporarily) at great cost to public resources and would conflict with adopted City policy. In fact, recognizing the significant harm private shoreline protection construction can have on the environment, adjacent properties and public rights and resources, numerous jurisdictions around the United States have taken action to generally ban seawalls, revetments and other rigid shoreline protection devices.² Such prohibitions have been routinely upheld by the courts and have not been construed as a "taking" of private property. Courts have upheld seawall regulations finding (1) there is no fundamental constitutional right to build a seawall, (2) such regulation is rationally related to a legitimate government end, (3) the property retains value without the seawall, and (4) common law principles support policies restricting seawall construction.³ Some of these principles are: implied easements, the public trust doctrine, nuisance law, and other principles of property law, such as protective covenants.⁴ In just one of many possible examples, in Scott v. City of Del Mar (1997), a California Court of Appeals upheld the constitutionality of the City of Del Mar's Beach Overlay Zone ordinance prohibiting seawalls and other structures west of a designated shoreline protection area and upheld the city's authority to remove a seawall

²See for example, North Carolina Admin. Code Title 15A r. 7H.0308(a)(1) (2001); South Carolina CODE ANN. § 48-39-250; Oregon REV. STAT. § 390.610., and Maine CODE ME. R. ch. 355, §§ 3 (B)(1)(a) and 3 (F)(1) & ME. REV. STAT. ANN. Tit. 38, § 480-A-Z).

³See Shell Island Homeowners Assoc. v. Tomlison, 134 N.C. App. 217 (1999)(The Court held that the invasion of property and reduction in value alleged by the plaintiffs stemmed from the natural migration of an inlet and found that **erosion and migration of waters are natural occurrences, a predictable consequence of being a littoral landowner, and landowners have no constitutional right to erect hardened structures to protect their property from natural occurrences.** The Court upheld the ban on permanent hard erosion control structures as constitutional); Stevens v. City of Cannon Beach, 317 Or. 131, 854 P. 2d 449 (1993) (Finding prohibition on building seawall was not a taking); Whaler's Village Club v. California Coastal Commission, 173 Cal. Ap. 3d 240 (1985) (Finding no fundamental right to build a seawall); and Barrie v. California Coastal Commission, 196 Cal. App. Ed 8 (1987)(Finding that an emergency permit does not convey a vested right to a seawall in that specific location).

⁴See, e.g. Steven W. Bender, *Castles in the Sand: Balancing Public Custom and Private Ownership Interests on Oregon's Beaches*, 77 OR. L. REV. 913 (1998).

that was found to deny public access to the beach and adversely impact shore processes. 58 Cal. App.4th 1296.

The City Attorney's memo also addresses the issue of whether the City of Monterey can condition seawall approval upon granting of lateral access across private property. According to the City Attorney: "This is the only issue where I can answer with virtual certainty since the U.S. Supreme Court has ruled on a factually similar California case. In Nollan v. CA Coastal Commission (1987) 483 US 825, the high court held that lateral access across private property cannot be required as a conditions of development." Again, I must respectfully disagree with the City Attorney's interpretation of the Nollan case. Certainly, Nollan is a seminal decision regarding beach access and Fifth Amendment jurisprudence. However, the finding is Nollan is not, as stated in the City Attorney's memo that "lateral access across private property cannot be required as a condition of development." Rather, the Nollan case stands for the requirement that there be an "essential nexus" between a land use regulation (or condition of development) and the legitimate state interest the regulation or condition is designed to serve.

In Nollan, the U.S. Supreme Court rejected a California Coastal Commission condition placed on the remodel of an oceanfront house that required the owners to provide lateral beach access because the Court did not find the condition "reasonably related to the public need or burden that the Nollans' new house creates or to which it contributes." By contrast, the Ocean Harbor House seawall would create a peninsula, cutting off lateral public beach access in front of the development. Thus, the "nexus" for requiring the Ocean Harbor House project to provide lateral beach access could not be more direct. The City of Monterey certainly has the legal authority to require lateral access under the facts presented by this development proposal.

(5) Conclusion

The Ocean Conservancy urges the City of Monterey to adopt the environmentally superior alternative identified in the project's Environmental Impact Report – which calls for relocating the seaward units of the development inland. We recognize the tremendous challenge local decisionmakers face in trying to address the conflict between development; coastal hazards, public access and environmental protection. These decisions are never easy to make. However, we urge you protect the public trust, and act in the long-term best interests of the community of Monterey, by denying this project.

Thank you for your consideration of these comments.

Sincerely,



Kaitilin Gaffney
California Central Coast Program Manager

cc: Supervisor Dave Potter
California Coastal Commission

The Honorable Mayor and City Council
 City of Monterey
 City Hall
 Monterey, CA 93940

22 July 2002 **RECEIVED**

JUL 31 2002

CALIFORNIA
 COASTAL COMMISSION
 CENTRAL COAST AREA

Dear Mayor Albert and Members of the City Council,

Re Proposed Sea Protection and Encroachment for Ocean Harbor House Condominiums (OHHC)

You are being asked to endorse a seawall at the OHHC that eventually will spoil Del Monte Beach. The Dunes Coalition, composed of representatives of the Sierra Club, Native Plants Society and the Audubon Society, is opposed to the building of a seawall. A seawall eventually will lead to the destruction of the beach and dune on the erosive Del Monte Beach shoreline. Your predecessors made a serious mistake when they allowed the apartments to be built too close to the shoreline in 1969 (only 33 years ago). They made a mistake when they allowed the conversion from apartments to condos. They (you) made another mistake when you allowed improvements on the foundation supporting the front apartments. You are now being asked to exacerbate their and your own errors. To endorse building a seawall is contrary to the best interests of the City of Monterey.

The construction of a seawall in front of OHHC will have enormous economic, environmental and aesthetic impacts, which are barely addressed in the consultants report. The shoreline from Wharf Number 2 to Sand City is an incredible asset to the eco-tourism of the Monterey area. Residents and visitors can walk or jog unobstructed along the entire length of beach and enjoy its immense beauty. Maintenance of this continuous shoreline is to the economic benefit of our community, and aesthetically it is priceless. The eventual effect of hardening the shoreline with a seawall on this eroding coast will be to form a peninsula jutting into the ocean as the beach recedes. Such a peninsula extending into the ocean will interrupt this unobstructed walk and block Monterey Beach. Lateral access through an alley-way around or through OHHC is no substitute for walking the beach, and will deter walking past OHHC.

The preferred alternatives are removal of the front condos or beach nourishment. I contend that Del Monte Beach is a good candidate for local beach nourishment because the waves impinge nearly perpendicular to the shoreline owing to the geometry of the Bay. This results in minimal alongshore currents to move sand the up or down coast. There is presently an example of naturally occurring beach nourishment at the Monterey Beach Hotel, just upcoast of OHHC. The Del Ray Creek discharges significant amounts of sand onto the beach during large run-off events. The result is a delta formation just off the beach and a bulge in the shoreline that acts to protect the hotel and maintain the beach width. I suggest that a careful examination of this natural nourishment would determine the efficacy of using beach nourishment in front of OHHC.

I am opposed to negative declaration. Filing a negative declaration stating that there will be "less than significant impact on substantially degrading the existing visual character of quality of the site and its surroundings" demonstrates a complete lack of foresight of the consequences of this project.

I was asked to review the O'Connor and Flick consultants report for OHHC. The premise upon which the seawall is justified is based on the statement in the executive summary that "passive erosion, the primary negative effect of many seawalls backing beaches in retreat, is likely absent, since the beach seems to be widening". I informed the consultants I strongly disagreed with their view that the beach was widening. I contend that the consultant's conclusion is based on a misinterpretation of data collected by people at the U.S. Geological Survey. The people who collected have written a recent peer-reviewed paper (Dingler and Reiss, 2001), which does not agree that the beaches are widening. As recorded by the Dingler and Reiss (2001), at or soon after the start of the study, the beaches were extremely eroded by the 1982-83 El Nino storms. As soon as the storms ended, the beaches began to rebuild (widen) and by the end of about 1985, the beaches had reached a width where subsequent surveys showed normal seasonal variations. These variations continued until the 1997-98 El Nino storms, when the beach receded to approximately the widths measured when the study began in 1982. Therefore, based on the conclusions of Dingler and Reis (2001), I contend that there is no evidence the beach is widening in the long term, which is corroborated by the Dingler and Reis (2001) paper. Therefore, I feel the primary bases of the consultant's recommendation for the seawall is founded on a misinterpretation of data. The fact is the shoreline is eroding.

When you visit the beach, you easily observe that the region fronting the OHHC is the narrowest part of Del Monte beach. The reasons for this are not completely clear, but seem to be associated with the fact that OHHC is located at a turn in the shoreline, that some of the shoreline has been hardened already and the beach is retreating, and that OHHC has been mining the sand in front and piling it on their berm.

Local examples of hardened shorelines forming peninsulas are in Sand City at the end of Tioga Avenue due to concrete debris being dumped into the ocean in the 1950's and the reveted seawall built to protect Stillwell Hall in 1984 (see Figure 1). At both locations the hardened shoreline is now in the ocean as the eroding shoreline has receded beyond the structure. Lateral access (walking in front) is no longer possible at either location.

The evidence from ongoing engineering surveys and as agreed in the consultant's report is that the shoreline and dune continue to be in retreat (which is the reason for the requested seawall in the first place). As an example, Figure 2 shows the beach and dune erosion at the south end of the OHHC during the El Nino winter of 1997-1998. The dune retreated 13 feet (4 meters) during just this one winter. The consultant report suggests a prudent erosion rate of 1-2 feet per year.

I can guarantee (staking my national and international reputation as a coastal engineer, which is easy to do based on the overwhelming evidence) that the long term

consequence of building the seawall as proposed is that eventually there will be no beach and no lateral access in front of OHHC. The beach and dune will retreat past the hardened shoreline and a peninsula will form in the water. The effect will be to isolate the Monterey Beach and dunes to the north of OHHC, which was purchased at considerable cost. When the seawall is eventually in the water, reflected waves will cause a scour hole in front of the seawall. This scour hole may pose a safety hazard to swimmers, for which the City will be responsible. As the shoreline retreats, wave reflection from the side-walls will result in accelerated erosion to adjacent City and State Parks beach properties. An example of enhanced erosion to adjacent property can be seen in the photo of Stillwell Hall (Figure 1).

Mitigations required if the seawall were to be built include guaranteed lateral access and beach nourishment of sand taken. Lateral access will eventually have to be provided for. If the mitigation is to be a detour around OHHC, this will effectively deter people walking on the beach from passing OHHC and this will be not an acceptable alternative.

Mitigation if the seawall were to be built will require periodic nourishment of the beach to compensate for sand that would normally be available to the beach. The primary source of sand to the beaches in Southern Monterey Bay is the slumping of the dune onto the beach as it is undercut by storm waves during high tides. The hardening of the shoreline deprives the beach of this source of sand, which negatively impacts not only the beach in front of OHHC, but neighboring properties. Therefore, this "taking of a sand resource" requires mitigation as agreed in the consultant report.

In conclusion, I hope that this City Council is remembered for all the good decisions you have made, and that your legacy does not compel your children to rationalize to their own children how granddad or grandmother "screwed-up" and endorsed the building of a seawall that permanently blocked their walk along Del Monte beach.

Edward B. Thornton, President, Monterey Dunes Coalition
32 Via Descanso
Monterey, California 93940

Reference:

Dingler, J.R. and T.E. Reiss, 2001, Changes to Monterey Bay beaches from the end of the 1982-83 El Nino through the 1997-98 El Nino, *Journal of Marine Geology*, p. 1-15

Exhibit 17. Proposed Mitigation Fee Schedule for Ocean Harbor House Homeowner's Association

FEE SCHEDULE FOR IMPLEMENTING SPECIAL CONDITION 4 OF CDP #3-02-024:

Prior to Construction the Applicant shall, according to following fee schedule, begin payment of the required mitigation fee into an interest-bearing account held by the Monterey Peninsula Regional Parks District (MPRPD), the purpose of which is to purchase beachfront/dune property for public recreational use in the southern Monterey Bay area.

<u>Payment</u>	<u>Amount</u>	<u>Due Date</u>
1	\$430,011	Prior to Construction
2	\$430,011	365 days after date of Year 1 payment
3	\$430,011	730 days after date of Year 1 payment
4	\$430,011	1095 days after date of Year 1 payment
5	<u>\$430,011</u>	1460 days after date of Year 1 payment
TOTAL:	\$2,150,054	

This total fee represents the present value of the required \$5.3 million mitigation fee using a 3% discount rate (see below for detail). Although this fee equates to approximately \$12,500 per condominium unit, allocation of the fee among the members of the Homeowner's Association shall be determined by the Association. As suggested in the adopted findings for the OHH seawall coastal development permit, there are numerous reasons why upfront payment of the present value of the \$5.3 million, rather than payment over time, is preferred by the Executive Director. These include (1) requiring payment of the fee upfront provides mitigation concurrent with the development of the seawall and the associated benefit for the Applicant; (2) if the mitigation fee were required to be paid over time as beach area is lost, it would take many years for the fee to equal an amount that would be substantial enough to provide a meaningful opportunity for the purchase of beachfront property for public use; (3) if the fee were collected over time as the beach erodes, the fee would need to be adjusted annually for inflation (e.g., tied to the Consumer Price Index), and; (4) obtaining the entire fee upfront prior to commencement of construction activities will eliminate the administrative costs and efforts of ensuring that the correct fee is collected and paid into the proper account on a yearly basis. Nonetheless, in order to facilitate payment of the total present value fee, the proposed fee schedule allows the fee to be spread over five equal annual payments, with Payment 1 occurring prior to beginning construction of the project.

The following chart illustrates the calculation of the present value of the fee, by showing the constant value mitigation fee that would be required in each year for the 50 year life of the project. As shown, the calculations assume a constant beach area, beach attendance, and beach loss over time. Using the consumer surplus figure of \$13.00 per beach visitor day, the constant annual beach value lost is derived. The application of the 3% discount rate then results in the calculated present value of the annual beach loss. These figures are totaled to derive the cumulative present value fee for the beach area lost due to the project.

Exhibit 17. Proposed Mitigation Fee Schedule for Ocean Harbor House Homeowner's Association

Constants		KEY
Beach Area (sf)	2,640,000	BA
Attendance	968,287 persons/yr	A
Annual Beach Loss	870 sf	ABL
Consumer Surplus	\$13.00	CS
Total CS	\$12,587,731	TCS
Beach Value	\$4.77/sf (TCS/TBA)	BV
Discount Rate	3.0%	DR

Variables		KEY
YEAR		YEAR
Total Beach Loss (870 sf (ABL) x YEAR)		TBL
Constant Beach Value Loss (\$)		CBVL
Present Value of Beach Loss (\$)		PVBL

YEAR	BA	A	CS	TCS	BV (\$/sf)	TBL (sf)	CBVL	DR	PVBL
1	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	870	\$ 4,148.23	3.0%	\$ 4,148.23
2	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	1740	\$ 8,296.46	3.0%	\$ 8,054.82
3	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	2610	\$ 12,444.69	3.0%	\$ 11,730.31
4	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	3480	\$ 16,592.92	3.0%	\$ 15,184.87
5	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	4350	\$ 20,741.15	3.0%	\$ 18,428.24
6	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	5220	\$ 24,889.38	3.0%	\$ 21,469.80
7	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	6090	\$ 29,037.61	3.0%	\$ 24,318.54
8	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	6960	\$ 33,185.84	3.0%	\$ 26,983.12
9	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	7830	\$ 37,334.07	3.0%	\$ 29,471.86
10	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	8700	\$ 41,482.30	3.0%	\$ 31,792.73
11	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	9570	\$ 45,630.53	3.0%	\$ 33,953.40
12	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	10440	\$ 49,778.76	3.0%	\$ 35,961.24
13	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	11310	\$ 53,926.99	3.0%	\$ 37,823.31
14	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	12180	\$ 58,075.22	3.0%	\$ 39,546.40
15	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	13050	\$ 62,223.45	3.0%	\$ 41,137.03
16	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	13920	\$ 66,371.68	3.0%	\$ 42,601.46
17	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	14790	\$ 70,519.91	3.0%	\$ 43,945.68
18	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	15660	\$ 74,668.14	3.0%	\$ 45,175.45
19	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	16530	\$ 78,816.37	3.0%	\$ 46,296.31
20	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	17400	\$ 82,964.60	3.0%	\$ 47,313.55
21	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	18270	\$ 87,112.83	3.0%	\$ 48,232.26
22	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	19140	\$ 91,261.06	3.0%	\$ 49,057.32
23	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	20010	\$ 95,409.29	3.0%	\$ 49,793.39
24	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	20880	\$ 99,557.52	3.0%	\$ 50,444.97
25	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	21750	\$ 103,705.75	3.0%	\$ 51,016.36
26	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	22620	\$ 107,853.98	3.0%	\$ 51,511.66
27	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	23490	\$ 112,002.21	3.0%	\$ 51,934.83
28	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	24360	\$ 116,150.44	3.0%	\$ 52,289.66
29	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	25230	\$ 120,298.67	3.0%	\$ 52,579.75

Exhibit 17. Proposed Mitigation Fee Schedule for Ocean Harbor House Homeowner's Association

30	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	26100	\$ 124,446.90	3.0%	\$ 52,808.59
31	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	26970	\$ 128,595.13	3.0%	\$ 52,979.49
32	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	27840	\$ 132,743.36	3.0%	\$ 53,095.64
33	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	28710	\$ 136,891.59	3.0%	\$ 53,160.07
34	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	29580	\$ 141,039.82	3.0%	\$ 53,175.71
35	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	30450	\$ 145,188.05	3.0%	\$ 53,145.35
36	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	31320	\$ 149,336.28	3.0%	\$ 53,071.63
37	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	32190	\$ 153,484.51	3.0%	\$ 52,957.13
38	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	33060	\$ 157,632.74	3.0%	\$ 52,804.28
39	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	33930	\$ 161,780.97	3.0%	\$ 52,615.40
40	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	34800	\$ 165,929.20	3.0%	\$ 52,392.73
41	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	35670	\$ 170,077.43	3.0%	\$ 52,138.40
42	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	36540	\$ 174,225.66	3.0%	\$ 51,854.43
43	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	37410	\$ 178,373.89	3.0%	\$ 51,542.78
44	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	38280	\$ 182,522.12	3.0%	\$ 51,205.29
45	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	39150	\$ 186,670.35	3.0%	\$ 50,843.74
46	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	40020	\$ 190,818.58	3.0%	\$ 50,459.80
47	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	40890	\$ 194,966.81	3.0%	\$ 50,055.10
48	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	41760	\$ 199,115.04	3.0%	\$ 49,631.17
49	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	42630	\$ 203,263.27	3.0%	\$ 49,189.47
50	2,640,000	968,287	\$ 13.00	\$ 12,587,731.00	\$ 4.77	43500	\$ 207,411.50	3.0%	\$ 48,731.39
							\$ 5,288,993.25		

TOTAL PRESENT VALUE = \$ 2,150,054.16

Discount Rate Discussion

Discounting is a common economic valuation technique for translating future costs and benefits into present day value. There is an extensive literature on the subject, and considerable discussion of the proper discount procedures and assumptions appropriate to various areas of social policy.¹ For matters involving broad social policy, such as environmental protection and resource damage assessment, it is reasonable to use a real social discount rate in the range of 3-4% that has taken into account the effects of inflation. This rate is intended to reflect the rate at which society discounts the value of the future relative to the present. The U.S. Treasury's borrowing rate of approximately 4% is often used as a measure for social discounting, because it represents a low risk rate of investment to the public. Although the Office of Management of Budget recommends considering a range of discount rates, from 3%-7% for prospective evaluation of proposed policies, the Congressional Budget Office and the General Accounting Office generally use lower discount rates in the 2-4% range.² The U.S. EPA has recommended using social discount rates between 2-3%.³ Similarly, the National Oceanic and Atmospheric Administration (NOAA) has used a social discount rate of 3% for valuing natural resource

¹ See, for example, Goulder and Stavins, "An eye on the Future", *Nature*, Vol 419, 17 October 2002; Newell and Pizer, "Uncertain discount rates in climate policy analysis," *Energy Policy* 32 (2004) 519-529.

² For discussion see U.S. GAO, *Discount Rate Policy*, May 1991.

³ U.S. EPA, *Guidelines for Preparing Economic Analyses*, 2000.

Exhibit 17. Proposed Mitigation Fee Schedule for Ocean Harbor House Homeowner's Association

damage, including damages to recreational resources, pursuant to their regulatory responsibilities.⁴ The California Department of Fish and Game and the State Lands Commission, for example, have recently relied on the NOAA discounting approach in a draft natural resource damage assessment.⁵ Finally, there is considerable skepticism about the ability to accurately discount values that may occur beyond normal financial investment horizons, such as 30 years, given the increasing uncertainty in the longer-term. Thus, it is argued that even lower discounting should occur in policy areas where costs and benefits far in the future are being considered. Given that the impacts of the OHH project occur over a 50 year time period, this would suggest that even lower discount rates are appropriate, at least for the longer term period of the impact. Overall, consistent with the agency practice of NOAA (which also houses the Federal Coastal Zone Management Program), and with other agency practice and theory regarding the appropriate discount rate for social policies such as the required beach loss mitigation fee, the application of the 3% discount rate is reasonable. It is important that the longrun future costs to the public beach not be undervalued today. For comparison purposes, using a higher rate such as 4% would result in a total present value fee of \$1.65 million dollars or approximately \$500,000 less than the present value fee of \$2.15 million dollars derived with the 3% rate.

⁴ NOAA, "Discounting and the Treatment of Uncertainty in Natural Resource Damage Assessment," Technical Paper 99-1, February 19, 1999.

⁵ California Department of Fish and Game, California State Lands Commission, U.S. Fish and Wildlife Service, "Stuyvesant/Humboldt Coast Oil Spill," Draft Damage Assessment and Restoration Plan, May 2004.

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California Coastal Commission
October 14, 2004
Ocean Harbor House Homeowners Association
Application No. 3-02-24

* * * * *

10:15 a.m.

EXECUTIVE DIRECTOR DOUGLAS: Thank you, Mr. Chairman. That brings us to the next item, which is Item 9.a., I believe.

Charles.

DISTRICT DIRECTOR LESTER: Thank you.

Item 9.a. is a permit for the Ocean Harbor House seawall project. There is an addendum in your district director's report that includes some minor clarifications to the findings and several of the conditions. We have had extensive conversations recently with the applicant, and I believe we are -- with the exception of two conditions, one Condition No. 4, and the other one concerning the public access, lateral public access, we are in general agreement with the revisions to the staff recommendation.

Next slide, please.

The Ocean Harbor House condominium project is located in southern Monterey Bay. This is a slide that shows the area from Wharf No. 2 in the city of Monterey, at the bottom left of the slide, up to the upper right, which is Sand City.

The Ocean Harbor House condominiums are located on Del Monte Beach in the City of Monterey. There are a 172 units in the condominium complex. It was approved before the Coastal Act was adopted, and constructed in the late 1960s and early 1970s, originally as an apartment complex. In the 1990s, the Commission did approve a Coastal Development Permit to convert the apartments to condominiums, as well as provide for additional parking.

The conversion permit was conditioned to require that new buyers of the condominiums be informed of the potential hazards, due to the location along the beach in the hazard zone, and these are recorded in the CC&Rs for the condominiums.

Next slide, please.

This is an oblique photograph of the condominium complex. You can see it is sitting, virtually, right on the shoreline. It was originally sited on the coastal dunes that were fronting the beach there, and when it was originally built, apparently, there were, actually, some dunes in front of the project, including a little lateral path for the complex.

Approximately half of the condominiums are located seaward of Tide Avenue, which is indicated in the slide. The remainder are located inland of the Ocean Harbor House parking lot.

These condominiums were first threatened seriously by storms in the early 1980s, just a mere 10 years or so after it had completed construction. There were temporary winter protection measures that were used in the 1980s, including riprap, and rock revetments were also placed in front of the buildings, pursuant to an emergency permit in 1998.

And, then in 2001, there was another emergency permit that allowed the placement of riprap along the entire seaward frontage of the Ocean Harbor House. Since that time, we have been working on the follow-up conditions for those emergency permit approvals that require that the applicant pursue a complete Coastal Development Permit application, and a more long-term solution to the problem of Ocean Harbor House, and that is the result of the application today.

Ocean Harbor House is currently under a consent Cease and Desist Order from the enforcement unit to comply with the conditions of the emergency permits.

Next slide, please.

This is a shot of the existing condition at Ocean Harbor House. They do have the rock revetment in front of the condominiums. It is also covered with sand, in order to help with the visual impacts of that, and then in prior years they have also been pushing sand up to make a sand berm to assist with shoreline protection in the short run. As you can see, the revetment is right up against the condominiums, and the condominiums are on the beach.

Next slide, please.

The next two slides are of the proposed permanent solution, which is an approximately 580-foot long reinforced concrete vertical seawall, colored and textured to mimic a bluff face. This is a photo representation of what that structure might look like once it is completed. Visual issues were a concern for the City of Monterey, and as they are with the Commission.

Again, these show a visual simulation of the proposed seawall. The seawall would angle in to protect the common areas in the interior of the condominiums.

Next slide.

This is another view of what the proposed shoreline structure would look like.

Next slide.

This is a shot of the condominiums just prior to the placement of the emergency riprap that was placed a couple of years ago. As you can see, erosion has been quite extensive, and the back dune that was originally in front of the condominium complex to the left is now eroded underneath the condominiums, and the first row of condominiums are seriously threatened by ongoing shoreline erosion, and wave run ups, and storm events et cetera.

The project in front of you also includes the underpinning of the seaward spread foundations with reinforced concrete piers, removal of the existing revetment, and inland relocation of an existing sewer line, and storm water pipes and dissipators.

I think this slide speaks for itself, in terms of the precariousness of the location of the Ocean Harbor House, and therefore we are recommending that you find that there is an existing structure in danger from erosion.

Next slide.

The main issue, really framed by this project is one of considering the balance between the private benefits of approving a shoreline structure for this private development and the public cost of that development. The proposed project would result in the eventual loss of, approximately, one acre of sandy recreational beach, that is located seaward of the condominium complex, as well as the associated loss of lateral access between the city beach, which is down coast in this picture, and the state beach, which is on the far side of the condominium complex.

The loss of this beach is due to something called passive erosion, and I don't think there is any dispute that this impact is going to occur. It is well documented in the EIR. The EIR concluded that it was a significant impact, and the City of Monterey made overriding consideration findings in order to approve the seawall at all.

Next slide.

Passive erosion, of course, is the process of what happens when you fix the back beach, and there is a continuing shoreline retreat due to rising sea level. On the left side, the two left pictures show you what happens to a beach if there is no coastal armoring; essentially, the beach width remains the same as the shoreline retreats back, so you have the same beach resource as the shoreline retreats.

On the right is a representation of what would happen if you fixed the shoreline location with a hard structure like a seawall. The sea level continues to erode, the shoreline continues to try to retreat, and as a result you lose the beach in front of that structure. This is, exactly, what is going to happen in the case proposed today.

Next slide.

One of the best examples of passive erosion is right up the coast from this site. It is the former Stillwell Hall, which has since been demolished. In the slide, the picture to the upper left, you can see how the peninsula has formed right in front of the revetment of Stillwell Hall, and there is a large wide beach to the left of the structure, as well as to the right, and no beach effectively in front of the revetment.

The aerial to the lower right also gives you another view of that. You can see the wide beach coming down from the top of the picture, and then ending, you are stuck in the surf zone, and then again there is a beach on the other side. This is exactly what is anticipated to happen with the proposed project.

Next slide.

This is a comparison of Stillwell Hall, just to give you a sense of that dynamic over time. This is a 30- year time interval. The upper slide, 1972, you can see where actually the beach was not as far retreated as it is today. You actually do have a little bit of beach in front of the revetment, although, admittedly, it is contingent on the tides, and the season, as to how much beach is actually showing in these photographs.

But, then, if you contrast it with the photo below, again, you can see the peninsula effect that is going to happen, due to passive erosion.

Next slide.

The Monterey Beach Hotel, which is just very nearby, up the coast from this site, also is beginning to experience passive erosion. You can see a little bit on the down-coast side of this photo to the right, where the beach has begun to retreat inland of the seawall location.

Currently, at this location, you cannot pass along the beach, laterally, at high tide situations. Both the Stillwell Hall case, and the Monterey Bay Hotel case are analyzed in the EIR as examples of what is going to happen in the Ocean Harbor House case.

Next slide.

Our main concern with this impact, is really the loss of this recreational beach resource, and the lateral access that is currently available at the location. This is a slide which shows you a down-coast public accessway to the recreational beach resources in the vicinity of the project.

This is the city owned beach, which is right next door, and these are recreationalists coming down to enjoy the beach area.

Next slide.

In partial response to the problem of passive erosion, the applicants have proposed, and the city did require that there be a lateral access provided for beach goers. This lateral access would, generally, follow the highlighted arrows in this photo, coming up the up-coast side of the property, along State Park's property, through the parking lot of Ocean Harbor House, and back over to the city- owned city beach.

While this offer of lateral access is recognized, and is important, we do want to highlight that it is, in no way, qualitatively equivalent to what is going to be lost, which is a lateral access on the sandy beach. So, while it does provide for through access, particularly for those walking on the coastal trail, for example, in the future, it does not provide the same qualitative lateral beach access that is going to be lost, and which is currently available today.

Next slide.

The staff recommendation is fundamentally premised on an analysis of an impact that is proposed to happen over a 50-year time period, when the beach will be completely lost; however, this slide shows you that we already have a problem with lateral beach access due to the Ocean Harbor House condominium complex in this location. This is not even a significant storm event. This was a winter high tide storm condition in December of last year, and you can see there is no ability to pass laterally, currently.

The anticipated loss of the beach is going to occur, gradually, over time. Of course, the amount of beach that will actually be present in front of the Ocean Harbor House at any given time, will be dependent on the tides, and the time of year, and gradually that width of the beach that is available now, in the summer and in the winter, will disappear, shrink to the point of disappearance.

Although, 50 years is the general time frame used for analysis in our recommendation, and then in all of the materials that have been provided for the project, it is possible that it could be much sooner that we have actually lost the meaningful beach resource at this location.

Next slide, please.

Again, here is an oblique view of the project. I did want to emphasize that the environmental impact report examines a number of alternatives to the proposed project, in an effort to avoid the inevitable loss of beach here. The environmentally superior alternative in the EIR, in fact, is identified as relocating the seaward units of the Ocean Harbor House into the parking lot area. Approximately, one-third of the seaward units could be relocated into the parking lot. There is physical space to do that. That would be, if you looked at these, that "W" formation, basically, four, or so, units from each prong of the "W", 16 or so units being relocated into the parking lot.

Although this alternative would require the deconstruction and reconstruction of individually owned residential structures, in conflict with Coastal Act Section 30235, which allows for the protection of existing structures, staff has evaluated all of the other possible alternatives, including a sand replenishment proposal, as well as an off-shore reef, and have concluded that there are no feasible alternatives to the proposed seawall project.

I wanted to highlight that the Monterey Bay National Marine Sanctuary is opposed to the shoreline structure project, and in their letter in the exhibits of the staff recommendation, they are open to the idea of pursuing the offshore reef idea in more detail, although they acknowledge that that would require a lot more study, but they are not, generally, in favor of the proposed project.

Next slide, please.

As I mentioned, the main issue here is the loss of the recreational beach resource in front of the Ocean Harbor House, and the lateral access, which is partially mitigated. The staff report goes into great detail on three possible ways to calculate a mitigation fee for this impact.

The bottom line is that we have worked with the applicants over the last year, or so, in an effort to identify actual mitigation for this impact. The applicants have not provided any physical resource, beach resource, or access to a new beach, for example, have not been able to identify a resource like that, that would provide actual resource mitigation for the impact. It is not uncommon for the Commission to, therefore, move to an in-lieu fee. The alternative being to not mitigate it at all, which is something that we can't recommend.

So, in pursuing how to value the lost resource, for the purpose of this mitigation fee alternative, we looked at three different methods. One was the sand volume equivalency calculation, sort of a variation of what the Commission has been using in San Diego to support the sand replenishment supply program down there; although, in this case, it is simply a sand volume equivalency,

designed to give a one-time measure of the physical volume of the beach that is going to be lost.

The second method that is discussed in the staff recommendation is a real estate valuation method. We look at beach properties in the general area of Monterey Bay, Santa Cruz County, and in the immediate vicinity of the project, and there is strong evidence that the value of an acre of beach, or shoreline property, in this vicinity is about \$1 million per an acre.

Obviously, there is significant amount of uncertainty in real estate valuations. A lot depends on the property characteristics, where it is, and what the zoning is, and those sorts of things, but the staff report does discuss a number of different transactions that have occurred in recent years, including transaction between Monterey Peninsula Regional Parks District, and State Parks, for shore-front properties that equate to about \$1 million an acre.

The final method that is looked at in some detail is a recreational beach economic valuation. This method is increasingly being used by economists and public agencies that are grappling with the issue of how to value recreational beach resources. Basically, there are a number of different well accepted economic methodologies for valuating the non-market values of a beach, or recreational resource, one of those is called the travel cost method, where you ask people how much they do pay in order to get to a beach resource. A lot of work is going on in southern California right now to evaluate how valuable those beaches are to Californians. From those questions, you can construct a demand curve, and basically derive how much people value a beach.

We have applied that methodology in this case, using assumptions that we have verified with Dr. Lynwood Pendleton, who is at UCLA, and one of the leading researchers in this field. If you use that type of method to value the recreational beach, essentially, what you are saying is, "How much is this recreational beach area worth to the public on an annual basis?"

And, if you do that exercise, and look at how many people come to this beach area, how much beach is available, you come up with a value of \$200,000 and some, a year. Over 50 years, the loss of recreational value to the public would be greater than \$5 million.

So, I think if you take this approach, in terms of trying to value what is going to be lost here, you come up with something that is significantly more valuable than the real estate method does.

Nonetheless, we did feel that the real estate method was most closely tied to real property resource values in the vicinity of the project, and therefore we are recommending that the amount of the in-lieu fee be fixed at the \$1 million figure for the acre.

The second question that is raised by this condition -- and I believe the applicants want to speak to in more detail -- is, "Well, what do you do with having accepted that this is a reasonable mitigation fee amount for the impact, what do you do with that fee, in order to mitigate?"

Here, we are recommending that the fee be given to the Regional Parks District for the purpose of allocation of public recreational land in the vicinity of the project. We feel that this allocation of the fee is most directly related to the impact of the project, namely the loss of recreational beach area.

So, for that reason, we are recommending that the Commission rely on this method of evaluation, and that purpose, in terms of what you do with the million dollars, and in that way we hope to achieve more direct and proportional mitigation for the loss of the acre of beach in this case.

Next slide.

In conclusion, I would like to just underscore that we have reached general agreement with the applicants on the remainder of the conditions; although, there is this question about how to allocate the in-lieu fee that is being proposed. I believe the applicants would like to talk about the

possibility of using that fee for the purposes of engaging in, essentially, a planning process that would take a more regional, or sub-regional, approach in terms of how to solve the issue of maintaining the recreational beach in this area, over the long run, while minimizing the use of shoreline structures. They are not supporting the proposal to have it allocated to the Regional Parks District.

And, with that, I will conclude my staff presentation.

VICE CHAIR BURKE: Thank you, very much.

Are there any ex partes on this item?

Commissioner Potter?

COMMISSIONER POTTER: You go right ahead.

VICE CHAIR BURKE: Commissioner Iseman.

COMMISSIONER ISEMAN: Thank you.

On Sunday, the 10th, I had a discussion with Susan McCabe concerning the seawall, and the issue of the money that was going to be required, and where it should go. So, that was, basically, the discussion.

COMMISSIONER POTTER: I had a conversation last week with Ms. McCabe regarding the lack of nexus between property acquisition and coastal shoreline protection, and coastal erosion. I had a phone conversation with Les Strnad on Monday, expressing the same point of view. I had a conversation with Bud Carney yesterday afternoon, the same issue.

And, I had a conversation with the city manager of the City of Monterey, strongly supporting the concept of the National Marine Sanctuary being the convener of that dialogue discussion, and crafting a planning process that, over the years, would address the issue of coastal erosion in this area, and hopefully provide some sense of leadership for coastal protection in the greater Monterey Bay area.

VICE CHAIR BURKE: Commissioner Neely.

COMMISSIONER NEELY: Thank you.

I had a ex parte communication this morning with Susan McCabe, who said they were pretty much in agreement with staff, with the exception that they wanted to bring forth some options regarding a regional approach --

VICE CHAIR BURKE: Thank you.

COMMISSIONER NEELY: -- with the fee.

VICE CHAIR BURKE: Any others?

COMMISSIONER KRUER: Mr. Chairman, last week, I had an ex parte communications with Susan McCabe on this issue, and the discussion was along what Commissioner Potter said, and also the idea of the mitigation, and the amount of money, and whether it be better used for other than just giving it to the parks, but right in that area, where it is a nexus, et cetera.

VICE CHAIR BURKE: Before we start taking testimony, I only have --

COMMISSIONER PETERS: But, Mr. Chairman, one more.

VICE CHAIR BURKE: Oh, I am sorry, Commissioner Peters.

COMMISSIONER PETERS: I had a conversation with Susan McCabe along the lines described by Mr. Kruer, on October 8.

And, then, on October 11, I spoke with Mark Massara, and he expressed support, by telephone, he expressed support for the staff recommendation.

VICE CHAIR BURKE: And, on October 11, I also had a conversation, telephonic conversation, with Mr. Massara on the issue.

There is only one question I have before we start taking testimony, when you described the annual loss of value of loss you expressed it as \$200,000 a year, and you said in a 50-year period that would equal loss of \$5 million. When I rushed to my calculator, it was \$10 million.

DISTRICT DIRECTOR LESTER: I misspoke about the annual value loss. The acre of beach would be valued at \$207,000 per year. You would lose 835-square feet of beach a year.

VICE CHAIR BURKE: Well, let's state the \$207,000, and then over a 50 year period?

DISTRICT DIRECTOR LESTER: Right, but you would only lose a portion of that in the first year, and then two portions of that in the second --

VICE CHAIR BURKE: Okay, got it --

DISTRICT DIRECTOR LESTER: -- year, et cetera.

VICE CHAIR BURKE: -- thank you.

COMMISSIONER KRUEER: Staff is still right, because at the present value of would be, probably, \$5 million over a -- even if it were \$10 million, the present value would be \$5 million.

VICE CHAIR BURKE: Okay.

Calling to the podium Mary Serlons -- and I know I killed it.

MS. SEIERSEN: That is perfectly all right, every- one does. It is Seiersen.

VICE CHAIR BURKE: Thank you.

MS. SEIERSEN: It is that spelling that does it.

I am Mary Seiersen, and I am the president of the Homeowners Association at Ocean Harbor House. I am so happy to be here today. It has been almost six years since the Homeowners Association convened the first sea protection committee meeting to discuss our issues.

EXECUTIVE DIRECTOR DOUGLAS: Mr. Chairman.

VICE CHAIR BURKE: Yes.

EXECUTIVE DIRECTOR DOUGLAS: Excuse me, did you figure out what amount of time they are going to need for their presentation, so that we can set the timer?

VICE CHAIR BURKE: Oh, yes.

MS. SEIERSEN: Fifteen minutes.

EXECUTIVE DIRECTOR DOUGLAS: Okay, is that 15 minutes for everyone --

VICE CHAIR BURKE: No.

EXECUTIVE DIRECTOR DOUGLAS: -- on your side?

VICE CHAIR BURKE: Before we even start her testimony, I see that our court reporter has her pen up, so I am going to have to delay your testimony until we give her at least a 10-minute break, and then you can start on your 15 minutes.

EXECUTIVE DIRECTOR DOUGLAS: Okay.

MS. SEIERSEN: Okay.

VICE CHAIR BURKE: Thank you.

[Recess]

VICE CHAIR BURKE: If we can get those to come forward who are in the room, and we are about to start testimony. The microphone is on, and so are you.

MS. SEIERSEN: Thank you, very much. My name is Mary Seiersen. I am the president of the Homeowners Association Ocean Harbor House. As I said, we have been a long time at this, and we are so happy to be here, finally.

I do want to thank the staff for recommending approval of our project. We very much appreciate that; however, we have some beach preservation issues that we need the Commission to resolve today. I am certainly passionate about this issue, as this is my home. It is my retirement home. I retired as a teacher in Monterey County for many years, and this is where I chose to retire, so I am very passionate about saving my home, and we at Ocean Harbor House are also very concerned about the beach, and the preservation of Monterey Bay.

Our team today would like to provide some information about the long-term preservation. There has been a letter submitted by the City of Monterey, and we certainly are in agreement with the idea of a regional solution, such a beautiful bay, such a beautiful beach. It is not just the preservation of Ocean Harbor House, but I think a grand opportunity to really save our bay.

I would like to introduce Bud Carney, who will introduce our team.

Thank you, so much.

VICE CHAIR BURKE: Thank you.

Mr. Carney, would you state your name for the record, please.

MR. CARNEY: Mr. Chairman and members of the Commission. I am Bud Carney. I am the president of the California Land Planning, and what I would like to do this morning is to introduce our team.

You already met the president of the board, Mary Seiersen. I would like to introduce Les Strnad, who is our coastal zone management analyst, Les used to work with the Coastal Commission, he worked in the Santa Cruz office, was in charge of the permit section; and, Dave Larsen, who is our attorney; Steve O'Connor, who is our geotechnical engineer; and Dr. Reinhardt Flick, who is our consulting oceanographer. Also, with us is Mark Rogers, who is with Semrock, who do all of the facing on these projects that we have worked with. Our team is here to answer any questions that you may have, as was mentioned, we only need 15 minutes, so we are going to go through this very quickly.

I also want to thank Charles Lester and Diane Landry, and Susan Craig, for working so closely with us. This was a long haul. It is a complicated project, and we appreciate the fact that they are recommending approval.

We are, basically, wanting to remove the riprap, and put in a new foundation underneath Ocean Harbor House, which will also act as a seawall. What is interesting about this project, that it is entirely on the private property. Unlike the motel, or hotel, up the beach, where they went onto three feet of public property, this is not going onto any public property.

This went to the City of Monterey. The City of Monterey unanimously approved the project. They added the caveat that what they would like to do is to see the regional issue of sand erosion that is occurring between Wharf No. 2 and Sand City be addressed, and we agree with them, that this issue is the key issue in the City of Monterey, along the Del Monte Beach.

We, also, subscribed to the idea that the City of Monterey proposed, and that is they want to have the seawall look like a sand dune, so it is going to be designed so that it looks like it is sitting on a sand dune.

One of the unique things about this project, that it will relocate a sewer line that now, if damaged in the storms, would leak out raw sewage into the National Marine Sanctuary, so that is another key aspect of the project.

As Charles Lester mentioned, there were four conditions that we had issues with, two of them now we no longer have issues, in the staff amendment. No. 3 condition, we did volunteer public access, and staff is recommending that that public access be open until 10:00 o'clock at night, and we are saying from sunrise to sunset, so that is one of the changes we would like to make.

And, the other issue is Condition No. 4, which deals with the big picture, and that is the mitigation of asking for \$1 million to be placed into a fund that would be generated by the Ocean Harbor House owners.

I would like to have Les Strnad make a presentation to you, Mr. Chairman, and members of the Commission, to talk about how we believe this million dollars ought to be used. The Ocean Harbor House board of directors struggled with having to come up with this money. It is a very expensive project to build this seawall, adding another million dollars to it, almost broke the project; but, they believe that if this larger issue is addressed, then everybody in the City of Monterey, and the public who comes down to enjoy this recreational resource -- that is the beach -- will benefit, over time.

So, Les, could you make your presentation. And, thank you for the time. We are here to answer any of your questions, and our staff here is also here to answer any questions that you might have.

MR. STRNAD: Sorry, for my slide view. It was going a little bit fast for my speaker.

Good morning, Mr. Chairman, members of the Commission, thank you for --

VICE CHAIR BURKE: Would you state your name for the record, please.

MR. STRNAD: Oh, yes, my name is Les Strnad. I am the former district manager for the Central Coast District. I had the privilege of spending 24 years at the district, and during that 24 years, I had a considerable experience with seawalls. I don't know if that is good or bad. Some people say it is good, I don't know, working on seawalls is a very hard experience.

Again, I want to thank your staff. They did a very thorough analysis, and I appreciate the recommendation of approval.

No one wants to build a shoreline structure, unless it is absolutely deemed necessary. Ocean Harbor House was built 30 years ago, when we didn't understand shoreline erosion processes, very well. We recognize that building a seawall will have impacts, your staff pointed it out. Those impacts occur, however, along the entire shoreline.

The beach is eroding between 1.7 feet to 2 feet along that whole crest, not just in front of Ocean Harbor House, so that erosion is occurring along that whole crest from Wharf No. 2 all the way over to the City of Seaside -- actually, all the way along to Sand City. So, while it may create a peninsula effect in front of Ocean Harbor House, when the seawall goes in, the erosion will take place along the whole beach.

In the suggested modified Condition No. 4, what Ocean Harbor House board is asking is that if the mitigation is necessary, that the Coastal Commission please support Monterey City's proposal for the regional solution, which would address both the erosion, and alternatives for sand nourishment.

Why? Ocean Harbor House, in their process of building a seawall created a geologic hazard abatement district -- some of you may be familiar with that from southern California. It is a process of management, and being able to manage bonds, and it is a very efficient program for dealing with multiple entities. It is a stepping-off point, also, in this area, to allow for other agencies, and other property owners in this area, to tie onto a GHAD in this area, to form a regional entity, if that is supported by your Commission.

This GHAD would be for a regional beach, erosion program. It would bring experts together to identify feasible alternatives, perform cost benefit analysis, engineering design, and hopefully a design for implementing a sand nourishment program. It would also include management, maintenance, and monitoring.

Now, a million dollars doesn't pay for that. A million dollars would help pay for the studies and programs, and the programs and the entities working on that, of course, would have to go out for other funding.

Let's talk about the facts. The sea level is rising. The shoreline along this entire stretch is eroding. The problem isn't going to go away. Buying beach some place else isn't going to restore beach in this area.

We need the Commission's help. Your years of experience and expertise is essential to help make this work. Ocean Harbor House is willing to help this regional solution by directing the million dollars of mitigation fee through the GHAD that one day sand would be returned to the beaches.

Your staff has pointed out that the sand nourishment project may never happen. Well, we want to see the recreational beaches restored and maintained, like everybody else, but this will never happen, either without a recommended regional erosion program being given a chance. If you don't give it a chance, you aren't going to see sand on the beach. It is a Catch-22.

Commissioner Potter can tell you, right down the beach a quarter mile, is a major sewer pump station for the City of Pacific Grove and Monterey. It has riprap around it right now. In the next couple of years, it is going to be in harms way from shoreline erosion, and will probably be before you for a shoreline structure. It can dump raw sewage right into the National Marine Sanctuary.

Look at this project as an opportunity to address one of the biggest problems facing coastal communities. The information from the proposed GHAD, the regional program, may develop the framework and policies and how coastal communities deal with the rising sea level, and coastal erosion.

Ten years ago, through your leadership as a Commission, the Monterey Bay National Marine Sanctuary was designated, the largest marine reserve on the planet. Mr. Lester mentioned that the staff of the Marine Sanctuary was not in support of the project, but they did mention that they were in support of a comprehensive regional approach to dealing with shoreline erosion problems, and that they were even willing to look at a potential offshore reef seawall solution. The National Marine Sanctuary staff would be a member of the GHAD that I mentioned before, under the proposed condition.

In closing, we ask for your support for the revised condition. Please join us in a solution and a chance to do something along the entire beach. The regional approach to sand nourishment, and maintaining and rebuilding the recreational beaches along south Monterey Bay, won't have a chance if we don't do something now. Give it a shot.

Thank you, very much. Our experts are here to answer the technical questions, and we would be glad to answer other questions.

Thank you.

MR. CARNEY: Mr. Chairman, that concludes our presentation, and as Mr. Strnad just said, we do have our technical experts here, if you have any questions.

And, again, we want to thank staff, and we want to thank you for all of the hard work that you have done over the years.

VICE CHAIR BURKE: Thank you.

Mr. Scott Williams, and you have two minutes.

MR. WILLIAMS: Thank you. My name is Scott Williams, 638 West Circle Drive, Solano Beach, and I am representing Cal-Beach Advocates.

First of all, I would like to compliment the staff on its staff report. It is a very thorough analysis, I think right on it, and particularly with the science involved.

And, that science involved is we are going to lose the beach to passive erosion, and not just the present beach, or the beach in 50 years, but the future beach, because what the staff report very clearly says is that because of the seawall being in place, the mean high tide line, which defines the boundary between the upland private property, and the seaward public property is not going to move past the seawall. All that land that would otherwise be public beach, is going to be lost.

Now, is it really the Coastal Act's intent that this happen? is it the Commission's duty to preside over the laws of the public beach in California? I understand the legal constraints about existing structures, but when does an existing structure cease to exist as an existing structure? Well, are going to continue to allow them to be constantly rebuilt, remodeled, and yet retain their status as existing structures?

It seems to me that the Commission, at some point, needs to address the question of how long is an existing structure an existing structure, and shouldn't there not be a time limit involved?

And, I would like to get to another issue, and that has to do with the mitigation. In San Diego, as I am sure you are aware, we have sand loss mitigation fees. The term of the permit for seawalls is strictly limited to the time period involved in calculating those sand loss mitigation fees, and that only makes sense. If you are going to approve something, and you are going to say it is mitigated, then you have got to tie the permit conditions -- in this case, the life of the permit -- to the mitigation that you are requiring. And, usually in San Diego, it about 25 years. In this case, I don't see a

conditioned permit that ties the length of the permit to the time period of the mitigation.

In this case, the time period of the mitigation is 50 years, the loss of one-acre of public beach. But, what if the seawall continues beyond that? what if the seawall is there 100 years, then we have lost two acres of public beach.

I don't think that you have adequate mitigation here, and if you have any questions, I would be happy to answer them.

VICE CHAIR BURKE: Thank you, very much, your timing is perfect, as your time ran out --

MR. WILLIAMS: Thank you.

VICE CHAIR BURKE: -- you ran out.

Mr. Chad Nelsen.

MR. NELSEN: Commissioners, staff, my name is Chad Nelsen. I represent the Surfrider Foundation, and our Monterey County chapter.

The Surfrider Foundation joins the Sierra Club, Audubon, California Native Plant Society, and the Monterey Bay National Marine Sanctuary, in opposing this project.

And, the primary reason we are opposing it is because we believe that the relocation of seaward units alternative is the environmentally superior and feasible alternative.

In the staff report, the primary reason they give for --

How much time do I have? Excuse me.

VICE CHAIR BURKE: Two minutes.

MR. NELSEN: All right.

The primary reason that they give for not considering this alternative is that it will only buy 15 years, and I have two thoughts about 15 years: one, in the context of coastal zone management, which has only been around for 30, 15 years is pretty good. That is a pretty decent amount of time.

And, second of all, they talk about the loss of the beach taking 50 years, and I don't understand how the beach in front of the seawall will take 50 years to lose, but we would only gain 15 years by moving back. So, again, I think we will buy more time than that by moving those units back.

If you should go the mitigation route, we believe that, first of all, obviously, this is an irreplaceable resource, so we are sort of putting our public beach for sale, which is alarming. According to the estimates in the staff report, a million dollars seems pretty conservative. It could be a lot higher. And, the possibility of buying public land should be analyzed to make sure they are actually places where we can do that. The idea of funding a study for the actual loss of beach, we oppose.

We are not against regional planning. It is something that, clearly, Monterey needs to do. It just shouldn't be funded this way. There are other mechanisms to fund regional planning, which is happening all over the state.

And, finally, we think that there should be some alternative considerations into uses of that mitigation money. There is possible -- it was mentioned that there is some sewer lines that are troublesome, and there are other places where maybe we could have direct and positive improvement to the public beaches in Monterey County, using that money.

That's all, thank you.

VICE CHAIR BURKE: Thank you, very much.

Mr. Massara.

MR. MASSARA: Good morning, Honorable Chair, Commissioners, I am Mark Massara, Sierra Club Coastal Program.

Sierra Club agrees with the EIR for this project, and the position of the Monterey Bay National Marine Sanctuary analysis, that by far the most environmentally preferable alternative, with respect to this project, is not to build the seawall, but instead removal and relocation of the seaward most, and most inappropriately sited condominiums.

We agree with your staff on one point, and that is that the seawall will have catastrophic impacts on the public beach that can never adequately be mitigated.

Where we disagree with your staff's analysis, is on the recommendation of a \$1 million mitigation fee, because we believe that this is outrageously inadequate. It is virtually without doubt, that this structure, the seaward-most condominiums, is the most inappropriate, unreasonable, regrettable residential development in the entire coastal zone in California. It happens to be right on top, also, of one of the state's nicest beaches.

Numerous past efforts to build seawalls and shoreline armoring at this location have been miserable failures, and even the applicant acknowledges that the latest proposal is merely a temporary band aid, and will not solve the problem in any comprehensive way. Commissioners, this the definition of a public nuisance, and as such, it frees you from these constraints associated with takings problems, and Constitutional issues.

It frees you to do the right thing, and the right thing is what the EIR, and the Monterey Bay Sanctuary, are recommending to you, and that is that the seaward-most condominiums be removed.

One last point, on this \$1 million, what exactly does \$1 million get you? It doesn't even get you one of these condominiums. So, why would we accept \$1 million?

Our view of the worth of this beach is that it is worth no less than \$50 million, and as such, we would really urge that you encourage the association to move these condominiums to the parking lot, or you know, some other location that they may come up with. But, the \$1 million mitigation fee is not adequate.

Thank you.

VICE CHAIR BURKE: I am assuming that Les Strnad was with your organized presentation, as well as Dave Larsen?

UNIDENTIFIED SPEAKER: Yes.

EXECUTIVE DIRECTOR DOUGLAS: Yes.

VICE CHAIR BURKE: Okay, then we will return to staff.

DISTRICT DIRECTOR LESTER: Thank you.

First, let me just make an observation about the problem that we are dealing with --

VICE CHAIR BURKE: They had run out of time for rebuttal, but let's give them two more minutes for rebuttal.

MR. CARNEY: Mr. Chairman, we are going to just give all of our time to staff. We don't feel that it is necessary to discuss it any further.

VICE CHAIR BURKE: Thank you, very much.

Staff.

DISTRICT DIRECTOR LESTER: Thank you.

I wanted to observe, first, that in staff's view the problem here that we are dealing with is development on an eroding shoreline, and what to do about it. The problem of shoreline erosion, or shoreline retreat, that is not the problem. This is a naturally occurring shoreline dynamic, and is well recognized as one of the highest erosion shoreline retreat rates in state. That is happening. It is going to happen. I think our problem is that we have decided to develop in front of that, so now what do we do about it?

The proposed change to the mitigation fee condition, essentially, proposes to use the in-lieu fee for regional planning process. We are supportive of regional planning. We have engaged in developing a work program with the Monterey Bay National Marine Sanctuary to pursue future regional planning in the Monterey Bay Sanctuary. We have talked about it in our periodic reviews many times.

It is not that this idea is a bad idea, it is that we don't feel, in this case, there is a direct connection between the impact of the project, which is an acknowledged loss of beach area, and a planning condition that may or may not

result in an outcome that would address the issue of development on an eroding shoreline.

There is no direct connection to the impact. It won't realize any shoreline property that would be happening under the proposed condition. The outcome is just speculative. There are currently prohibitions in place for any number of the alternatives that might be considered in a planning process. For example, the sanctuary doesn't allow dredging or disposal of sand into the sanctuary, which would be a necessary -- at least the disposal -- in a sand replenishment strategy. The offshore reef strategy is not allowed currently. That would raise numerous questions about resource impacts. Grinds, similarly, would not be allowed in the sanctuary.

There is one alternative that is interesting, in this case, which is planned retreat. You have heard a lot about that in recent years. This is one of the location in the state where we actually have not much private development along this stretch of coast, but a lot of public infrastructure and types of resources that could be, perhaps, retreated over time, cost effectively, if you looked at it in the big picture of how much we are going to spend, in order to try to maintain a public recreational beach here.

But, the bottom line is the staff doesn't feel there is enough of a direct connection of the impact that is going to be caused by this project to justify a speculative outcome through a planning process.

I also wanted to emphasize that the primary purpose of the fee is to mitigate the impacts to public access and recreation. It is not a sand supply mitigation fee, in the way we have been applying that in San Diego.

Another clarification I wanted to make, it was mentioned about the Monterey Beach Hotel up the coast, and they have a seawall, as well. We did a permit for repair and maintenance of that seawall, but that was a very different type of permit item than this new seawall for existing development, so I wanted to make that clarification.

I also wanted to mention that Mark Johnsson is available here today if there are questions about the geology, and also related to that, Mark has brought to my attention that we have been recommending on similar projects a monitoring condition to be applied to these kinds of projects.

This just came up a minute ago, so I haven't had a chance to talk with the applicants about it, but basically it would require long term monitoring of the shoreline dynamics in front of the seawall, if it is approved, so that we can better document how the beach profile does change over time, and we would recommend that a condition be added for a monitoring plan for Executive Director review and approval.

EXECUTIVE DIRECTOR DOUGLAS: Well, I am not sure that we are going to recommend that, that last part.

We are in agreement that erosion is occurring here. I don't think there is any debate about the dynamics of it. It is just a question of what do you do, given that the structure is in place, it exists, it is obviously going to be affecting a public resource, how do you deal with that, given the law and what we have to do under the law, in terms of allowing a protective work to protect an existing structure?

This was our best judgment, in terms of how to offset, or compensate, a loss of a public resource by using the fees to provide a public benefit, and the benefit would have to be provided in the same area as the loss. Spending the money on a planning alternative is not, in our view, compensation, or offset for the loss of the public resource.

We, very strongly, support the notion of regional planning, trying to find a regional approach to shoreline erosion along here, but we just didn't think it was the appropriate use of these fees.

So, that is the dilemma that we now pass to you to solve.

VICE CHAIR BURKE: We always appreciate the opportunity for these kinds of situation.

I recognize Commissioner Potter.

COMMISSIONER POTTER: Thank you, Mr. Chair, and I would like to recognize all of the hard work that has gone into this project. Obviously, it has its associated controversies, as does any seawall. But, I think it is pretty irrefutable, the fact that there is no other viable alternative.

Relocating the units, I was actually on site when this place was constructed, and I was in a decision-making capacity with the city when it was modernized and turned to condos in the 90s, and this is one of the few projects that actually utilizes car lifts, in order to stack the cars one on top of the other to try to accommodate the parking situation there. So relocating the units to create additional density back further into the project, I don't believe is viable, and I think Mr. Krueer's developer blood would say the same thing. It just doesn't work as far as a reasonable alternative.

So, unfortunately, we are faced with the wall, and there are two things that I think important to realize here, is that I have a very hard time making a nexus connection between the acquisition of property as a mitigation for this project. I believe that that really doesn't go to the issue at hand, which is preservation of a resource, versus loss of a resource. It has, absolutely, no connection to any efforts to stop coastal erosion in this area. It would, simply, provide a public amenity, but doesn't really address the problem at hand, which staff has very well articulated along with the applicant.

So, I think, though, the formation of a district to go ahead and take these dollars, amortized over 7 to 10 years, is an appropriate place to go. I think you can make a connection, a very strong connection, to the fact that this is what we really should be doing, as leaders in resource protection.

And, to go ahead and say, "Well, we've got the largest National Marine Sanctuary in the United States at the doorstep of this project, and we have common interests from Pacific Grove through Santa Cruz, that we can't take this opportunity to step forward and say, 'Let's bring these agencies and jurisdictions together and let's start talking about what are we going to do.'"

So, when, as was said, the sewer project comes forward, we are not in reaction to a project proposed to protect that, but we have had some discussions and planning in place to talk about the possibilities. And, I have talked with the National Marine Sanctuary about the possibilities of some sort of reef construction, in an experimental capacity, to see what would happen.

We have some of the brightest minds, academically, and in the marine science institutes in the world in this greater area. I think there are 27 different academic and research agencies rimming the entire Monterey - Santa Cruz Bay, and that is a resource that I think, through the sanctuary we could bring those people together, and start talking about what are we going to do, so that Capitola and Santa Cruz doesn't end up looking like Encinitas. I think it is a much stronger place to be, than it is being in continual reaction to projects as they come forward.

I would say that, you know, also going to public access, this project has a very significant new public access component that didn't exist before, and that is the ability to go through this project out onto a nearby state beach that has very, very limited access to it, as it is. To be able to go through this project, appropriately signed, knowing that that resource is out there, and that the public has an opportunity to enjoy it, is an experience that doesn't exist right now. Keeping it open until 10:00 o'clock at night, I prefer to see it closed at sunset, just like all of the other state beaches in the greater area.

But, that piece of property over there, the Ponderosa site, was one of the most significant decisions in the courts, as far as a public taking. And, the City of Monterey was forced to pay millions of dollars as a consequence, so I

think it is time that we really get as much access into that property as possible.

I am certainly open to any suggestions, but I really believe we have got a chance to come out here and lead in the planning world. I don't think that is wrong.

VICE CHAIR BURKE: Commissioner Kruer.

COMMISSIONER KRUER: I appreciate the comments of Commissioner Potter. He has clarified a few things for me.

I guess, only one thing -- and maybe staff or Commission Potter can help me. I am concerned about one thing, and listening to the presentation today, and I've seen this work many times, sometimes it works really well, and sometimes it doesn't, but as far as the mitigation, the million dollars, I think regional planning is a good idea, only if there is a real end game, and there is a master plan that really is going to be effective, that we are going to preserve and help this erosion. But, if it is something to fund a bunch of planning positions, that I have seen done many times, and never do anything to protect the erosion, et cetera, I can't support that.

But, I can support something as long as somebody tells me that there really going to be -- maybe the million dollars, if you are going to go that route, should be only given out, not to give 25 academicians to come up and do studies, and the million dollars is gone, and we still have the same problem, but something that I could be assured, at least from my perspective, that there really is going to be something good coming out of this, and it is going to end up being mitigation, and there is some kind of master plan with a schedule, and a goal, where other people are going to put money in, that something really good is going to happen, because otherwise, it is just going to end up in a big -- everybody is going to be studies, and outside consultants, and everything else, and five years from now we will find out the million dollars is gone, and nothing has happened.

So, maybe, Commissioner Potter, because I like the regional planning idea, but I am very suspect, sometimes, when it comes to something directly like this, for mitigation, that doesn't end up being just a free for all for outside consultants, and people to tap into this for, you know, the planning.

VICE CHAIR BURKE: Thank you, very much.

Commissioner Albert.

COMMISSIONER ALBERT: I think we have a wonderful opportunity here.

Traditionally, there has been a subconscious assumption that structures have their own rights, which is understandable. But, in the last decade, two decades, there has been a continuing increasing of understanding, in terms of how to deal with natural processes.

We all know that coastal armoring is an endless saga, once you put riprap in, then you have got to put a wall in, then you have got to look at putting a reef in, then you have to put in wings in, and really it is the tail wagging the dog.

There is no doubt that I think we all agree that this project should never have been built where it was, but having been built in '71 it had the right at the time. Now, instead of, in a way of continuing to respect that right, when the laws have changed, and for some years, I think that there is an extraordinary opportunity here to really look at planned retreat, as a first choice, as opposed to trying to counter natural forces, forces of nature, which we still don't understand, although the science of aqua-dynamics, and all of the elements of beach erosion, are being increasingly well defined, all you have to do is look at the history of science and medicine and know that today's absolute certainty is tomorrow's misinformation, or old information.

The public access to this beach, and this piece of beach, as part of the whole, are irreplaceable resources. Once they are gone, they are gone forever.

There is no way that it is going to be rebuilt, or refurbished, or put back in a natural condition.

At this point, I would really like to see serious study and serious consideration to moving the 16 units. The developers have shown great creativity with the car lift, in terms of being able to deal with a parking situation. Obviously, there are going to be elements that complicate it, but at least in terms of my understanding of the staff report, and the speakers that I have heard here today, personally, I would love to see further investigation, and it may be that we are part of a sea change here, in the truest sense of the word, that instead of trying to put current and admittedly incomplete science into working towards a solution for this situation, to really allow the natural process to continue, acknowledge that, honor that, and adjust ourselves, and our structures, accordingly.

I don't know if there is more information available on the planned retreat idea, or if more study needs to be made, but I really think there is an extraordinary opportunity here to work with the local planning people, to work with the developers, and to find a way of regaining the priceless resource of this beach, a very, very beautiful beach.

I was actually surprised that the planned retreat concept was even brought up, and I love the fact that it was, but I think that we should cherish it, and nourish it, as opposed to assuming that it is too complicated mechanically, or too expensive.

Again, in terms of the value of mitigation, when you take something away that can never be replaced, that, in my book, the value becomes priceless.

I really think that the time of trying to dominate natural processes is long gone. I think we are in a transitional interim period, where we are trying to fight natural processes to the best of our ability. I think we have an opportunity here to take another step, and really acknowledge and honor the natural processes, and adjust our constructions accordingly.

Thank you.

VICE CHAIR BURKE: Commissioner Caldwell.

COMMISSIONER CALDWELL: Thank you, Chair. I have several questions for staff, if you will permit me.

Staff, based on my review of the staff report, it is clear to me that you have conducted a very thorough and well researched and documented review, including an individualized determination on the mitigations that you are proposing, including the mitigation fee, and it is clear to me, also, that the mitigations you are proposing do directly address the impacts of this development, and they are, at least, roughly proportional to the lost resources.

But, regarding that, I guess I have two questions: one is, what -- and I think this is a question all of us have -- what do we envision this \$1 million being used for? It is clear to me other mitigations are obvious, providing the public access around and through this development, for example, but where do we see this money actually being used, and for what?

DISTRICT DIRECTOR LESTER: Commissioner, the condition is structured to go to the Monterey Regional Peninsula Parks District for the acquisition of shore front property in southern Monterey Bay, which is, basically, between Sand City and the City of -- Monterey Bay. That would be done in consultation with the Executive Director, but the basic intent is to acquire property for whatever can be acquired, and the parks district has a long history of acquiring and preserving and making available to the public properties in this area, including a number of properties in Sand City, and in the City of Monterey, and they are in an ongoing process of still doing that. There are properties available, and so the hope is that this would go towards that type of acquisition.

In the event that that didn't occur within 10 years, I believe, it would then be -- the fall-back would be to go to State Parks for recreational improvements in the vicinity, such as trail improvement, or improvements to the

state beaches in the immediate vicinity, which is not as directly related as the property acquisition, but it is the next best thing.

EXECUTIVE DIRECTOR DOUGLAS: We did try -- well, we did limit the geographic reach of the use of the mitigation funds, both in terms of distance along the shoreline, and inland, landward, so that it is limited in its application to a coastal strip.

And, then, if it is not used within a certain period of time, then it can be used for actual recreational improvements, as opposed to acquisitions, but, again in that area, in that geographic area. So, that is what we are proposing, and --

COMMISSIONER CALDWELL: Okay.

EXECUTIVE DIRECTOR DOUGLAS: -- open to any guidance you want to give us.

COMMISSIONER CALDWELL: So, I have a follow-up on that, because there was a suggestion for a monitoring program. If we are using the funds, or hoping that the funds are used, ultimately, for acquisition, so new public spaces, new public resources, exist on the coast, then it doesn't seem to me that we really need a monitoring program for that.

EXECUTIVE DIRECTOR DOUGLAS: No, and we are not recommending that.

COMMISSIONER CALDWELL: Okay.

EXECUTIVE DIRECTOR DOUGLAS: That was an idea that just came up, and we haven't evaluated that, so we are not prepared to just insert that now.

COMMISSIONER CALDWELL: Okay, I have a couple more questions, if that is all right.

Regarding there is another issue regarding the mitigation fee, and how it relates to the life of the permit, and I was just interested in a response from staff on that?

DISTRICT DIRECTOR LESTER: Basically, the permit is structured, the mitigation is based on the 50-year life of the proposed seawall, and there is a maintenance condition that requires them, the applicant, the Ocean Harbor House condominiums, to come back in for maintenance as required, and through a permit process.

And, the implicit assumption of the permit is that through that process of securing new permits for repair or a new seawall, that additional impacts beyond 50 years would be addressed at that time. But, you are right, there is no specific requirement that something happen in 50 years.

There is discussion in the findings about how we anticipate that that may happen, and in the event that it did, they would need to come back with additional mitigation for any time period beyond 50 years.

COMMISSIONER CALDWELL: And, does our staff geologist actually believe that these structures will exist in 50 years? including the seawall?

EXECUTIVE DIRECTOR DOUGLAS: I want to hear the answer to this one.

SENIOR GEOLOGIST JOHNSON: That is, perhaps, more of an engineering question, than a geological one.

The seawall is being designed so that it should be safe from scour at its base for that amount of time. It will, likely -- well, not likely, almost certainly, begin to be out flanked before that time, and part of that repair and maintenance will, probably, be wing walls, the wings cycle that we are talking about.

COMMISSIONER CALDWELL: Okay.

I have another question, regarding the public access that is one of the mitigations, the applicant raised the question about the, sort of the time of day that that public access will be open, and you have suggested a time frame, and they suggested sunrise to sunset. Do you have any problems with sunrise to sunset?

DISTRICT DIRECTOR LESTER: Well, we have recommended that it be opened 6:00 a.m. to 10:00 p.m. which is the hours of the city beach, that is immediately adjacent.

The State Parks Beach, on the side is open 24 hours a day. Their parking lot is not open 24 hours a day, but anyone can use the beach for 24 hours a day, so we felt we were already recommending a more limited hours for the opening based on the city beach hours.

My understanding is they have concerns about lighting and safety, but we think that those could be dealt with easily by lighting the accessway.

VICE CHAIR BURKE: Commissioner Nava.

COMMISSIONER NAVA: Oh, thanks.

I have been here 8 years now -- feels like about 72 -- but, what I think I see the Commission doing repeatedly over and over again, is devaluing the dollar value of public land.

And, effectively, what you have in this situation, is a private taking of public land, for the benefit of the private landowners, because that is what the law says they are entitled to do, as it relates to armoring of the shoreline, so that the structure is protected.

And, if we are considering a mitigation amount, it seems to me that the better formula is the kind of formula that was applied on the southern California beach where there was a spill. There was a deprivation of the public's use of that beach. It was based upon recreational value, and the recreational value, and the loss of that is certainly far in excess of \$1 million.

And, quite frankly, since we are in an era where we repeatedly are told that we need to operate ourselves more like a business, I would suggest that we do that, as it relates to the appropriate valuation of the loss of the recreational benefits to the public. So, \$1 million is far below what I think is going to be an appropriate amount, particularly given the suggestion that the money is going to go into a regional planning process, and the Commission doesn't want to get involved in the monitoring of those dollars, because it creates any number of jurisdictional issues.

But, I agree with Commissioner Kruer, that to take \$1 million and to send that check over to a regional planning body without any controls, and without any monitoring, means that we just have absolutely no sense of how that money is going to be spent.

And, I don't have any objection to people getting flat screen monitors and new keyboards, but without a specific way to insure that those dollars are being used effectively, we are not satisfying our obligation to the public.

If it were a private property owner negotiating with the Commission as to the value of that land, and the loss of it for as many years as it is going to be lost, it certainly wouldn't be \$1 million -- they would maximize the return on that.

So, however we go here, I think we have got to come up with a figure that is realistic in the real world, and that relates to the loss to the public, because that, quite frankly, is what we are confronted with here.

VICE CHAIR BURKE: Commissioner Rose, then Commissioner Kram.

COMMISSIONER ROSE: I would like to commend staff. I think you have done a wonderful job, and I think the addendum is particularly well written, and to each of the points that have been brought up.

And, I would like the Commission to know that I support this staff recommendation, as written, including the hours. I think that is quite persuasive. I think to have people allowed to go on one beach for a certain amount of hours, and for the other, another, it is just very confusing to the public, and doesn't really aid access.

I think the million dollars has been thoughtfully arrived at, and I wish Ocean Harbor House 50 years of really good luck.

VICE CHAIR BURKE: Commissioner Kram.

COMMISSIONER KRAM: I guess I, initially, agreed with Commissioner Nava, that my initial impression was that the million dollars seemed too low; however,

I understand the public has lost most use of this beach already, and will soon lose the rest of the use of the beach, is that correct? even with their using the riprap?

DISTRICT DIRECTOR LESTER: Actually, there is still quite a bit of beach in front of the structure in the summer.

COMMISSIONER KRAM: It is seasonally.

DISTRICT DIRECTOR LESTER: Yes, seasonally. And, in the winter, you do have quite narrow beach, depending on the time of day and the tides and the storm conditions. You may have no beach, like in the photo I showed.

But, there is a beach. You can see one in that photo there, which was --

COMMISSIONER KRAM: But, will the --

DISTRICT DIRECTOR LESTER: -- probably a summer profile.

COMMISSIONER KRAM: But, will the seawall accelerate the loss of beach beyond what riprap would do?

DISTRICT DIRECTOR LESTER: No, I don't believe it would accelerate it beyond what would happen with the riprap there.

But, the existing condition that we are starting from is as if there is no riprap. The riprap was an emergency response that was --

COMMISSIONER KRAM: Correct.

DISTRICT DIRECTOR LESTER: -- permitted as a contingency.

EXECUTIVE DIRECTOR DOUGLAS: And, I think the other part that I would add is that, were these structures not there, or were they to be moved landward, that the beach would continue to move --

COMMISSIONER KRAM: Right.

EXECUTIVE DIRECTOR DOUGLAS: -- whereas this is going to fix the boundary, at least as long as Mother Nature allows it to stay there.

COMMISSIONER KRAM: And, the last question was for the applicant.

How much is the seawall going to cost? what is your estimates?

MR. CARNEY: Mr. Chairman, it is going to be close to \$7 million.

COMMISSIONER KRAM: Is there a way that we could allocate some of the money -- and I think it was Scott Williams, or Mark, who suggested -- to sort of immediate projects -- to preserve other areas that have more immediate problems, at least some of that money?

EXECUTIVE DIRECTOR DOUGLAS: You mean in terms of some retreat, like the sewer lines, things like that?

COMMISSIONER KRAM: Things like that.

EXECUTIVE DIRECTOR DOUGLAS: I am not sure we identified those. We were looking really hard for specific projects we could bring to you and identify as mitigation, but didn't come up with any.

COMMISSIONER KRAM: Okay, thank you.

VICE CHAIR BURKE: Commissioner Peters.

COMMISSIONER PETERS: Thank you, Mr. Chairman.

First, just to Mr. Potter's comment, I think he just admitted that he was on site when this thing was built. I think we should probably string him up.

COMMISSIONER POTTER: Over the course of time, I have been accused of quite a few crimes since.

COMMISSIONER PETERS: This, I agree, is probably the worst one I have ever seen, in terms of encroachment. It is really unfortunate.

And, to Commissioner Albert's comment, I, maybe, should just ask Ms. Patterson, or the attorney, this seems to me to be beyond any doubt an existing structure that gets a seawall under the Coastal Act. Do you want to comment on that?

DEPUTY ATTORNEY GENERAL PATTERSON: No.

COMMISSIONER PETERS: No?

EXECUTIVE DIRECTOR DOUGLAS: That is our conclusion, though. We don't disagree with Commissioner Albert, I mean he is philosophically right.

COMMISSIONER PETERS: Right.

EXECUTIVE DIRECTOR DOUGLAS: But, the law really does tie our hands. This is an existing structure. It predates the Coastal Act, and we have to deal with that given.

COMMISSIONER PETERS: Okay, and I guess the other comment I had, which was to Commissioner Nava's and Commissioner Kram's concerns, I would have liked to have seen a specific project that we would know we were getting, and you said you would look for that, and so I take your answer. You know, I am disappointed not to know what I get with the million bucks.

I would just state, for the record, that I agree on the hours with the staff. I think that that is a reasonable position, and also that I don't support any deferral of payment. There was some talk about financing payments over time. I want a payment of \$1 million, or the present value of \$1 million if someone wants to finance it, that is fine, but I don't think the state should bear the cost of that.

VICE CHAIR BURKE: Does that conclude your remarks?

COMMISSIONER PETERS: Yes.

VICE CHAIR BURKE: Then, we move to Commissioner Kruer.

COMMISSIONER KRUEER: Just a brief one.

It is from comments, I think Commissioner Potter said earlier, it really would, if you look at retreat, would be very difficult to tear out these units, and reconstruct them. It wouldn't be economically feasible. I agree with him on that. And, I just was looking at it. It would be a very difficult thing.

I guess I am very perplexed by this, because I know the law, and we have to do something, and I agree with staff, et cetera, but, right now, even with the proposed budget of the fix, et cetera, it is less than \$50,000 a unit on condominiums, or town homes, et cetera, that whatever they average, it is -- less than \$50,000 grand is like a brokerage fee, and that includes all of the improvements, and everything else. And, if I lived there, I certainly wouldn't have a problem supporting something like that.

And, what I am suggesting is that -- and I understand how staff got to it, but I just don't know, I am still not convinced where \$1 million gets you, especially, you know, I would rather, personally, do it the way staff is talking about, but it is such a small amount of money, and such a complex problem like this, it just seems to me, if I lived there I would be happy to pay a little more, and really think that I did something, and tried to solve something, because \$1 million for this kind of problem is a real problem.

VICE CHAIR BURKE: Commissioner Iseman.

COMMISSIONER ISEMAN: Thank you, Mr. Chairman, and I have been listening earnestly to a great deal that has been said, because this is kind of the poster child for the Coastal Act, but we are here with a need, according to the law, to make this building safe.

So, I am concerned, however, with the question of what to do with the \$1 million, because you are right a million dollars gets you almost nothing, particularly, in a sewer line, you know, that happens and it is gone.

I am agreeing with Commissioner Potter, because \$1 million, placed appropriately for research, has a nexus that would mean that we are going to understand more about protecting existing structures, maybe with something that isn't as damaging as our current design of a seawall. There is a lot that we don't know.

And, I did want to weigh in on the hours. As someone who occasionally watches the sunrise, 6:00 a.m. is not early enough, so I was thinking maybe dawn to dusk, and that could be a half an hour before sunrise and a half an hour after sunset. To impose lighting in the area for safety reasons, can take away from people's experience of the evening, and so that is why I would suggest that rather than the 6:00 a.m. to 10:00 p.m.

VICE CHAIR BURKE: Recognizing -- well, I am going to make a comment before I take a motion.

I am, like Commissioner Krueer and Commissioner Nava and Commissioner Albert, I am troubled by a great portion of this, but more specifically, I just think that I can't support anything that has \$1 million in it. I will not be voting for anything that has \$1 million in it. I will not be voting for anything that limits the hours, less than we have used locations such as San Diego for beach access. I would not vote for anything that had \$10 million in it that had a study. That is not -- I don't think that is what we need here.

So, you know, I know the structure is there, and I am kind of with Commissioner Albert is, you know, I wish we could figure out a way to let the nature win this one, but I know we can't do that, because it is people's homes.

But, I am with Commissioner Krueer on the fact that I can't figure out how they got \$1 million. I know they have their formula, but in my life I have never had the opportunity -- as Mark Massara said, this is buying public land here. If it was going the other way, if we were taking this land, we would be in court 100 years.

So, I just can't support any of those items in this motion.

Now, that being said, is there a motion?

COMMISSIONER POTTER: There could be.

VICE CHAIR BURKE: Okay.

[MOTION]

COMMISSIONER POTTER: Certainly, there will be a motion, but the outcome, I cannot predict.

I move the Commission approve Coastal Development Permit No. 3-02-024 pursuant to the staff recommendation. I recommend a "Yes" vote, and if I get a "second" I am willing to offer some amendments, and we can vote those up or down.

COMMISSIONER NEELY: Second.

[MOTION]

COMMISSIONER POTTER: Okay, motion and a second?

COMMISSIONER NEELY: I seconded it.

COMMISSIONER POTTER: With the amendments, under Special Condition No. 3, specific to the hours, the beach would remain open, I would move amend 6:00 a.m. until 10:00 p.m. to from dusk until dawn. If I get a "second" on that, I would speak briefly.

COMMISSIONER ISEMAN: Second.

COMMISSIONER NEELY: You mean dawn to dusk.

COMMISSIONER POTTER: Dawn to dusk, dusk to dawn, it depends on --

[General discussion]

Meaning, not being at the beach at night.

COMMISSIONER ALBERT: This is vampire park, not the hours you keep, Commissioner.

COMMISSIONER POTTER: And, I do that very specifically because sunrise to sunset changes every day, it is never at the same time, so this certainly gets you there during prime time, and there are still 365 days a year.

And, I think the other public access components provided are significant enough to say that that would be a more appropriate time frame.

VICE CHAIR BURKE: Would the "second" to the motion like to speak to the motion?

COMMISSIONER ISEMAN: That was my suggestion, so I am delighted. I do believe that to not be able to enjoy the sunrise by just saying a rigid 6:00 a.m. takes away from public enjoyment.

VICE CHAIR BURKE: Will you please call the roll -- well, before I do that, is there any other comments on dusk to dawn, dawn to dusk?

COMMISSIONER KRUEER: Just one question for the motion, and that is going per staff, and the million dollars for their --

VICE CHAIR BURKE: No, no, no, this is just on the amending --

COMMISSIONER POTTER: I am only on Special Condition 3 at the moment.
That is the next item.

VICE CHAIR BURKE: This is dusk to dawn.

EXECUTIVE DIRECTOR DOUGLAS: Mr. Chairman, we could incorporate that change into the staff recommendation, because I think it makes sense.

VICE CHAIR BURKE: People want to vote on it.

EXECUTIVE DIRECTOR DOUGLAS: Okay, fine.

VICE CHAIR BURKE: We appreciate your offer.

Call the roll.

SECRETARY GOEHLER: Commissioner Caldwell?

COMMISSIONER CALDWELL: Aye.

SECRETARY GOEHLER: Commissioner Iseman?

COMMISSIONER ISEMAN: Yes.

SECRETARY GOEHLER: Commissioner Kram?

[Absent]

Commissioner Kruer?

COMMISSIONER KRUER: Yes.

SECRETARY GOEHLER: Commissioner Nava?

COMMISSIONER NAVA: No.

SECRETARY GOEHLER: Commissioner Neely?

COMMISSIONER NEELY: Yes.

SECRETARY GOEHLER: Commissioner Peters?

COMMISSIONER PETERS: No.

SECRETARY GOEHLER: Commissioner Potter?

COMMISSIONER POTTER: Aye.

SECRETARY GOEHLER: Commissioner Rose?

COMMISSIONER ROSE: No.

SECRETARY GOEHLER: Commissioner Albert?

COMMISSIONER ALBERT: Nay.

SECRETARY GOEHLER: Chairman Burke?

VICE CHAIR BURKE: No.

SECRETARY GOEHLER: Five, five.

VICE CHAIR BURKE: That motion fails.

COMMISSIONER POTTER: Okay.

COMMISSIONER ROSE: Mr. Chairman.

VICE CHAIR BURKE: Yes.

COMMISSIONER ROSE: I would like to say goodbye to the Commissioners. I have to leave for the airport right now. I wasn't even going to be here this morning, and I had hoped to get through this issue, and I am sorry.

VICE CHAIR BURKE: We appreciate your coming, thank you, so much, and have a safe journey home.

COMMISSIONER POTTER: It is too bad you didn't leave a little sooner.

VICE CHAIR BURKE: That is horrible, but he is a friend of mine, so I have got to cover for him.

Do you have any other amending motions.

[MOTION]

COMMISSIONER POTTER: I have, but I am just waiting for her to leave the crime scene.

Okay, under Special Condition No. 4 mitigation fee, I would leave the fee intact. I would go ahead and remove the reference to the Monterey Peninsula Regional Parks District as the keeper of the money, and instead substitute that we direct staff to work cooperatively with the Monterey Bay National Marine Sanctuary, Monterey Bay Cities and creative homeowners like the Ocean Harbor House, to achieve real beach preservation over the long term, looking towards a regional strategy for addressing this problem.

COMMISSIONER ISEMAN: Second.

COMMISSIONER POTTER: Again, I go to two things.

One is, I cannot make the nexus between using the fee money for the purchase of private property for public use. I am a huge supporter of the Regional Parks District -- and this is not going to make them happy should it pass -- but, it does nothing to deal with the issue of coastal erosion. It is an acquisition process that will go ahead and probably become a victim of coastal erosion, itself.

And, I think we have got an opportunity -- and I couldn't agree with Pat Krueger more. I know that academia likes to spend an eternity in study. I have been in government for 18-plus years now, and I have seen too many studies shelved, and I am not a fan of that.

I believe that we have, in this area, more marine science resource than pretty much anywhere else on the west coast, and I think that those people are anxious to come out and have a more global discussion about this, and I think it is our responsibility to help lead in that effort.

We can sit around and discuss this issue on a case-by-case basis, but that is what is going to happen, and then we are going to be subject to listening to, you know, different members of the geological and hydrological world for a course of time with no professional input other than the consultants that have been hired.

And, I think we can go ahead -- I know we can use these resources that are available now, at a significant savings, and take this money -- and if you want to set bench marks for performance, I don't have a problem with that. I don't know if we would get there today, doing that, but I think we could sort of direct staff to say we are going to look for specific performances in this area over certain fixed periods of time. I just want to get there with that, and that is why I say to direct staff.

VICE CHAIR BURKE: I would like to call on our resident academic, Commissioner Caldwell.

COMMISSIONER CALDWELL: Yes, I just wanted to speak to that motion.

My conclusion is directly opposite. I really think that this proposal further, actually, distances us, and exacerbates a nexus issue, and actually weakens nexus, if it doesn't totally eliminate it. I mean, the whole purpose is to mitigate for the loss of public access to the coastal resource, that is the point here, and staff has told us that they propose to use that money to, actually, in the hope that land, coastal land will be purchased, or certain additional benefits will be placed on public land that actually enhance the coastal experience for the public.

So, to me, that is a direct nexus there, for what we are losing. To put it into a planning process, actually completely obliterates a nexus, from my standpoint.

VICE CHAIR BURKE: I am sorry, did we get a "second" for your motion?

COMMISSIONER POTTER: Yep.

VICE CHAIR BURKE: Okay, is there anyone else who would like to speak to this motion?

[No Response]

Would you please call the roll.

SECRETARY GOEHLER: Commissioner Iseman?

COMMISSIONER ISEMAN: Yes.

SECRETARY GOEHLER: Commissioner Kram?

[Absent]

Commissioner Kruer?

COMMISSIONER KRUER: No.

SECRETARY GOEHLER: Commissioner Nava?

COMMISSIONER NAVA: No.

SECRETARY GOEHLER: Commissioner Neely?

COMMISSIONER NEELY: Yes.

SECRETARY GOEHLER: Commissioner Peters?

COMMISSIONER PETERS: No.

SECRETARY GOEHLER: Commissioner Potter?

COMMISSIONER POTTER: Aye.

SECRETARY GOEHLER: Commissioner Albert?

COMMISSIONER ALBERT: No.

SECRETARY GOEHLER: Commissioner Caldwell?

COMMISSIONER CALDWELL: No.

SECRETARY GOEHLER: Chairman Burke?

VICE CHAIR BURKE: No.

SECRETARY GOEHLER: Three, six.

VICE CHAIR BURKE: That motion fails.

Let's try again.

COMMISSIONER POTTER: I have no amending motions?

VICE CHAIR BURKE: Have you got anything else in the packet?

COMMISSIONER POTTER: I already made the main motion.

VICE CHAIR BURKE: Okay.

Recognizing Commissioner Nava.

[MOTION]

COMMISSIONER NAVA: Thank you.

I am going to make an amending motion that we modify the amount in mitigation to \$5 million, so that it is more consistent with the actual value that I believe that we are losing. And, if I were to make the amending motion to what I think we are looking at, in terms of the projection by the staff, it would be \$10 million.

But, my amending motion, should I get a "second" is that the mitigation amount be \$5 million.

COMMISSIONER KRUER: I'll second it.

VICE CHAIR BURKE: We have a motion, and a second.

Would you like to speak to your motion?

COMMISSIONER NAVA: Well, it is just what I said before. I think that, characteristically, what we do here is we apply sort of public value standards to private values when we are dealing with coastal land.

Quite frankly, you take a look at the cost of an acre of land -- and the point was made, that if the situation were turned around, and we were taking private property, it wouldn't be \$1 million, it would be substantially more.

And, I think, if we are going to proceed down this path, and put the money in with the regional -- not with the regional entity, but with the Regional Parks that is in the position then to negotiate and to buy land to replace that which we are going to lose, \$5 million will be of more benefit than \$1 million.

VICE CHAIR BURKE: Is there anyone else who would like to speak to this motion?

Commissioner Iseman.

COMMISSIONER ISEMAN: I come from a community where houses run about \$1000 a square foot today, and there are a lot of people that live in that community that couldn't live there today, so the assumption is that anyone who is living there, that \$5 million, you know, divided by such-and- such, prorated over a period of time, would not be a painful experience, and I think it could trigger the inability for people to live there.

I think that, you know, we are losing track of the fact that we are not beating up rich people, we are beating up people who happen to have chosen,

maybe -- how many years ago -- to live there, and I can't go along with that kind of thought.

COMMISSIONER KRUER: Mr. Chairman.

VICE CHAIR BURKE: Recognize -- oh, staff wanted to speak, and then we are going to Commissioner Kruer.

DISTRICT DIRECTOR LESTER: Just a clarification on the discussion.

On page 38, there is the concluding paragraph of the economic analysis that is currently at issue, and our analysis, under that methodology, was that the cumulative fee, over time, and it was calculated on an annual basis, since you would be losing an increment of beach every year, the cumulative fee over 50 years, would be \$5.3 million.

But, if you had that fee paid up front, the present value of that fee would be something less than that. We haven't calculated the present value, which you would need to assume some inflation rate over that period, but the total was \$5.3 million.

EXECUTIVE DIRECTOR DOUGLAS: I think, for the record, the important part there is that we have done an analysis of that loss could be calculated based on this approach, which would get you to the \$5 million.

VICE CHAIR BURKE: Well, so, are you saying --

COMMISSIONER NAVA: Through the Chair, what I --

VICE CHAIR BURKE: Excuse me.

Are you saying that the million dollars represents \$5 million?

EXECUTIVE DIRECTOR DOUGLAS: No, no we --

VICE CHAIR BURKE: Okay, fine --

EXECUTIVE DIRECTOR DOUGLAS: -- are saying --

VICE CHAIR BURKE: -- I just wanted to --

EXECUTIVE DIRECTOR DOUGLAS: -- that was different --

VICE CHAIR BURKE: Thank you, very much, that's all.

COMMISSIONER NAVA: What I would like to do, to make it consistent, amend the language, based on the analysis that it is \$5.3 million, so it is consistent with the staff report.

COMMISSIONER POTTER: Lump sum payment, or amortized?

COMMISSIONER NAVA: My motion is for \$5.3 million. I'll let you work out the details.

VICE CHAIR BURKE: Great, you could, obviously, finance that.

COMMISSIONER KRUER: Yes.

VICE CHAIR BURKE: Commissioner Kruer, I am sorry.

COMMISSIONER KRUER: Mr. Chairman, I really think, as the seconder of that motion, that Commissioner Nava is right, and he is right because regardless if I bought there 20 years ago, or 10 years ago, or 5 years ago, if I bought that many years ago, my property tax would be so low, and I would have a lot of other benefits.

But, that project, basically, because it was poor planning, this project should be used as a poster card of anyone who wants to argue about setbacks from the ocean, et cetera. We should show it to applicants in the future.

But, we are stuck with the problem today, and this is like a point resort now, because once you put this armor thing around it, et cetera. And, believe me, when you are talking about \$5 million, or \$4 million, and you look at that and compared to the value of these units, or what they are today, and in the future, or anything, it is a small percentage. It is not going to break anybody's back. And, if anything, they appreciate, I am sure in the last two or three years, many times what we are talking about, the mitigation fee, that each one of these homeowners, and that is great, because that is property rights, et cetera.

But, on the other hand, we are stuck with a problem that this place should never have been built this far out, and I just -- the more and more I look at

this, a million dollars is going to get you nada, nothing. And, whether you put it in regional planning, or you buy some little parcel down the road, et cetera. And, I support Commissioner Nava.

VICE CHAIR BURKE: Any further comment on this motion?

COMMISSIONER PETERS: Mr. Chairman, I want to support the motion, too.

I do believe, frankly, that after today, the value of these homes will appreciate even more, because they will have the security of having this wall.

But, I do think you ought to give the applicant the chance to respond, if they wish to.

VICE CHAIR BURKE: I would be glad to do that.

MR. LARSEN: Thank you, we appreciate the opportunity.

There is a lot of it that is not being said about the GHAD approach --

EXECUTIVE DIRECTOR DOUGLAS: Excuse me, your name for the record.

MR. LARSEN: Oh, I am sorry.

VICE CHAIR BURKE: Your name, and you have two minutes.

MR. LARSEN: Dave Larsen, I represent Ocean Harbor House.

There is a lot that is not being said about the GHAD approach. The GHAD is able to sell bonds to spread payment over time. In the case of our little GHAD, we are putting up \$5 million worth of municipal bonds. We are paying back the amount of indebtedness over 40 years. You can leverage money in that fashion.

With a huge GHAD, you start with a million, you leverage to \$5 or \$10 million. If need be, you go for grants, and over a period of 40 or 50 years, you have an incredible financing mechanism.

As far as the planned retreat, the only way that that can be done in a fair and legal way is to study the planned retreat part of it. That can be done also, as part of this overall approach. And, we talked to staff about the fact that the GHAD would not only look at sand nourishment as a possibility, but also planned retreat. But, it would be a planned retreat that would take into account that people have rights, that it would happen over time, and so on, and that would be part of the study, what this GHAD approach would do.

And, lastly, I fundamentally disagree with an ocean that there is a nexus between buying -- the problem that exists immediately, and buying sand or property elsewhere, I am an old city attorney, and if you were to tell a subdivider that he is going to affect the traffic flow at one intersection with a subdivision, and you decided that you would buy an intersection across town, and say that is the equivalent, because here this went from LOS C to D, or F, so if we improve this intersection, there is a nexus. This is just not the case, and we couldn't agree with Commission Potter more vigorously on that point.

VICE CHAIR BURKE: Thank you, very much. They still have time.

MR. CARNEY: Mr. Chairman, there are a couple of items that I would like to present to the Commission, that I didn't mention earlier.

Of these units, the 172 condominiums, 22 are low income units. They are owned by the City of Monterey. They are units that are sold to low income people. When they are resold back to the market, they don't get market rates. They can only have a very small increment where they can sell the units. So, those people would be dramatically hurt in this process.

Also --

VICE CHAIR BURKE: Your time is up, and we will take that under consideration.

MR. CARNEY: Thank you, very much.

COMMISSIONER PETERS: I need an answer.

VICE CHAIR BURKE: Yes.

COMMISSIONER PETERS: I can use it as part of -- I can give it as a question.

And, what was the other point?

VICE CHAIR BURKE: Commissioner Peters would like you to continue.

MR. CARNEY: The other thing is that most of the units there are very small units, and you can actually go buy a unit now for about \$350,000, which is hard to believe, because there is nothing in Monterey County, or Santa Cruz County under \$600,000. And, these units are around 700-square feet, on the average.

Now, the units that sit right on the beach, yes, they are expensive, \$900,000, and probably will go up in value if the seawall is approved.

COMMISSIONER PETERS: Thank you.

MR. CARNEY: But, you have to look at the total community that exists here.

VICE CHAIR BURKE: Commissioner Caldwell.

MR. CARNEY: Five million could break the project, that is what I am trying to say.

VICE CHAIR BURKE: Commissioner Caldwell.

COMMISSIONER CALDWELL: Yes, I just wanted to speak to the motion.

It is clear to me, from the Coastal Act, and from constitutional law, that the enhanced value of the property, given the seawall, has nothing to do with our decision today, nor does the existence or nonexistence of affordable units within this development.

The point is that we are mitigating for the loss of a public resource, and that staff has taken the time to develop an individualized detailed analysis of the value of that lost public resource, and we are reflecting that in our mitigation fee here, today.

VICE CHAIR BURKE: Thank you, very much.

Are there any -- we have one other comment by Commissioner Albert.

COMMISSIONER ALBERT: Just once again.

I think it was very well put, about private taking of public land, in a sense, and vigorously urge staff and the Commission to continue any possible approach to planned retreat.

VICE CHAIR BURKE: Thank you, very much.

Can you please call the roll.

SECRETARY GOEHLER: Commissioner Kruer?

COMMISSIONER KRUER: Yes.

SECRETARY GOEHLER: Commissioner Nava?

COMMISSIONER NAVA: Yes.

SECRETARY GOEHLER: Commissioner Neely?

COMMISSIONER NEELY: No.

SECRETARY GOEHLER: Commissioner Peters?

COMMISSIONER PETERS: Yes.

SECRETARY GOEHLER: Commissioner Potter?

COMMISSIONER POTTER: No.

SECRETARY GOEHLER: Commissioner Albert?

COMMISSIONER ALBERT: No.

SECRETARY GOEHLER: Commissioner Caldwell?

COMMISSIONER CALDWELL: Yes.

SECRETARY GOEHLER: Commissioner Iseman?

COMMISSIONER ISEMAN: No.

SECRETARY GOEHLER: Excuse me?

VICE CHAIR BURKE: She couldn't hear you.

COMMISSIONER ISEMAN: No.

SECRETARY GOEHLER: Chairman Burke?

VICE CHAIR BURKE: Yes.

EXECUTIVE DIRECTOR DOUGLAS: Excuse me, before you announce. This is on the amending motion only?

VICE CHAIR BURKE: Yes.

EXECUTIVE DIRECTOR DOUGLAS: Okay, not the main motion.

VICE CHAIR BURKE: Yes.

SECRETARY GOEHLER: Five, four.
VICE CHAIR BURKE: Motion passes.
Now, on the main motion, call the roll.
SECRETARY GOEHLER: Commissioner Nava?
COMMISSIONER NAVA: Yes.
SECRETARY GOEHLER: Commissioner Neely?
COMMISSIONER NEELY: Yes.
SECRETARY GOEHLER: Commissioner Peters?
COMMISSIONER PETERS: Yes.
SECRETARY GOEHLER: Commissioner Potter?
COMMISSIONER POTTER: Aye.
SECRETARY GOEHLER: Commissioner Rose.

[Absent]

Commissioner Albert?
COMMISSIONER ALBERT: No.
SECRETARY GOEHLER: Commissioner Caldwell?
COMMISSIONER CALDWELL: Yes.
SECRETARY GOEHLER: Commissioner Iseman?
COMMISSIONER ISEMAN: Yes.
SECRETARY GOEHLER: Commissioner Kruer?
COMMISSIONER KRUER: Yes.
SECRETARY GOEHLER: Chairman Burke?
VICE CHAIR BURKE: Yes.
SECRETARY GOEHLER: Eight, one.
VICE CHAIR BURKE: The motion passes.

*

*

[Whereupon the hearing concluded at 12.15 p.m.]

CALIFORNIA COASTAL COMMISSION

CENTRAL COAST DISTRICT OFFICE
725 FRONT STREET, SUITE 300
SANTA CRUZ, CA 95060
(831) 427-4863



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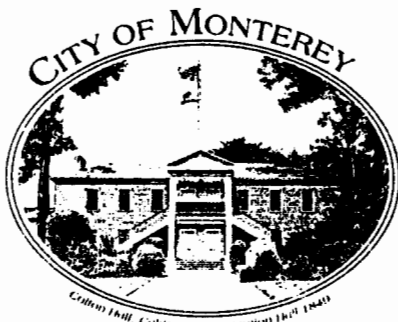
December 16, 2004 (for January 13, 2005 Hearing)**To:** Coastal Commissioners and Interested Persons**From:** Charles Lester, Deputy Director
Diane Landry, District Manager
Susan Craig, Coastal Planner**Subject: Staff Report Addendum for Ocean Harbor House Seawall (3-02-024)**

The Commission approved the proposed Ocean Harbor House seawall project on October 14, 2004, subject to revised findings. In the interim since that approval, Commission staff has received additional correspondence on this item that was inadvertently not included in the revised findings staff report dated December 16, 2004. This correspondence is attached to this addendum.



California Coastal Commission
January 2005 Meeting in Long Beach

Staff: S.Craig Approved by: 



Agenda Item No. 9a
Mayor Dan Albert
City of Monterey

October 7, 2004

Mayor:
DAN ALBERT

Councilmembers:
THERESA CANEPA
CHUCK DELLA SALA
CLYDE ROBERSON
DICK VREELAND

City Manager:
FRED MEURER

Mr. Mike Reilly, Chairman
California Coastal Commission
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219

RECEIVED

OCT 12 2004

CALIFORNIA
COASTAL COMMISSION
CENTRAL COAST AREA

Re: Ocean Harbor House Monterey, Seawall Mitigation item
Application No. 3-02-24 on Coastal Commission's October 14, 2004 agenda

Dear Mr. Reilly:

The City Council of the City of Monterey unanimously opposes the Coastal Commission staff proposed Condition of Approval No. 4 Mitigation Fee on the homeowners of Ocean Harbor House. We question the imposition of the \$1,000,000 fee as it is based on Coastal staff assertions that the proposed seawall will result in the loss of 1 acre of beach and that nothing will fully mitigate the beach loss. Coastal staff then specifies that the fee shall be used for replacement of the beach by acquiring and constructing improvements to the California Coastal Trail. We would point out that 1) constructing coastal trails does not preserve beaches and 2) the trail has already been constructed across the adjacent State Parks property, indeed through the entire City of Monterey. As a result, any trail acquisition and development will be some distance from the project site and the beach that may be lost. The nexus of this mitigation is tenuous at best.

What is particularly troubling about the staff recommendation is their treatment of the applicants' proposed region-wide Geologic Hazard Abatement District (GHAD) which could provide the organization, funding and impetus to address the beach erosion issue in the area. Beach erosion is a regional issue. Our concern is that the Coastal staff is addressing the naturally occurring erosion problem on a project by project basis, extracting exorbitant amounts of money from individuals, then using the funds to do something other than addressing the beach erosion issue.

We request that the California Coastal Commission, which is charged with protecting Monterey Bay's beaches, direct their staff to work cooperatively with the Monterey Bay National Marine Sanctuary, Monterey Bay cities and creative homeowners like the Ocean Harbor House to achieve real beach preservation over the long term. Extracting \$1,000,000 from the Ocean Harbor House homeowners to buy and build a recreation trail in some other location will do nothing to preserve Monterey Bay beaches, and is a shortsighted, expedient and irrelevant mitigation. We need the Commission's leadership in developing a

Mike Reilly, Chairman
October 7, 2004
Page 2 of 2

regional strategy for addressing this problem, that is not going to go away. We look forward to working with you on this issue.

Sincerely,



Daniel Albert
Mayor

- c: City Council
- The Honorable Sam Farr, California 17th District, 100 West Alisal Street,
Salinas, CA 93901
- The Honorable John Laird, 27th District, State Assembly, 99 Pacific Street,
Suite 555-D, Monterey, CA 93940
- The Honorable Dave Potter, Monterey County Board of Supervisors, 1200
Aguajito Road, Suite 001, Monterey, CA 93940
- Ocean Harbor House Homeowners Association, President Nicole Cartier, 125
Surf Way #445, Monterey, CA 93940

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OCT 13 2004

CALIFORNIA
COASTAL COMMISSION
CENTRAL COAST AREA

Permit No. Th9A
Application No. 3-02-024
Rina W. Eding
In Favor of the project

October 7, 2004

125 Surf Way, #314
Monterey, CA 93940-3455

California Coastal Commission
Central Coast District Office
725 Front Street, Suite 300
Santa Cruz, CA 95060-4538

RE: Permit # 3-02-024 Ocean Harbor House Homeowners Association.

Dear Coastal Commissioners,

My husband and I live in the Ocean Harbor House condominiums. The erosion of the beach in front of the Ocean Harbor House condominium complex has been an ongoing concern to us and our neighbors. We have followed the progress of our Board of Directors in association with the engineers, coastal experts, consultants and attorneys as they have worked with the City of Monterey, California State Parks and the California Coastal Commission representatives and others to find a long term solution to the coastal bluff erosion that is threatening our homes. The Ocean Harbor House seawall proposal is the best long term solution to protect our homes.

In addition to protecting our homes, the following public objectives are also met:

1. compliance with the Conditions of Approval required for the temporary rock revetment permits granted by the City of Monterey and the California Coastal Commission,
2. protection for the City's storm and sewer lines located near the site,
3. prevention of the loss of City-owned affordable housing units,
4. protection of the Monterey Bay National Marine Sanctuary

I encourage you to approve the Ocean Harbor House seawall project.

Sincerely yours,



Rina W. Eding



monterey peninsula regional park district

60 Garden Court, Suite 325 • Monterey, California 93940-5341

10/8/04

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OCT 15 2004

CALIFORNIA
COASTAL COMMISSION
CENTRAL COAST AREA

BOARD OF DIRECTORS

Jennifer Lagler - Ward 1

pcmc@lpc.org
Marina, northern Ft. Ord

Ben Post - Ward 2

ben@post-tech.net
Seaside, Sand City

Don Edgren - Ward 3

Monterey, Del Rey Oaks,
southern Ft. Ord

Mary Dainton - Ward 4

marydainton@juno.com
Pacific Grove, New Monterey
northern Pebble Beach

John Dalessio - Ward 5

dalessio@mbay.net
Carmel, Carmel Valley, Big
Sur, southern Pebble Beach

General Manager

Joseph D. Donofrio
donofrio@mprpd.org

Ms. Susan Craig
Coastal Project Planner
California Coastal Commission
725 Front Street, #300
Santa Cruz, California 95060

Re: Ocean Harbor House Sea Wall Mitigation

Dear Susan:

The Park District is a special district subdivision of the State of California under Public Resources Code 5500 et seq. The Park District was created by voter initiative in 1972 with the mission and purpose to acquire and protect open space and open space resources for public use and enjoyment. Geographically, the District serves the 150,000 residents of Monterey County's Greater Monterey Peninsula, Carmel Valley, Cachagua, Del Monte Forest, and Big Sur communities.

The Park District is willing to accept the proposed mitigation fee as outlined in *Special Condition 4* of the staff report for the purposes outlined therein. The Park District will deposit the said sum into an interest bearing account.

Sincerely,

TIM JENSEN
Special Projects & Planning Manager

ATTORNEYS AT LAW

October 12, 2004

Peter Douglas, Executive Director
California Coastal Commission
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219

Re: Ocean Harbor House Seawall

Dear Mr. Douglas:

Let me begin by thanking your staff for the many hours of work they have put in on Ocean Harbor House's seawall application. We very much appreciate staff's recommendation that the Coastal Commission approve this project.

As you know, part of my job as the attorney is to exhaust the administrative remedies in order to preserve and protect my client's legal interests. That is not to say we intend to file a legal challenge. It is merely to preserve our right to do so if we conclude we have no other choice. We are asking that this letter be formally made a part of the Coastal Commission record for this application.

The primary focus of our legal concern is the \$1,000,000 in lieu fee that is being required. We also have several lesser concerns.

\$1,000,000 In Lieu Fee

Fundamentally, the question is whether the law allows you to exact an in lieu fee in the amount of \$1,000,000 on the basis that the seawall will preclude continuing sand replenishment from inland bluffs and sandy areas behind the seawall or whether this exaction constitutes a "taking" which requires just compensation.

Exactions such as this are correctly analyzed under the tests contained in the cases of *Nollan v. California Coastal Commission* and *Dolan v. City of Tigard*. They are not subject to the "regulatory takings" test in *Lucas v. South Carolina Coastal Council*. Accordingly, we will discuss why this in lieu fee fails the tests in *Nollan* and *Dolan*.

First, however, I want to analyze a broader underlying consideration in determining whether this in lieu fee constitutes a taking under our particular circumstances. In *Penn Central Transportation Co. v. New York City*, the Court states it is unable to develop a "set formula" for determining when "justice and fairness" require that economic injuries caused by public action be compensated by the government, rather than remain disproportionately concentrated on a few people.

In our case, the members of Ocean Harbor House [OHH] are facing hefty assessments in order to finance construction of a seawall needed because the original developer failed to adequately support building foundations through no fault of their own.

The Coastal Act provides that owners of "existing structures" (e.g. structures that pre-date the Coastal Act) are entitled to seawalls, revetments, and so on, when those are necessary to protect those structures from imminent harm or danger, as long as sand loss mitigation occurs.

OHH does pre-date the Coastal Act. Further, it is being required to engage in sand loss mitigation, including the provision of lateral public access through and across the entire length of its property, in order to address beach access problems that may eventually occur. Other mitigation measures that are typically imposed on other applicants are also required of OHH.

Recognizing that the beach in front of OHH may eventually disappear due to the continuing rise in sea level due to global warming, OHH has suggested that it be required to establish a regional approach to addressing sand nourishment which may involve a jetty out in the marine sanctuary. This effort would involve multiple agencies, but would have the only chance of adequately addressing beach erosion issues caused by both the rising sea level and the sand loss caused by the seawall project. In fact, it could result in restoration of the Del Monte Beach to the extent that the proposed seawall would be under the sand.

Coastal Commission staff has declined to recommend that OHH be required to initiate this effort. Instead, it proposed that OHH be required (in addition to all of the other conditions which have typically been considered adequate mitigation measures) to pay a \$1,000,000 in lieu fee to be used to purchase beachfront property elsewhere. It is interesting that the seawall applicant immediately north of OHH whose project was recently approved was not required to pay a similar in lieu fee (which we believe violates OHH's due process and equal protection rights).

I submit that under these circumstances, where there is no local sand replenishment program in place, where Coastal Commission staff concede that requiring OHH alone to

replenish sand will not solve the problem, where the rising sea level together with sand loss due to the seawall will result in the need for a regional rather than a project-by-project approach, and where the applicant is willing to initiate that regional effort, that to require the applicant in addition to all of the other conditions of approval to pay \$1,000,000 into a fund to purchase beachfront property elsewhere, disproportionately concentrates the responsibility for buying public beachfront property elsewhere on the backs of a few private citizens. As a result, the in lieu fee constitutes a "taking" of property which requires just compensation.

In a similar vein, if the inland bluffs and sandy areas were on public lands it would be easier to argue that there may be some justification for requiring mitigation because the seawall project would be interrupting the natural replenishment of a public beach from public land. In our case, however, the seawall is on entirely private property so the question becomes whether justification exists for requiring mitigation because we will no longer be contributing some portion of our private property (in the form of shifting sands) to replenish public beaches for public recreational purposes. There is no public trust doctrine or other legal basis that I am aware of for asserting that the public has any right to rely on our private property to replenish its public beach.

Nollan / Dolan Analysis

The *Nollan / Dolan* exaction requirement takes the form of a two-part test. A permit imposed by government: (1) must have an "essential nexus" to a legitimate state interest; and (2) be "roughly proportionate" to the projected impacts of the proposed development. See *Lucas*.

1) The in lieu fee requirement fails to meet the "nexus" requirement in *Nollan* because use of the in lieu fee to purchase beach front property elsewhere does not address the sand loss which will be caused on this beach by this project.

Note: Likewise, requiring a subdivider whose subdivision will result in the degradation of traffic flow at one intersection, to pay an "in lieu fee" to be spent for acquisition of a private intersection across town for use by the public, would not meet this "nexus" requirement.

2) The in lieu fee requirement fails to meet the "rough proportionality" requirement in *Dolan* because the purchase of beach front property elsewhere is unrelated in nature to the impact of sand loss on Del Monte Beach.

3) The in lieu fee requirement also fails to meet the "rough proportionality" requirement in *Dolan* because the purchase of a specified amount of beach front property elsewhere is unrelated in nature and extent to the loss of sand on Del Monte Beach, even if the specified amount approximates the amount of sand that may be lost over the life of the project.

4) Even using the in lieu fee to purchase property in the immediate vicinity of Del Monte Beach fails to meet the "rough proportionality" requirement in *Dolan* because merely purchasing more beach property does not address the sand loss impact to that portion of Del Monte Beach which will be seaward and adjacent to the seawall.

The only proposal that adequately meets the requirements of both *Nollan* and *Dolan* which the parties have discussed to date, is the regional approach offered by OHH.

Compliance with Government Code §§ 66000 and Following

Government Code §§ 66000 and following contain comprehensive requirements concerning the exaction and use of development impact fees. The \$1,000,000 in lieu fee being required of OHH fails to comply with substantive and procedural requirements of Government Code §§ 66000 and following, including the failure to identify the purpose to which the fee will be put, the failure to demonstrate a reasonable relationship between the fee and the purpose for which it is charged, the failure to identify all sources and amounts of funding anticipated to be used to finance the incomplete improvements and the failure to designate the approximate dates on which the above funding is expected to be deposited into the appropriate account or fund.

Other Legal Issues

In addition to the above discussion of the in lieu fee, applicants are concerned about the requirements that they place the entire \$1,000,000 in a fund controlled by others, and that they waive their right to protest any aspect of the recommended approval, as pre-requisites to permit issuance. We believe this violates OHH's due process rights and impermissibly alters the otherwise applicable statutes of limitation.

OHH is also concerned that the "paper" subdivision process involved in converting apartments to condominiums not be interpreted as affecting OHH's status as a pre-existing development for purposes of application of the Coastal Act or otherwise.

Peter Douglas, Executive Director

California Coastal Commission

October 12, 2004

Page 5

Finally, we do not believe there is any legal authority for the suggestion that OHH be required to obtain further Coastal Commission approval if the seawall remains in place for more than 50 years.

On a related note, we do not believe there is any authority for suggesting that routine maintenance requires additional permits.

I appreciate the opportunity of submitting this letter on behalf of my clients. I can be reached with questions or concerns at 925/838-2090.

Very truly yours,

BERDING & WEIL LLP

David J. Larsen
dlarsen@berding-weil.com

DJL:dr

cc: Board of Directors
Kurt Shenefiel
Bud Carney
Les Strnad
Susan McCabe

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BERDING & WEIL LLP

ATTORNEYS AT LAW

ALAMO, CA
SACRAMENTO, CA
SAN FRANCISCO, CA
SCOTTSDALE, AZ

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CALIFORNIA
COASTAL COMMISSION
CENTRAL COAST AREA

November 1, 2004

VIA REGULAR MAIL AND FACSIMILE 415/904-5400

Charles Lester, Deputy Director
California Coastal Commission
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219

Re: Ocean Harbor House Seawall / Condition #4

Dear Charles:

The OHH Board of Directors has asked me to write this letter. We are obviously weighing legal options in light of Condition #4. In doing so, we have run into a procedural problem.

Section 30801 of the Coastal Act gives us up to 60 days "after the decision or action has become final." I have not found an applicable definition of "final" in this context either in the Coastal Act or the California Code of Regulations. We are being told that the 60 days began to run upon the Coastal Commission's vote on October 14, 2004, not upon its adoption of modified findings (which has yet to occur).

Coastal Commission staff's modified "findings" will not be agendized until December or January according to your staff. Assuming the 60 day statute of limitations began running on October 14, 2004, we must draft and file our writ of mandate by mid-December.

We understand that these findings will both explain the payment terms so that OHH will know exactly what its members are expected to pay, and explain the rationale for the \$5.3 million amount.

I am sure you can appreciate that both the Coastal Commission's and OHH's interests will be better served if the Board understands the payment terms before it is required to file a legal action. It will also be necessary for the attorneys to know what the purported rationale is for the \$5.3 million dollar amount and how that rationale is supposedly supported by substantial evidence in the record, in order to draft the writ of mandate.

Charles Lester, Deputy Director
California Coastal Commission
November 1, 2004
Page 2

So, we are requesting that Coastal Commission staff confirm that no final action will occur until the Coastal Commission takes a vote on the proposed modified findings or until it agrees to enter into a short tolling agreement so that OHH will have the benefit of knowing what the actual findings are (including the exact payment terms) before it is required to file suit.

I look forward to receiving your prompt reply. I trust that things are going well. You can reach me at 925/838-2090.

Very truly yours,

BERDING & WEIL LLP



David J. Larsen
dlarsen@berding-weil.com

DJL:dr
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BERDING & WEIL LLP

ATTORNEYS AT LAW

ALAMO, CA
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December 6, 2004

DEC 08 2004

California Coastal Commission
c/o Charles Lester, Deputy Director
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219

CALIFORNIA
COASTAL COMMISSION
CENTRAL COAST AREA

Re: Ocean Harbor House – Seawall Approval

Dear Commissioners and staff:

I have been asked to communicate the continuing concerns of the Ocean Harbor House Board of Directors with respect to the seawall application submitted by Ocean Harbor House.

We previously submitted a letter dated October 12, 2004 that expressed our legal concerns with respect to this application which was considered on October 14, 2004. A copy of that letter is enclosed. We again ask that it be made part of the record so that it continues to serve as part of our effort to exhaust our administrative remedies. We also request that the letter from the Monterey Mayor dated November 30, 2004 be made part of the record (copy enclosed).

The primary purpose of this letter, which we are also asking to be made a part of the record, is to identify legal issues that have arisen since we submitted our first letter.

Please be advised that the Board of Directors of Ocean Harbor House is requesting that this fee be rescinded in its entirety. The Board agrees that this fee lacks the requisite "nexus" and "rough proportionality" and that it is unfair, inappropriate and illegal, for all of the reasons stated in our previous letter dated October 12, 2004, and in the Monterey Mayor's letter dated November 30, 2004.

In addition, the Board believes that the October 14, 2004 hearing was highly irregular in several significant respects.

First, neither the motion-maker (Commissioner Nava) nor staff made the requisite individualized determination that the fee amount was warranted. Commissioner Nava alluded to a southern beach (Huntington Beach) that had an oil spill in justifying his motion, but there is no effort whatsoever to compare or contrast Del Monte Beach and Huntington Beach. The excerpt in the staff report describing the Huntington Beach episode was merely illustrative. There was

no serious effort to justify the \$5 million dollar amount (which was not even being recommended).

Recognizing this, Commission staff swiftly reminded Commissioner Nava that staff had prepared an economic analysis of the estimated recreational loss of the beach which concluded that a \$5.3 million figure was warranted. However, staff was not recommending that approach, and for good reason. There was no individualized determination of the appropriateness of the underlying assumptions which support the conclusion that the fee amount is appropriate.

For example, staff openly admits that there are “. . . no specific economic studies done regarding the per-person beach expenditures in the Monterey area.” Instead of conducting those studies, staff simply opines that “[t]he \$13.00 figure [derived for Huntington Beach] is probably a reasonable estimate” and accordingly relies on that assumption for purposes of making its analysis.

Similarly, staff members state that the beaches between Wharf #2 and Sand City (including Del Monte Beach) are “functionally interrelated” in support of the assertion that the same numbers of beachgoers use Del Monte Beach as other beaches in the area. If an individualized study had been prepared, it is extremely unlikely that staff would have reached that conclusion because Del Monte beach is used much less than other beaches as evidenced by the lack of ready access and of parking. One of the Board Members at Ocean Harbor House has been taking pictures of the beach through a mounted camera on his unit, every hour, every day, for an extended period of time. These pictures reflect the truly limited use that is made of Del Monte Beach. We ask that these pictures be included in the record, and will be happy to share copies if you wish.

The lack of individualized determination of the appropriateness of the fee amount is not an insignificant or academic issue. Depending on the assumptions one relies on, the \$5.3 million figure can vary widely. Similarly, depending on the assumptions utilized to calculate the present value of the \$5.3 million, the figure can be as low as \$450,000 or as high (according to your staff) as \$2,150,054.

The Coastal Commission has the burden of justifying the fee and its amount and a reviewing court will subject that analysis to “strict scrutiny.” The Commission’s findings must also be supported by substantial evidence in the record. In this case, the fee cannot be justified, let alone its amount. Further, the record does not contain substantial evidence supporting the imposition or the amount of the fee.

Ocean Harbor House has generously offered to implement a regional approach to deal directly with the impacts of seawalls on local beaches as well as the continuing beach erosion apparently occurring due to global warming. This is much more than merely a study. It involves the creation of a decision-making governmental entity that is able to assess its members and seek both state and federal funds in order to implement concrete steps to address the problems associated with sand loss. By contrast, you propose to assess a fee which will be used to buy property elsewhere or to augment State park projects rather than address sand loss. In addition to the fee itself, Ocean Harbor House is also concerned with the following issues:

First, your staff has taken the position that the 60 days in which to file a lawsuit after "final" action by the Commission began to run on October 14, 2004 when this application was first heard. This is so even though you will not have adopted your final findings until you take action at your December meeting. As a legal matter, we believe that conduct violates our procedural due process. As a practical matter, we were required to order the preparation of a partial transcript of the proceedings and to have the Board authorize preparation of our writ of mandate before we knew what the Commission's final action would be. That's unfair, unnecessary and punitive. The two week extension which was finally agreed to was an appreciated gesture, but we were nonetheless required to begin lawsuit preparations prematurely.

Second, the majority of the Commission did not appear to give any of our thoughts or ideas serious consideration. We anticipated that our consultants would be asked questions as occurred during the City Council hearing. Instead, you refused to consider evidence that the \$5.3 million was too high, ignored Coastal staff's recommendation concerning the amount, dismissed the regional approach without inquiring enough to know what was being proposed, exhibited bias towards the applicant, cavalierly pulled the \$5 million number out of the air and decided it should be increased to \$5.3 with virtually no serious discussion. In fact, the motion-maker could not even answer the question of whether this amount was intended to be present or future value. This failure to afford Ocean Harbor House a fair hearing violates its substantive due process rights.

Third, the Commission singled out Ocean Harbor House for unfair treatment by imposing Condition No. 4 on Ocean Harbor House alone, but not on similarly-situated seawall projects recently approved or to be approved, in violation of its equal protection rights.

Fourth, Commission staff has indicated (although we may now be hearing differently) that they may rescind the previously granted twelve month extension of time in which to remove the rip rap from the beach if we exercise our right to litigate Condition No. 4. That is illegal, wrong, chilling and offensive.

California Coastal Commission
c/o Charles Lester, Deputy Director
December 6, 2004
Page 4

For all of these reasons, we are requesting that you rescind Condition No. 4 effective immediately.

On a related note, I have spoken to Charles Lester of your staff about the appropriateness (for both the Commission's and applicant's sake) of issuing the permit pending resolution of Condition No. 4 should that end up being litigated.

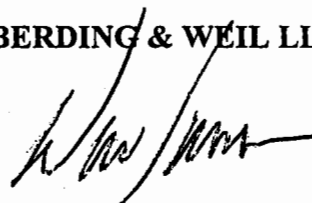
Both the Coastal Commission staff and the applicant would like to see the rip rap disappear sooner rather than later. Issuance of the permit does not need to be dependent on final resolution of the fee dispute. This may require some minor word-smithing with respect to a couple of conditions.

I trust you understand that it is my job to exhaust my client's administrative remedies by identifying legal issues we are concerned with at a time when you can discuss and resolve them if you choose, rather than simply waiting until after the hearing to litigate them in court. A failure to exhaust administrative remedies may preclude underlying issues from being litigated thereafter.

We do appreciate your approval of the seawall, although we believe that imposition of Condition No. 4 is tantamount to disapproval.

Respectfully submitted,

BERDING & WEIL LLP



David J. Larsen

DJL:drr
Enclosures
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Re: California Coastal Commission Agenda
Thursday, Dec 9, 2004
Item 15-A

FACSIMILE TRANSMISSION

TO: 831-427-4877

FOR CONSIDERATION BY THE CALIFORNIA COASTAL COMMISSION

RE: Del Monte Beach Proposed Seawall

Raising the price doesn't make it right. The Coastal Commission exists to defend the principle that our coastline is not "for sale."

We were relieved at first to hear that the Coastal Commission had raised the "price tag" for the proposed Del Monte Beach sea wall, because higher cost equals greater deterrent. But the decision does not sit well. What has money to do with the value of shoreline? Not just any shoreline, but the shoreline of the Monterey Bay National Marine Sanctuary!

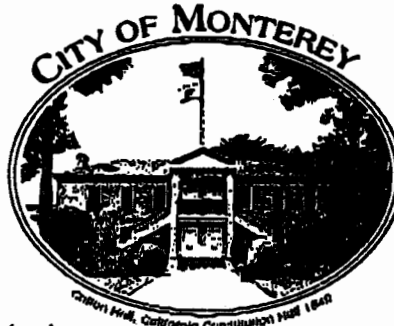
The struggle of the Ocean Harbor condominiums to fend off beach erosion with beach destruction is not in the public interest. One million dollars? Five million dollars? The beach is irreplaceable.

The beach is not the problem; the condos are. The developers and the builders were wrong; the city wrongly issued permits; the buyers bought what they ultimately could not keep. This will doubtless be true for others who choose to live at the edge of the sea. Nor is it the first time... Pacifica homeowners recently witnessed a more precipitous destruction of their homes. Insurance companies belong in these negotiations. The equities about who should pay and how much, can be established. But the commodity to be priced and moved should be condos. Condos can be sold, bought, torn down, rebuilt, replaced; a beach can't. Let the five million be spent on replacement housing for the homeowners in the front tiers of Ocean Harbor. Let them show that they truly appreciate the splendor that they attempted to purchase, by now relinquishing rather than destroying Del Monte beach.

Otherwise, the Coastal Commission should bring the full measure of its moral and actual authority to bear. Neither the proposed seawall nor the proposed "beach-swap" meet that expectation. Either we protect the heritage of our coastline, or we don't. Please reframe your discussion, accordingly.

Marty Makower, Joe Keffer
126 Spray Avenue
Monterey CA 93940
831-648-1351

Nancy Raven
136 Spray Avenue
831-649-6080



December 8, 2004

California Coastal Commission
45 Fremont Street
Suite 2000
San Francisco, CA 94105-2219

Mayor:
DAN ALBERT

Councilmembers:
THERESA CANEPA
CHUCK DELLA SALA
CLYDE ROBERSON
DICK VREELAND

City Manager:
FRED MEURER

RE: Ocean Harbor House Seawall

Dear Sirs:

The City of Monterey has consistently and repeatedly supported preservation of California's coastline within its boundaries. In fact, the City of Monterey has spent millions of dollars for coastal acquisition. However, the recent action of the California Coastal Commission with respect to application of a "fee" as a condition of implementation of the above-referenced project cannot stand without protest.

The exaction attached as a condition by the Commission is unfair, inappropriate, and we believe, unlawful. It should be rescinded.

The Ocean Harbor House was developed on private land in 1971-72. At that time, it was dozens if not hundreds of yards from the ocean runup zone. The developer dedicated a significant amount of beachfront to the City concomitant with approval of the project. It is this land that over the years has eroded with the normal erosion of the beach during winter storms. It is this erosion of adjacent lands that leads the homeowners to implement a permanent seawall to protect the undermining of their very foundation.

It should be noted that the City itself has an ownership interest in 22 of these units of inclusionary housing. We maintain control of these affordable units, and actually take ownership of them from time-to-time as units change hands in order to maintain their affordability. So, it would seem incongruous that these moderate income homes could be hit with a massive surcharge in the name of beach acquisition for recreation purposes.

It is an irrefutable fact that mother nature marches ever inland, and all of the current coastline will erode over time. It is unfortunate that some sandy areas simply are reclaimed by the ocean more quickly than other areas. We would argue respectfully that this does not mean that the Coastal Commission is free to impose beach replacement fees in every instance where erosion occurs. Legal arguments aside, it is just plain common sense that it is not the fault of adjacent owners who protect their property from the intrusion of the sea and it therefore should not fall upon their shoulders to pay a fee to replace these lands, especially since replacement lands may not be available at all, or certainly will not replace access past the property at hand. There is no nexus between the need for the seawall, and the fee to replace lands elsewhere. This doesn't make any sense.

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California Coastal Commission
December 8, 2004
Page 2 of 3

Besides, the California Coastal Commission approved alternative access; then added \$5.37 million to acquire recreation land, not replacement land.

Further, our City Attorney has opined that this exaction fails several legal tests that should be readily familiar to Coastal staff. First, there is some question whether the "development" in this case is the sort of construction that requires any regulatory fee at all. The structure will be built on private property and will impact only private lands or City lands that were donated to the City by the original developer. The severity of the fee may greatly impact already outrageously high housing prices, perhaps leaving the owners with no economically viable use of their property. The question of "reasonableness" is a legal test that seems to be missing in this case. The nexus—the tie between the project and the mitigation fee—seems totally abstract at best, and fails to provide *any* beneficial replacement for the beach that may seasonally disappear, and does not address the stated problem – beach erosion.

In a case arising out of a similar overly broad exaction, the U.S. Supreme Court reminded the Coastal Commission that "...the right to build on one's own property—even though its exercise can be subjected to legitimate permitting requirements—cannot remotely be described as a 'government benefit'. Nollan v. CA Coastal Commission (1987) 483 U.S. 825, at 833. A failure to meet the "government benefit" test renders the action of the Commission invalid and in excess of its police power.

The fee suggested clearly is excessive and confiscatory. It bears no reasonable relationship to the seasonal loss of beach that may occur and was occurring before the wall. It takes a transitory problem and assesses a fee to provide permanent replacement property in a totally unrelated location. This action of the Commission bears a strong resemblance to the exaction struck down in Nollan. In both cases the action had little if anything to do with the problem presented. Here, the allegation is that the beach will disappear during winter months and may be replaced in the summer months, yet the solution is to make the owners pay millions of dollars for replacement property in unrelated areas. This is punitive and simply stated, takes away their right to protect their property—their homes—without benefit of compensation.

Finally, the attorneys also point out that even if the fee were constitutionally valid, it fails the so-called "rough proportionality" test set forth by the U.S. Supreme Court in Dolan v. City of Tigard (1994) 512 U.S. 374. That case holds that the condition or fee imposed must bear some rational relationship to the impact of the development. For the reasons noted above, we believe this condition fails. In fact, this condition bears no relevance to the rough proportionality of whatever cost of erosion may be created by this project, and as such it must fail. This is not an impact fee that applies to a general class of developer; this is a specific fee attached to *this project*, and as such, the law requires a demonstration that the fee is directly related to the impact caused by this project. That has not been done at

California Coastal Commission
December 8, 2004
Page 3 of 3

all, let alone to a standard that would permit a reasonable person to determine if the proportionate cost of erosion has been correctly assessed to this development. The test of determining if this test has been met is the so-called "heightened scrutiny" standard, meaning the Coastal Commission bears a much more stringent task of demonstrating this fee is reasonable. Please see Ehrlich v. City of Culver City (1996) 12 C4th 854. We believe the fee will fail the heightened scrutiny test, and would again urge the Commission to reconsider the propriety of this condition.

Monterey has a history of being preservationist when it comes to our coastline. At the same time, we also have a reputation as being fair and even-handed when it comes to dealing with development in and around that area. We are firmly convinced that this fee is disproportionate to any impact that may be caused by the seawall, and totally unfair to the proponents of this project who gave the City the land that the Commission now fondly claims on behalf of all people of the state. We urge you to reconsider this onerous condition. As the keepers of the public trust for those most impacted by this project, Monterey residents, we believe the fee is not appropriate in this case. We ask that the Commission allow the property owners to move forward with the seawall immediately, even if the Commission's fee determination has not been finalized.

We are on record as supporting a Monterey Bay-wide program to curb erosion and preserve beach for all of our citizens.

We look to the commission to work with cities, the Marine Sanctuary, and property owners to develop a strategy for dealing with the coastal erosion process before we end up with a series of seawalls along southern Monterey Bay. An appropriate sized mitigation fee focused on solving the erosion problem and applicable to all coastal zone development would be supportable. We don't think that this piecemeal impact fee approach is fair, appropriate, or legal, and would ask that you rescind this action.

Sincerely,



Dan Albert
Mayor

- c: City Council, City Manager, City Attorney and Community Development Director
Ocean Harbor House Homeowners Association, President Mary Seiersen, 1 Surf Way,
#140, Monterey, CA 93940
The Honorable Sam Farr, California 17th District, 100 West Alisal Street,
Salinas, CA 93901
The Honorable John Laird, 27th District, State Assembly, 99 Pacific Street,
Suite 555-D, Monterey, CA 93940
The Honorable Dave Potter, Monterey County Board of Supervisors, 1200
Aguajito Road, Suite 1, Monterey, CA 93940