CALIFORNIA COASTAL COMMISSION

SOUTH COAST DISTRICT OFFICE 301 E. OCEAN BLVD., SUITE 300 LONG BEACH, CA 90802-4830 (562) 590-5071

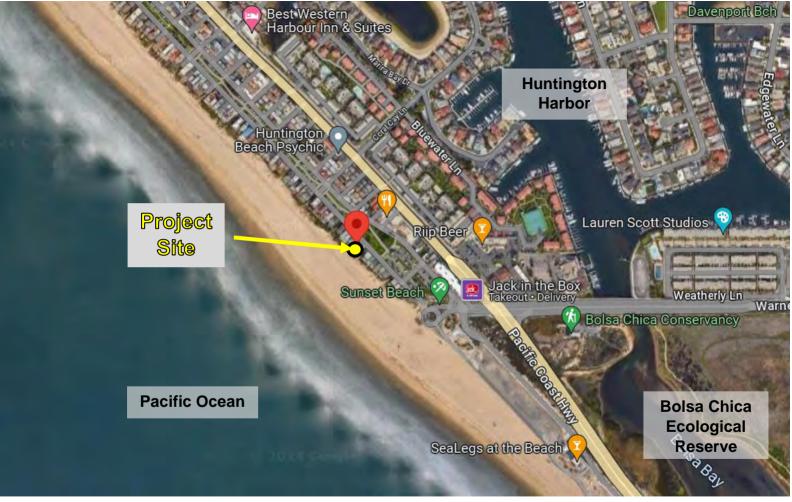


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5-23-0211 (Bosz) June 14, 2024

EXHIBITS

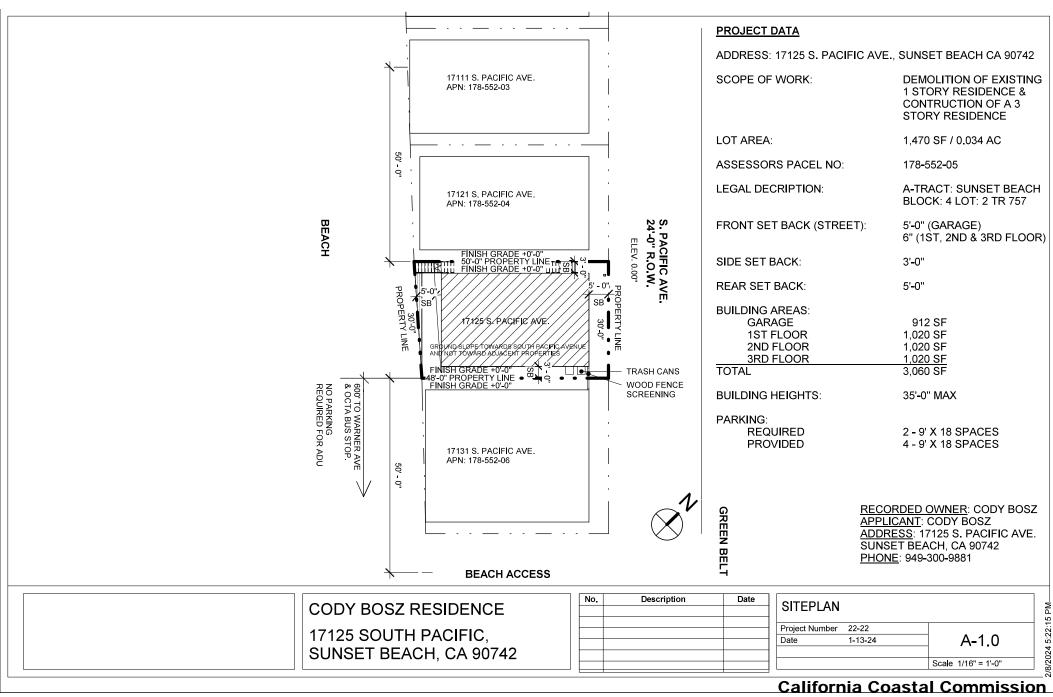
- Exhibit 1 Vicinity Map and Project Site
- Exhibit 2 Project Plans
- Exhibit 3 Dune Landscaping Plan
- Exhibit 4 Coastal Hazards Figure



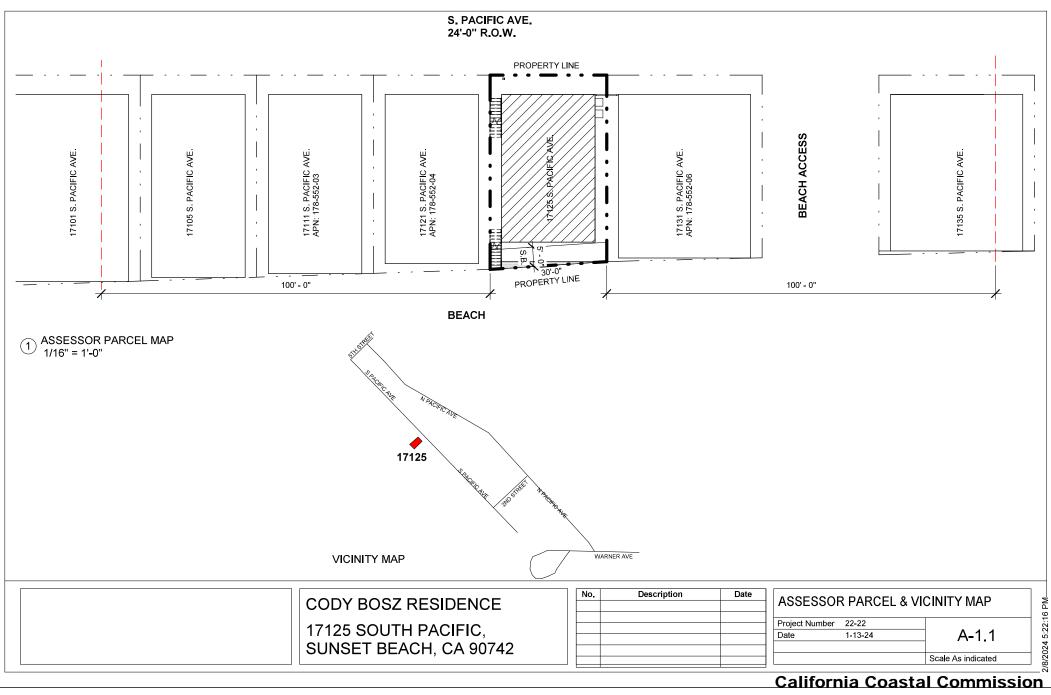
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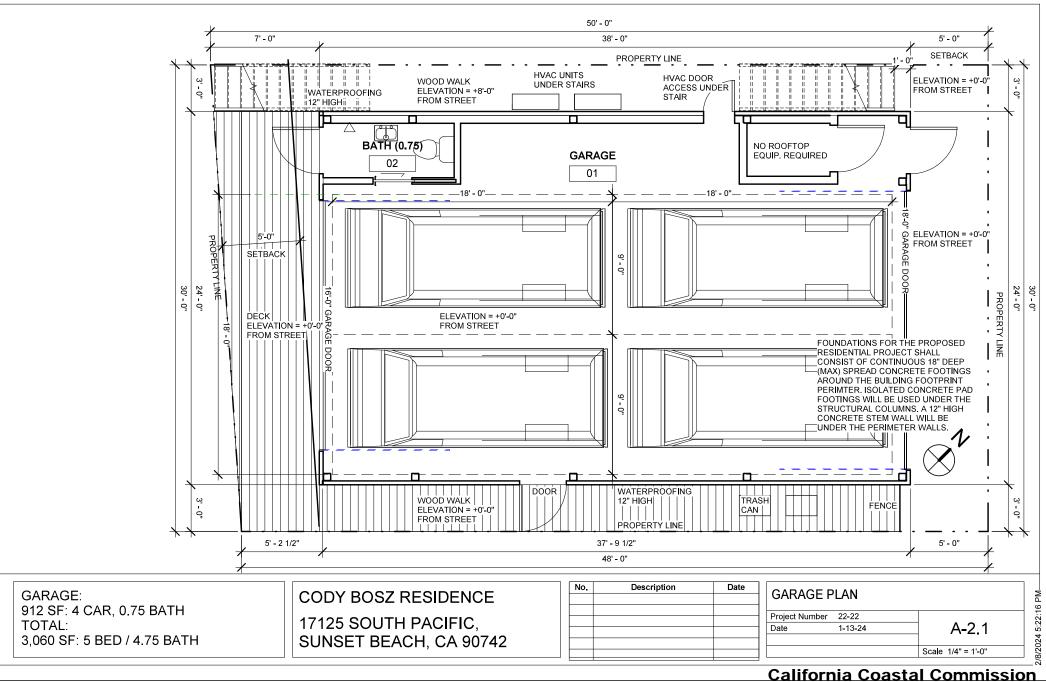
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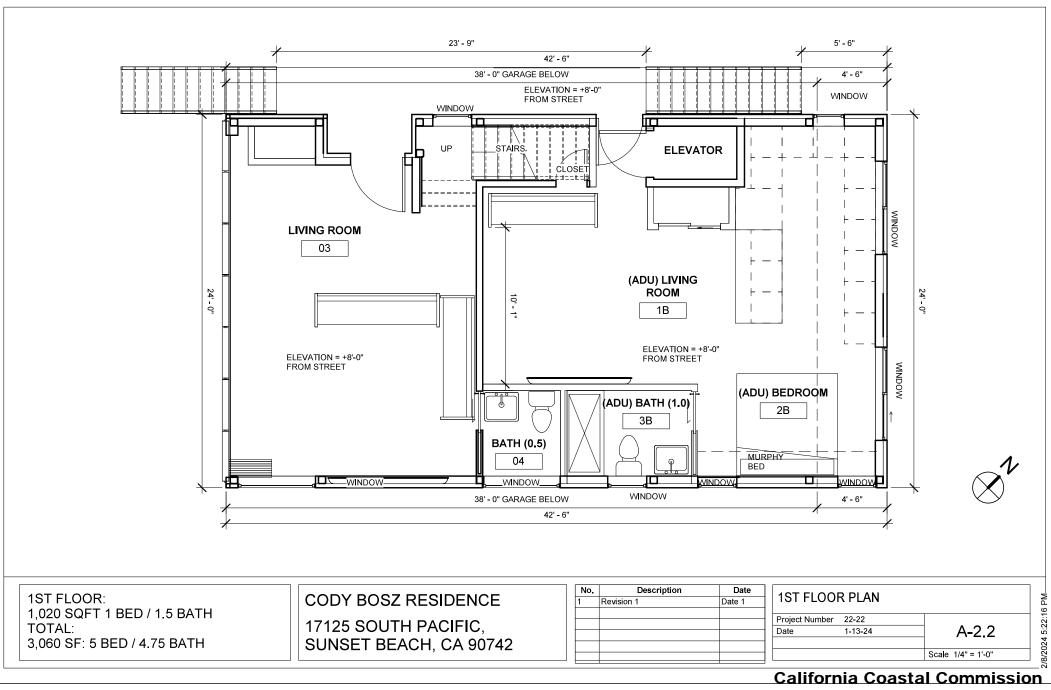
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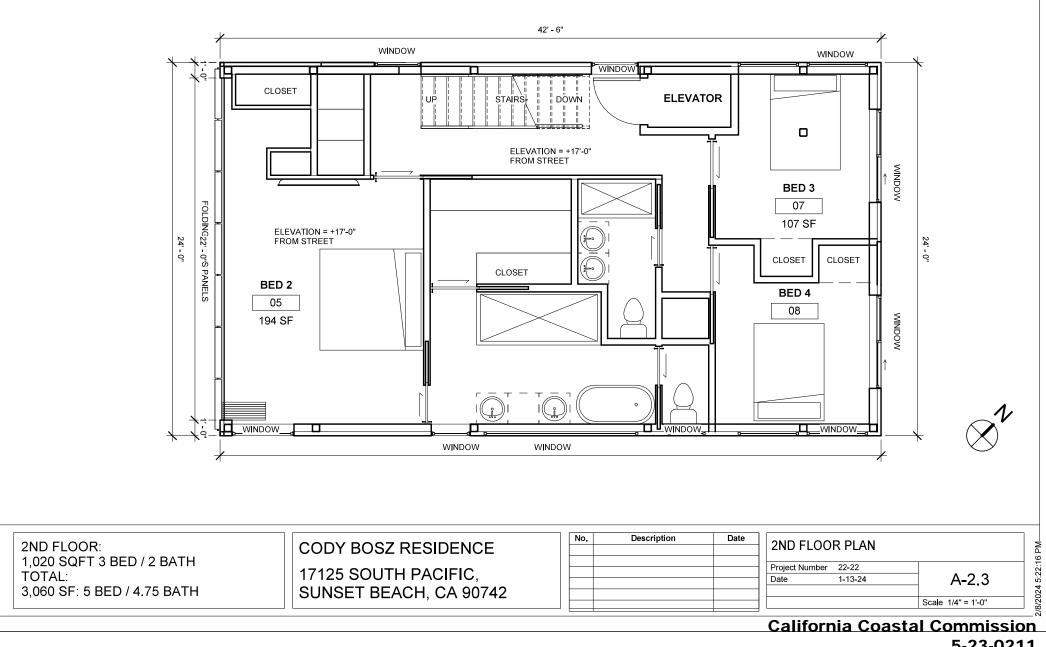
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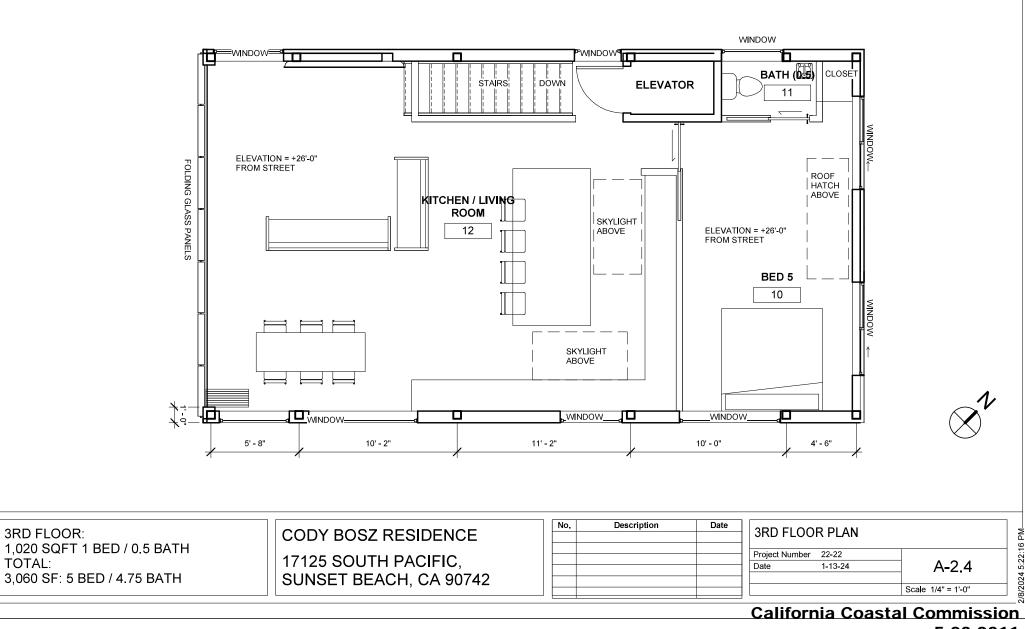
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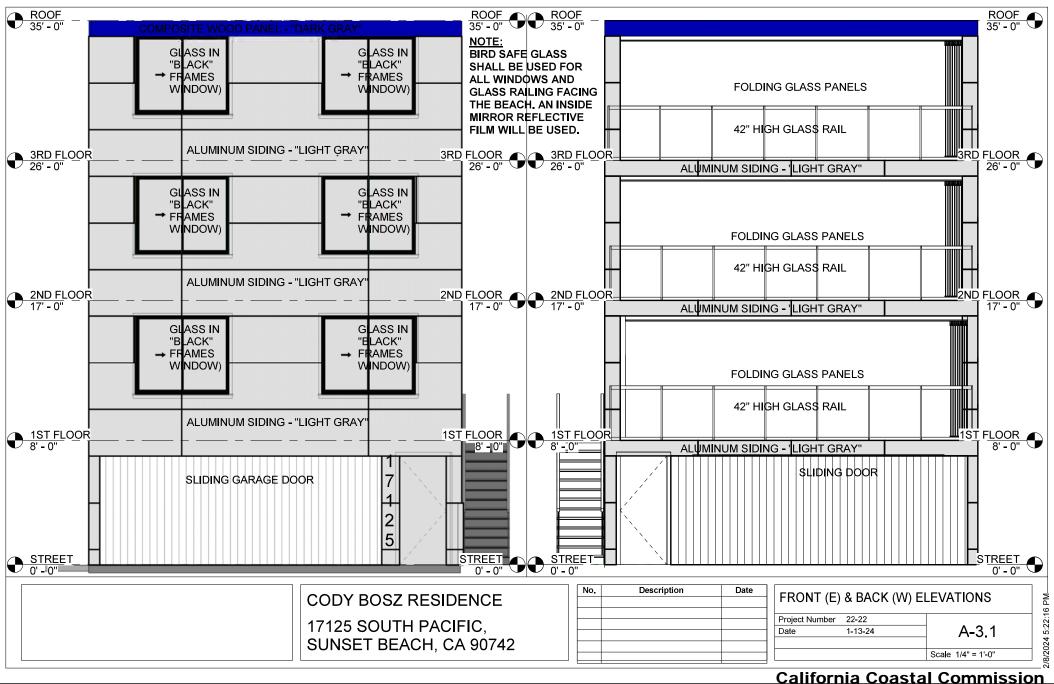
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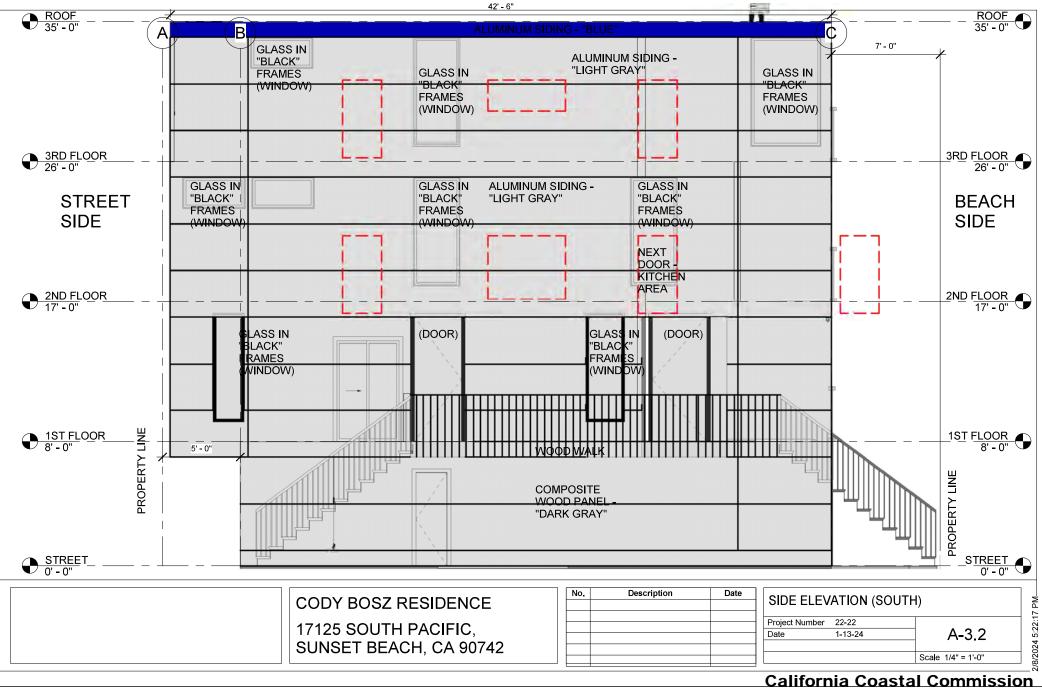
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		SKYLIGHT	ROOFHATCH
Checker	CODY BOSZ RESIDENCE 17125 SOUTH PACIFIC,	No. Description Date	Project Number 22-22 Date 1-13-24 A-2.5

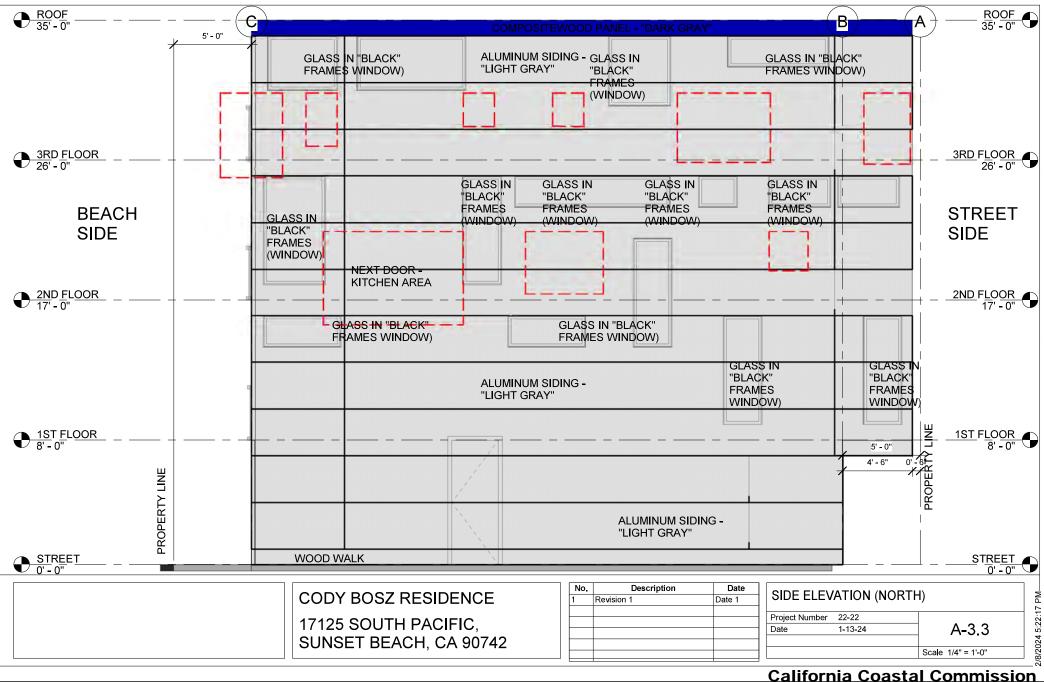
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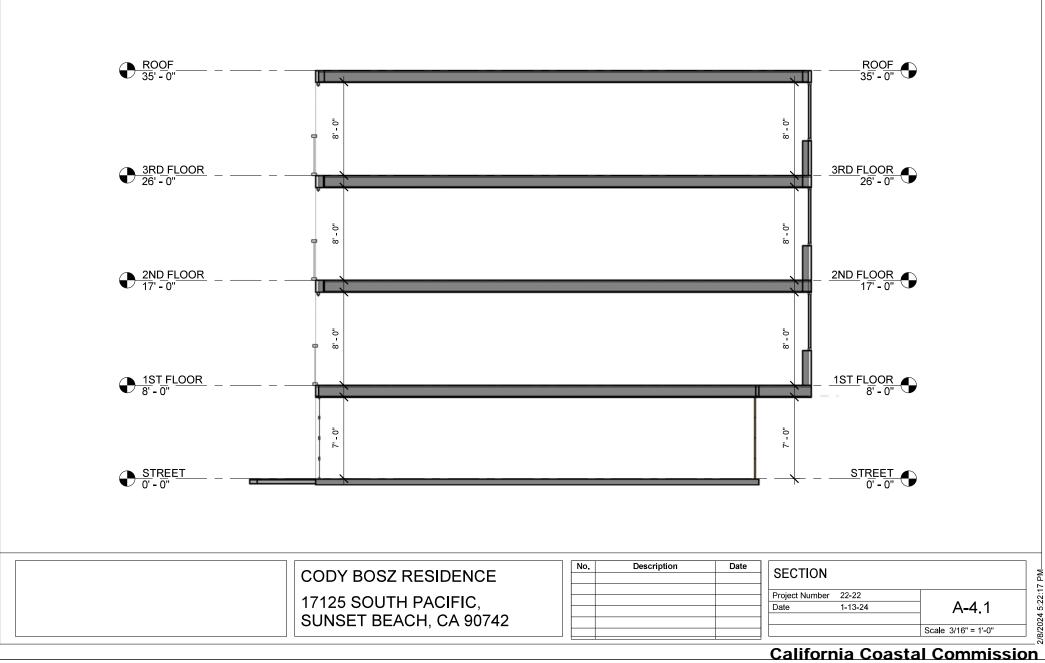
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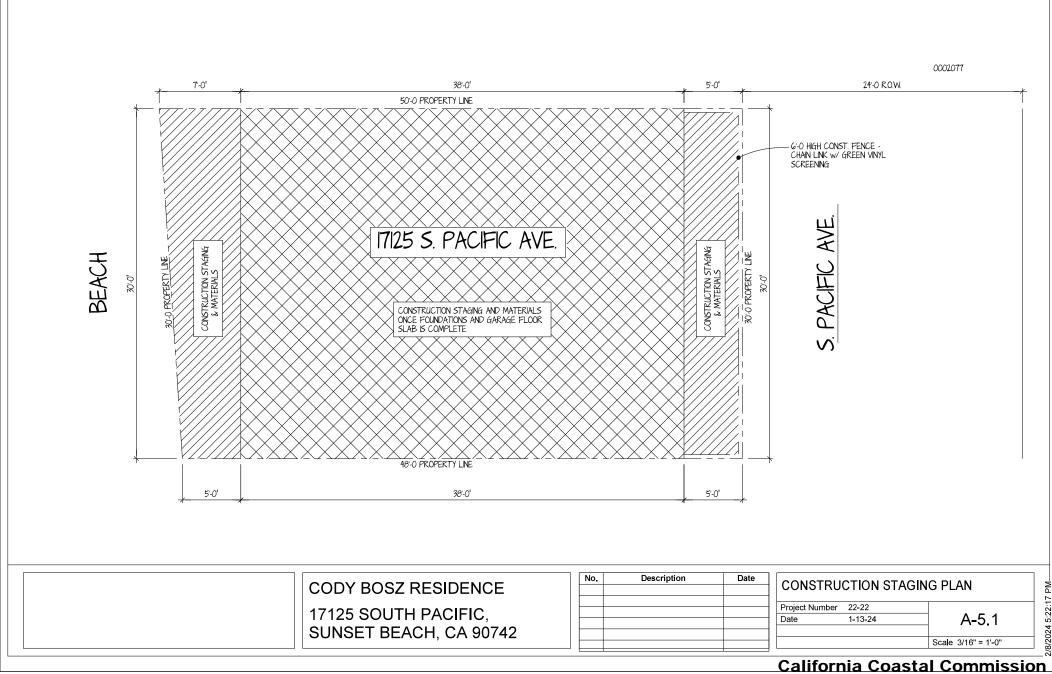
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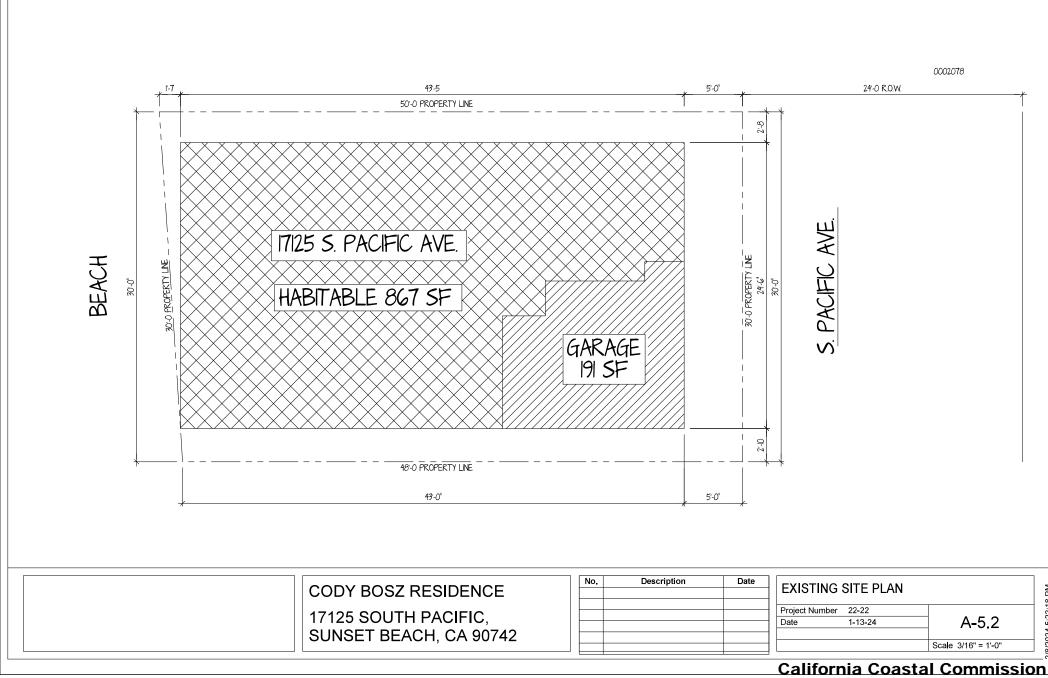
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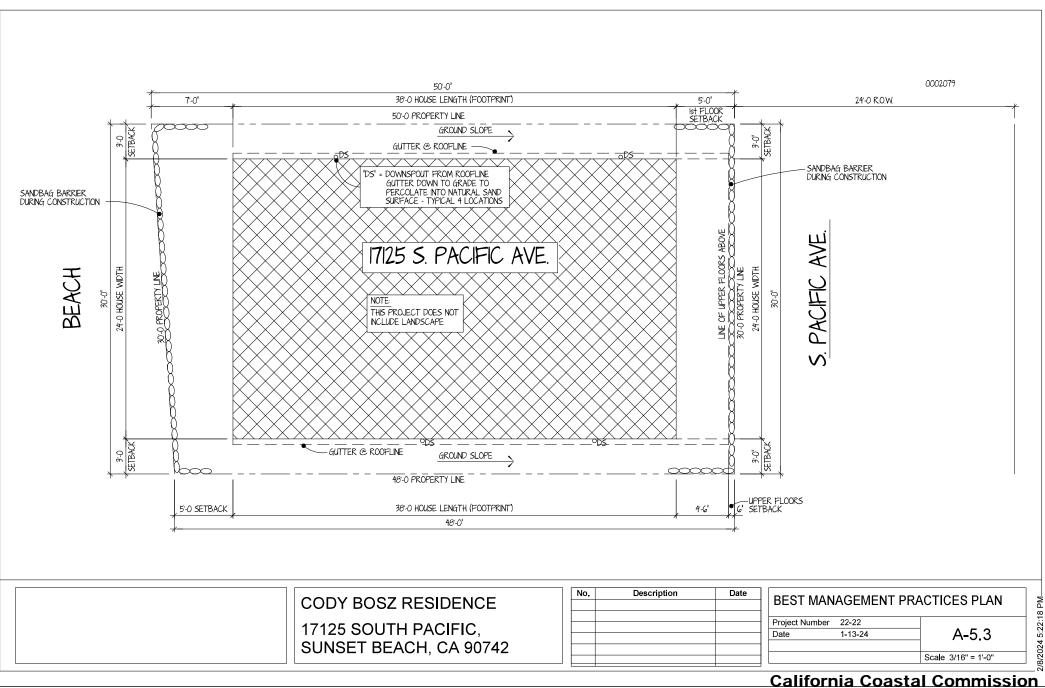


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DUNE LANDSCAPING PLAN 17125 South Pacific Avenue, Sunset Beach

California Coastal Commission Coastal Development Permit Application No. 5-23-0211

> Prepared for: Cody W. Bosz Owner 17125 South Pacific Avenue Sunset Beach, CA 90742

> > Prepared by:

Gary Lee Bosz Architect CA License #C8659 BOSZ ARCH, INC. 1 De Forest Irvine, CA 92620



January 31, 2024

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1.0 INTRODUCTION

The 17125 South Pacific Avenue, Sunset Beach Project (Project) consists of a demolition of a single-story single family residence and construction of a new three story plus garage residence. The Project is adjacent to a public beach with direct beach access.

The applicant (owner) applied for a Coastal Commission Development Permit (CDP) through the California Coastal Commission (CCC) on March 13, 2023.

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A 2nd Notice of Incomplete Application from the CCC was sent on December 13, 2023, that included a requirement for removal of an existing wooden deck and revegetation of the area seaward to existing vegetation. It was established that the deck was built prior to the enactment of the Coastal Act in 1972. However, since no permit can be located it will be removed. A subsequent email from the CCC on December 22, 2023 outlined 6 additional landscape requirements (items A thru F), which are addressed in this report.

1.2 Plan Goals and Objectives

The overall goal of this Plan is to remove an existing encroachment (deck) and establish a native dune plant community in the area in front of the home out to the seaward line of existing vegetation. To achieve these goals, the objectives of the plan are:

- Removal of the wooden deck encroachment
- Successful establishment of native dune plant communities (backdune)

Upon removal of the wooden deck, native dune plantings and seeding revegetation shall occur (Item A) within 60 days after completion of construction for habitat enhancement (Item E).

Removal of the deck will be conducted by hand to avoid compaction of the sandy soils. All debris will be removed and disposed off-site at an approved landfill. After the deck is removed recontouring of the area under the deck will be accomplished by decompacting the sand by hand or equipment and any re-distribution of sand will be performed in a manner mimicking the surrounding topography.

1.4 Implementation Schedule

Installation of new native dune vegetation container plants and seed will not be performed until the deck is removed to avoid any impacts to newly installed vegetation.

Ideally, installation of native vegetation should occur between November and February of the installation year to take advantage of the shorter days and wetter weather. Since installation of plants must occur within 60 days of construction completion, if it is necessary to install plants prior to November, all plants will be hand watered for effective establishment of dune vegetation and soil (dune) erosion control.

1.5 Native Plant and Seed Installation

The Project will utilize both the installation of drought tolerant native container dune plants and seeds already found in Sunset Beach and/or those known to inhabit coastal dunes in the region (Item B). All container stock shall be 1 gal size and installed by hand to avoid destabilizing the dune. Holes are to be dug slightly larger than the container size with the plant approximately 1 inch below the existing sand surface to avoid the wind exposing the root ball of the plant in potentially harsh environmental conditions. Deep watering should be done by hand immediately after the plant is installed to encourage roots to grow down instead of horizontally. No "noxious weed" species listed by the State of California or U.S. Federal Goverment or problematic plant species listed by the California Native Plant Society shall be used (Item C).

Seeds for distribution on the dune, as well as plants, will be sourced from local coastal native plant nurseries, such as S & S Seeds or Nature's Seed (sister company to S & S - primarily for homeowners and smaller quantities), and Tree of Life Nursery (plants) whenever feasible (Item B). Tree of Life Nursery is a local native plant nursery, located in San Juan Capistrano. Seeds will be spread evenly across the zone by hand after the installation of container stock and in the same season. Seeds will then be raked, burying

the seeds approximately 1 inch under the surface sand to prevent the wind from removing too much of the dispersed seeds. The seed does not need to be watered unless it is a very hot day in the summer months.

1.6 Plant Palette

The project area will be vegetated with native dune plants and seed species already in the natural dune site at Sunset Beach. The intent of this plant palette is to create a family of native species that increase the function of the area, i.e., erosion control, blend in with the existing dune communities in the area, and create an aesthetic and sustainable dune habitat.

The habitat will support a diversity of native species. Additionally, a sandy beach walking path will be established through the middle of the site to allow for beach access. The recommended plant palettes are shown in **TABLE 1** and **TABLE 2**, identifying the type of plants and seeds, and in **TABLE 3** for recommended planting zones for the plants and seeds. Plant quantities may be modified based on container stock or seed availability during the year when plants are needed. All landscaping shall consist of drought tolerant plants native to Orange County and appropriate for the native dune habitat in Sunset Beach. The restoration location is shown on **TABLE 5**, **Restoration Site Location**.

The final plant palette and total number of species and container stock are contingent upon species available at the time of plan implementation. Container plants are to be sourced from a local native plant nursery such as Tree of Life Nursery. and seeds may be sourced from S & S Seeds or a similar native seed provider, such as Nature's Seed, wherever the specified plants and seeds can be obtained. See **TABLE 4**, **Restoration Site**.

1.7 Maintenance/Irrigation

All vegetation shall be maintained in good growing condition throughout the life of the project and, if necessary. be replaced with new plants or seeds to comply with the landscaping plan (Item F). Site maintenance, including periodic weeding of invasive non-native vegetation, shall occur regularly throughout the 5-year maintenance period.

California Coastal Commission 5-23-0211 Exhibit 3 Page 4 of 8 Monthly maintenance should occur throughout the initial year, with maintenance in years 2-5 on an as-needed basis. Maintenance activities may include non-native plant trimming and removal, trash removal, and watering as needed.

No inground watering system shall be installed on the site. Hand watering in a diffuse manner will be done whenever necessary (Item D).

Common Name	Scientific Name	Habitat	Quantity (1 gal)
Red sand verbena	Abronia maritima	backdune	8
Deerweed	Acmispon glaber	backdune	9
Pink sand verbena	Abronia umbellate	backdune	8
Seacliff buckwheat	Eriogonum parvifolium	backdune	3
Beach morning glory	Calystegia soldanella	backdune	8
Total			36

TABLE 1 Recommended Container Plant Species and Quantities

TABLE 2 Recommended Seed Species and Quantities

Common Name	Scientific Name	Habitat	Quantity (lbs)
California coast poppy	Eschscholzia californica var. maritima	backdune	1.0
Arroyo lupine	Lupinus succulentus	backdune	0.5
Common Tidy Tips	Layia platyglossa	backdune	0.5
Beach evening primrose	Camissoniopsis Cheiranthifalia	backdune	1.5
Red sand verbena	Abronia maritima	backdune	3.0
Total			6.0 lbs

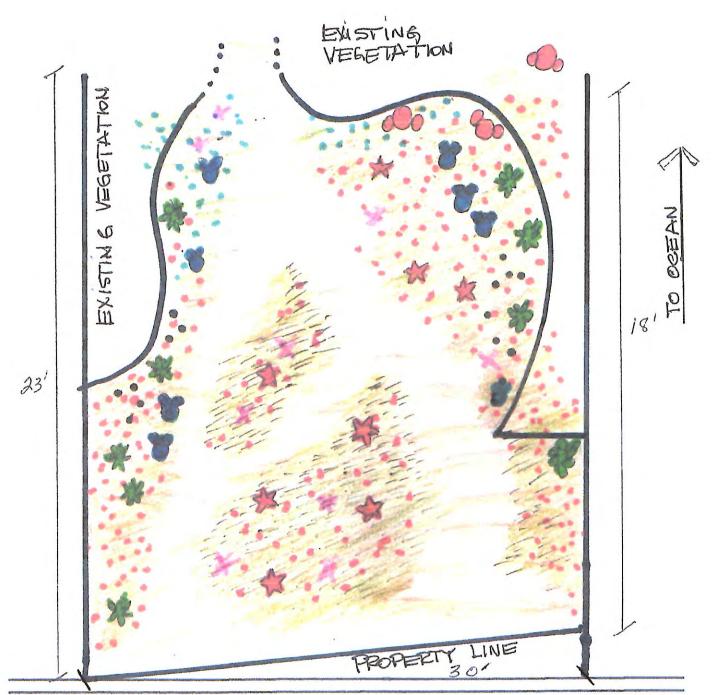


TABLE 3 Conceptual Landscape Plan -- 17125 South Pacific, Sunset Beach

Plants (1 gallon)

Deerweed (Acmispon glaber)

Pink sand verbena (Abronia umbellate) Seacliff buckwheat (Eriogonum parvifolium) Red sand verbena (Abronia maritima)

Beach morning glory (Calystegia soldanella)

Seed

- Arroyo lupine (Lupinus succulentus)
- Common tidy tips (Layia platyglossa)
- Beach evening primrose (Camissoniopsis Cheiranthifalia)
- Red sand verbena (Abronia maritima)
- California coast poppy (Eschedulia Californica var. maritima

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Restoration Area planting habitat zones, including backdune (for restoration). foredune, and a sandy beach access path (beige).

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Google Maps

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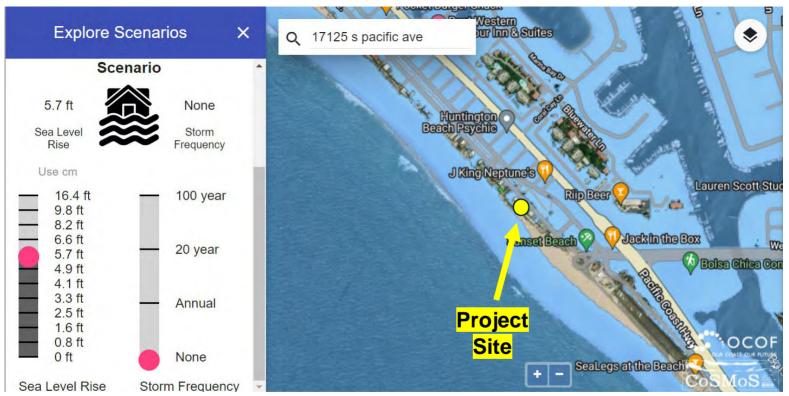
Imagery @2024 Alrbus, CNES / Alrbus, Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO, Map data @2024 100 ft

TABLE 5 Restoration Site Location

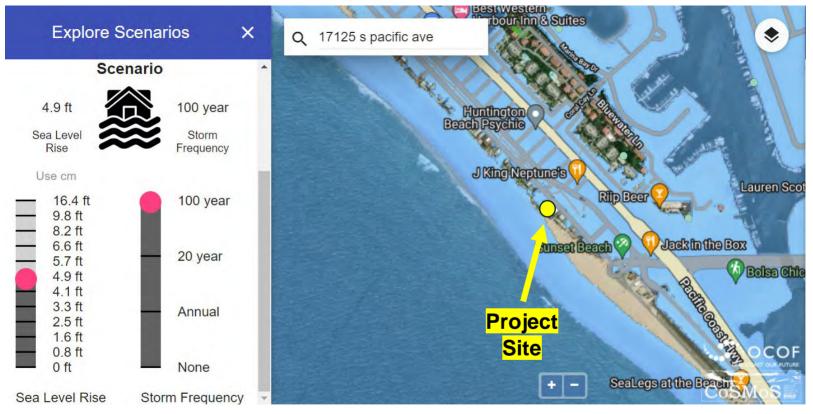
Restoration Site shown with arrow.



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