CALIFORNIA COASTAL COMMISSION

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



Th15a

5-11-085-A1 (CITY OF LONG BEACH) APRIL 12, 2018

EXHIBITS

Exhibit I — Long Deach, CA Ma	Exhibit 1	- Lo	ng Beach	, CA	Map
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Exhibit 2 – Project Sites Map (Naples Canals, Colorado Lagoon)

Exhibit 3 – Site Plan for Phase Two

Exhibit 4 – Canal Section (with existing and proposed seawalls)

Exhibit 5 – Seawall Section (with existing seawall and proposed steel z-pile seawall)

Exhibit 6 – Plan View/Elevation – Interlocking steel z-pile

Exhibit 7 – Existing Seawall Section (with history of prior repairs - underground)

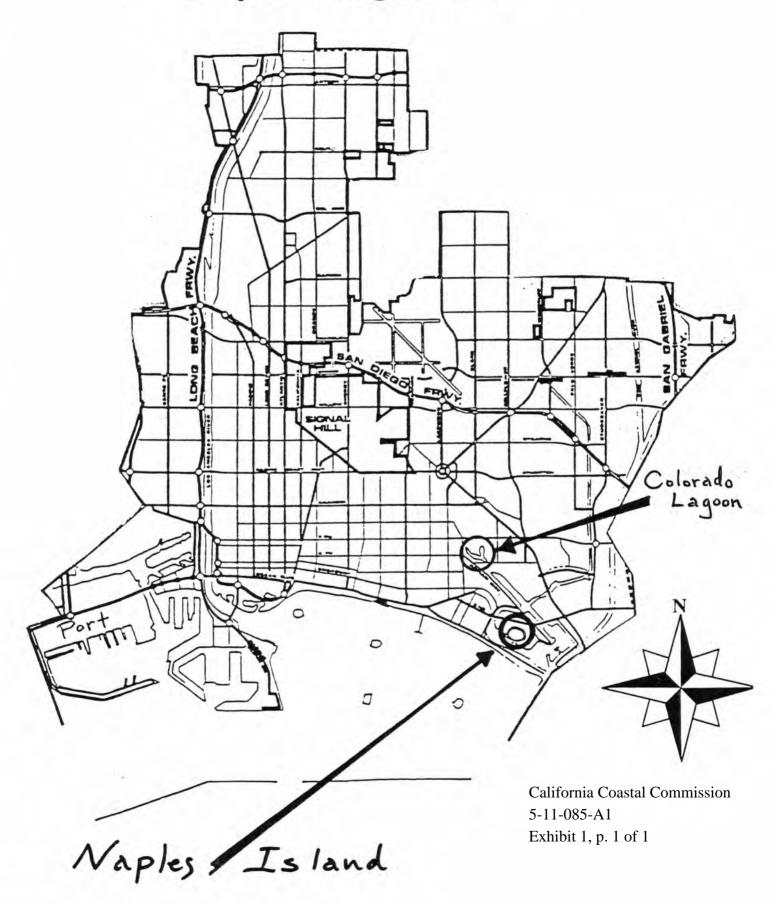
Exhibit 8 - Colorado Lagoon - Proposed Soft Bottom Mitigation Plan

Exhibit 9 - Certified Long Beach LCP Policy Plan for Area E (Naples)

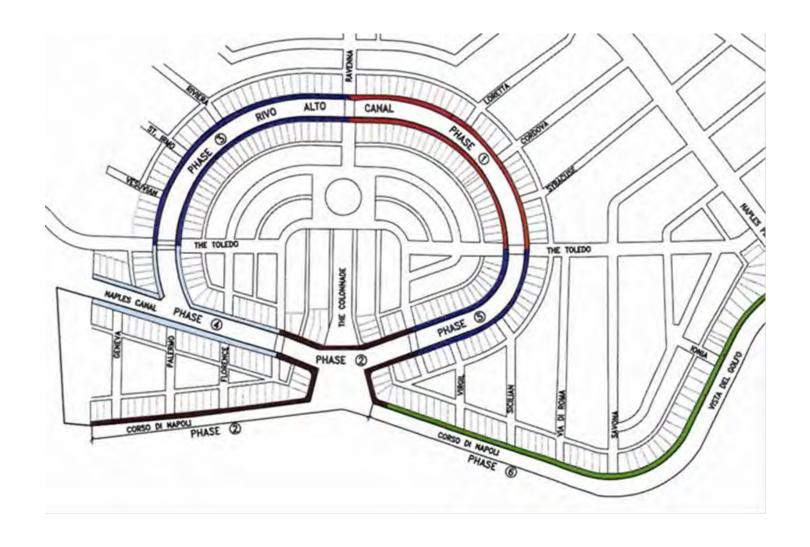
Exhibit 10 – Sorrento Alamitos Bay Shoreline Trail (right-of-way) Alignment

Exhibit 11– Letter from Suzanne Frick, Assistant City Manager of the City of Long Beach, addressing Sorrento Trail Phases dated July 30, 2012.

City of Long Beach





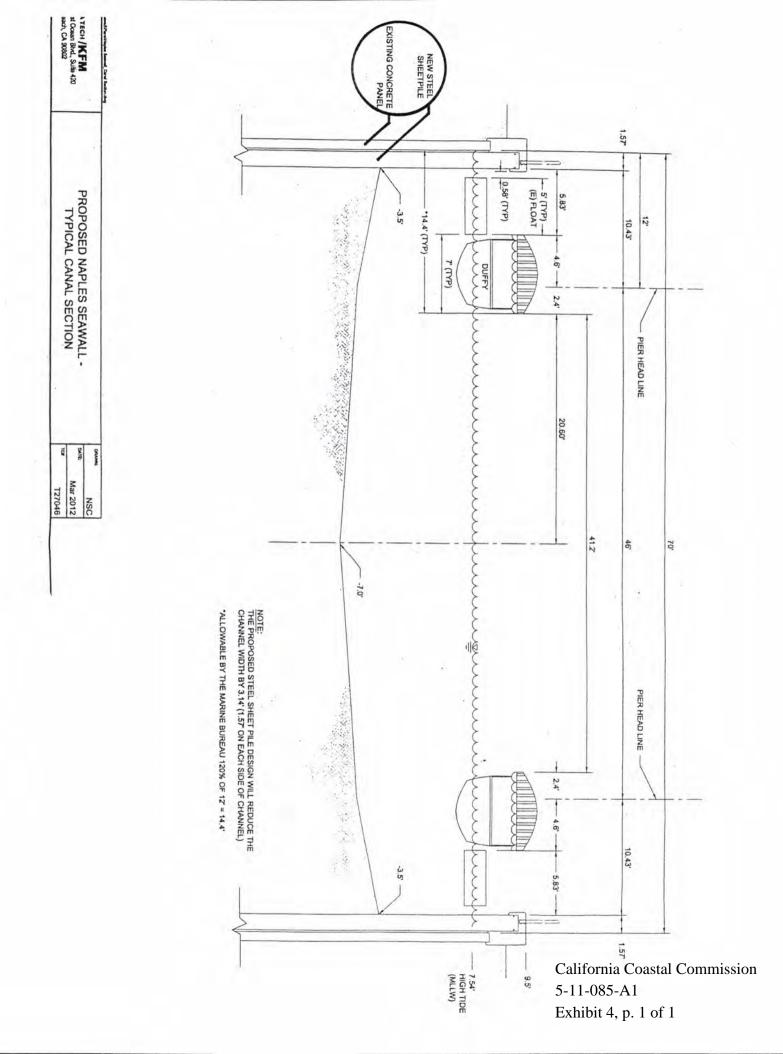


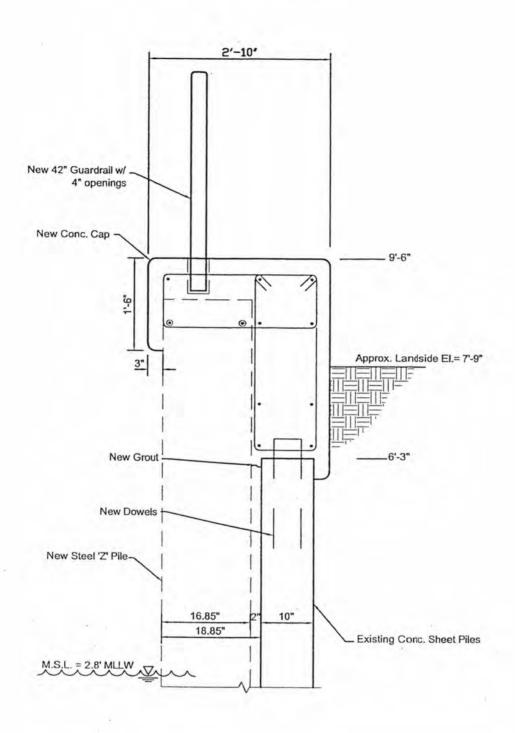
Phasing Plan, Naples Island Seawall Repair Project, Naples Island, Long Beach, CA

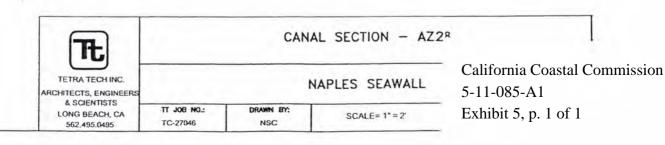


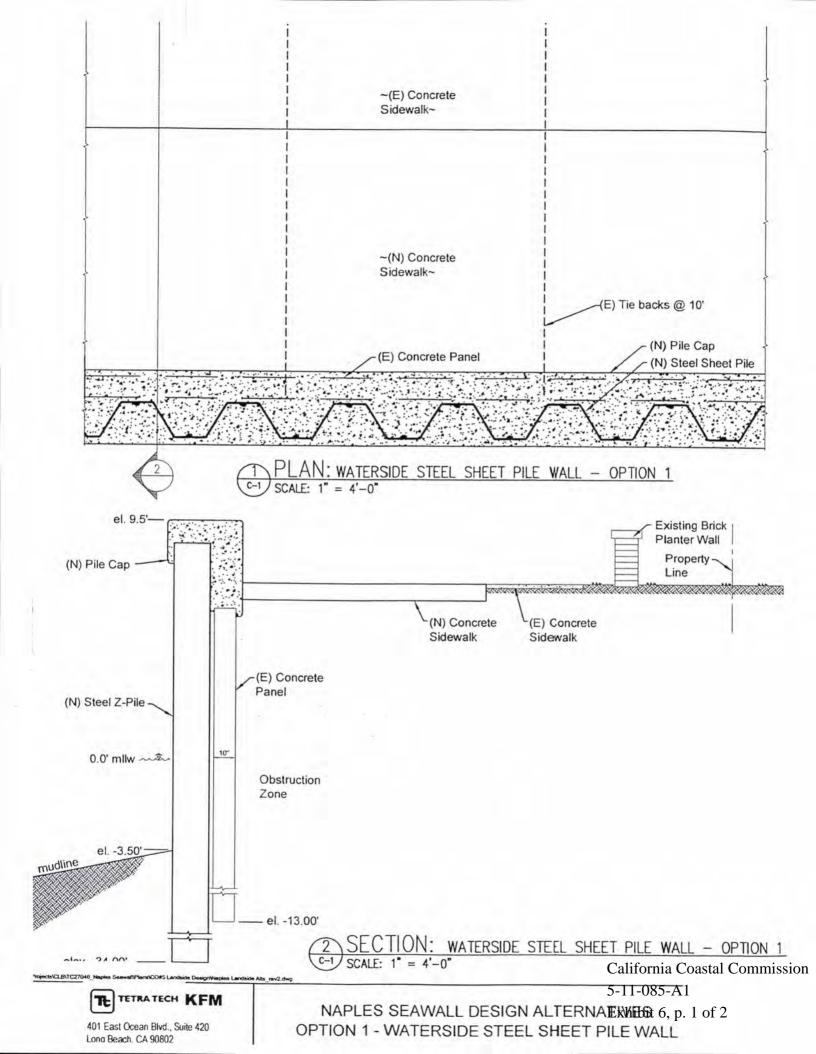
PUBLIC DISABLED ACCESS LOCATIONS PLAN FOR NAPLES ISLAND SEAWALL REPAIR PHASE 2 PROJECT

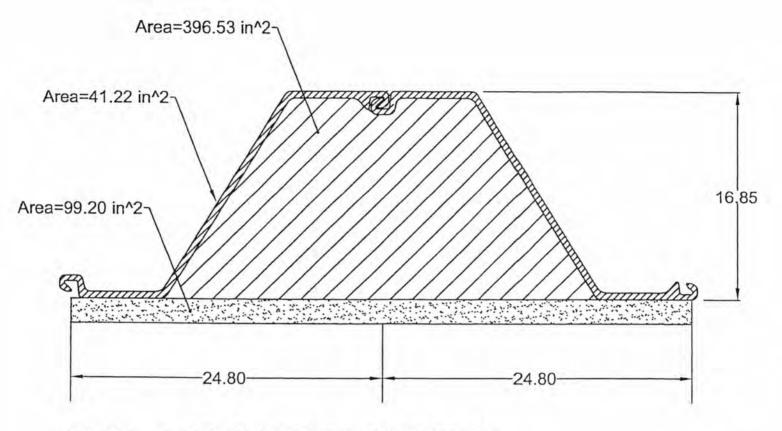
California Coastal Commission 5-11-085-A1 Exhibit 3, p. 2 of 2







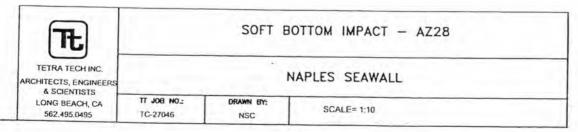


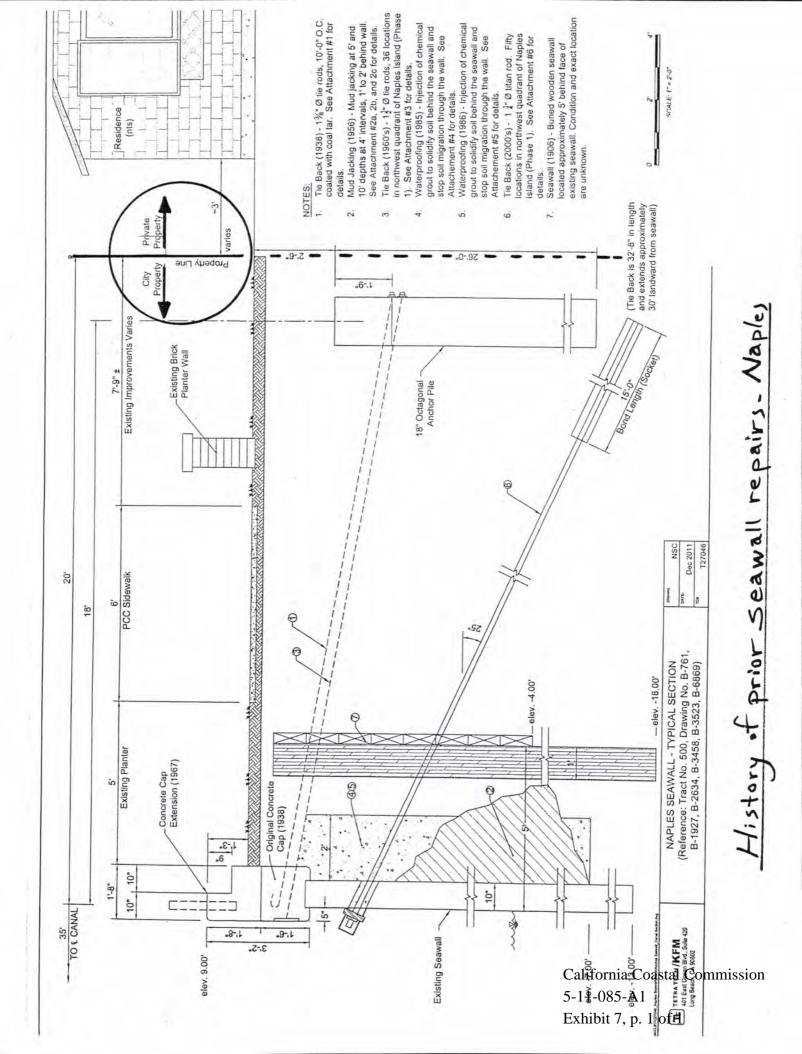


PLAN - AZ28 SHEET PILE SECTION

Soft Bottom Area = $536.95 \text{ in}^2 = 3.73 \text{ sf divide by } 4.133 \text{ feet} = 0.902 \text{ sf/lf}$ Soft Bottom Impact = $0.902 \times 1915 = 1727 \text{ ft}^2$

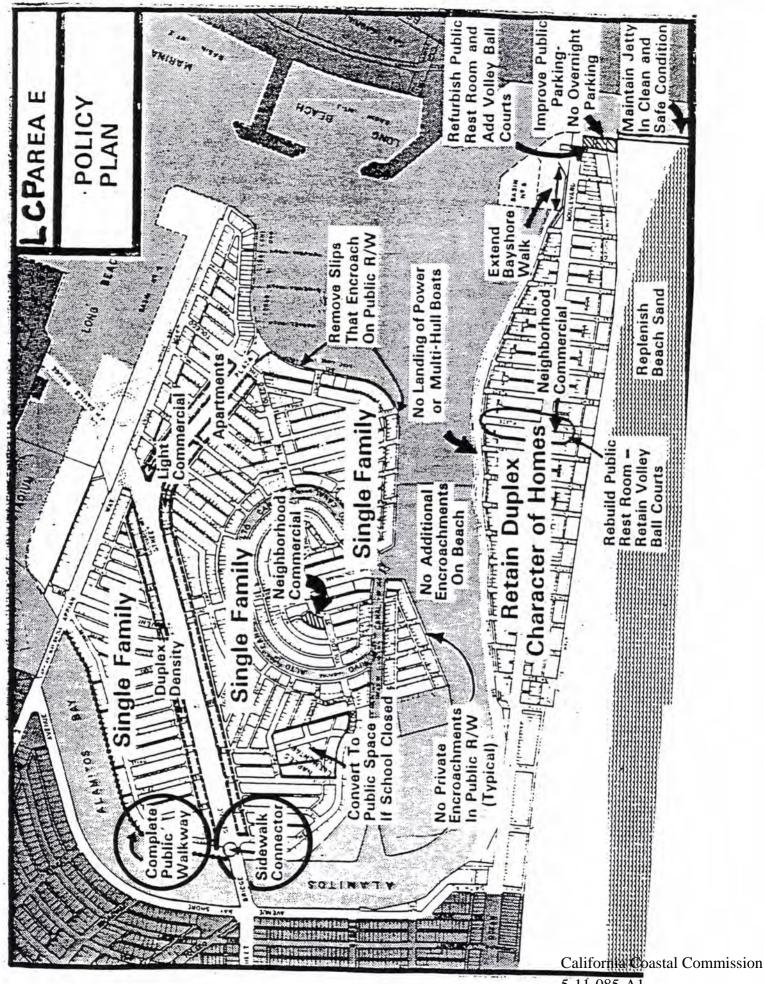
Grout Volume = 495.73 in² = 3.443 sf divide by 4.133 feet = 0.833 sf/lf 0.833 sf/lf x 1915' = 1595 ft² x 15' = 23,925 ft³ = 886.1 cy





Phase 2B Credit Areas Colorado Lagoon Phase 2B City of Long Beach

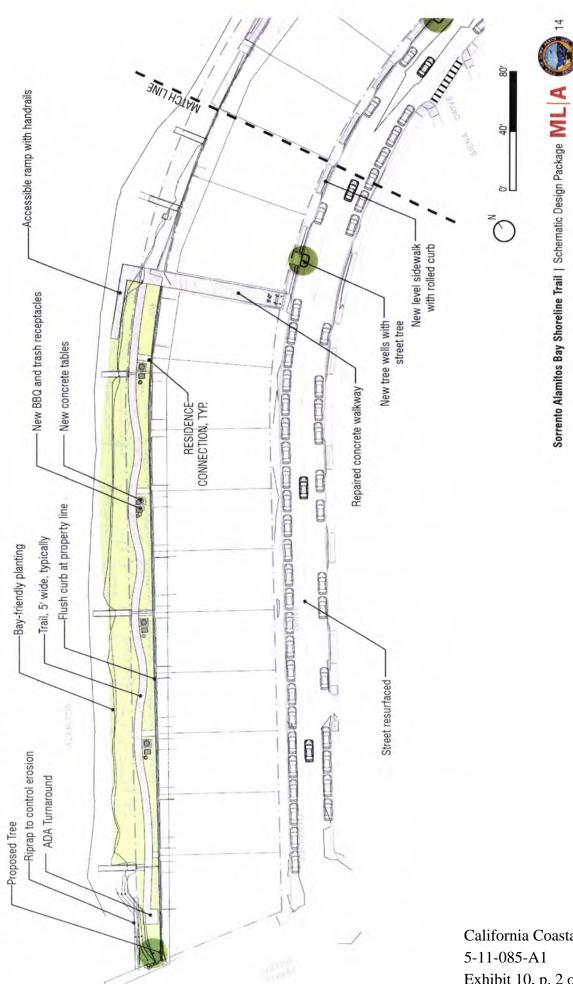
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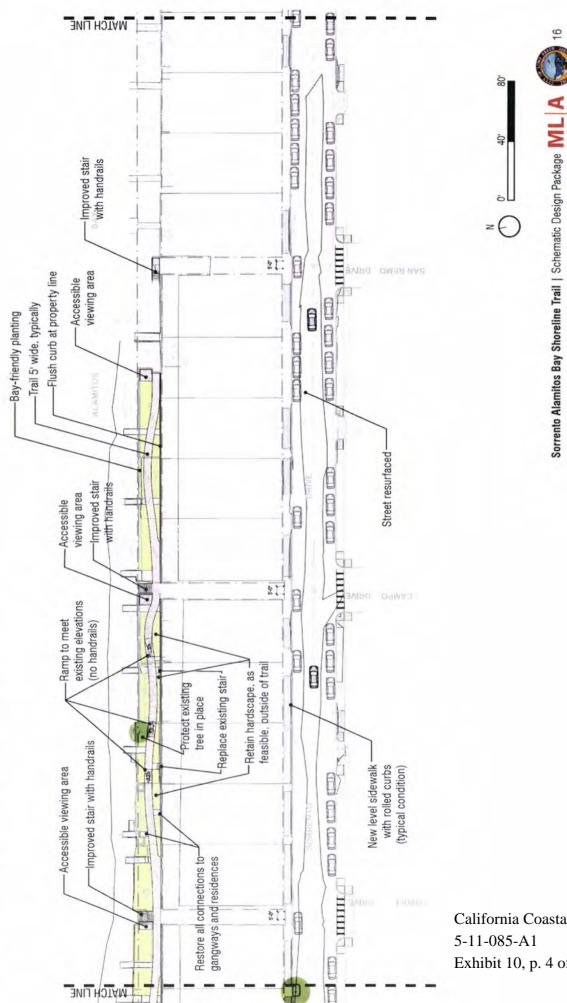


TRAIL ALIGNMENT SCHEMATIC PLAN



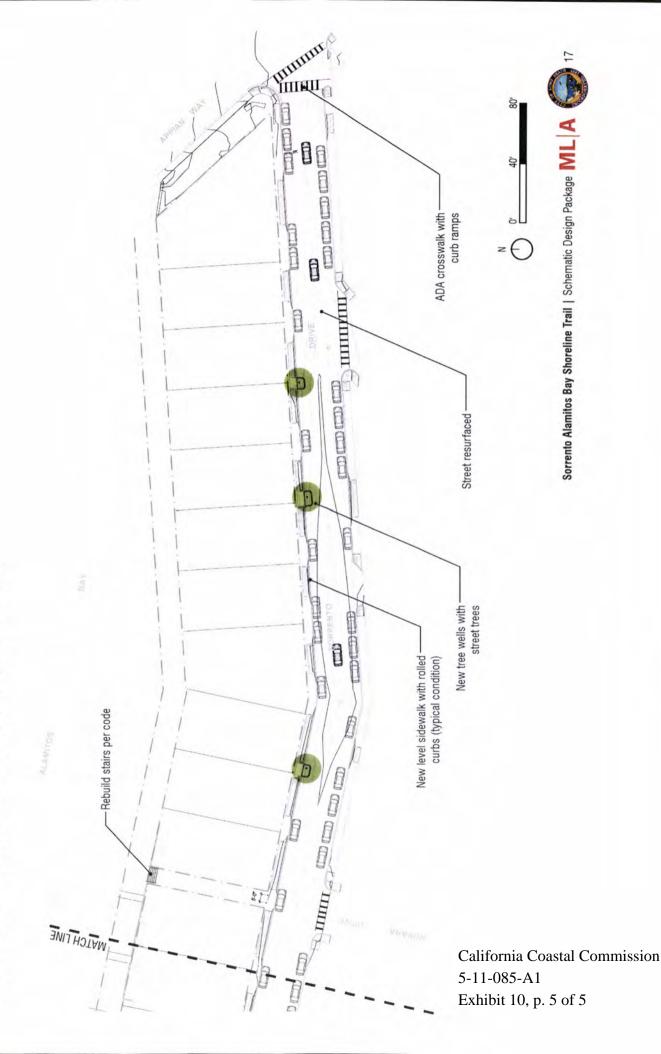
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CITY OF LONG BEACH

OFFICE OF THE CITY MANAGER

333 West Ocean Boulevard • Long Beach, CA 90802 • (562) 570-6711 FAX (562) 570-7650

July 30, 2013

RECEIVED South Coast Region

JUL 8 0 2013

Teresa Henry, District Manager California Coastal Commission 200 Oceangate Long Beach, CA 90802

CALIFORNIA COASTAL COMMISSION

Ms. Henry,

This submittal is in response to your July 26, 2013 letter requesting additional information concerning potential mitigation for the Naples Island Permanent Seawall Repairs Project (Seawall Project). In specific, the following information was requested: 1) Plans for a public walkway within the Sorrento Drive 15-foot Public Easement (Easement); 2) Phasing of construction of the Sorrento Drive Public Walkway (Sorrento Walkway) along the Easement; 3) An explanation of how the Sorrento Walkway's construction would be tied to the implementation of the Seawall Project construction phasing, with milestones, and; 4) A preliminary cost estimate of the Sorrento Walkway. The following responds to your request.

1. Plans for a public walkway within the Sorrento Drive 15-foot Public Easement (Easement).

The City cannot provide plans at this time, however, the City will commit to the preparation and delivery of plans prior to the approval of the next phase of seawall construction.

The process of developing a detailed design plan for a public walkway along the Sorrento Drive Easement will require comprehensive surveying and engineering efforts. The design of a walkway is complicated by its proximity to private property, adjacency to inter-tidal sandy beach, the potential need for new public seawalls, possible encroachments into public property, and the presence of permitted private docks. Regardless of its complexity, the City will develop a detailed plan for the Sorrento Walkway immediately upon approval of the City's Coastal Development Permit (CDP) for the Phase 1 Seawall Project (File No. 5-11-085). The design plan and construction phasing will then be submitted to Coastal staff prior to the submittal of the Phase 2 Seawall construction permit.

- 2. Phasing of construction of the Sorrento Drive Public Walkway (Sorrento Walkway) along the Easement;
- 3. An explanation of how the Sorrento Walkway's construction would be tied to the implementation of the Seawall Project construction phasing, with milestones,

Since the Seawall Project consists of six total parts, the design development and implementation of the Sorrento Walkway could occur in the following phases:

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City of Long Beach, Naples Seawall Project July 30, 2012 Page 2 of 2

Phase 1: The City shall develop the detailed Sorrento Walkway Plan and construction

phasing for review and approval prior to submitting the CDP application for

the Phase 2 Seawall Project.

Phase 2: Submit CDP application for proposed Sorrento Walkway and construction

phasing and permit. If approved by Coastal Commission, implementation of

the first phase will occur as part of the Phase 2 Seawall Project.

Phase 3: Implement second phase of Sorrento Walkway.

Phase 4: Implement third phase of Sorrento Walkway.

Phase 5: Implement fourth phase of Sorrento Walkway.

Phase 6: Implement fifth and final phase of Sorrento Walkway.

Each of these phases would serve as key milestones that would need to be completed prior to the issuance of the next CDP for the Seawall Project. A total of six CDP's will be needed for the Seawall Project, which would provide ample time to raise funds and implement the required improvements along the Sorrento Walkway as mitigation. The approval of future Seawall Project phases would be contingent on completing the approved improvements to the Sorrento Walkway.

4. A preliminary cost estimate of the Sorrento Walkway.

The current high-level cost estimate for the design and permitting of the Sorrento Walkway is \$700,000. A high-level cost estimate for construction and implementation is \$5,000,000. These estimates are very high level and would need to be revised during the engineering design work.

If you have any questions, please call me directly at 562-570-6811. Thank you.

Sincerely,

Suzanne Frick

Assistant City Manager

Exhibits:

A - Site Plan Showing 15-Foot Public Right of Way

CC: Gary DeLong, 3rd District Councilmember
Ara Maloyan, City Engineer and Acting Director of Public Works
Eric Lopez, Tidelands Capital Projects Program Manager
Mark Sandoval, Marine Bureau Manager
Rafael Holcombe, PE, Tetra Tech BAS, Inc.
Robert Maldonado, Senior Civil Engineer

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