

BLUE FOLDER ITEM

Blue folder items are additional back up material to administrative reports and/or public comments received after the printing and distribution of the agenda packet for receive and file.

CITY COUNCIL MEETING February 16, 2021

L.1 PUBLIC HEARING TO CONSIDER AMENDING TITLE 9, CHAPTER 12 OF THE MUNICIPAL CODE PERTAINING TO THE FLOOD DAMAGE PREVENTION REGULATIONS

INTRODUCE BY TITLE ONLY ORDINANCE NO 3212-21, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING FLOOD DAMAGE PREVENTION REGULATIONS IN TITLE 9, CHAPTER 12, SECTIONS 9-12.201, 9-12.501, AND 9-12.507, FOR INTRODUCTION AND FIRST READING

PROCEDURES:

- a. Open Public Hearing, take testimony; and**
- b. Close Public Hearing; and**
- c. Introduce Ordinance 3212-21 by title only**

CONTACT:

TED SEMAAN, PUBLIC WORKS DIRECTOR

ATTACHED IS A PRESENTATION REGARDING ITEM L.1.

FEMA Updated Coastal Flood Insurance Rate Maps

- Coastal areas within the current Redondo Beach FIRM were mapped in the early 1980s.
- Improvements in technology enable a more accurate assessment of flood hazards.
- Updated maps help you understand your current coastal flood risk.
- Updated FEMA Coastal maps represents the current condition flood risk for flood insurance purpose, does not include the future sea level rise.

Coastal Flood Hazard Mapping Zone Notations

Special Flood Hazard Area (SFHA) Mapping

- Zone VE: Inundated by 1-percent annual chance flood with additional wave-induced hazards; detailed Base Flood Elevation (BFE)
 - Wave runup
 - Wave overtopping
 - High velocity flow
 - Breaking waves
 - Primary Frontal Dune (PFD)
- Zone AE: Inundated by 1-percent annual chance flood with lesser wave hazards; detailed BFE
- Both AE and VE zones carry mandatory flood insurance purchase requirements
- Zone X (shaded): Inundated by 0.2-percent annual chance flood (or inundated by <1 ft for 1-percent flood)
- Zone X (unshaded): area of minimal flood risk



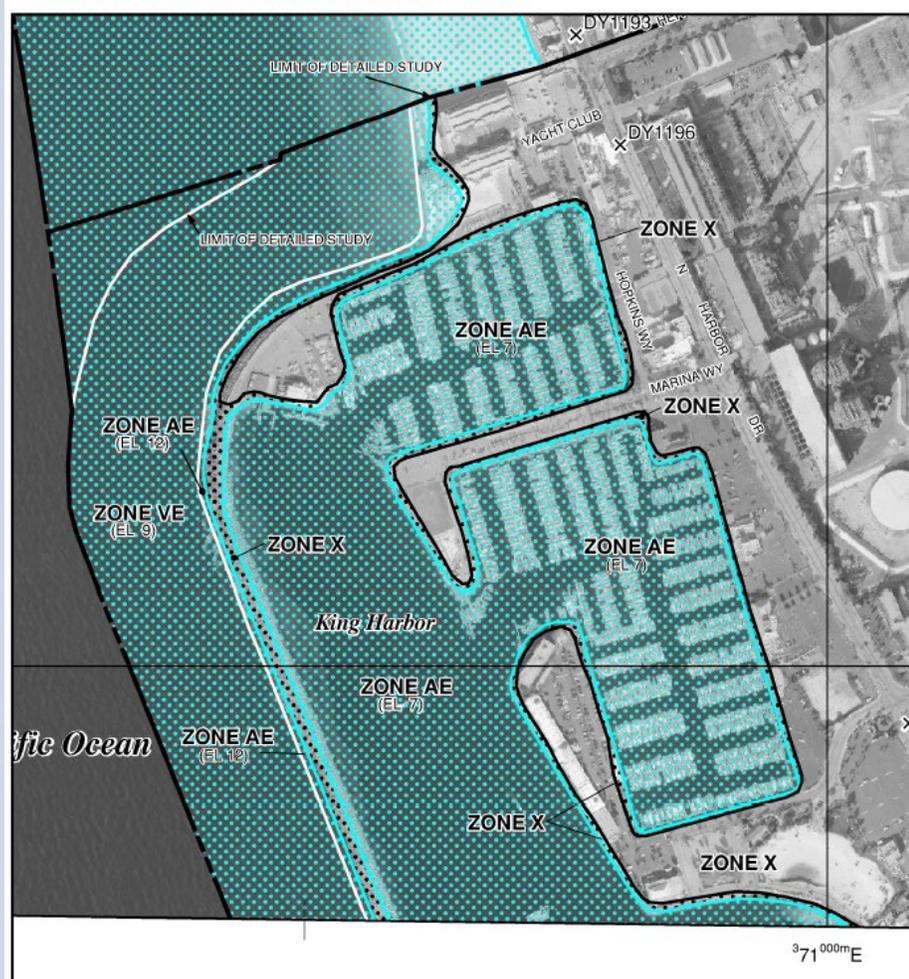
Coastal
High
Hazard
Areas

FEMA Coastal Map Key Items:

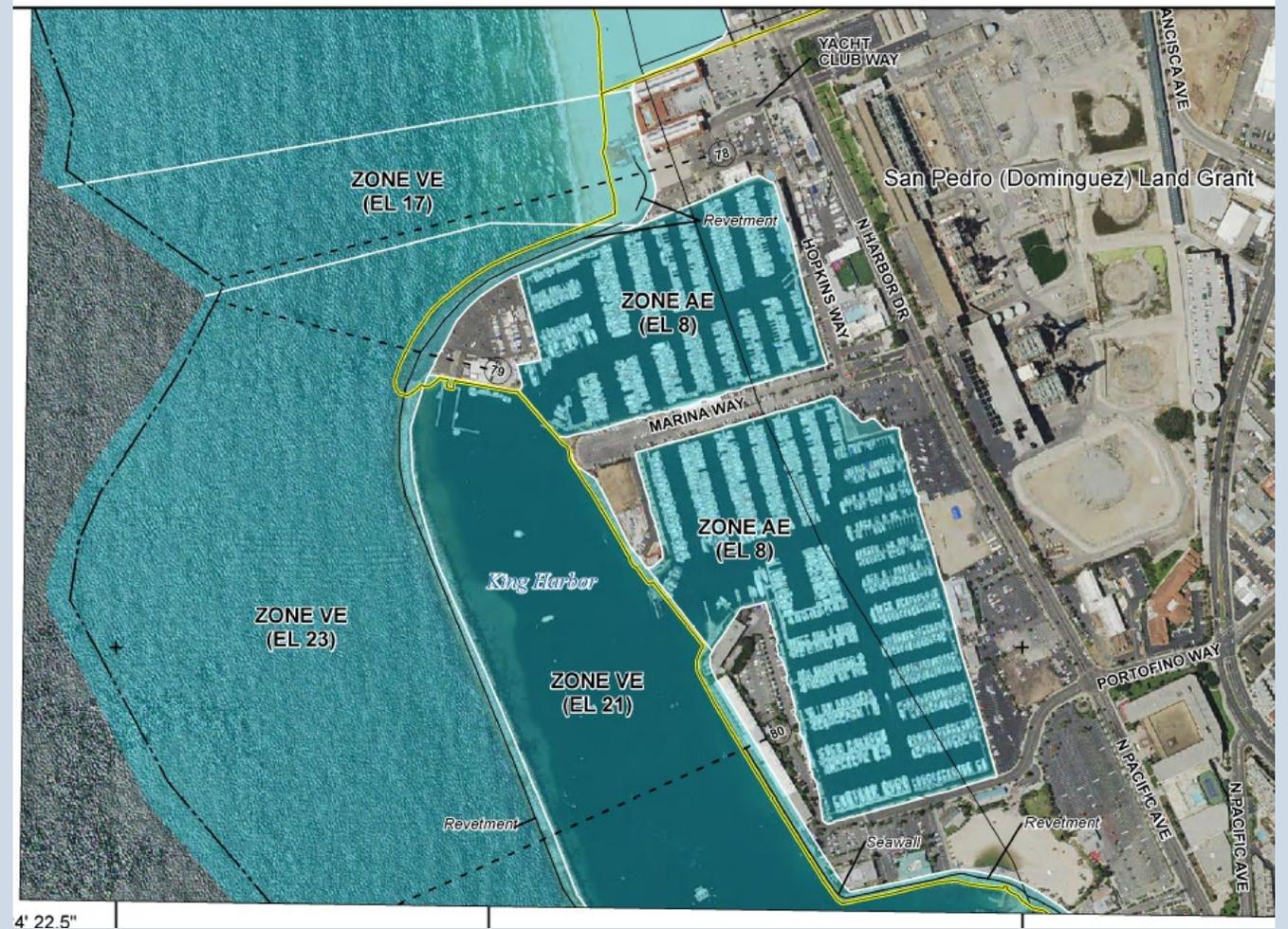
- No revisions to the inland flood zone areas, remain same as 2008
- No additional residential properties are added or impacted.
- No significant changes to the flood plain limits. However, Coastal Zone Boundary (Zone VE & AE) are revised along with the Base flood elevations.
- King Harbor breakwater is overtopped by the 100-year flood event with BFE of 21 ft and designated a VE Zone (elevation 21 ft).
- Seaside Lagoon is protected by inner breakwall during 100-year event.
- BFE at King Harbor Marina (Basin 1, Basin 2 & Basin 3) revised from Zone AE 7 ft to AE 8 ft (BFE of 8 ft).
- Municipal Pier flood hazard zone modified from Zone AE 11 to VE 13 (BFE of 13 ft)
- Flood Zones along the coastline designated to Zone VE ranging from 12-14 ft .

Flood Hazard Mapping

2008 FIRM (06037C1907F):
Zones VE 9, AE 7-12 and Zone X Shaded

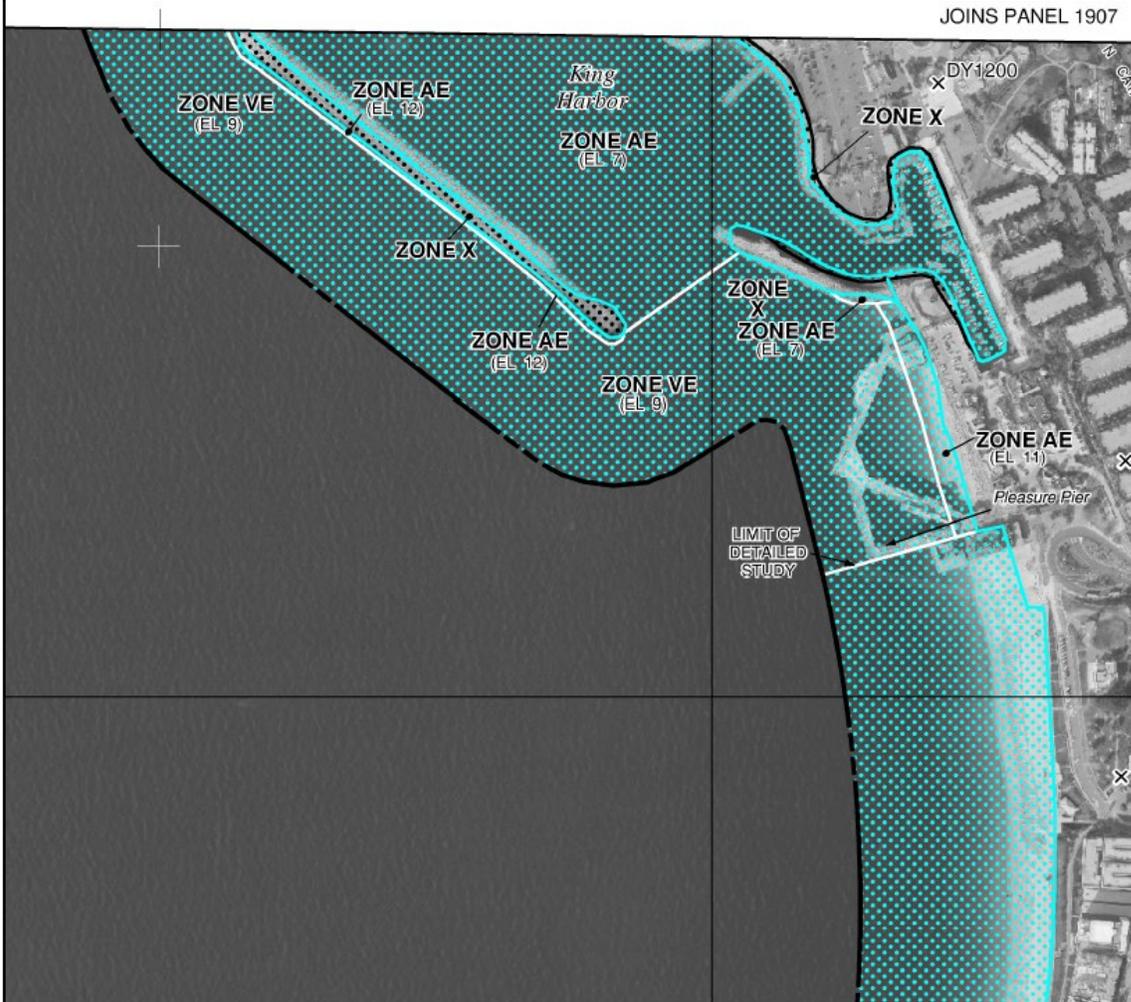


2021 FIRM (06037C1907G):
Zones VE 23-21, AE 8

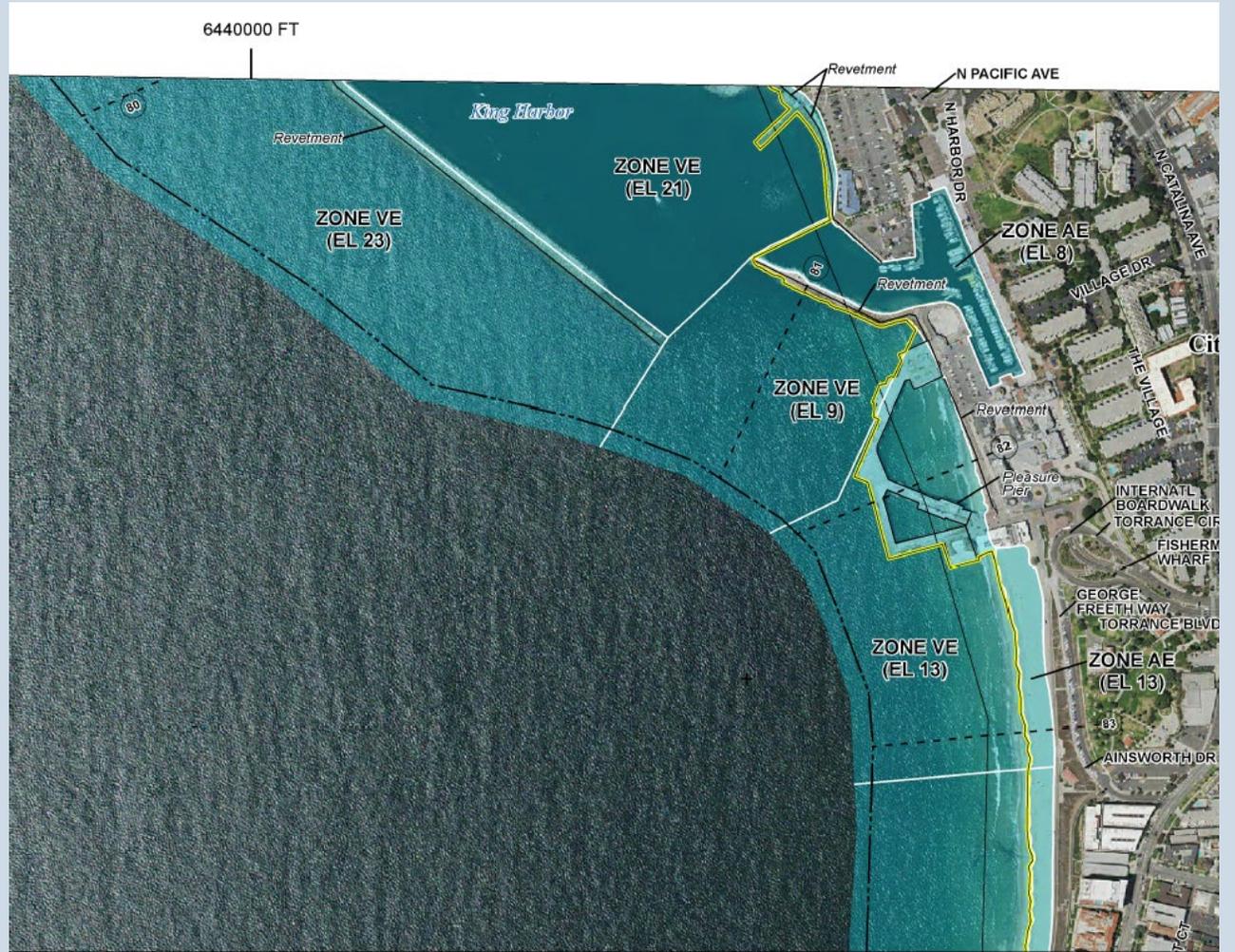


Flood Hazard Mapping

2008 FIRM (06037C1909F) Slide 1:
Zones VE 9, AE 7-12 and Zone X Shaded

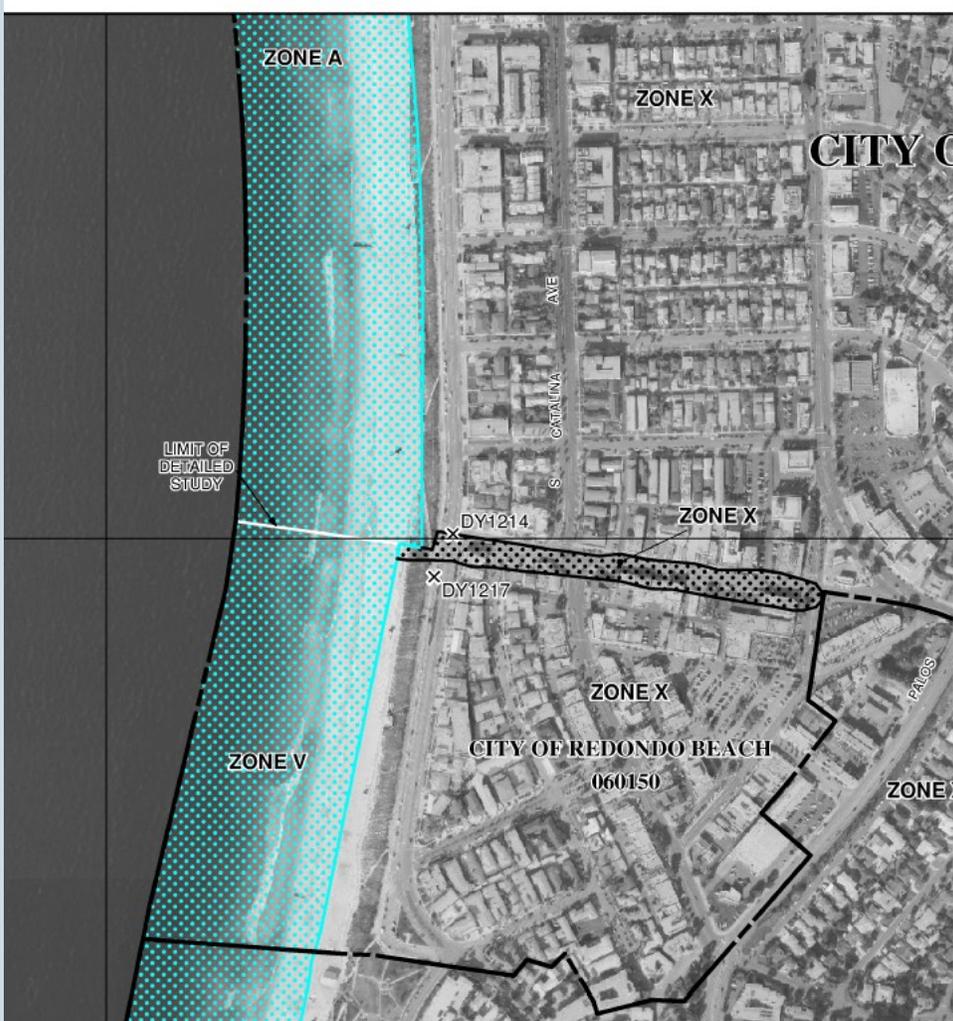


2021 FIRM (06037C1909G) Slide 1 :
Zones VE 23-13, AE 13-8



Flood Hazard Mapping

2008 FIRM (06037C1909F) Slide 3:
Zones V, A & X shaded (no detailed study)



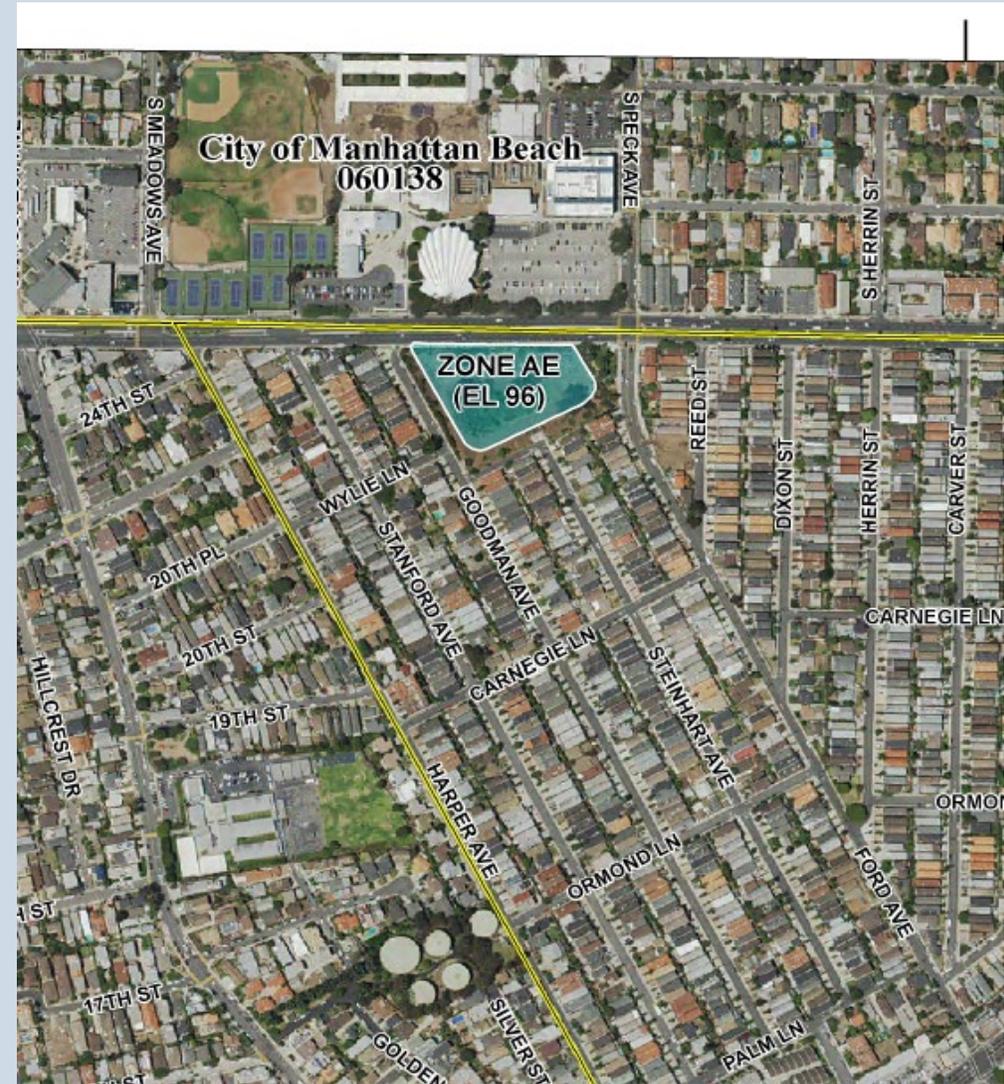
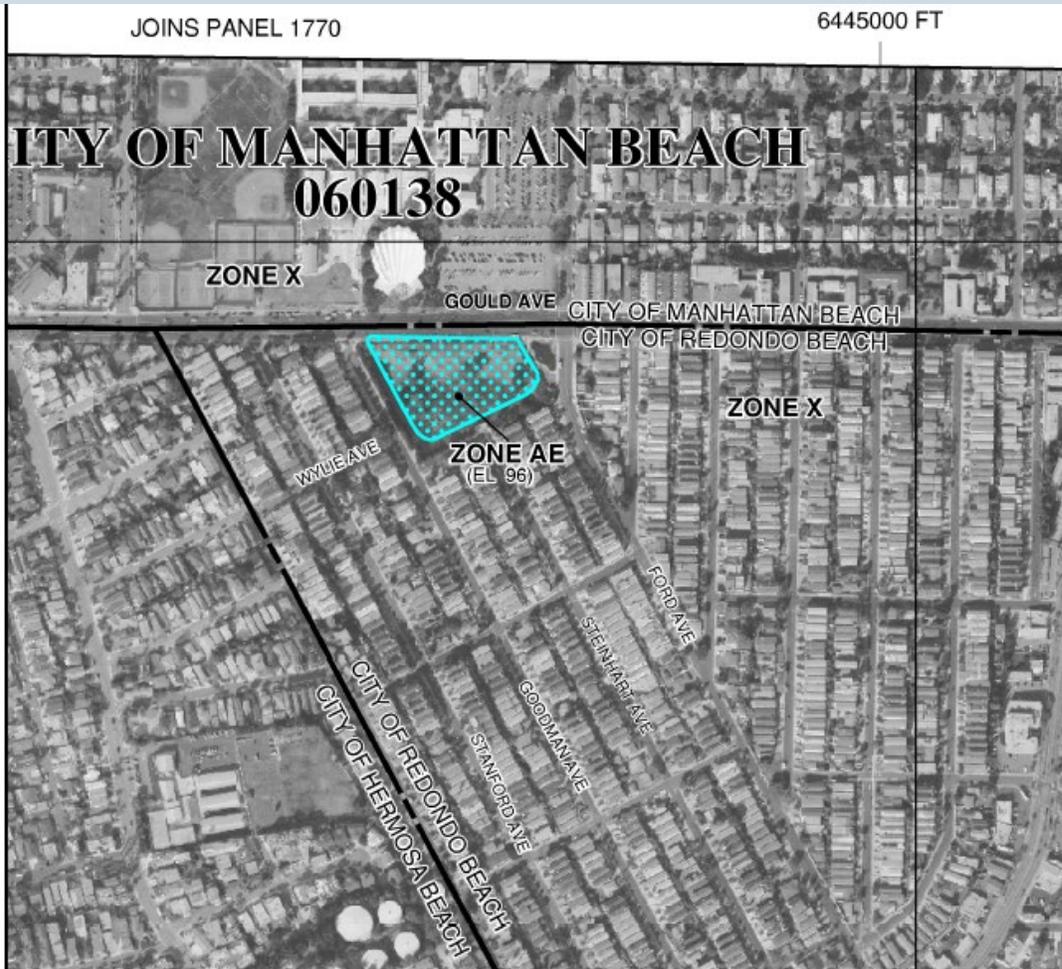
2021 FIRM (06037C1909G) Slide 3 :
Zones VE 20-18, AE 18



Flood Hazard Mapping

2008 FIRM (06037C1907F) :
Zones AE

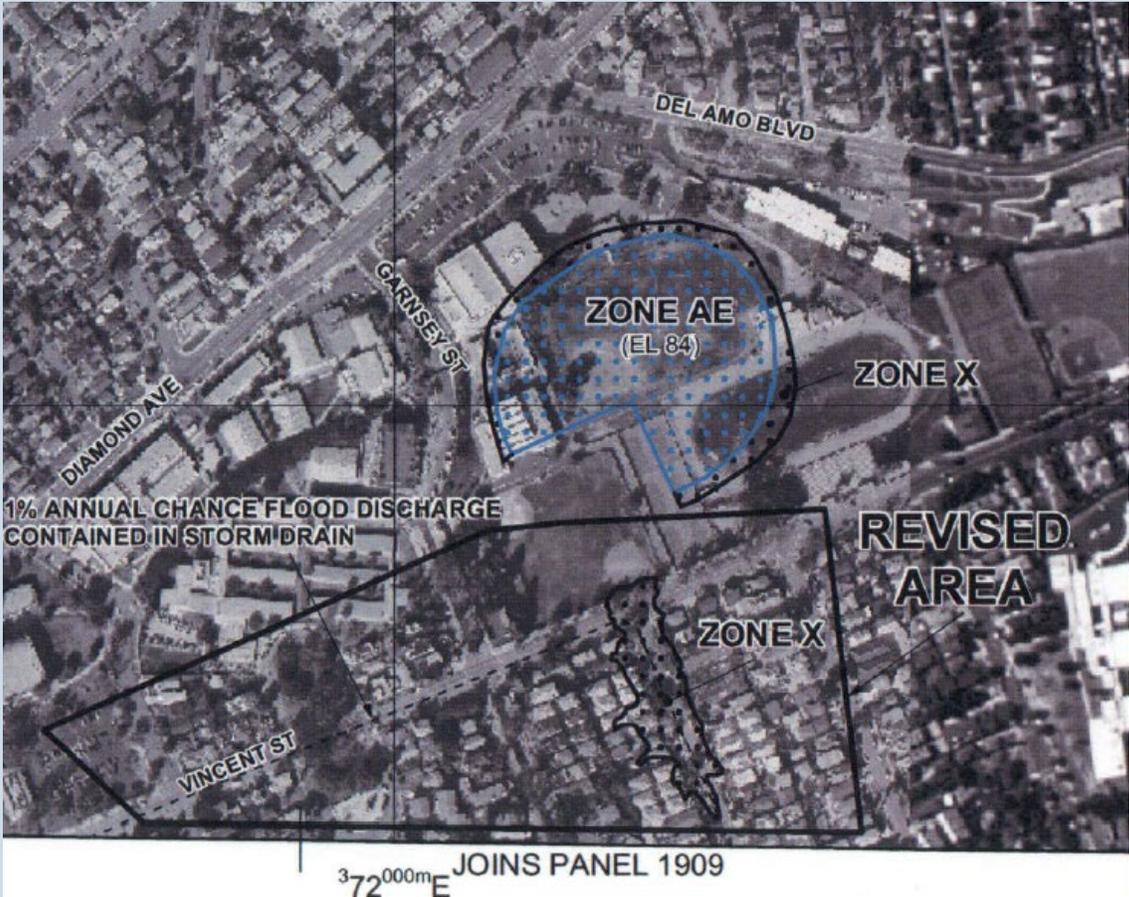
2021 FIRM (06037C1907G) :
Zone AE (No change in elevation)



Flood Hazard Mapping

2008 FIRM (06037C1907F) Revised in 2009 :
Zones AE

2021 FIRM (06037C1907G) :
Zone AE (No change in elevation)

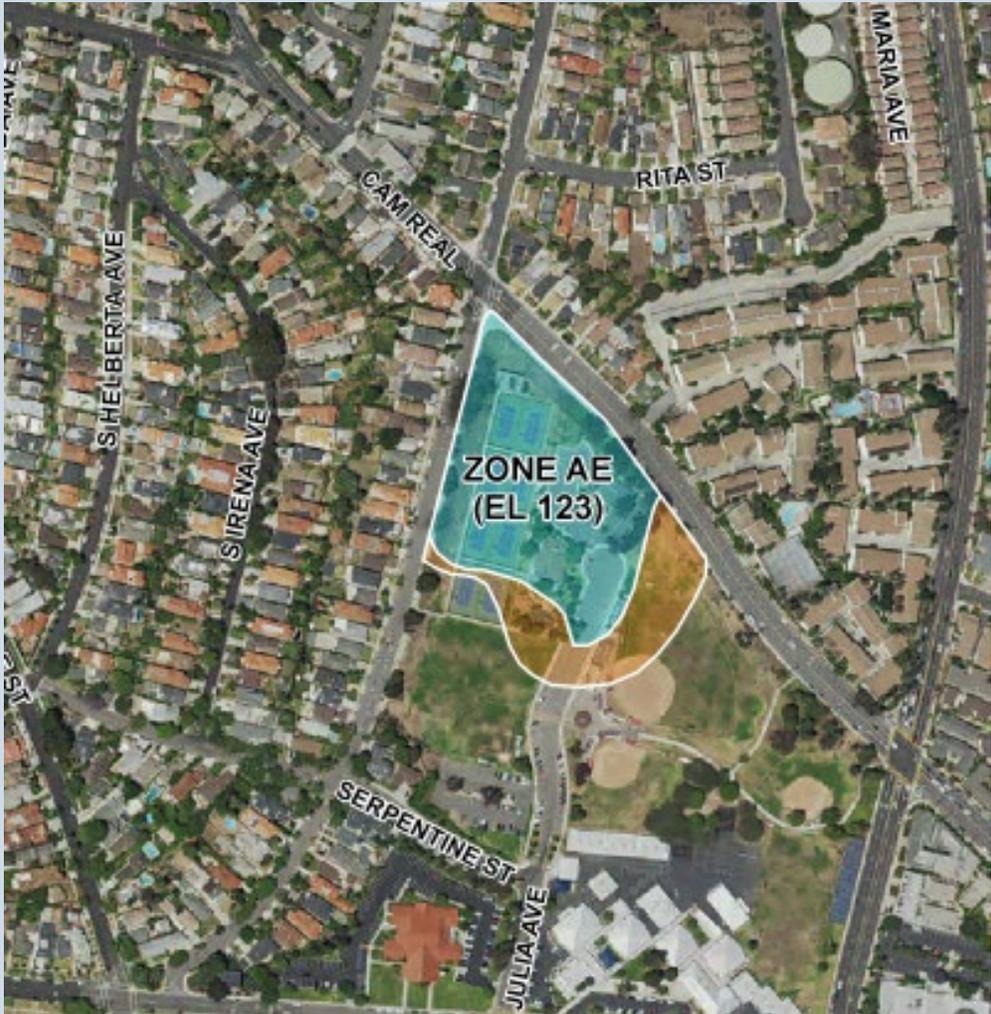


Flood Hazard Mapping

2008 FIRM (06037C1909F) :
Zones AE



2021 FIRM (06037C1909G) :
Zone AE (No change in elevation)



Flood Hazard Mapping

2008 FIRM (06037C1930F) :
Zones AE



No map changes for this panel.

Recommendation for Motion

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AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF
REDONDO BEACH, CALIFORNIA, AMENDING FLOOD
DAMAGE PREVENTION REGULATIONS IN TITLE 9,
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