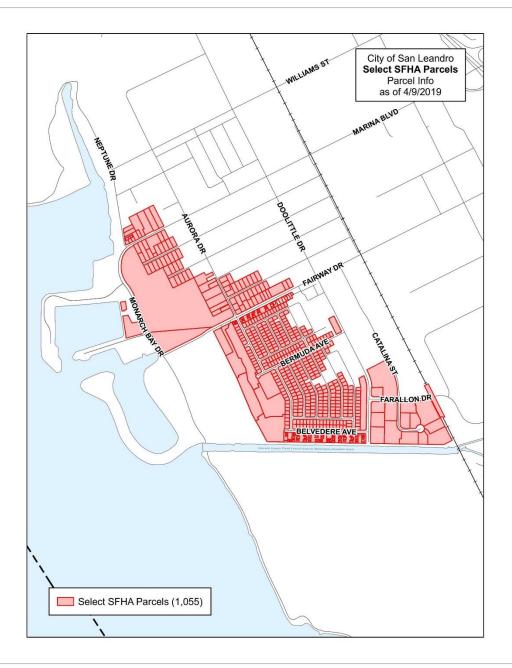
#### Neptune Drive Shoreline Flood Protection Project Presentation

**City Council Facilities Committee September 4, 2019** 

**Properties** Impacted by 2018 **FEMA** maps and the project





# **Project Location**

Location X = City Project

Location Y = Flood Control District Project





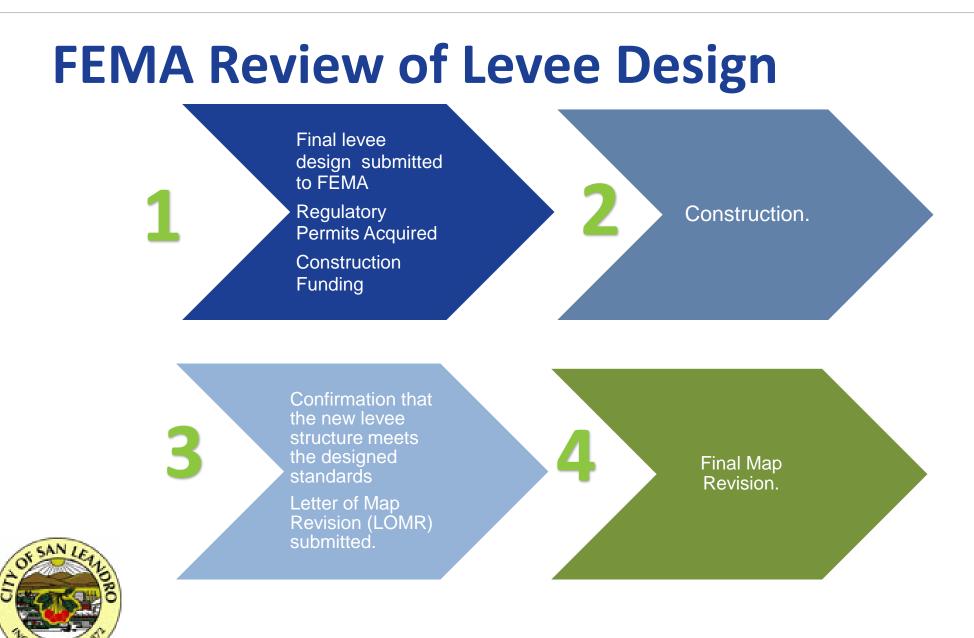
#### **Project Design** 12' WIDE BENCH REMOVE / DISPOSE (E) CONCRETE DEBRIS & - TOP LIMIT OF RSP BERM MATERIAL FG = 14.20' 3:1 MAX FINISHED GRADE ROCK SLOPE PROTECTION 1.5' MINIMUM THICKNESS ON EARTHEN LEVEE 2:1 SLOPE SELECT LEVEE MATCH EXISTING PROTECT (E) RSP OUTSIDE IMPORT MATERIAL - EXISTING GRADE LIMIT OF WORK IN PLACE Ma 4' MIN BENCH MANNAN . GEOTEXTILE FABRIC ON ALL SLOPES RECEIVING 2.5 ROCK SLOPE PROTECTION SHEAR KEY BOTTOM ELEV = 6.9 NOTES SELECT LEVEE MATERIAL PER PROJECT SPECIFICATIONS. 1. EXISTING MATERIAL MAY BE CONDITIONED TO MEET SELECT LEVEE MATERIAL. 2 GEOTEXTILE MATERIAL SHALL BE MIRIFI 500X OR APPROVED EQUAL. 3. ROCK SLOPE PROTECTION SHALL HAVE A MEDIAN WEIGHT, W50 = 338 LBS. 4. NO CONSTRUCTION AND/OR EQUIPMENT PERMITTED BEYOND SILT FENCE. 5. 6. ALL FINISHED SURFACES SHALL BE RESTORED BY HYDROSEED APPLICATION, SEE EROSION CONTROL SHEETS C4.0 & C4.1. EARTHEN LEVEE TYPICAL SECTION 1' n' SCALE: 1" = 2' C2.0 SCALE: 1" = 2"



# **Project Design**







PEDDAT.

# **Project Costs**

Design	\$	386,000
Regulatory & Permits	\$	46,000
Administration (design phase)	\$	160,000
Easement Acquisition (allowance)	\$	500,000
Construction	\$	725,000
Construction Contingency	\$	110,000
Construction Support	\$	60,000
Administration (post construction)	<u>\$</u>	13,000
TOTAL ESIMATED COST	\$2	2,000,000

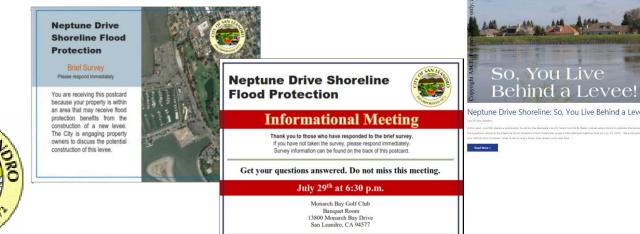


## **Assessment District Outreach**

Project provides a special benefit that is not available to others. Therefore the work can be funded by an assessment district that is approved by the property owners who receive benefit.

Web page with information on the assessment district process and the project: http://sanleandro.org/neptune survey

2 rounds of postcards mailed to all properties impacted by the project.





Text NEPTUNE to 33777: Neptune Drive Shoreline Flood Protection Project



Protection Project

Participation in the Neptune Drive Shoreline Flood



**NBS** 

erty of our source une Drive Shoreline Flood Protection

Neptune Drive Assessment: 7/29/2019 Informationa Meeting Slides



San Leandro: Announcing CivicMic: The Podca

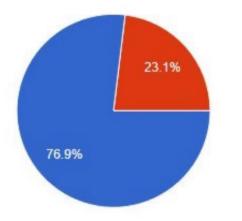


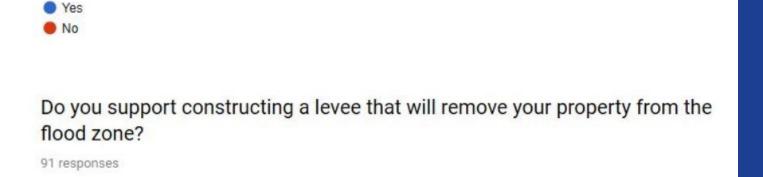
Public Engagement at the Neptune Drive Informational Meeting a Success!

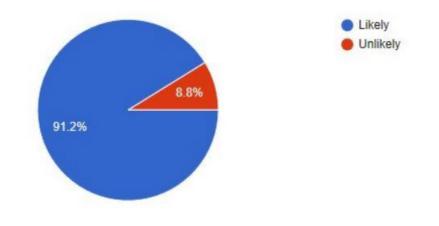
#### **Assessment District Website**

Have you seen an increase in flood insurance premiums?

91 responses









#### **Assessment District Website**

- A Engineer's Report
- B General and Special Benefit
- C Protest ballot proceeding

**Preliminary assessment calculations** 

Lot size & building square footage

All benefitting property assessed



## **Assessment District Payments**

Based on 25 to 30 year bond, annual property owner contributions are estimated as follows:

Detached SFR	Attached SFR	Golf Course
<ul> <li>\$110-\$500, based on size</li> <li>Average \$150</li> </ul>	<ul> <li>\$60-200, based on size</li> <li>Average \$70</li> </ul>	• \$11,600



# **Public Meeting**

Project/District information and Website content presented at a public meeting on 7/29/19.

64 attendees learned about the reasons for the project and their ability to approve of reject funding.

Some attendees asked the City to fund the entire project.





A video of the meeting is available, a link is on the website and printed below. <u>https://www.youtube.com/watch?v=X3cq1AwDgFc&feature=youtu.be</u>

#### **Next Steps**

Continue to publish information on the project website.

Mail additional postcards to residents directing them to the website.

Develop Engineers report with cost share per parcel.

Conduct a vote on formation of the district.

# **Questions and Comments**

