

Marina Lagoon Ad-Hoc Committee



Update on Marina Lagoon and
Stormwater Management
Activities

November 18, 2025
6:00pm to 7:30pm

Agenda

- Marina Lagoon Spot Dredging
- Marina Lagoon Pump Station Physical Modeling Study
- Storm Drain Master Plan Update
- Wet Weather Preparation
- Congressional Funding
- Q&A

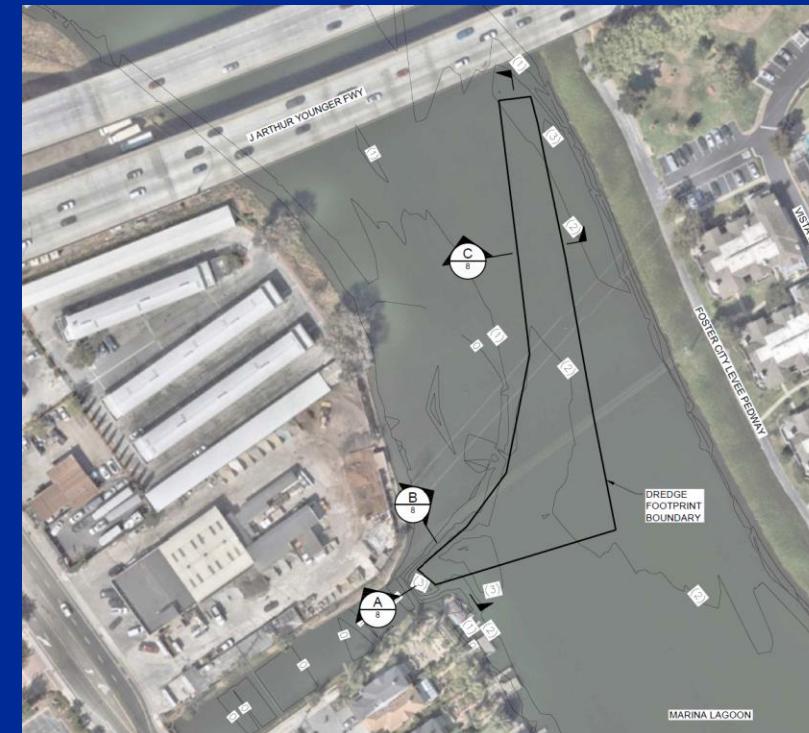
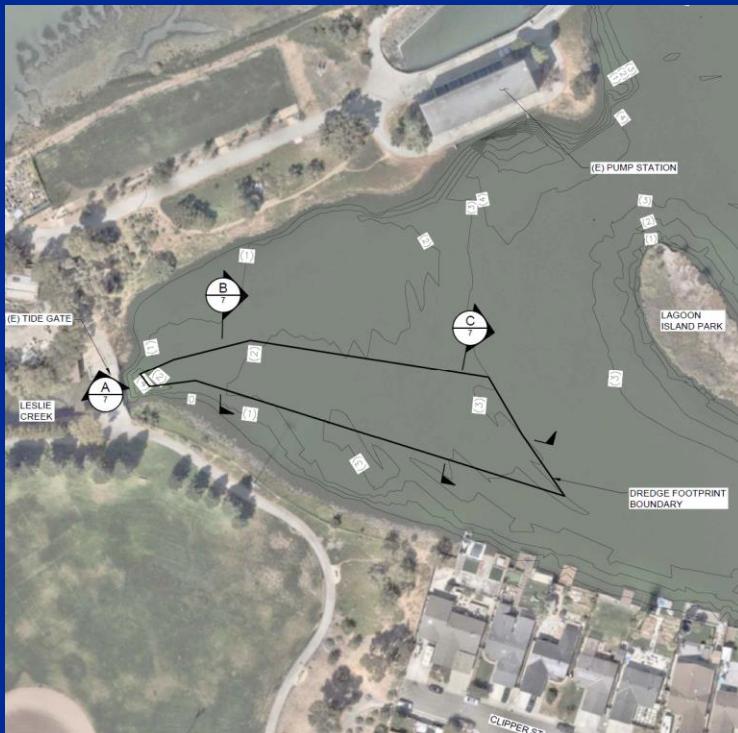
Marina Lagoon Spot Dredging

Background

- Spot dredging of up to 2,000 cubic yards at 3 locations approved by regulatory agencies
- Consultant agreement for design executed in April 2024
- During design development, following challenges addressed:
 - Analyzing sediment elevations
 - Identifying staging location for offhaul
 - Obtaining multi-agency permit specific to sediment analysis and disposal

Marina Lagoon Spot Dredging

- Recap: Leslie Creek and Borel Creek confluences selected for spot dredging



Marina Lagoon Spot Dredging

Work accomplished this year:

- All applicable permits obtained in 2025.
- City completed design and advertised the project for bids on June 3, 2025.
- City received a single bid of \$1,509,500 on June 25, 2025 for spot dredging.
- Engineer's Estimate for construction was \$1,150,000.
- City Council approved rejecting the bid while allowing for negotiation with the sole bidder.

Marina Lagoon Spot Dredging

Construction Impacts:

- Anchor Road Parcel to be utilized as a temporary staging area for sediment to dry out for approximately 8 weeks prior to offhaul
- Contractor required to place liner prior to placing sediment
- Pedestrian access will be temporarily re-routed to maintain connectivity at north end of Lagoon
- City will require recreational vessels to maintain a 60-foot minimum clearance from dredging equipment and receiving permission from dredge crew prior to passing



Marina Lagoon Spot Dredging

- During negotiation, City and Contractor explored
 - Reducing dredged volume
 - Utilizing alternative barges
 - Disposal at a beneficial reuse site instead of a landfill
- City will re-bid the project in Q1 2026 in an effort to receive additional bids and potentially more competitive pricing
- Project likely to commence between April and June 2026

Marina Lagoon Spot Dredging



Marina Lagoon Pump Station

Pump Station Facts

- Nearing 40 years of service
- Cannot safely draw down water elevation below Elev. 95

Alternatives Analyzed

- **Physical Hydraulic Modeling Study** ← **Selected Alternative**
- Replace one pump with smaller unit
- New low-flow pump station
- Temporary Rental Pumps Pump Station

Physical Hydraulic Modeling Study

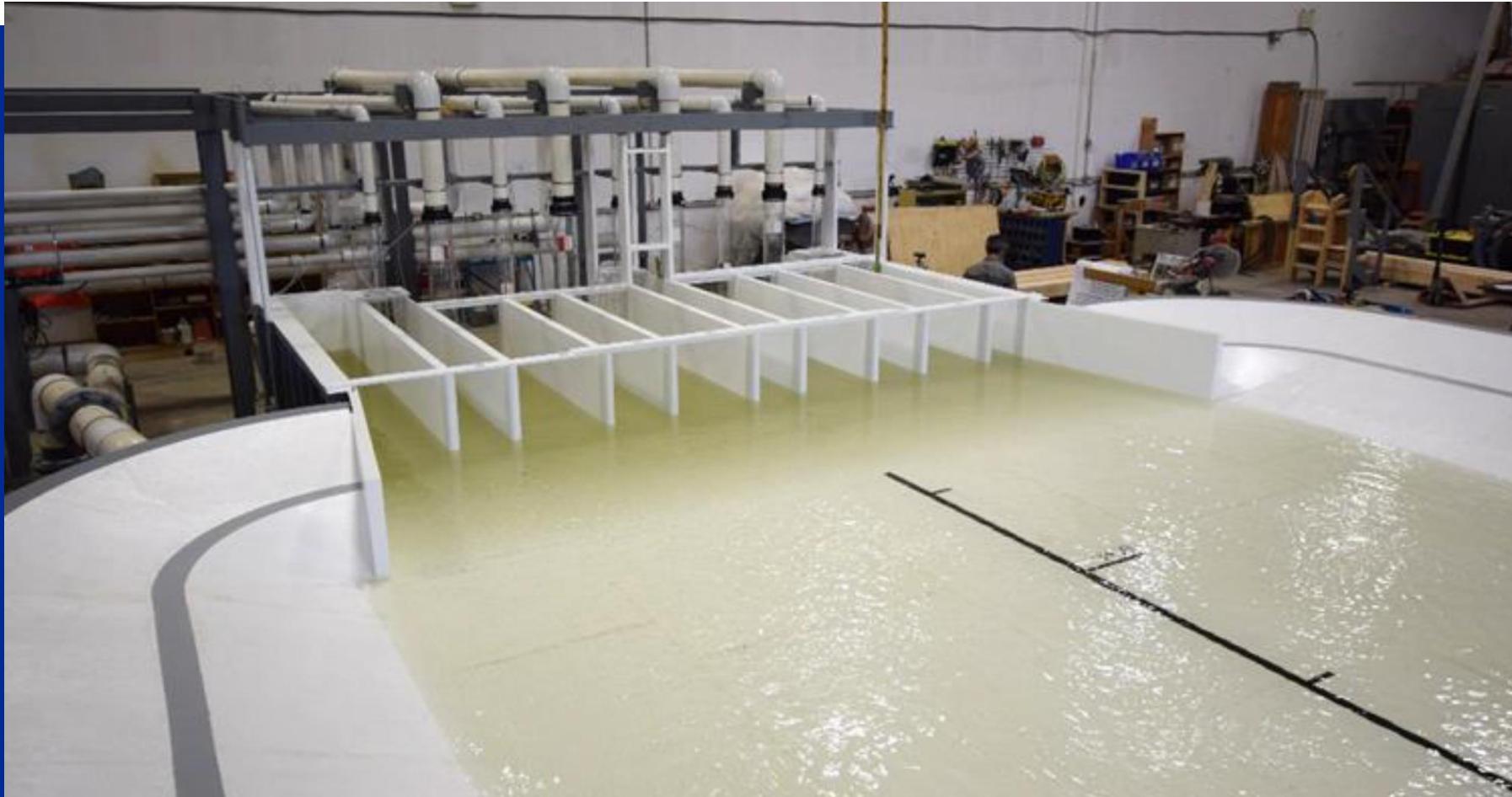
- Physical model of pump station hydraulics
- Benefits all operational conditions of pumps, not just low-level pumping
- Likely additional improvements required after study complete



Marina Lagoon Pump Station

- City received two proposals to perform the Physical Hydraulic Modeling Study.
- Staff will be asking City Council to approve an agreement with one of the two proposers.
- City anticipates receiving recommendations by July 2026.

Marina Lagoon Pump Station



Marina Lagoon Pump Station



Marina Lagoon Pump Station

Storm Master Plan Initial Findings

- Equipment is beyond useful life expectancy and in need of replacement
- Mechanical upgrades and SCADA system upgrades will be needed
- Pumping Capacity is sufficient under existing conditions (5 pumps)
- Climate Change will require additional capacity in 2050 and 2100 models

Storm Drain Master Plan Update

Background

- Condition Assessment of existing storm drain infrastructure complete
- City-wide hydraulic model complete
- Future capital improvement projects being analyzed

Next Steps

- Present findings to Sustainability and Infrastructure Commission (SIC)
- Incorporate comments from SIC into the Draft Storm Drain Master Plan Update report
- Present Draft Storm Drain Master Plan Update report to City Council

Storm Drain Master Plan Update



Storm Drain Mapping

Community Input

- Provide data points
 - Testimonies
 - Photos/Video
- Validate model results
- Identify new flooding
- Identify potential maintenance issues

Flooding Type

Roadway (water contained in roadway)
 Sidewalk (water overtopping curb onto sidewalk)
 Yard or property (water extends to front lawn)
 Building/Structure (water touching the building)
 Other

If other, provide description:

0/256

Additional Information

0/255

Event Date

MM/DD/YYYY

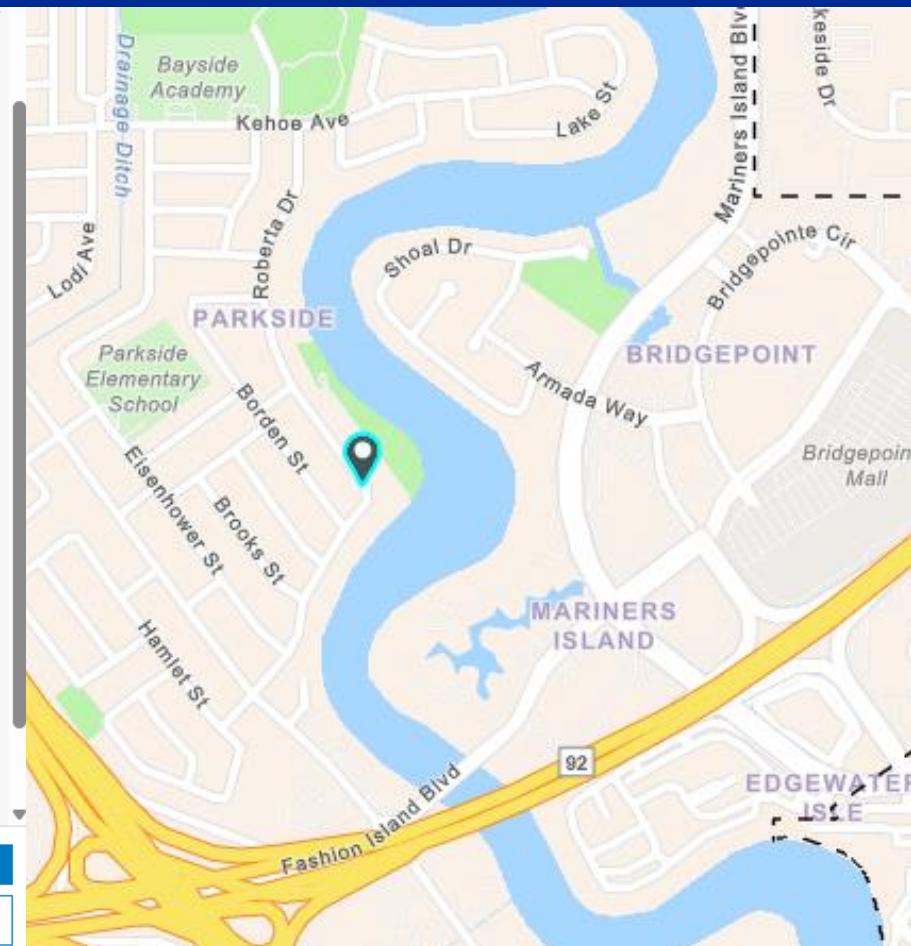
Date of Rain Event or Photos/Video: This allows City Staff to coordinate data to corresponding rainfall events

No attachments

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Storm Drain Master Plan Update

Tentative Schedule

Important Milestone Dates

- January 2026: SIC Commission and City Council Meeting
- Feb – June 2026: Public Review Period
- June 2026: Proposed Plan Adoption

	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	Jun-26	2027+
Master Plan Development								
Public Review Period								
Funding Plan Development								
Capital Project Implementation								

Wet Weather Preparation

Summary of Activities

- Inspection and cleaning of all City-owned trash capture devices (TCDs) & trash racks is completed annually
- 39th/40th Ave concrete channel cleaning
- RFP completed for Citywide Creek Maintenance Permit
- Sand bag stations deployed
- Equipment available for storm response and traffic control in case of flooding
- Wet weather update coming to City Council 12/15

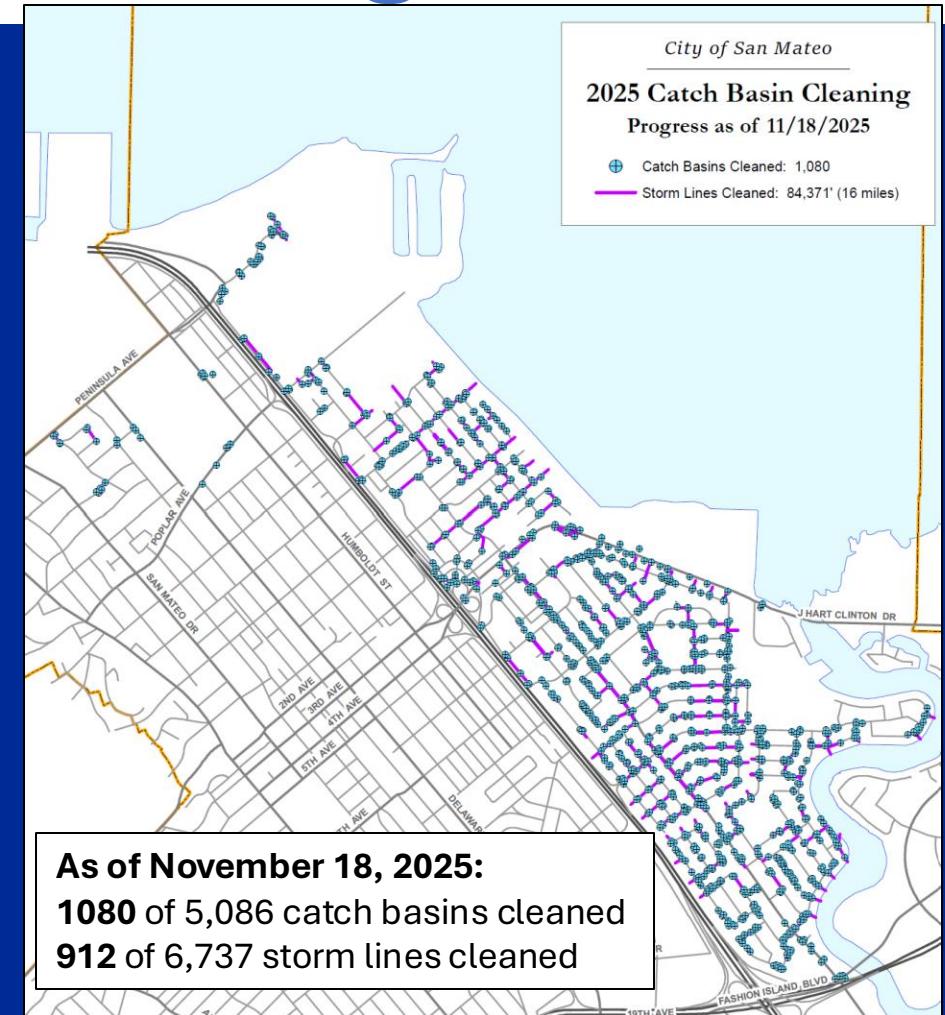
Wet Weather Preparation: Remote Flood Monitoring Cameras



Wet Weather Preparation: Catch Basin Cleaning

Summary of Activities

- Two full-time staff hired to perform storm system maintenance
- PW observed improved performance of SD infrastructure after last season's catch basin cleaning effort
- This year, both catch basins and pipes are being cleaned, moving downstream (east) to upstream (west)



Congressional Funding

Current Status

- City of San Mateo currently has authorization in the 2024 Water Resources Development Act.
- Appropriation requests submitted through Senator Padilla and Representative Mullin, appropriations were not approved. City will continue applying for appropriation requests.

Thank You

Questions?