



Study Session and Draft Environmental Impact Report for the Underground Flow Equalization System

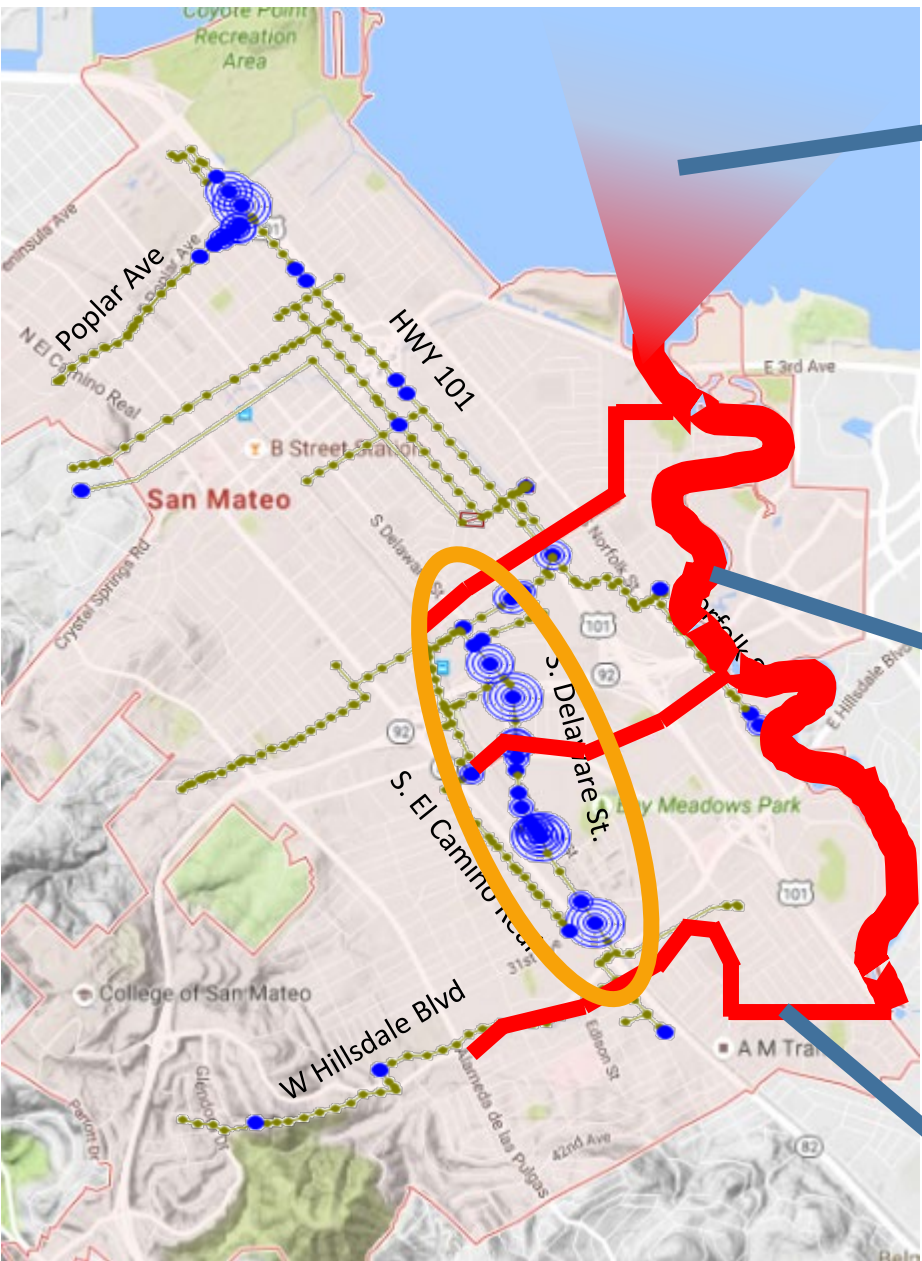
2495 Delaware St. SUP, PA2018-010

Planning Commission, April 9, 2019

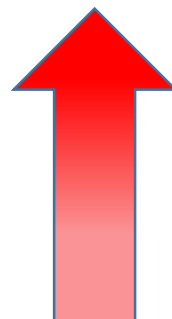
Agenda

- General Clean Water Program Overview
- Underground Flow Equalization System (UFES) Update
- CEQA & Special Use Permit Process Overview
- Resource Areas Addressed in Draft Environmental Impact Report
- Questions on the Project through/from Planning Commission
- Formal Comments on the Draft Environmental Impact Report (EIR)

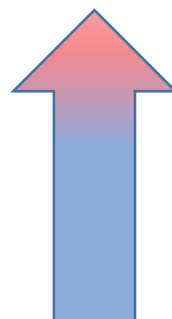
Sewer Overflow Impacts & Regulatory Violations



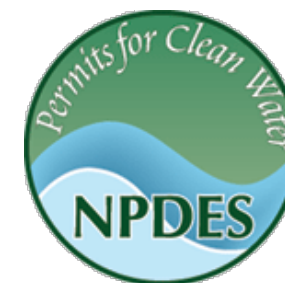
SF BAY



LAGOON
& BEACHES



CREEKS



Clean Water Program Goals



Replace aging infrastructure and facilities



Build wet weather sewer system capacity assurance to prevent overflows

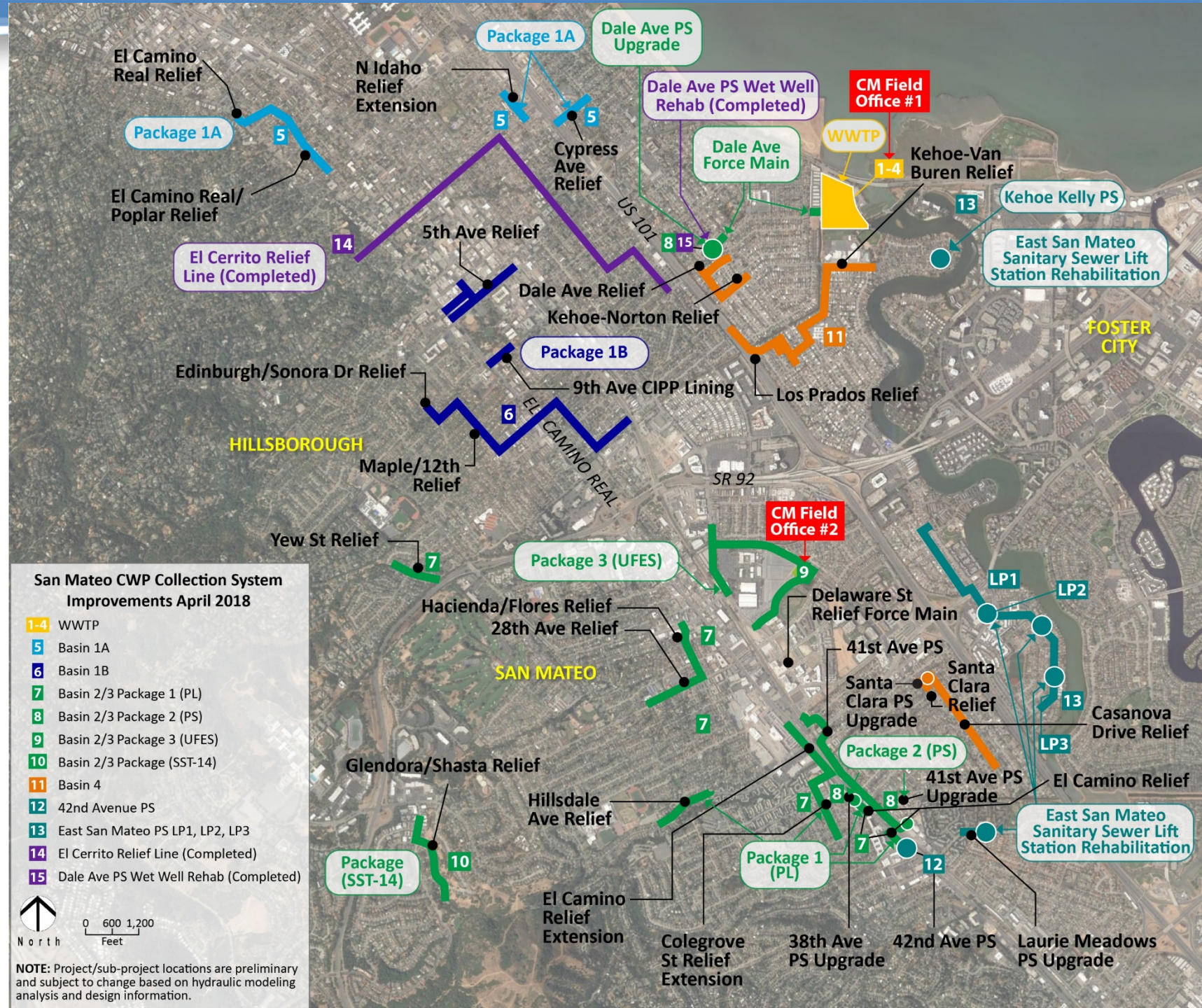


Meet current and future regulatory requirements



Align with the City of San Mateo and Foster City's sustainability goals

Clean Water Program





**Sanitary Sewer Overflow (SSO)
at Saratoga Dr & Delaware St**

Why Is the UFES Project Needed?

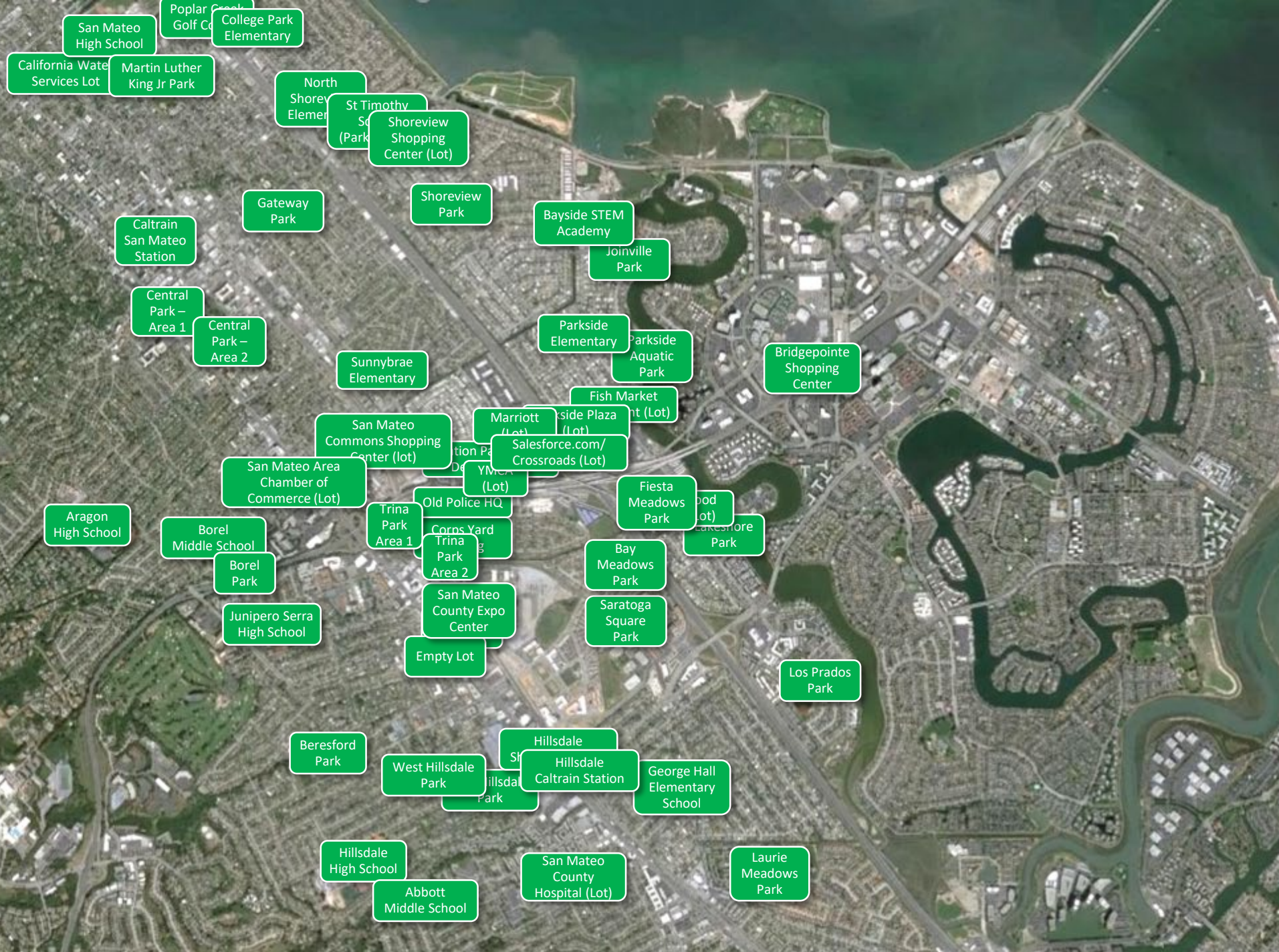
- Meet Cease & Desist Order requiring prevention of SSOs
- Provide System Capacity and Optimize Collection System Performance
- Improve safety and reliability of the system and reduce discharges of raw sewage in San Mateo and the Bay.
- Reduces the size of the Wastewater Treatment Plant Upgrade & Expansion

Site Selection Process

55 Sites Identified in PEIR

Site Selection Process

55 Sites Identified in PEIR



Site Evaluation Criteria & Selection Process

PEIR Full List

Space

- Municipal property
- Schools
- Undeveloped property
- Private property
- No existing residential, state, or federal property included
- Proximity
- Storage Capacity

55

PEIR Short List

Beneficial Impacts

- Provide regional impact (not just localized benefits)
- Could Lessen Size, Scope, or Cost of Multiple Projects
- Stores more than 1 MG
- Where historical and simulated SSOs would be relieved

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Design Team

Technical

- Hydraulics
- Constructability
- Right-of-Way
- Contractor Laydown
- Parking
- Storage Capacity
- Soil & Groundwater

6

Public Input + Design Team

Alternatives Analysis

- Economic
- Environmental
- Technical
- Social

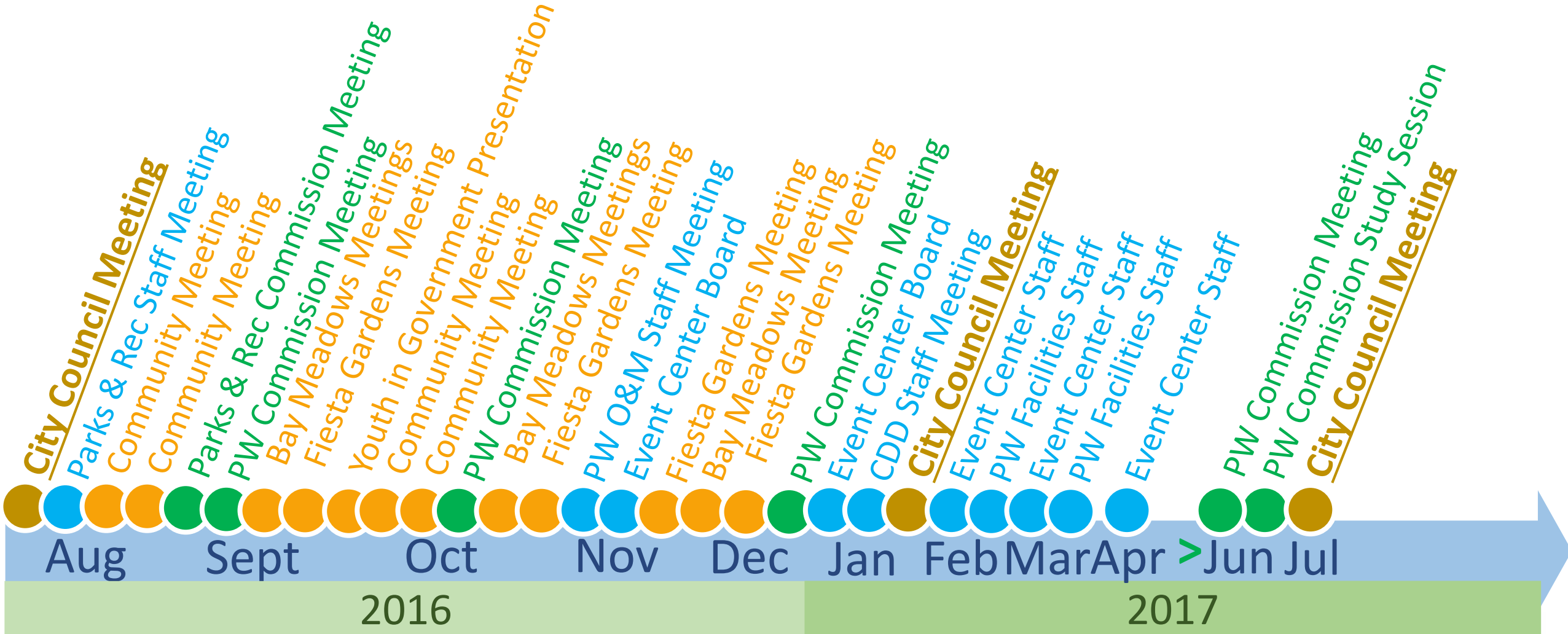
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City Council

Final Selection

1

Outreach Activities and Stakeholder Involvement for Location Selection

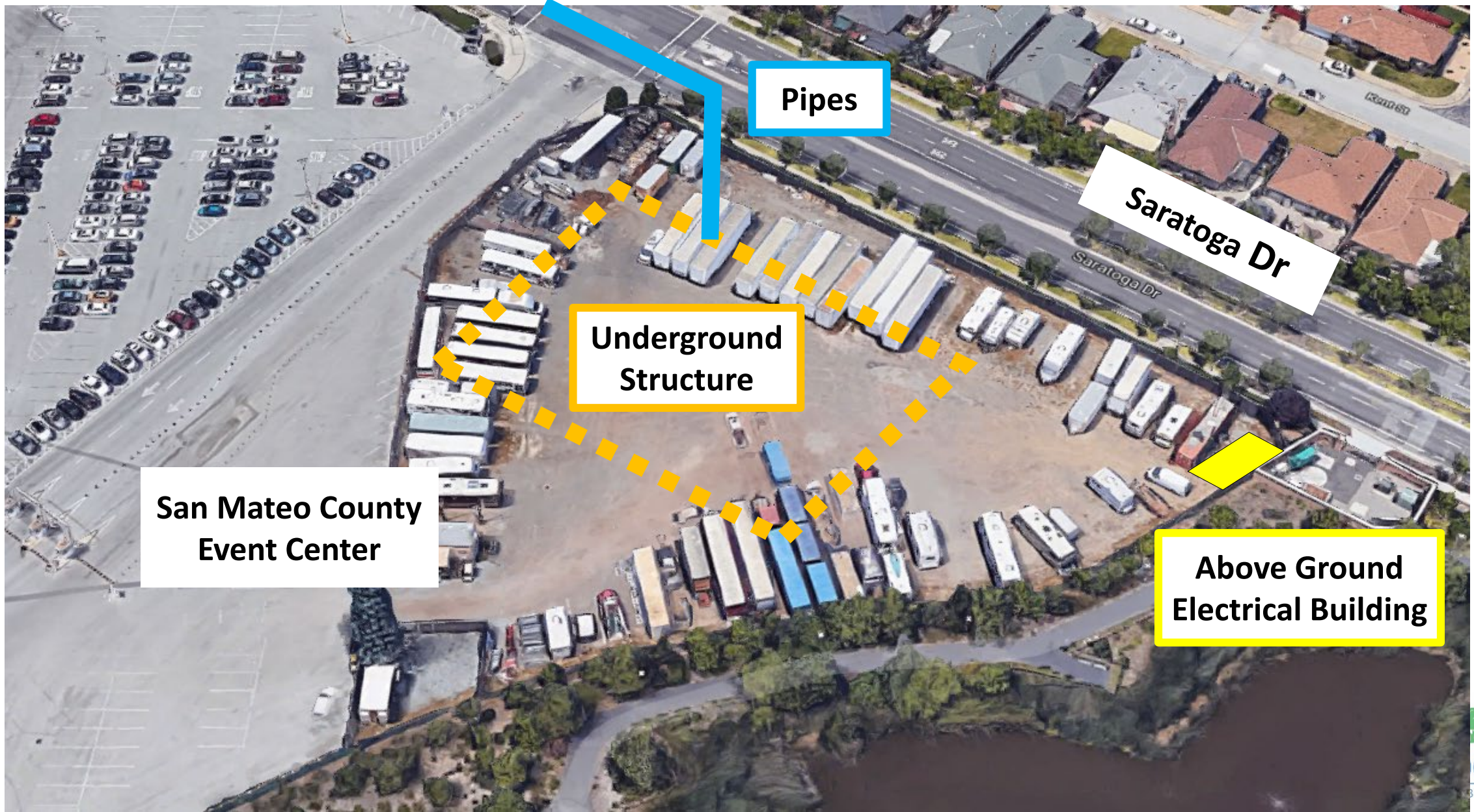


City Council Selected Site & Project Features

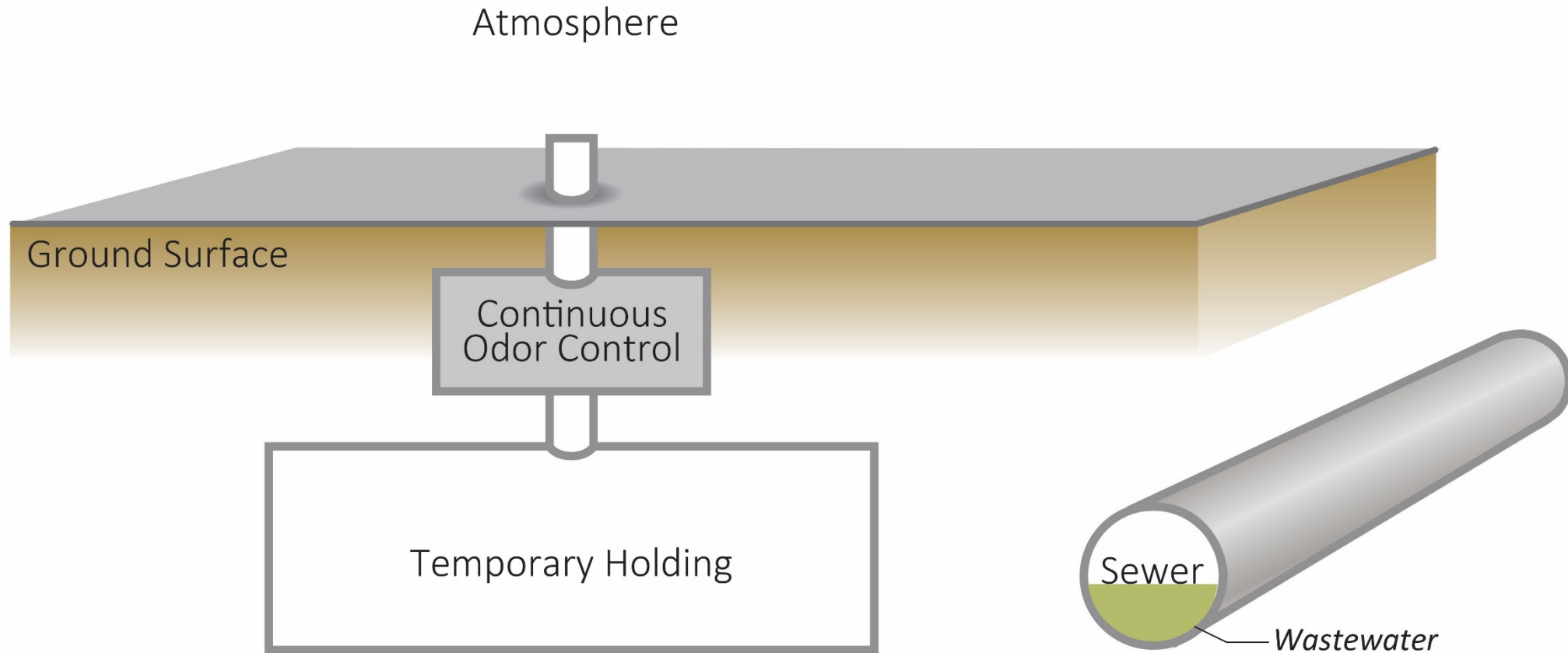
- Event Center, east corner
- Approximate 5.3 million gallon underground temporary holding structure
- New diversion sewer pipelines and force main
- Above-ground electrical building
- Continuous odor control facilities



City Council Selected Site & Project Features

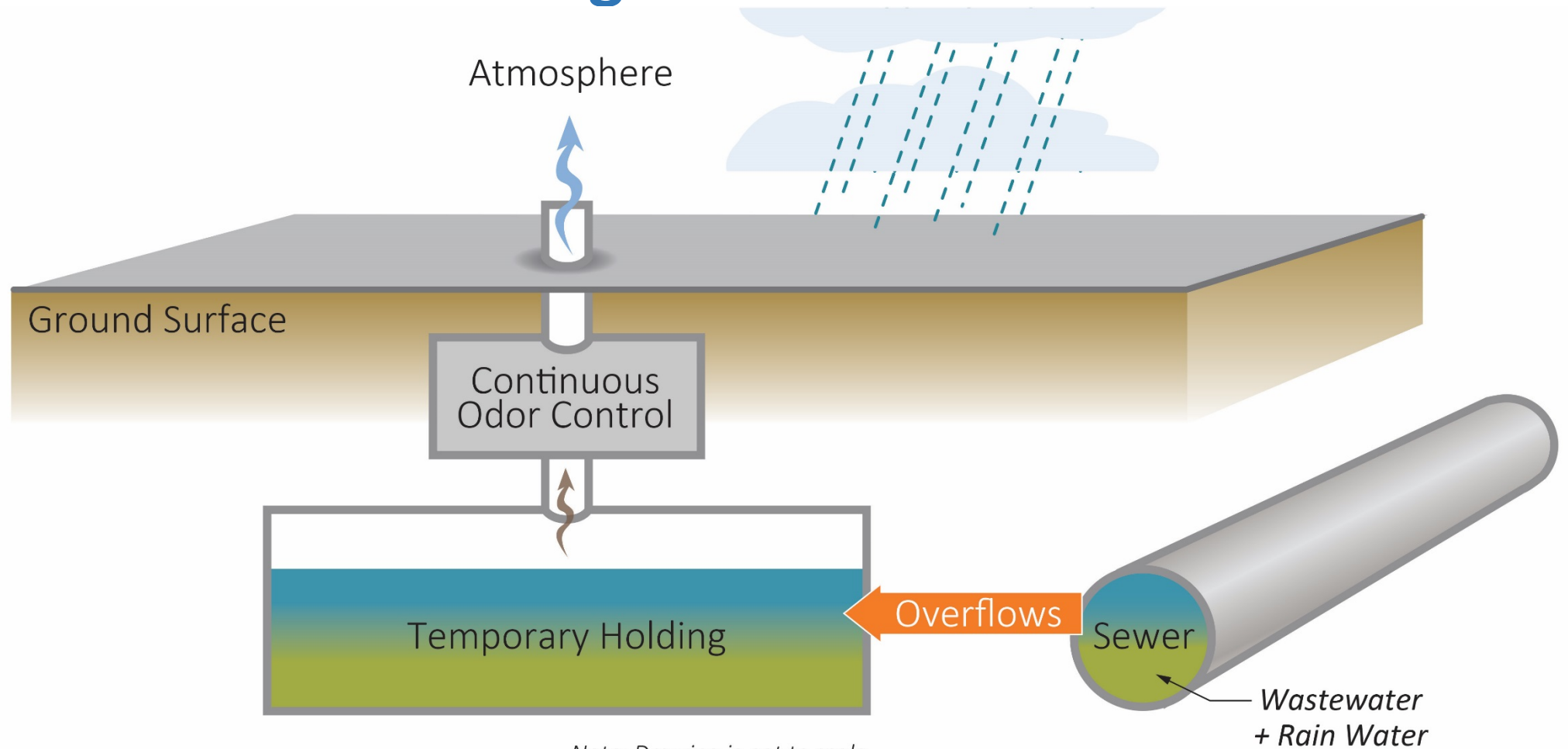


How it Works: During Normal Conditions



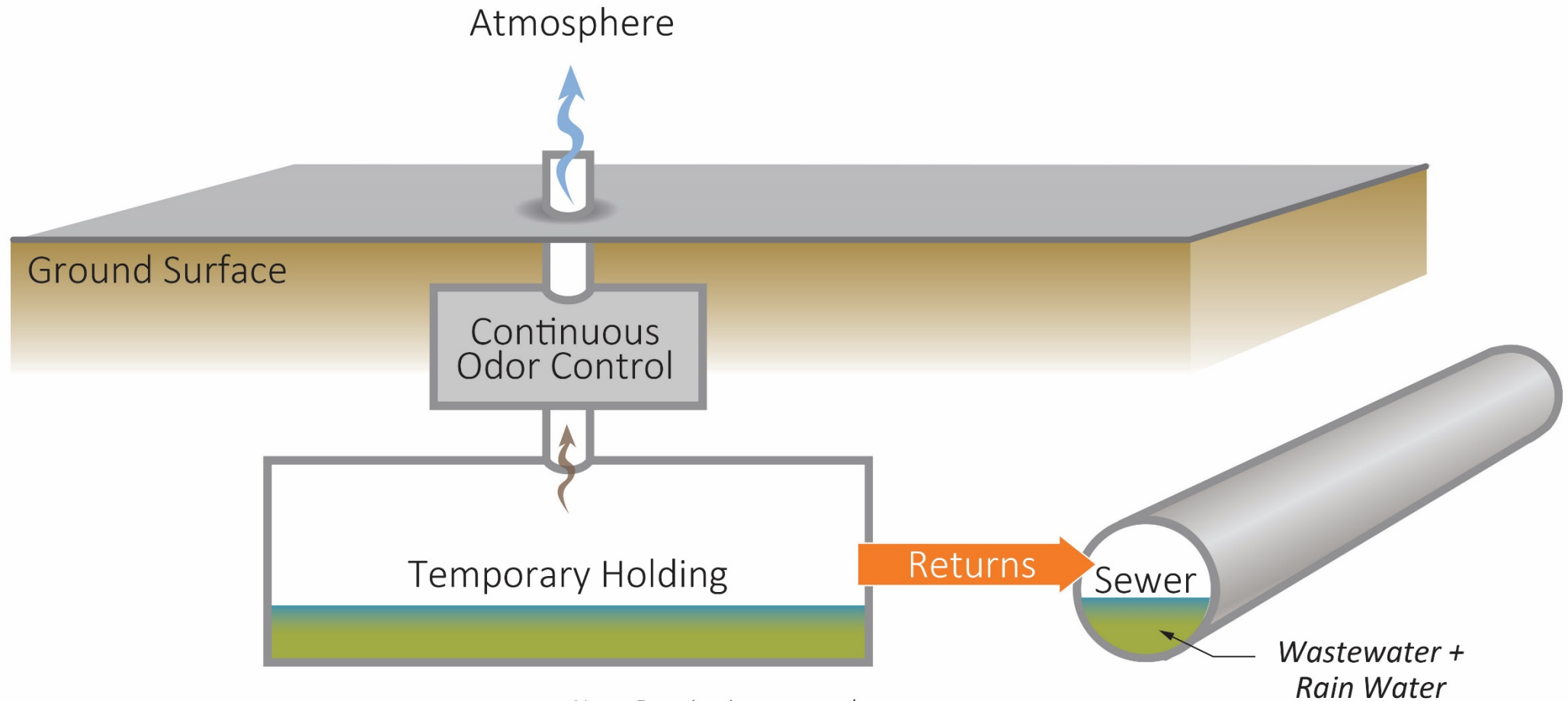
Note: Drawing is not to scale

How it Works: During Heavy Rains (Peak Wet Weather) or During Maintenance



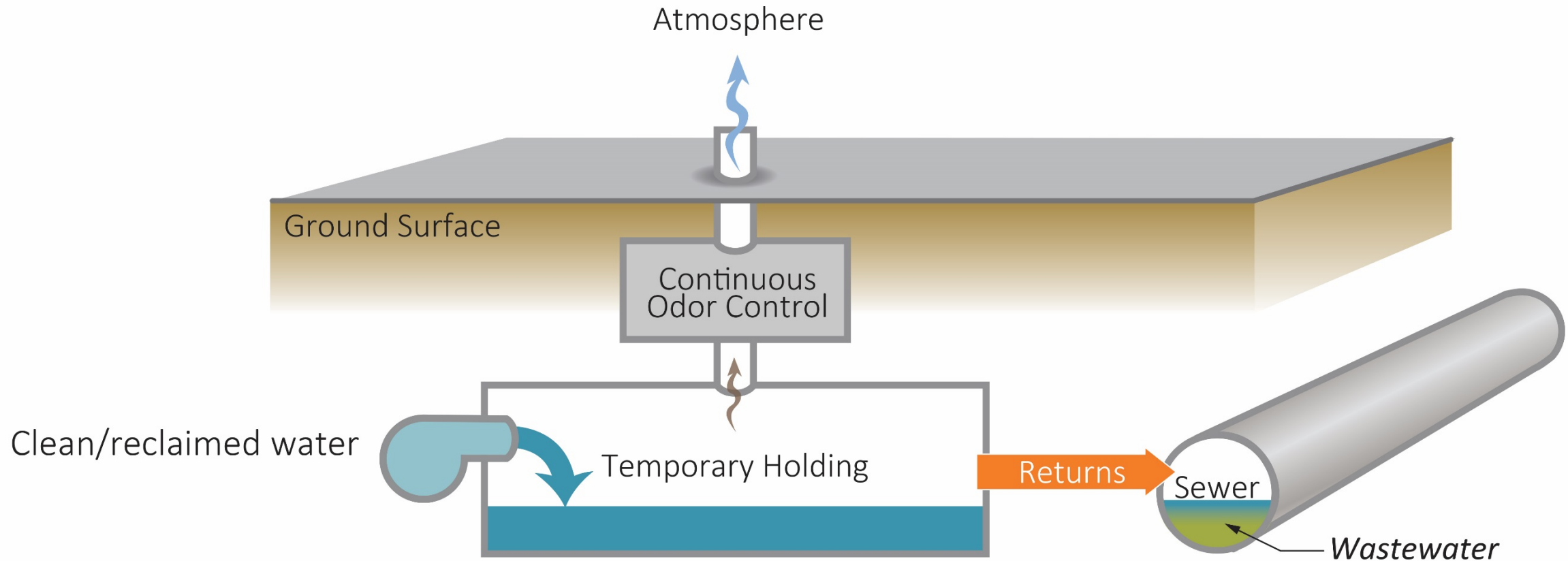
Note: Drawing is not to scale

How it Works: After Heavy Rains or Maintenance Diversion



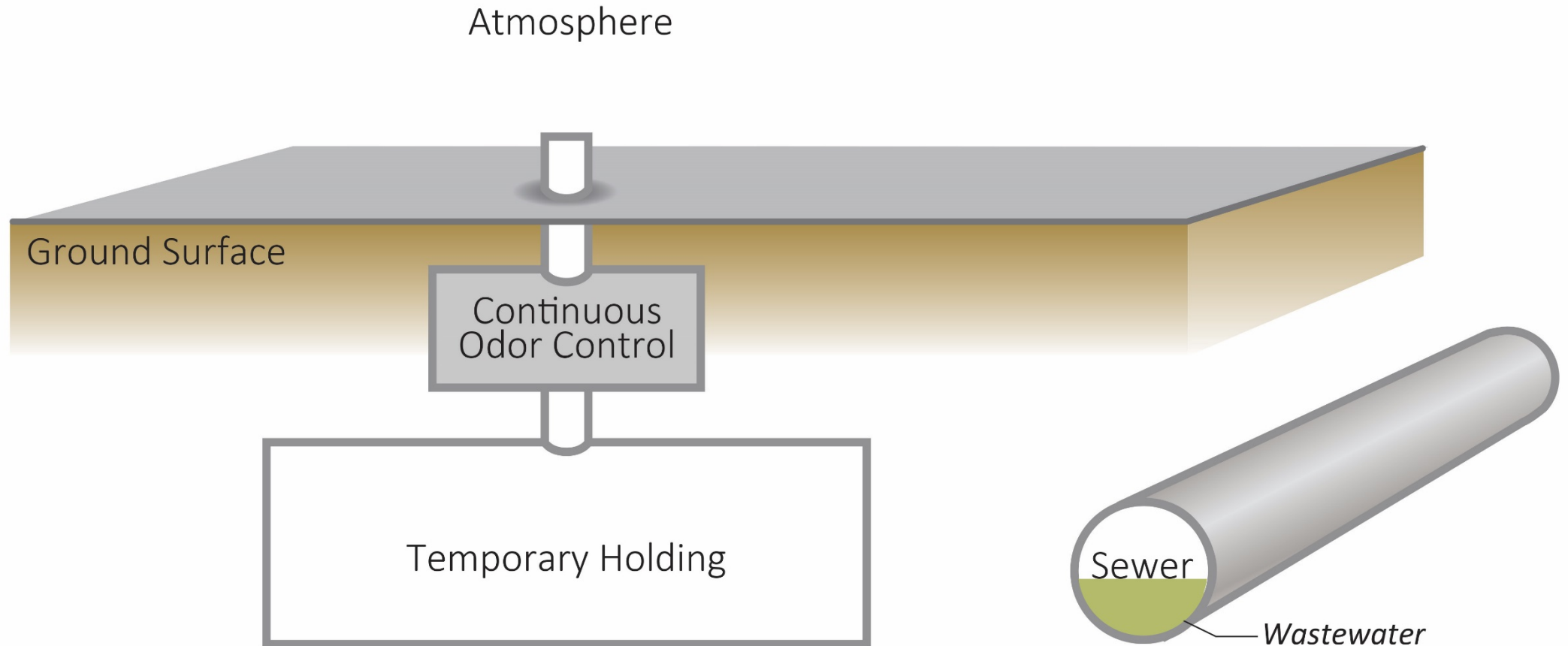
Note: Drawing is not to scale

How it Works: Self-Cleaning After Any Use



Note: Drawing is not to scale

How it Works: Back to Normal Conditions After Cleaning



Note: Drawing is not to scale

What to Expect: Examples of Visible Features



Example of ground-level
air-tight vault access hatch

Example of masonry
wall material for
electrical building



Sewer Pipe Construction



Summary of Draft EIR Contents

- Executive Summary
 - Summary of Impacts & Mitigation Measures*
- Introduction (Background & Objectives)
- Description of Project
 - Project components*
 - Maintenance*
 - Construction*
- Environmental Resource Areas Addressed
- Alternatives

Environmental Resource Areas Addressed in Draft EIR

- Aesthetics
- Air Quality
- Biological Resources
- Cultural and Tribal Resources
- Geology and Soils
- Greenhouse Gases
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use
- Noise*
- Population and Housing
- Public Services
- Recreation
- Transportation/Traffic
- Utilities

* Indicates significant unavoidable impacts

Odor Control



Air Tight Vaults



Carbon Odor Scrubber



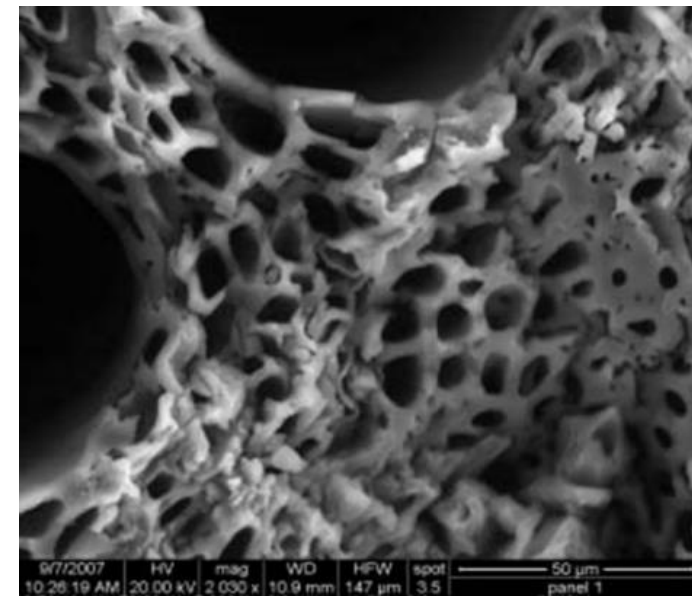
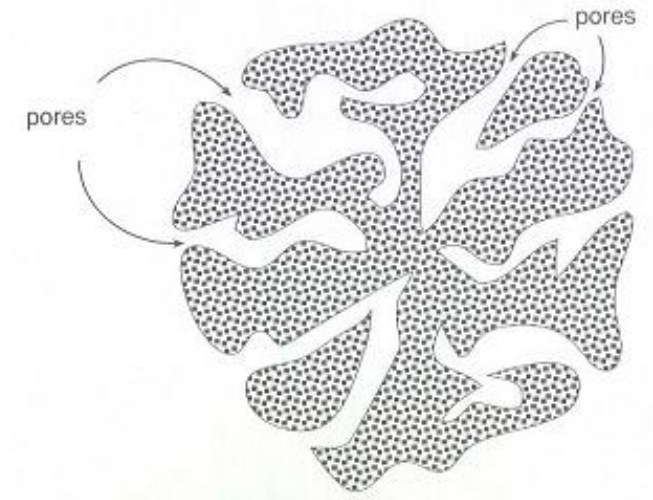
Flushing Curbs



Self Cleaning Tipping Buckets

Odor Control

- Highly efficient technology: carbon odor scrubbers
- Large pore surface area adsorbs large mass of odors
- 3 grams has surface of a football field!





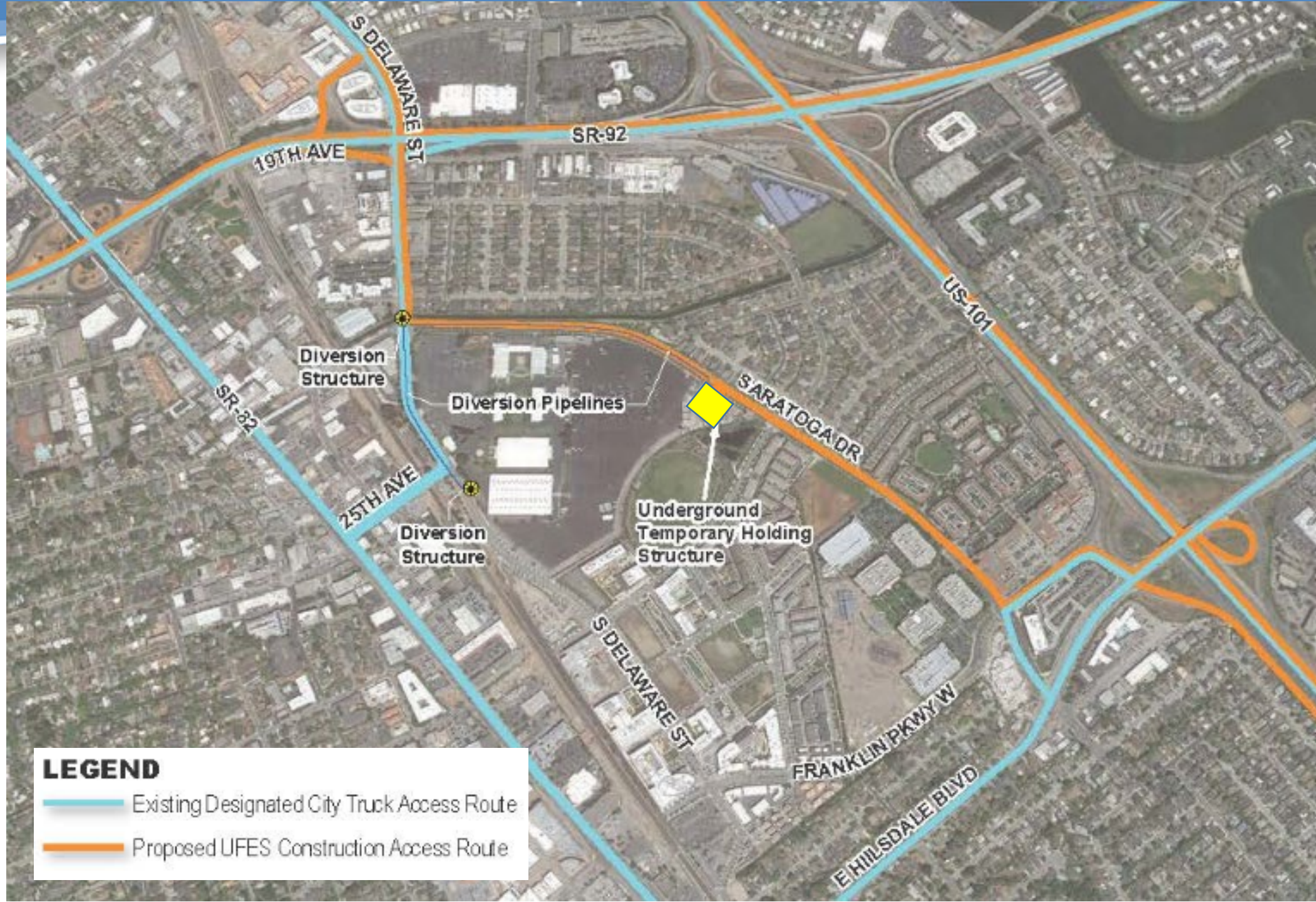


Traffic Impacts & Management Plan

- Vehicle Types: heavy trucks, other construction trucks, worker vehicles
- Similar to commercial construction in Bay Meadows and Hillsdale Mall
- Traffic Management Plan will be implemented
 - Schedule deliveries to avoid peak traffic hours
 - Minimize closures and disruptions of traffic lanes
 - Coordinate with emergency responders
 - Maintain access to adjacent properties, transit, pedestrian, and bicycles



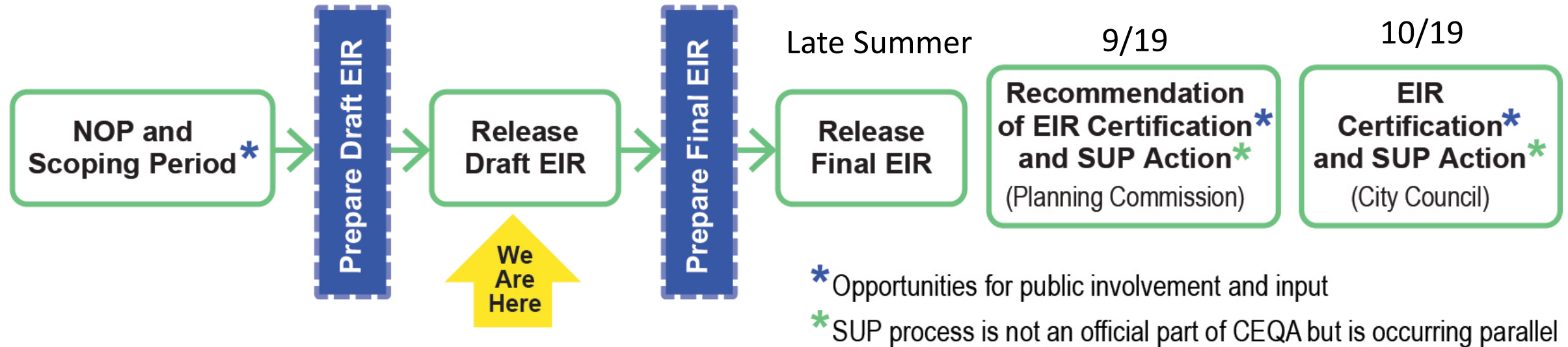
Access Routes



Geology and Soils Management

- Completed geotechnical investigations
- Currently monitoring to establish baseline groundwater levels
- Implement mitigation measures to prevent settlement
- Continuous monitor to ensure mitigations measures are effective
- Implementing seismic design criteria

CEQA & Special Use Permit Process, Anticipated Timeline, and Public Input Opportunities



CEQA = California Environmental Quality Act

NOP = Notice of Preparation

EIR = Environmental Impact Report

SUP = Special Use Permit

CEQA Requirement: Analyze & publicly disclose environmental impacts of proposed projects & adopt all feasible measures to mitigate those impacts.

Next Steps

Questions on the Project through/from Planning Commission

Provide Formal Comments on Draft EIR (Instructions Below)

- Provide verbal comments tonight
- Provide written comment on comment card tonight
- E-mail comments by **May 7, 2019** to:
info@CleanWaterProgramSanMateo.org
- Take comment card home and mail it by **May 7, 2019** to:
*City of San Mateo
Clean Water Program
330 W. 20th Avenue
San Mateo, CA 94403*

Thank You for Your Time



Sign Up for Email Updates

info@cleanwaterprogramsanmateo.org

Call the Clean Water Program

650-727-6870

Visit the UFES Project Website

www.CleanWaterProgramSanMateo.org/UFES

Follow the City's Social Media



www.CleanWaterProgramSanMateo.org

