



# **Public Works Commission Meeting**

## **Underground Storage Facility**

### **Potential Impacts & Conceptual Mitigation Measures**

**Wednesday, July 12, 2017**

## Tonight's Presentation

- Background
- Typical Construction Activities and Best Practices for Minimizing Impacts
- Operation and Maintenance Activities
- PW Commission Q&A

# Storage Site Evaluation Criteria & Selection Process

## PEIR Full List

Space  
55 Sites

## PEIR Short List

Beneficial Impacts  
12 Sites

## Design Team

Technical  
5 Sites

## Public Input + Design Team +

PWC + CC

Alternatives Analysis

2 Sites

**Corporation Yard  
SMC Event Center**

PW Commission June 14

PW Commission July 12  
Study Session

## Public Input + Design Team

+ PWC + CC

Further Evaluation

**Final Site Selection  
City Council July 17**

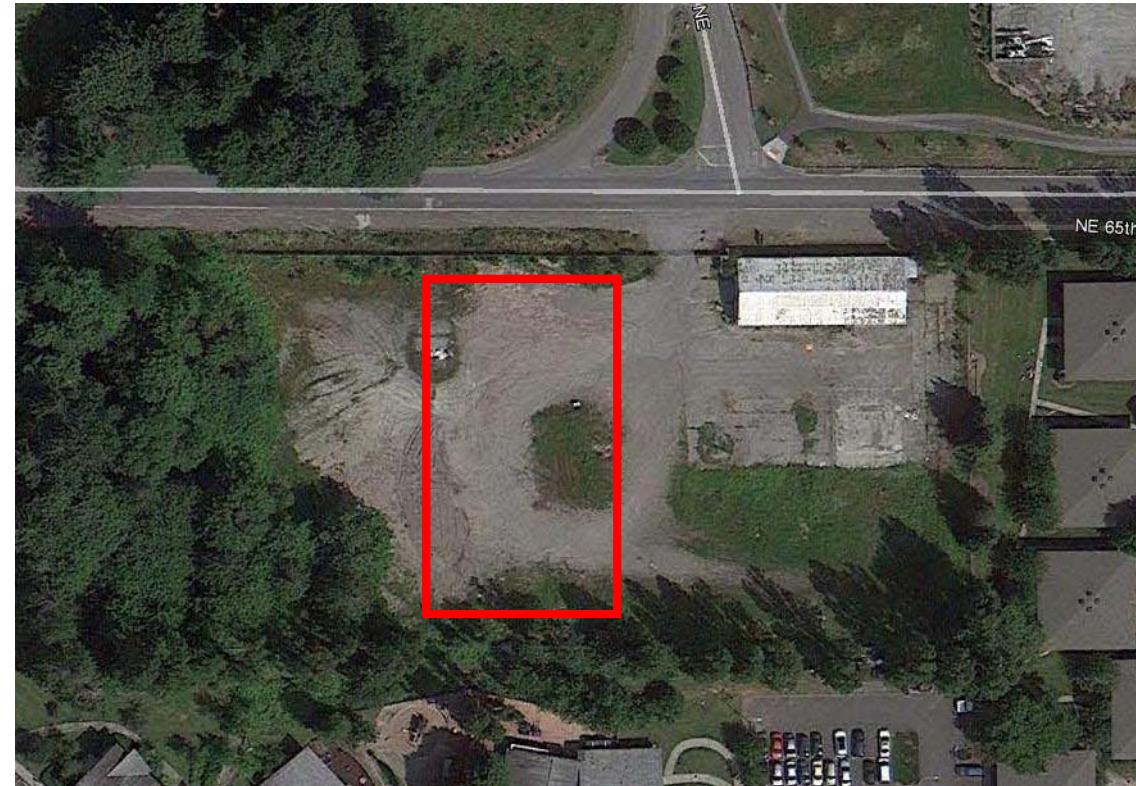


# Types of Impacts

- Traffic
- Air Quality
- Noise & Vibration
- Aesthetics
- Seismic Resiliency



# Preconstruction Examples

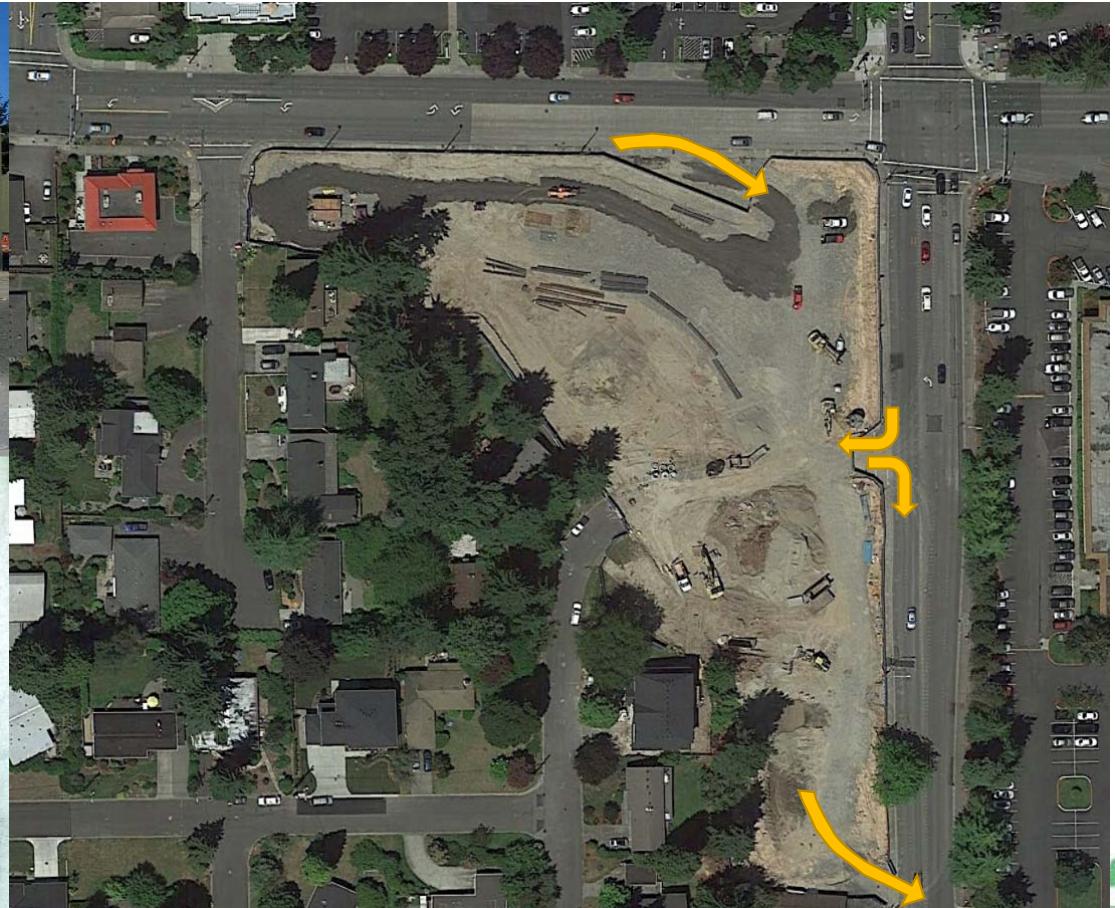


# Site Preparation Examples



PROTECTING THE BAY FOR A SUSTAINABLE FUTURE

# Site Preparation Examples





ISS SITE

EXISTING TRUCK  
ACCESS ROUTES

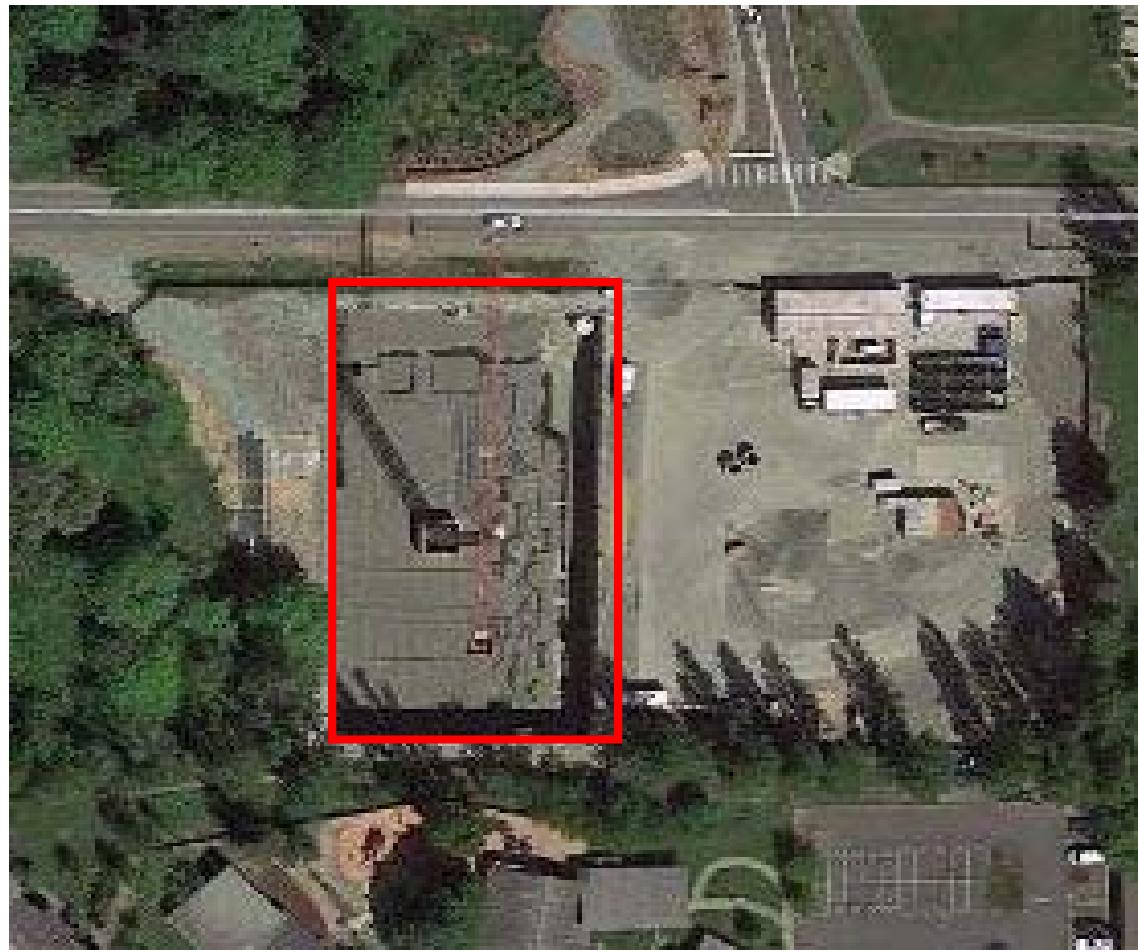
CORP YARD – CONCEPTUAL  
TRUCK ACCESS ROUTES

EVENT CENTER - CONCEPTUAL  
TRUCK ACCESS ROUTES



**CLEANWATER PROGRAM**  
PROTECTING THE BAY FOR A SUSTAINABLE FUTURE

## Construction Examples

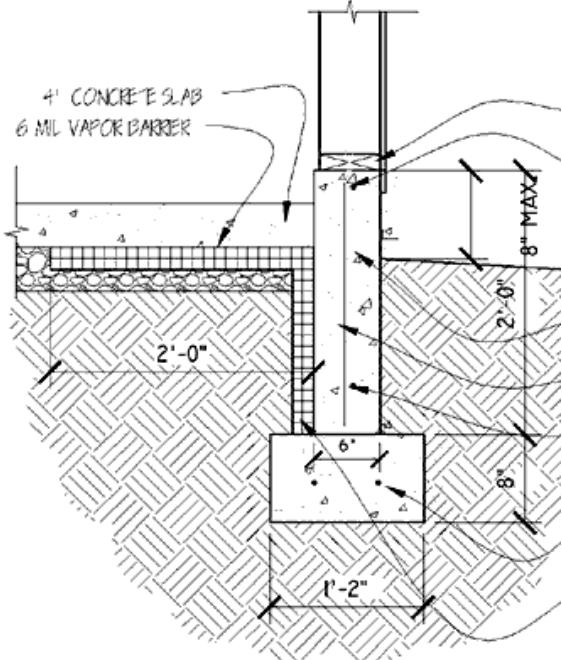




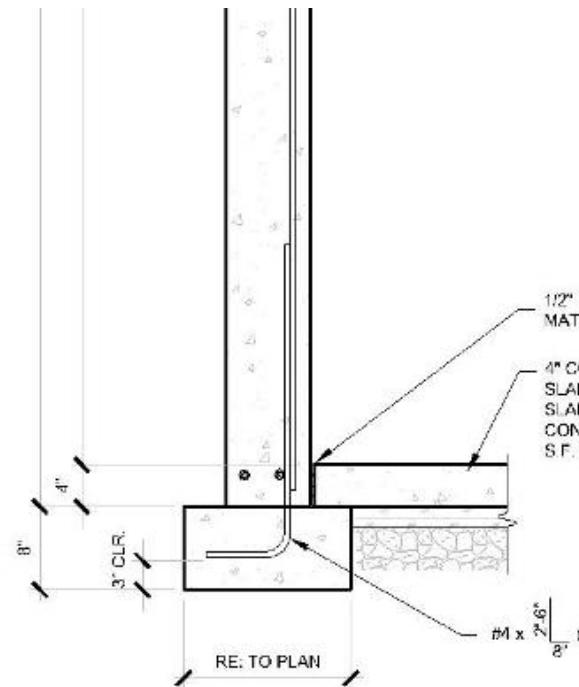
# Construction Examples



## Residential

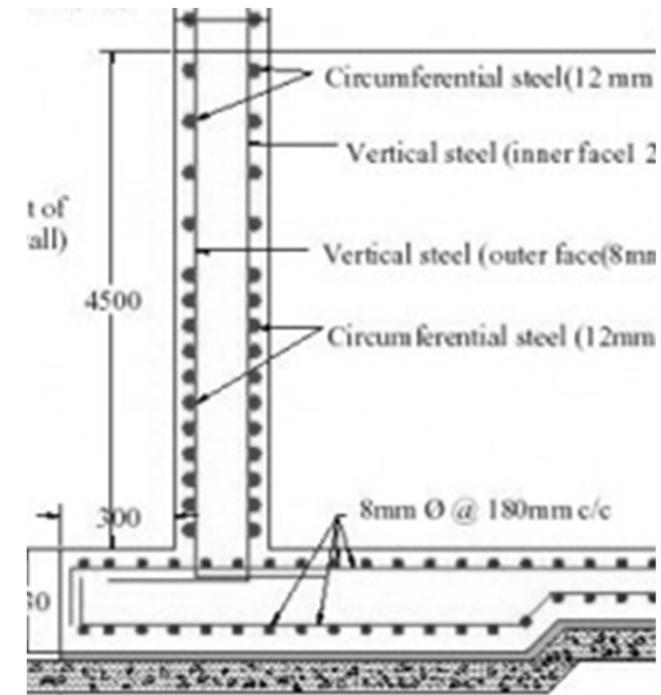


## Hospital/Fire Station



Relative Strength – 1.0

## Storage Tank



Relative Strength – 2.1



## Operating and Maintenance Requirements

- No permanent onsite staff
- Quarterly to annual maintenance requires 1 to 4 staff onsite
  - *Parking spaces for trucks*
  - *Limited access around hatches*
- Similar or lower frequencies than the maintenance at other City pump stations



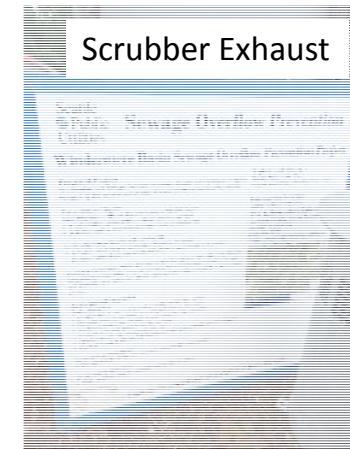
## Storage Facility: Odor & Noise Control and Self Cleaning



## Air Tight Vaults



# Carbon Odor Scrubber



## Scrubber Exhaust



## Flushing Curbs



# Self Cleaning Tipping Buckets



# Site Restoration Examples



# Site Restoration Examples



# Questions & Feedback



[www.cleanwaterprogramsanmateo.org](http://www.cleanwaterprogramsanmateo.org)

17



# Methods to Stay Informed & Provide Input

## Sign Up for Email Updates

info@cleanwaterprogramsanmateo.org

## Register for Private Neighborhood Updates

www.NextDoor.com

## Contact Us

www.CleanWaterProgramSanMateo.org

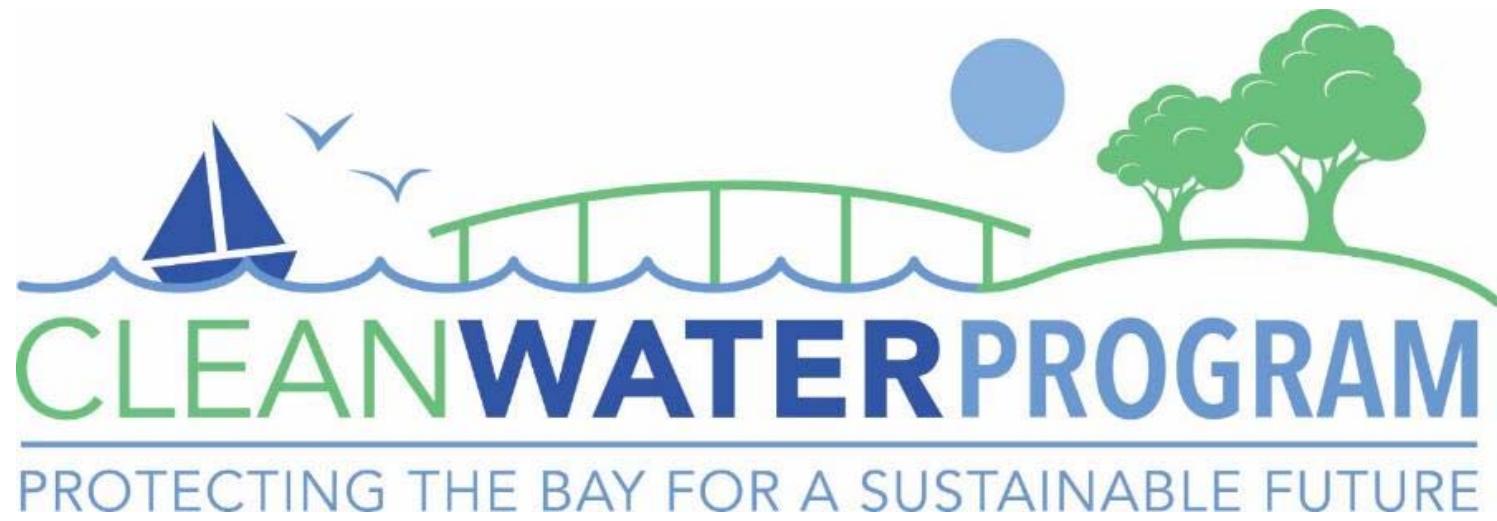
650-727-6870



The image shows the front cover of a booklet titled "CLEANWATERPROGRAM" with the subtitle "PROTECTING THE BAY FOR A SUSTAINABLE FUTURE". The cover features the logos of the City of San Mateo and the San Mateo Water Quality Control Board. Below the title, it says "Frequently Asked Questions". The booklet is divided into several sections with numbered answers, each accompanied by a small photograph or diagram. The sections include:

- What is the Clean Water Program?
- To meet current and future regulatory requirements and build wet weather sewer system capacity assurance. The regulatory environment that protects our community continues to change. We are responding to the current direction of our regulators (i.e. Regional Water Quality Control Board ("RWQCB")) requiring specific corrective actions to ensure wet weather capacity while planning for future regulations related to the quality of our effluent water.
- To align with long-term sustainability goals. Improvements to the Wastewater Treatment Plant and sewer collection system have added environmental benefits, including a cleaner San Francisco Bay, production of new recycled water source to supplement precious water supplies, and alternative fuel sources for City vehicles.
- What happens if we do not comply with regulatory requirements? Failure to comply with permit requirements by mandated deadlines could result in large fines that will be passed on to ratepayers.
- How are the Clean Water Program projects funded? The Program is funded by sewer use fees paid by all properties that tie into the sewer collection system. The City is seeking grants and low-interest loans to minimize impacts on sewer rates.
- What is the City's strategy to engage and educate the public about this program? Public outreach and transparency are important components of the Clean Water Program. The City of San Mateo and Foster City/MUD will be looking at a variety of public outreach methods including providing information on the Clean Water Program website ([www.CleanWaterProgramSanMateo.org](http://www.CleanWaterProgramSanMateo.org)) and the distribution of information through other communication channels.

At the bottom, there is a contact section with the phone number (650) 727-6870 and email info@cleanwaterprogramsanmateo.org.



[www.cleanwaterprogramsanmateo.org](http://www.cleanwaterprogramsanmateo.org)

19

