

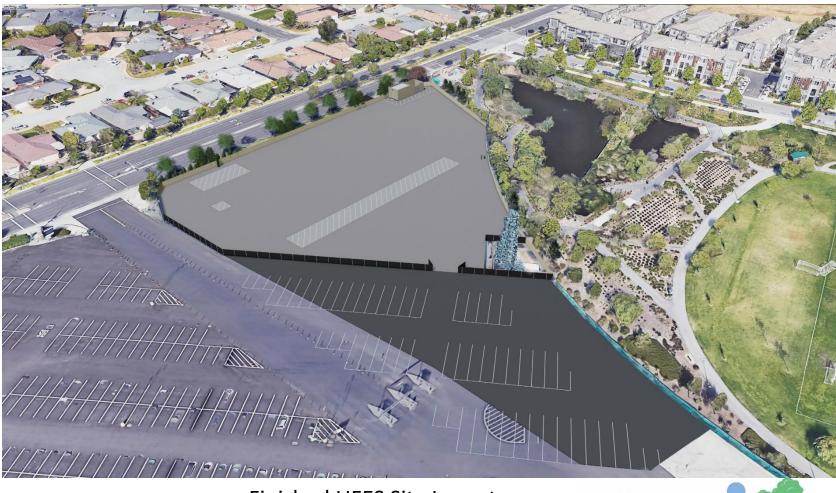
Underground Flow Equalization System Project

City Council Meeting October 21, 2019



Overview of Topics

- Background & Project Overview
- Final EIR Comments
- ConstructionMonitoring
- CommunityEngagement
- City Council Approval



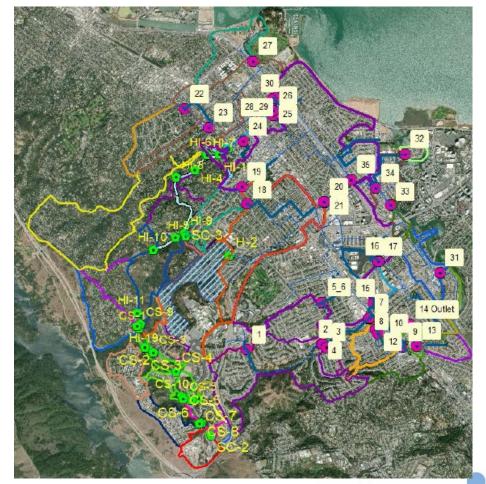






Project Purpose: Addressing the 2009 Cease & Desist Order (Assess and Assure Capacity)

- CDO requires elimination of SSOs
- CDO Provisions:
 - —IV.B. Capacity Assessment:
 - Complete flow measurements
 - Complete predictive modeling
 - Identify inflow/infiltration (I/I) areas
 - Identify capacity bottlenecks
 - —V. Capacity Assurance:
 - Address I/I
 - Address peak flow conveyance
 - Address peak flow storage

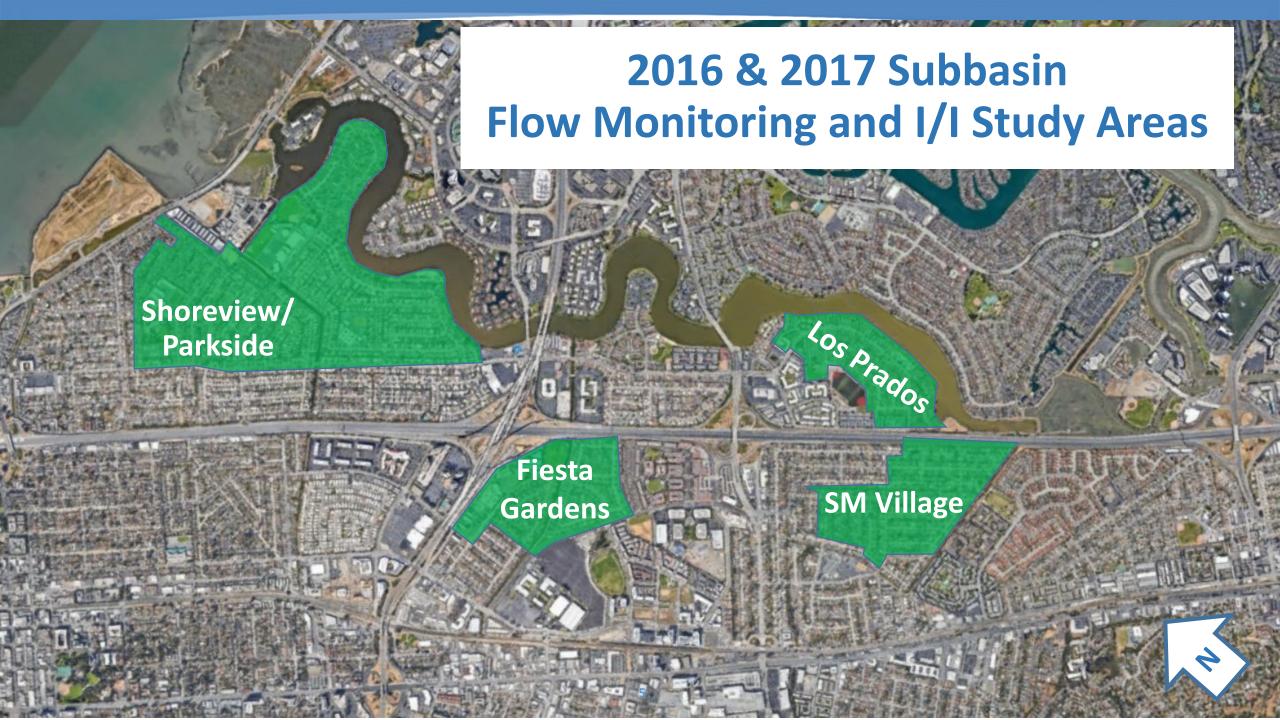


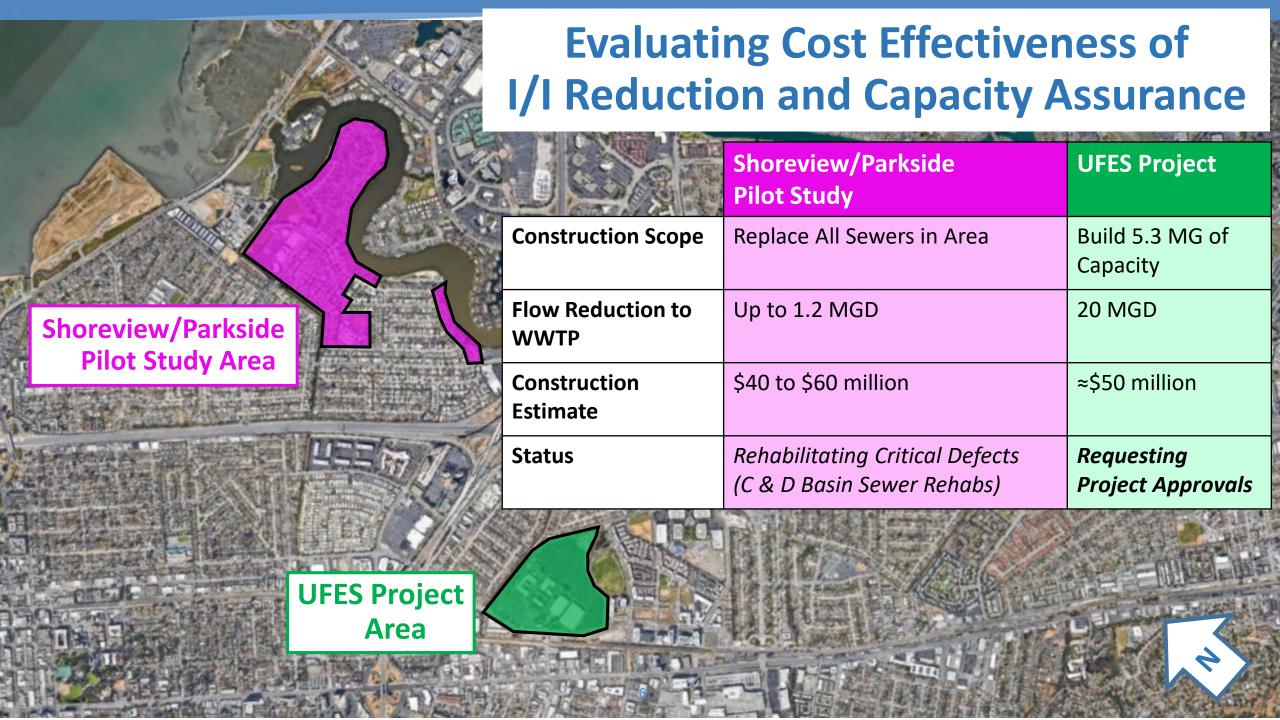


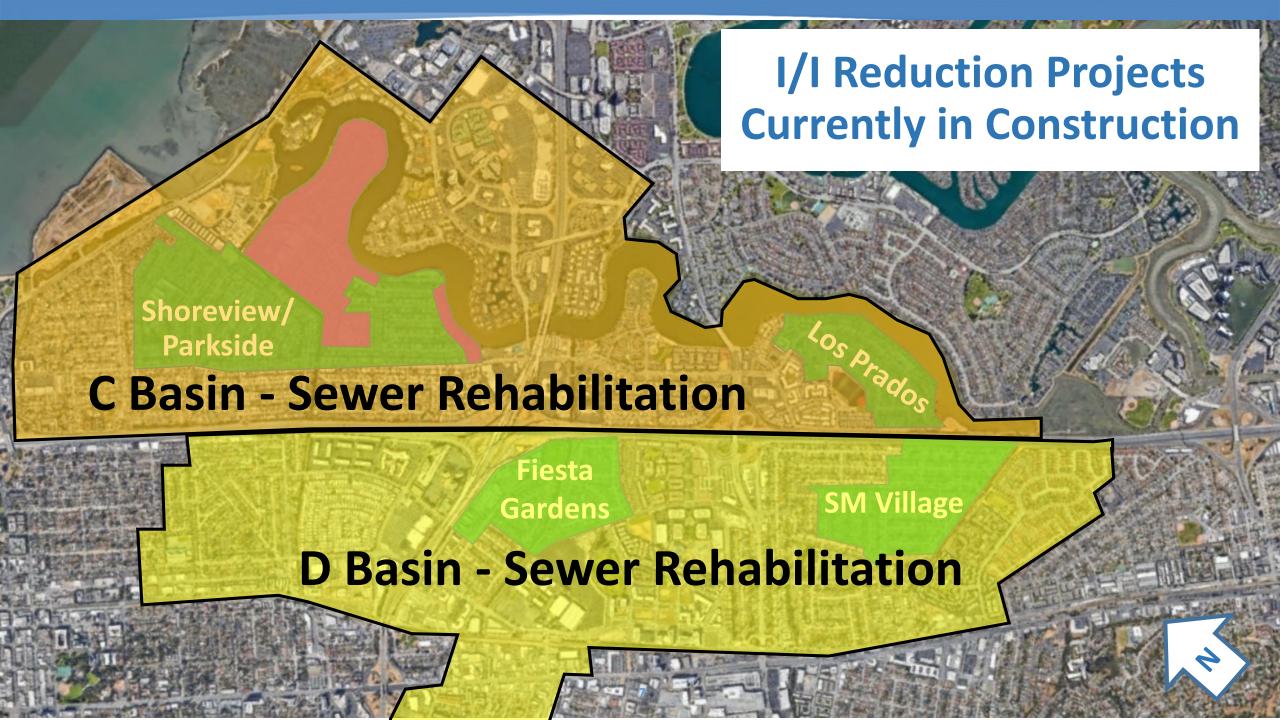


Evaluated and Validated Approach

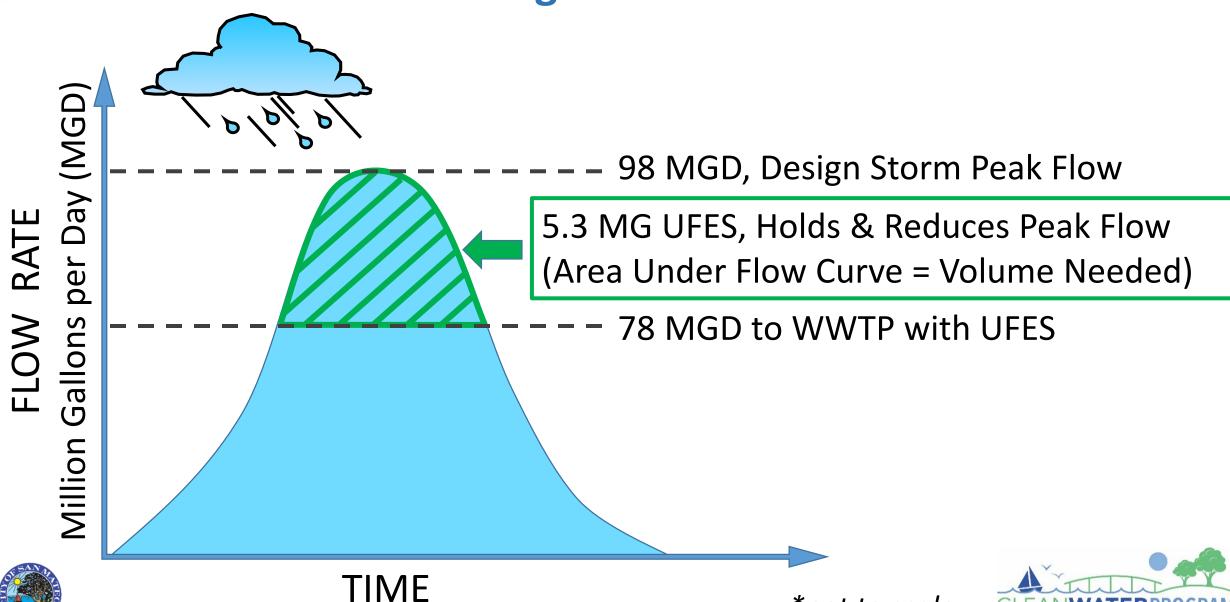
Document	I/I Evaluation & Model Update	Validated 78 MGD to WWTP w/ UFES
2010 Hydraulic Assessment (RMC)	/	
2013 Flow Monitoring and I/I Study (V&A)		
2014 Integrated Wastewater Master Plan (Carollo)		
2015 Validation Study (CH2M)		✓
2015 Sewer Main Risk Assessment (Larry Walker)	~	
2016 Collection System Flow Study (ADS)	~	
2017 (Subbasin) I/I and Flow Study (West Yost)	~	
2017 CWP Final PEIR with Addenda No. 1 & 2 (CH2M)		
2018 Collection System Flow and I/I Study (ADS)	~	
2019 UFES Final EIR (Jacobs, previously CH2M)		~





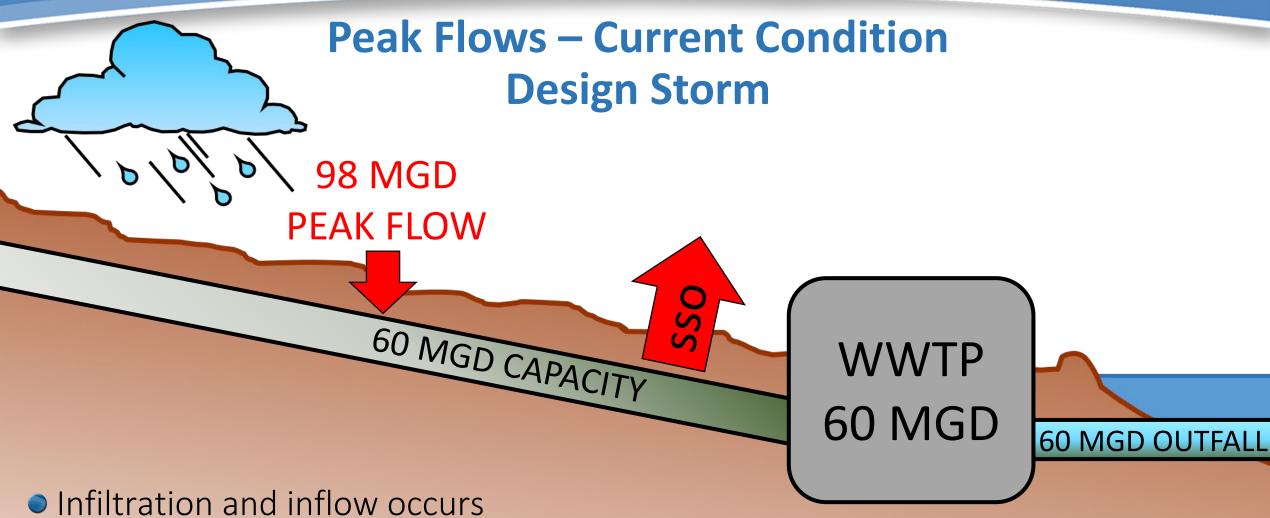


Flow Management with UFES

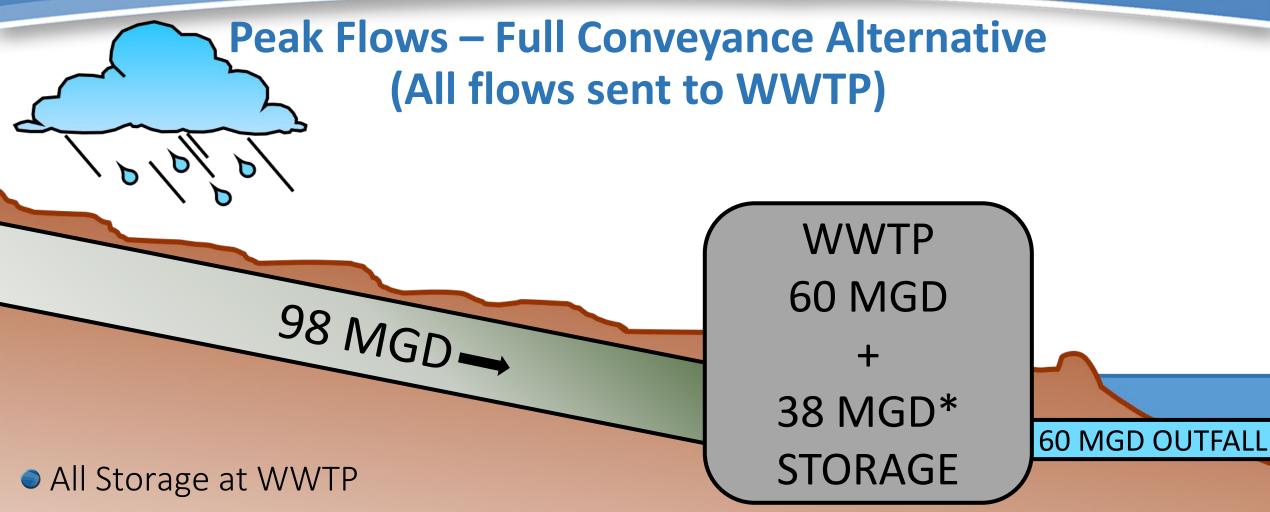




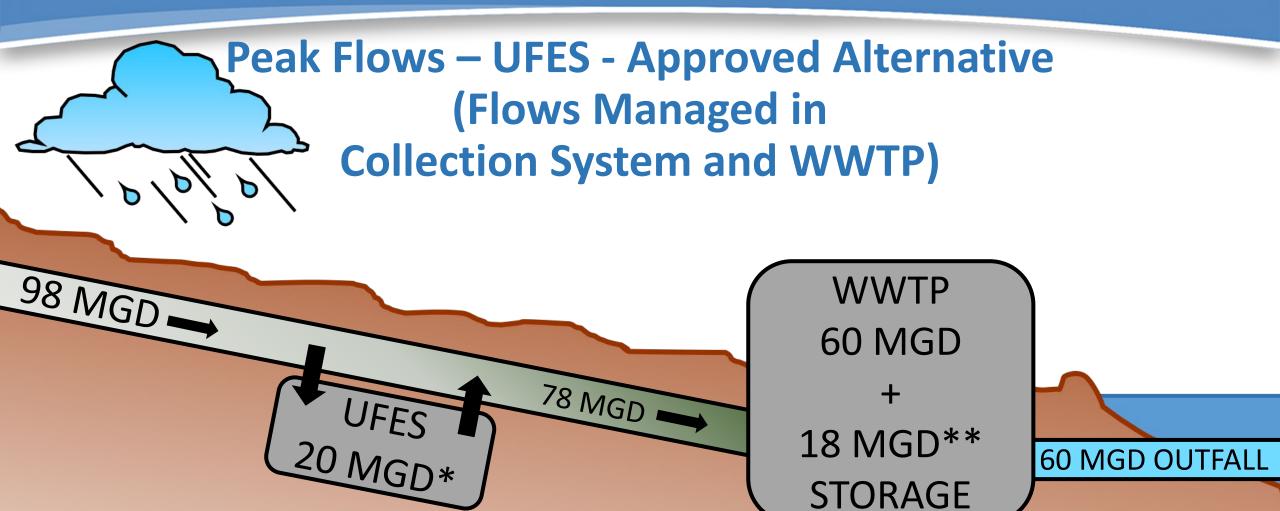




- Peak Wet Weather Flow (PWWF) to WWTP = 98 MGD
- Sanitary sewer overflows occur due to limited capacity



- Larger pipes & pump stations required
- More challenging due to WWTP site limitations & system wide construction
- *Note: 10 MG attenuates PWWF from 98 MGD to 60 MGD



- Improved System Wide Flow Management
- Peak Wet Weather Flow (PWWF) = 98 MGD
- *Holds 5.3 MG reducing PWWF from 98 MGD to 78 MGD
- **Holds 5.0 MG reducing PWWF from 78 MGD to 60 MGD

DESIGN STORM SIZE



5-Year, 6-Hour Design Storm



Climate Change





Actions for City Council's Consideration

- Final Environmental Impact Report (FEIR) (includes Response to Comments on Draft EIR)
 - —Statement of Overriding Considerations regarding the significant and unavoidable noise impact
- Site Plan and Architectural Review (SPAR) application for the construction of new buildings or walls/fences over six feet in height
- Special Use Permit (SUP) to allow the use of the site for a public facility in the "A" Agricultural District





Proposed Project

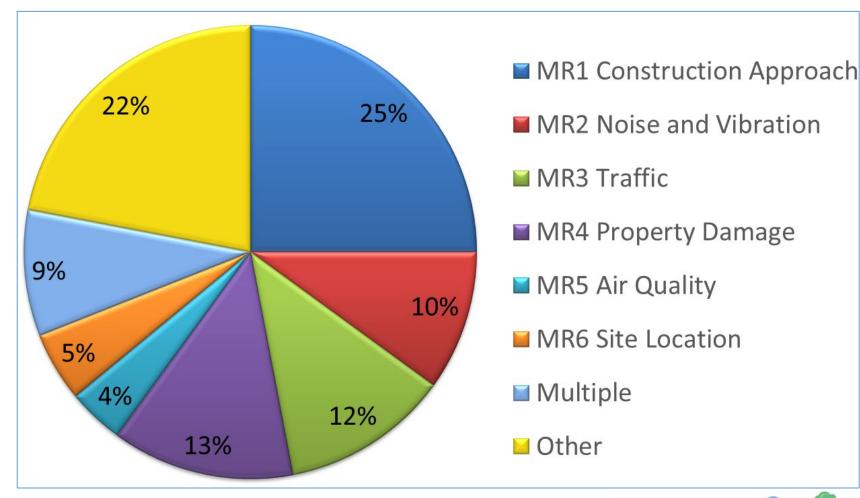
- Location: southeast corner of the San Mateo County Event Center parking lot along Saratoga Drive
- Underground: concrete holding structure, pump station, diversion sewers and force main, and odor control equipment room
- At Grade: access hatches, emergency backup generator, electrical building and vents located at ground level





Summary of Comments on Draft EIR

- Over 500 comments received
- Responded to comments in Appendix F of FEIR
- ~80% followed common themes answered by master responses
- Master Responses found in two locations
 - —Executive Summary
 - —Appendix F

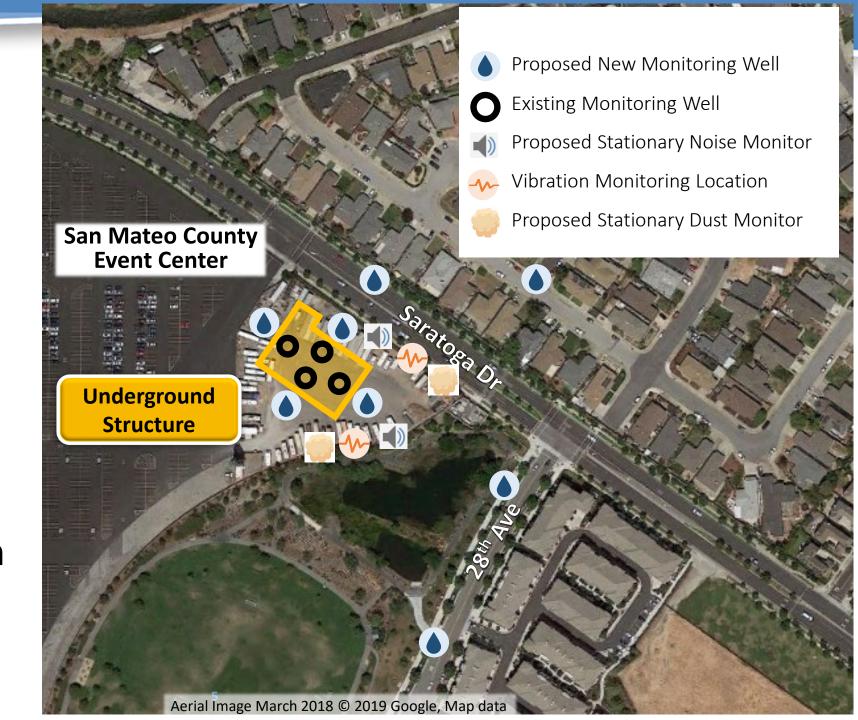






Monitoring and Minimizing Construction Impacts

- Noise
- Dust
- Settlement
- Vibration
- Traffic
- Pipeline Construction





Final UFES Site







Community Engagement

- Over 50 community engagements since 2016
- Planning Commission meeting April 9, 2019 – DEIR, SUP & SPAR Study Session
- Recent Community meeting on May 21, 2019 at Event Center (over 90 attendees)
- Planning Commission meeting August 27, 2019 – Study Session
- Planning Commission Hearing September 24, 2019
- Community engagement does not stop at the EIR







Request for City Council Approval

- Certification of the Final Environmental Impact Report;
- Adoption of the Statement of Overriding Considerations regarding the significant and unavoidable noise impact, based on the Findings for Approval;
- Approval of the Site Plan and Architectural Review (SPAR) application for the construction of new buildings or walls/fences over six feet in height;
- Approval of the Special Use Permit (SUP) to allow the use of the site for a public facility in the "A" Agricultural District, based on the Findings for Approval.







Please share methods to effectively communicate

Sign Up for Email Updates

info@cleanwaterprogramsanmateo.org

Visit the UFES Project Website

www.CleanWaterProgramSanMateo.org/UFES

Call the Clean Water Program

650-727-6870

Follow the City's Social Media











