

Moraga Creek Flood and Erosion Control

**Virtual Community Meeting
03/16/2021
6pm-7pm**

Agenda



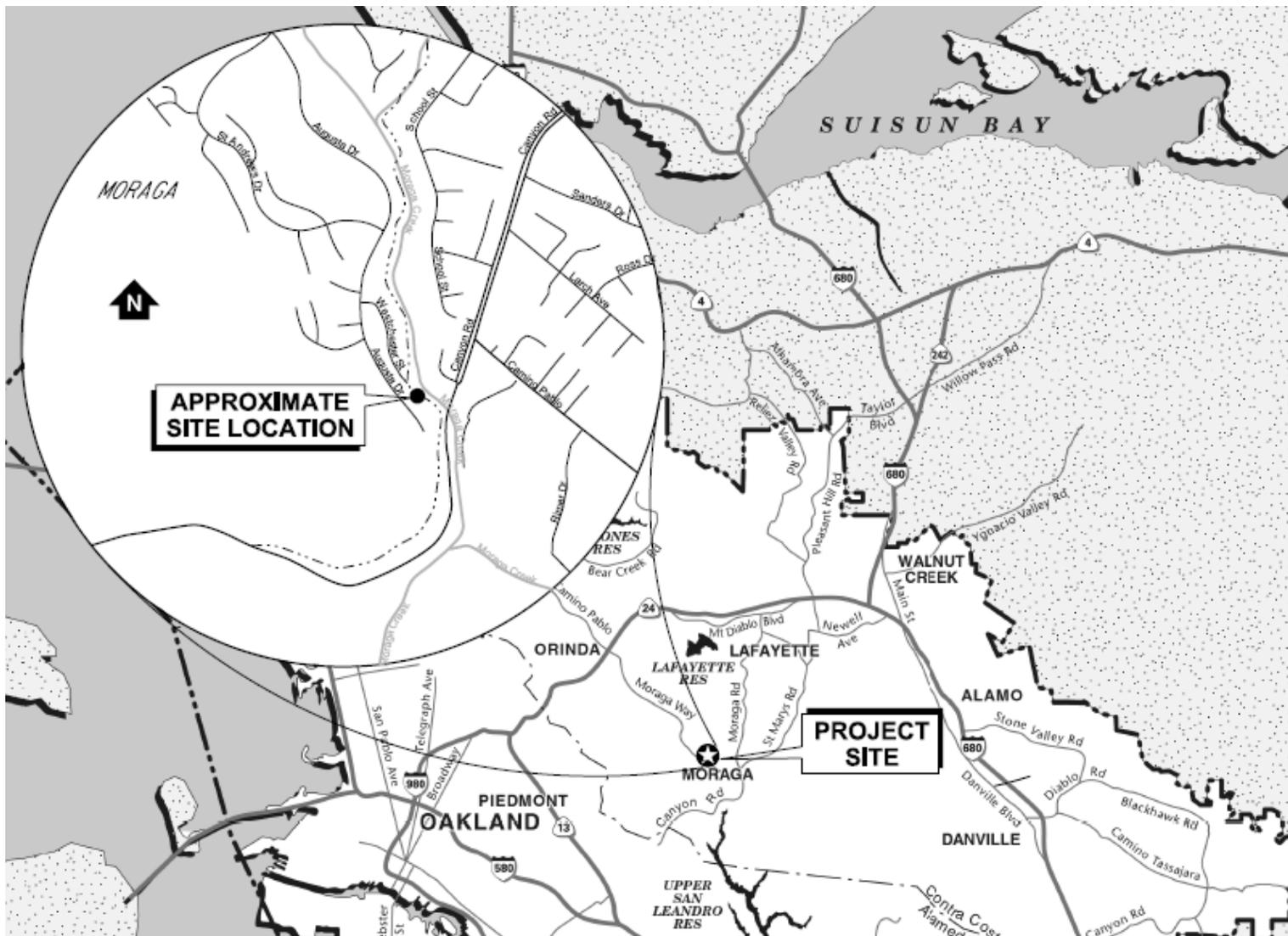
- Opening Remarks and Introductions
- Project Overview
- Project Schedule
- Q&A
- Next Steps

EBMUD Project Team



- **Marguerite Young**, EBMUD Board of Directors
- **Clifford Chan, PE**, General Manager of EBMUD
- **Jimi Yoloye, PE**, Director of Engineering and Construction
- **Elizabeth Bialek, PE**, Manager of Engineering Services
- **Sean Todaro, PE, GE**, Senior Civil Engineer
- **Samuel Gambino, PE, GE**, Associate Engineer and Project Manager
- **Kathryn Horn**, Community Affairs Representative

Project Overview



Project Overview - Continued

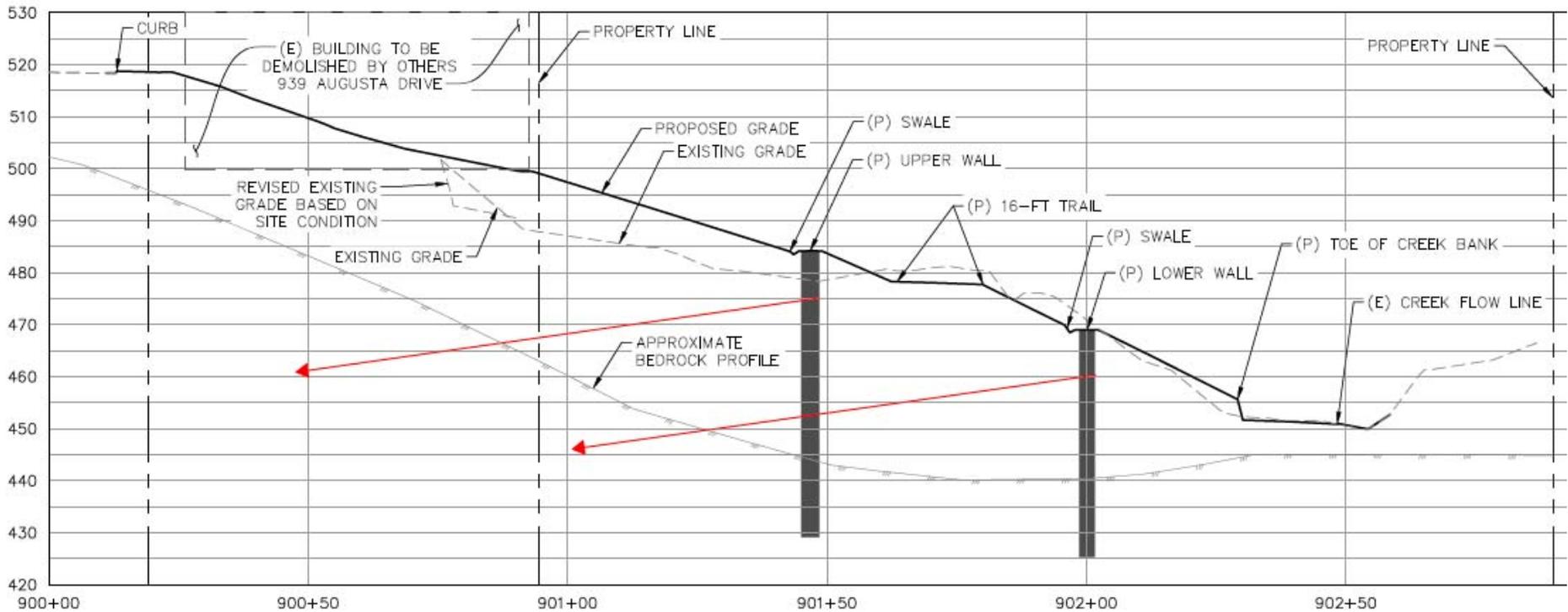


Existing Conditions



2020-06-10

Proposed Retaining System

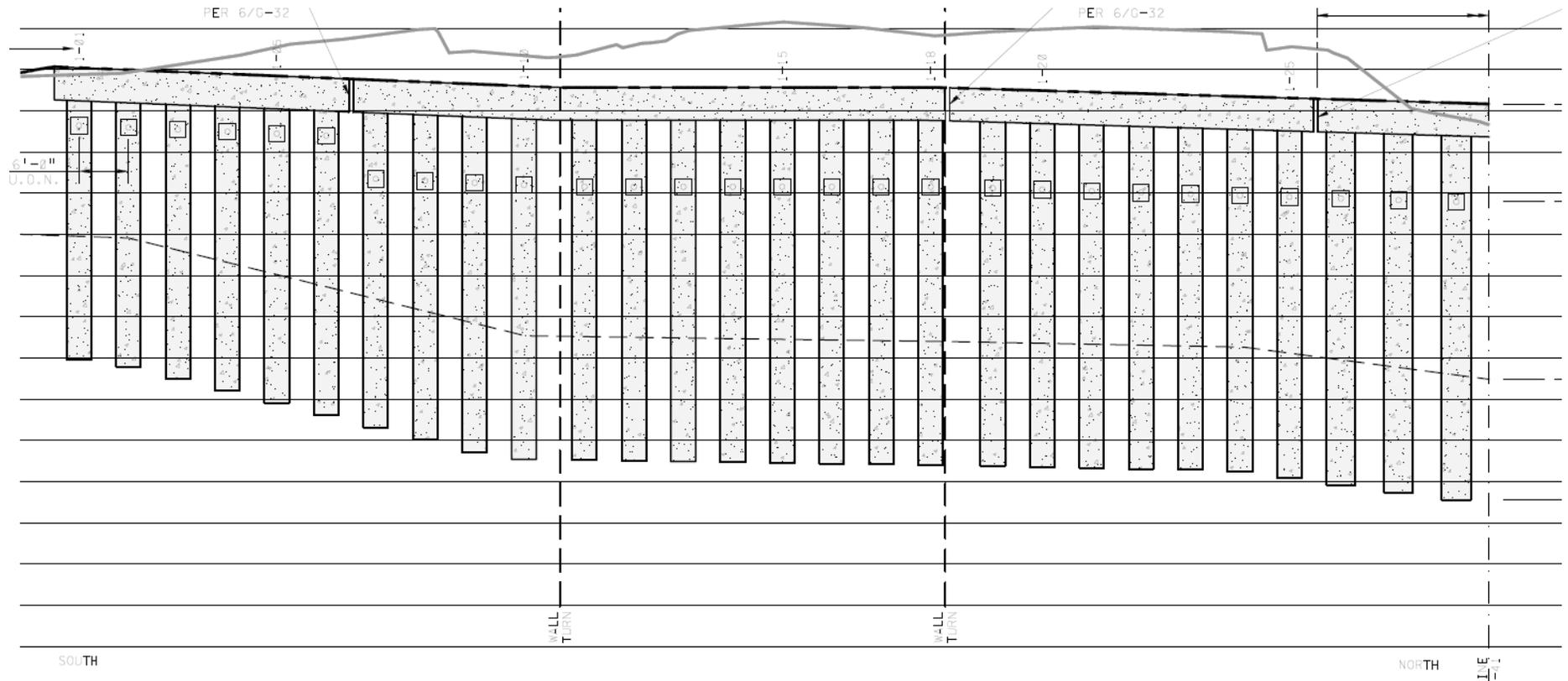


J-J' SECTION

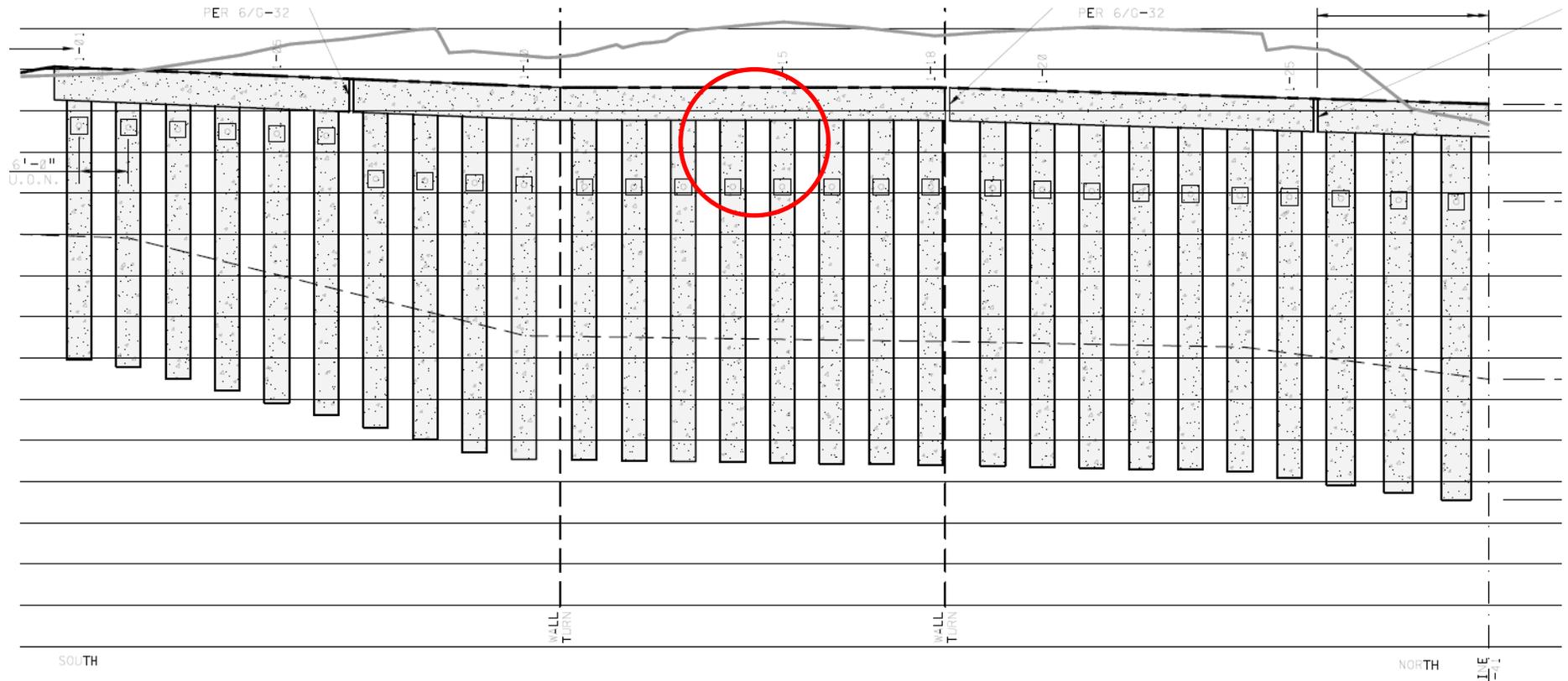
UPPER ALIGNMENT STITCH PIERS TO BE INSTALLED PRIOR TO INSTALLATION OF TIEBACKS ON LOWER ALIGNMENT STITCH PIERS.

LOWER ALIGNMENT PIERS 1-50 (SET 1 AND SET 2) TO BE INSTALLED BEFORE INSTALLATION OF UPPER ALIGNMENT PIERS 1-25 (SET 3).

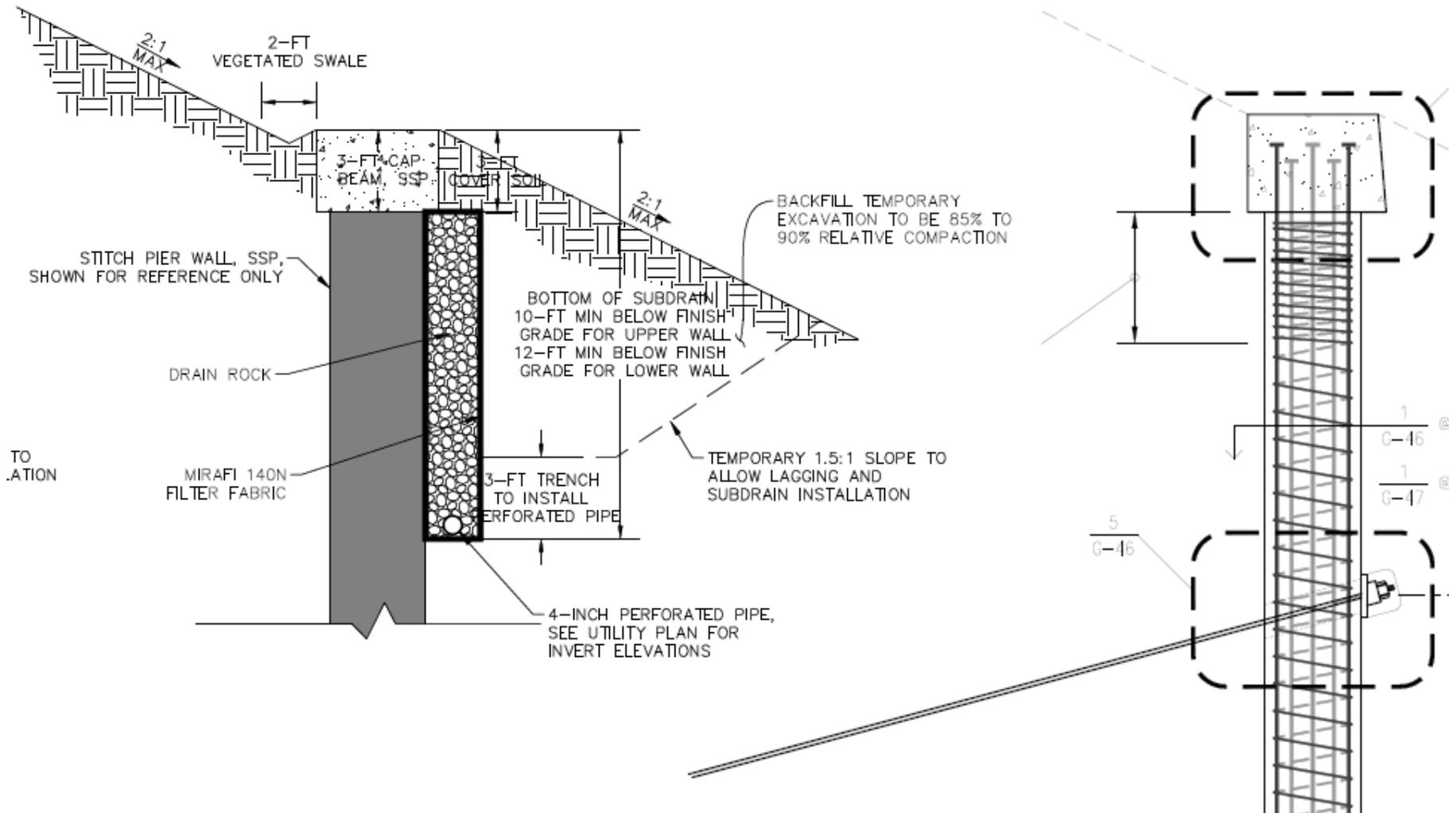
Proposed Retaining System – Profile View



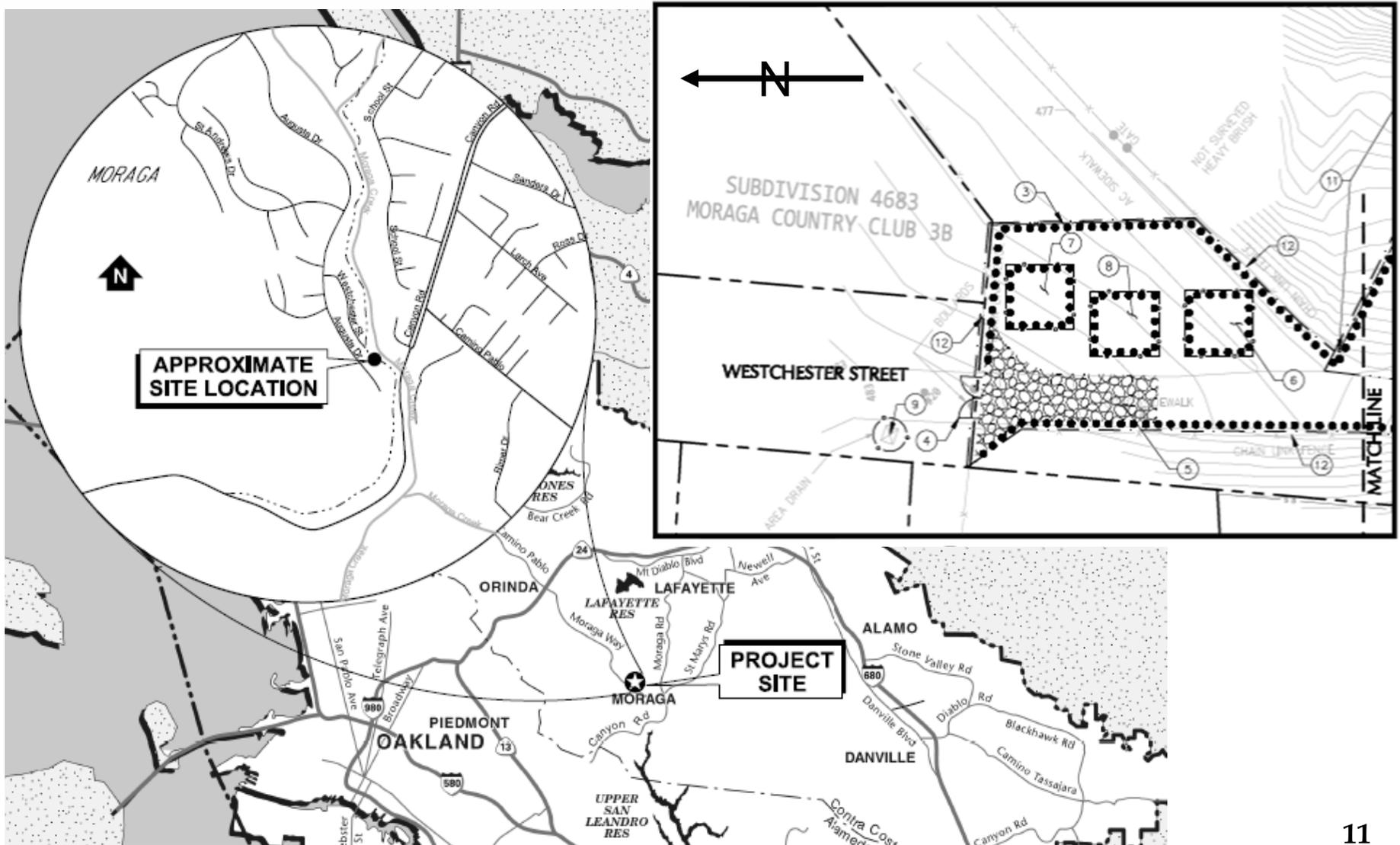
Proposed Retaining System – Profile View



Proposed Retaining System – Details



Site Access and Equipment Staging



Staging Area



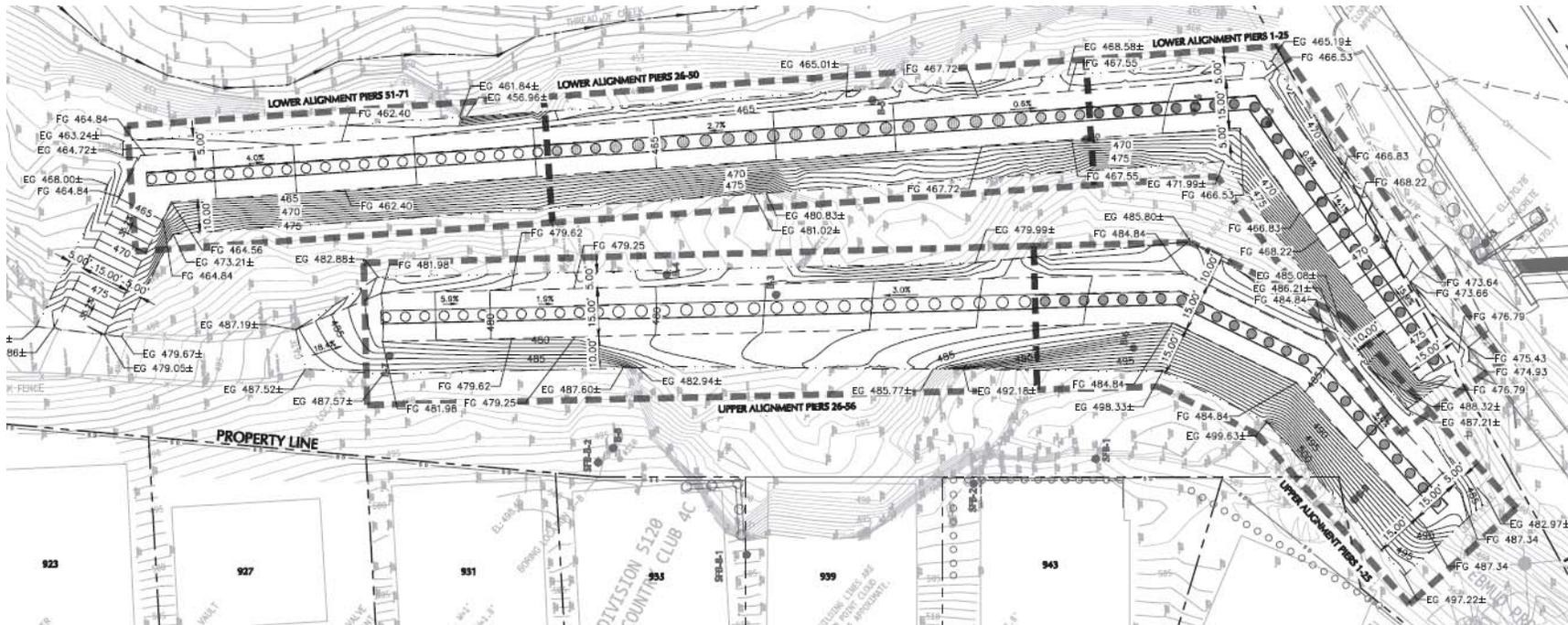
Construction Sequencing



Moraga Creek

Westchester Street

Canyon Road



Augusta Drive

Construction Sequencing – Season 1



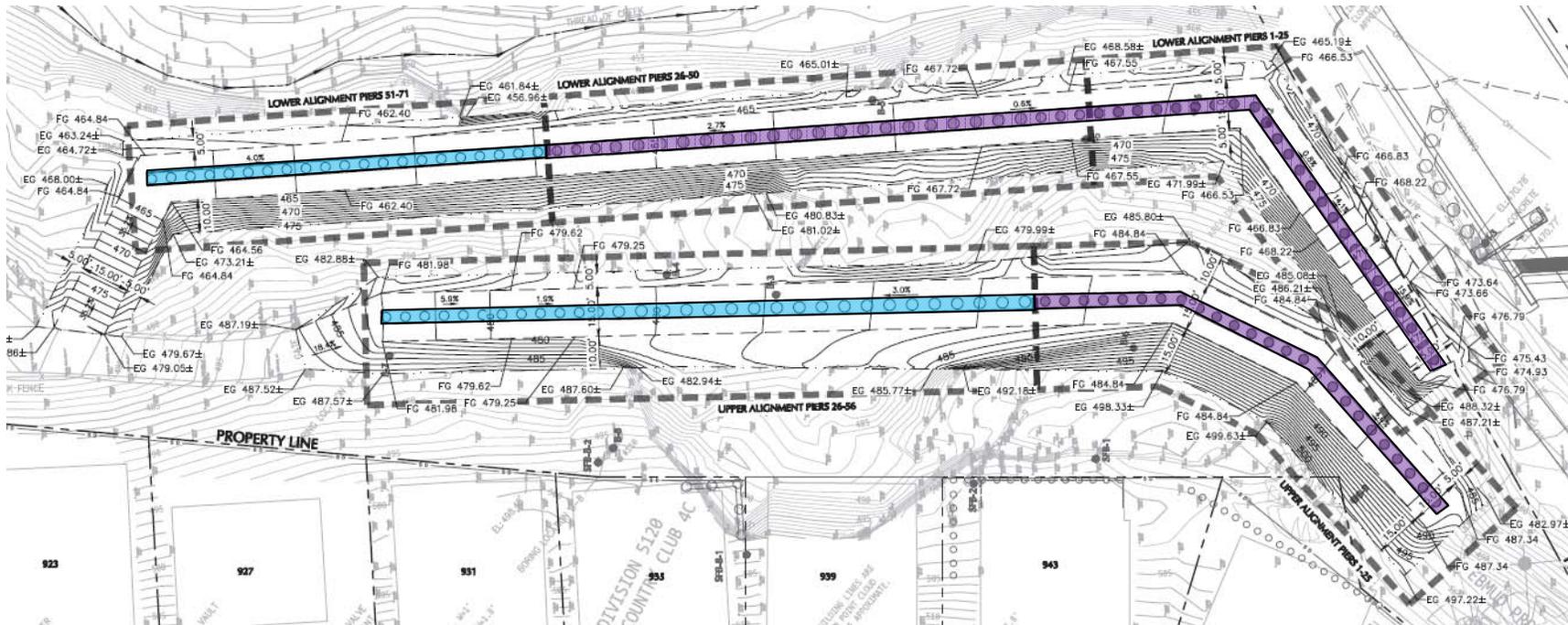
Season 1



Construction Sequencing – Season 2

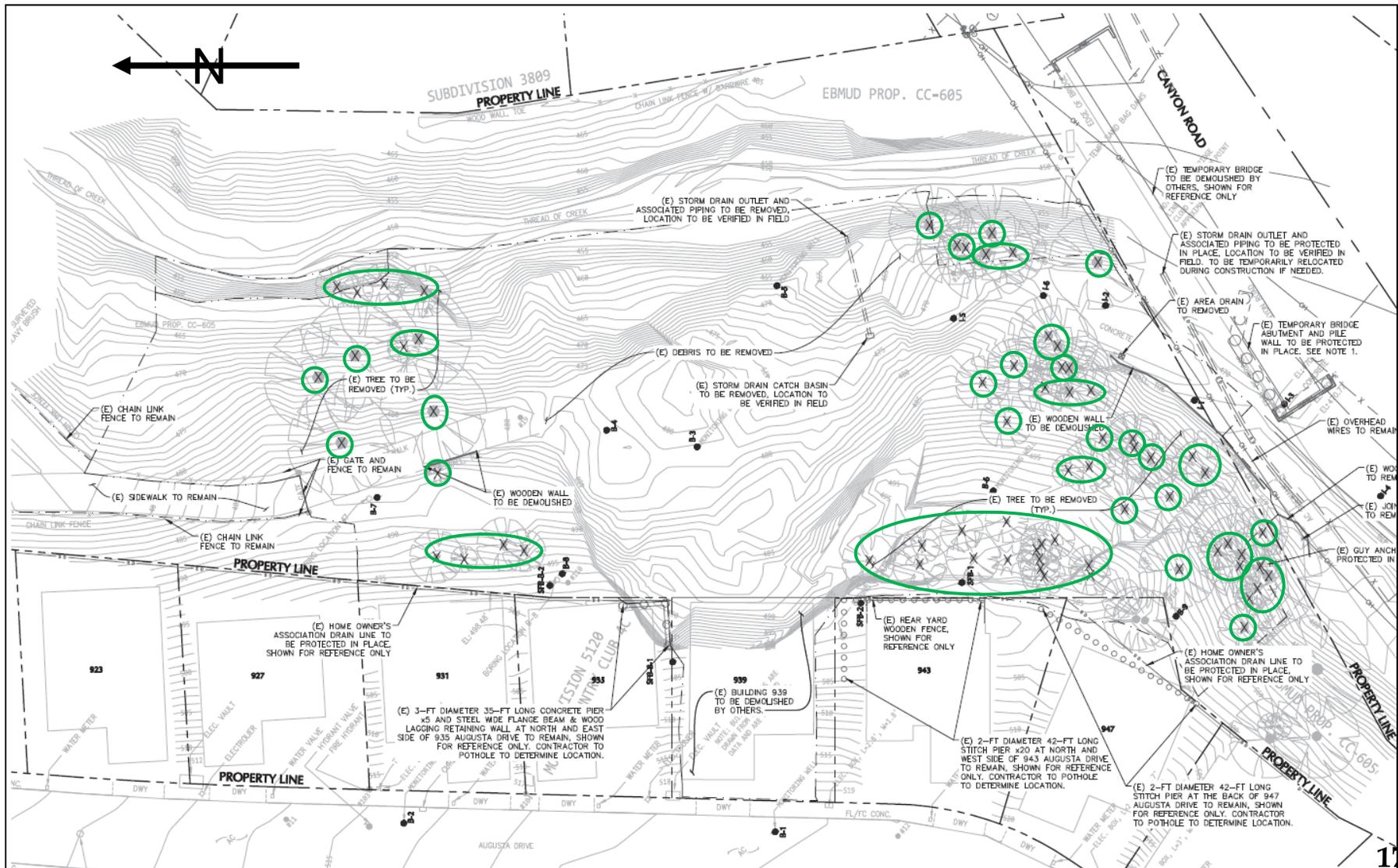


Season 1



Season 2

Tree Removal and Replacement Plan

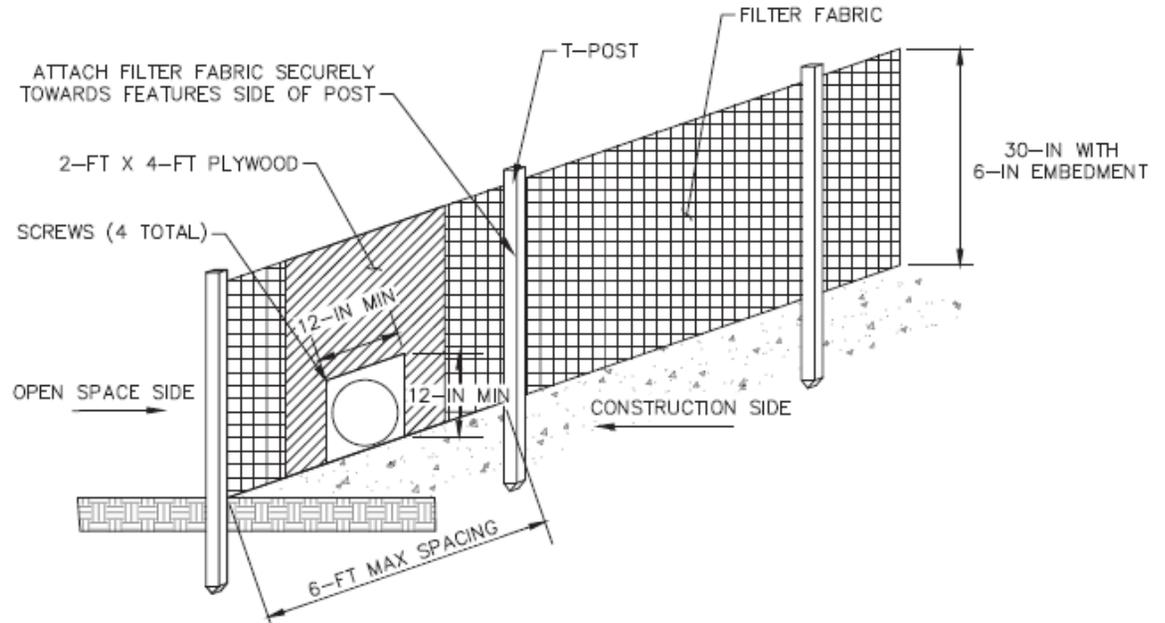


Environmental Considerations



- Protected species:

- Raptors
- Whipsnakes
- Pond Turtles
- Red-Legged Frog
- Tiger Salamanders



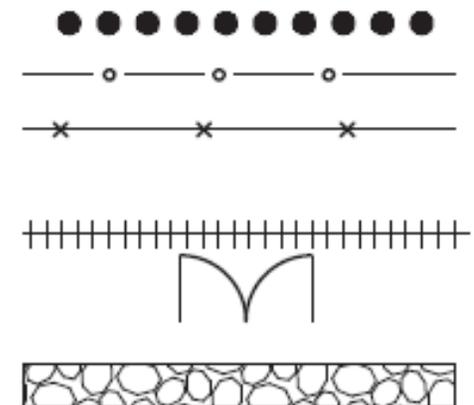
- EBMUD will conduct biologic monitoring during construction and facilitate relocation of species

Requirements to Protect Creek



- Drainage from site will minimize erosion of stockpiles and adjacent native soil
- Temporary measures will prevent discharge of contaminated stormwater during construction (soil, sediment, concrete residue)

- (P) FIBER ROLLS
- (P) SILT FENCE
- (P) CONSTRUCTION FENCE
- (P) CHECK DAM
- (P) CONSTRUCTION GATE
- (P) CONSTRUCTION ENTRANCE



Noise and Vibration Prevention

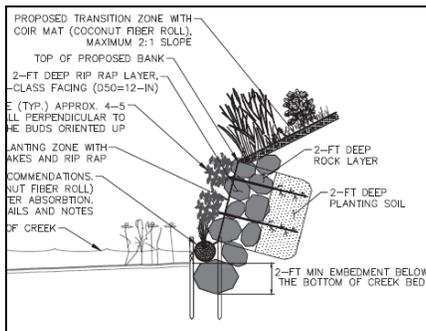


- Contractor is required to control noise and vibration
- Appropriate noise measures may include: muffling of equipment, selecting quieter equipment, erecting noise barriers, etc.
- Vibration will be monitored so as not to exceed threshold values

Project Rendering



Project Rendering – Slope Reconstruction



Project Rendering – Canyon Road View



Project Schedule



- Work Hours: 8:00 a.m. to 5:00 p.m.
- Monday through Friday only
- Season 1: Summer 2021 to Fall 2021
- Season 2: Spring 2022 to Fall 2022
- Restore underground water main
- For more information visit:
www.ebmud.com/moragacreek

Questions and Answers



Moraga Pumping Plant Releases



- Moves water supply to Upper San Leandro Reservoir
- Pumps operated for about two months, starting this March, and as needed in future
- When in operation, flow rates ~ 100 cfs



Flow before pumping



Flow during pumping