



# Local Advanced Water Purification System

## Revised Planning Entitlement Plans Resubmittal

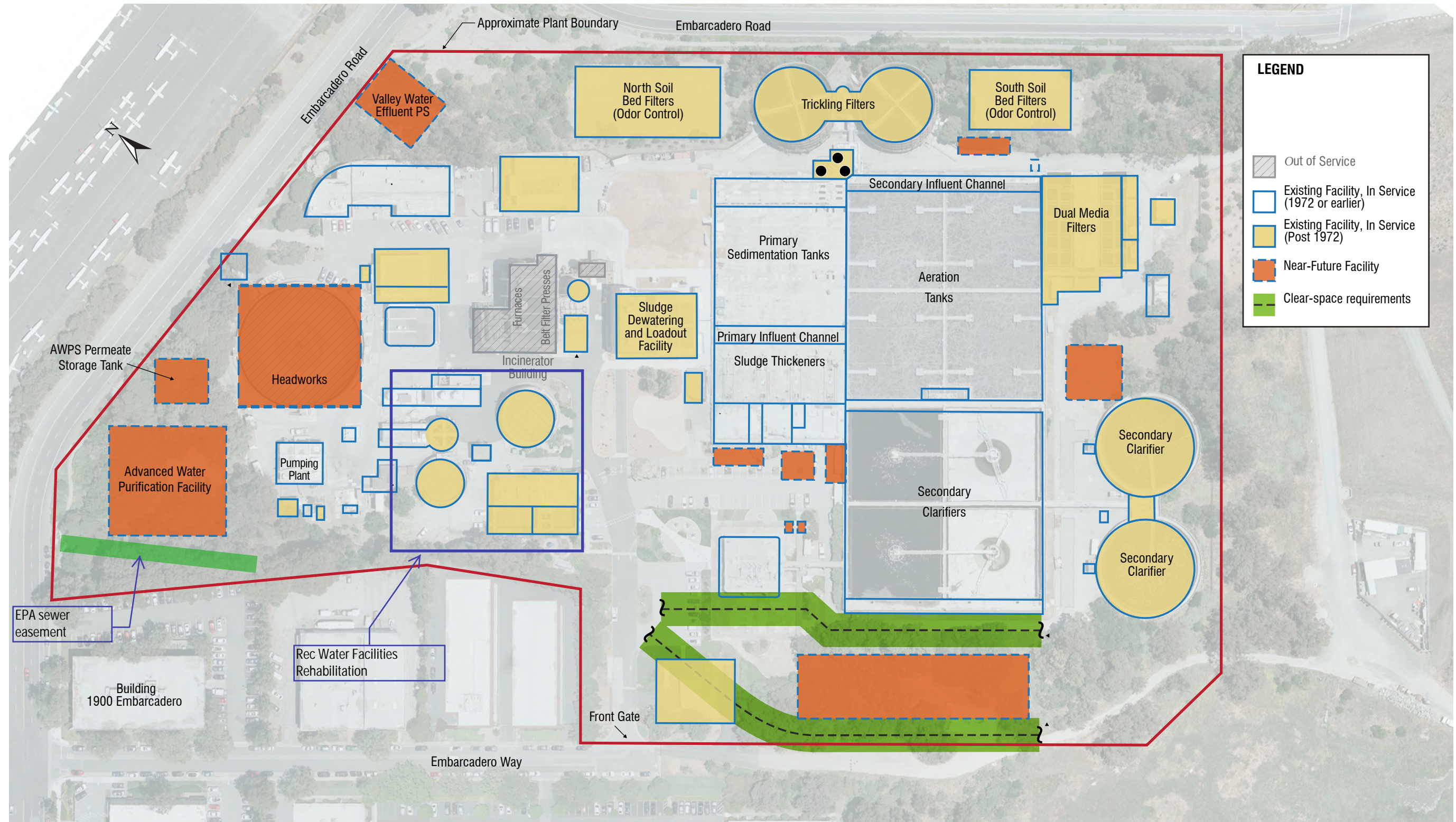
### Item 4 – Palo Alto Regional Water Quality Control Plant Current & Future Facilities

Prepared by  
**City of Palo Alto**

December 2023  
Revised March 2024



FIGURE 1. AERIAL VIEW SHOWING EXISTING & NEAR-FUTURE FACILITIES.  
AWPS LOCATED ON THE LOWER LEFT CORNER (NORTHWEST)



rev 3/11/2024

- Area to the southwest of the AWPS can't be utilized due to a sanitary sewer easement (main line from East Palo Alto)
- Area to the southeast of the AWPS is occupied by the Influent Pumping Plant and Junction Box (where all sewer lines discharge)
- Old Chlorine Contact Tank area is reserved for future Headworks Facility needed to replace aging facilities from 1972





FIGURE 2. PROPOSED FOOTPRINT OF NEW HEADWORKS FACILITY (ORANGE)

- City's most essential facility for reliably receiving raw wastewater into the Plant without sewage backups in the collection system, spills, or unintended discharge of untreated sewage.
- Critical for protection of the Plant's downstream equipment and processes
- Headworks facility includes bar screens, grit removal and pumping station
- Project is needed to replace aging infrastructure from 1972.
- Existing influent pipes run through the site and space is needed for excavation of new pipes while maintaining existing ones in operation.
- Project is in contracting phase for design