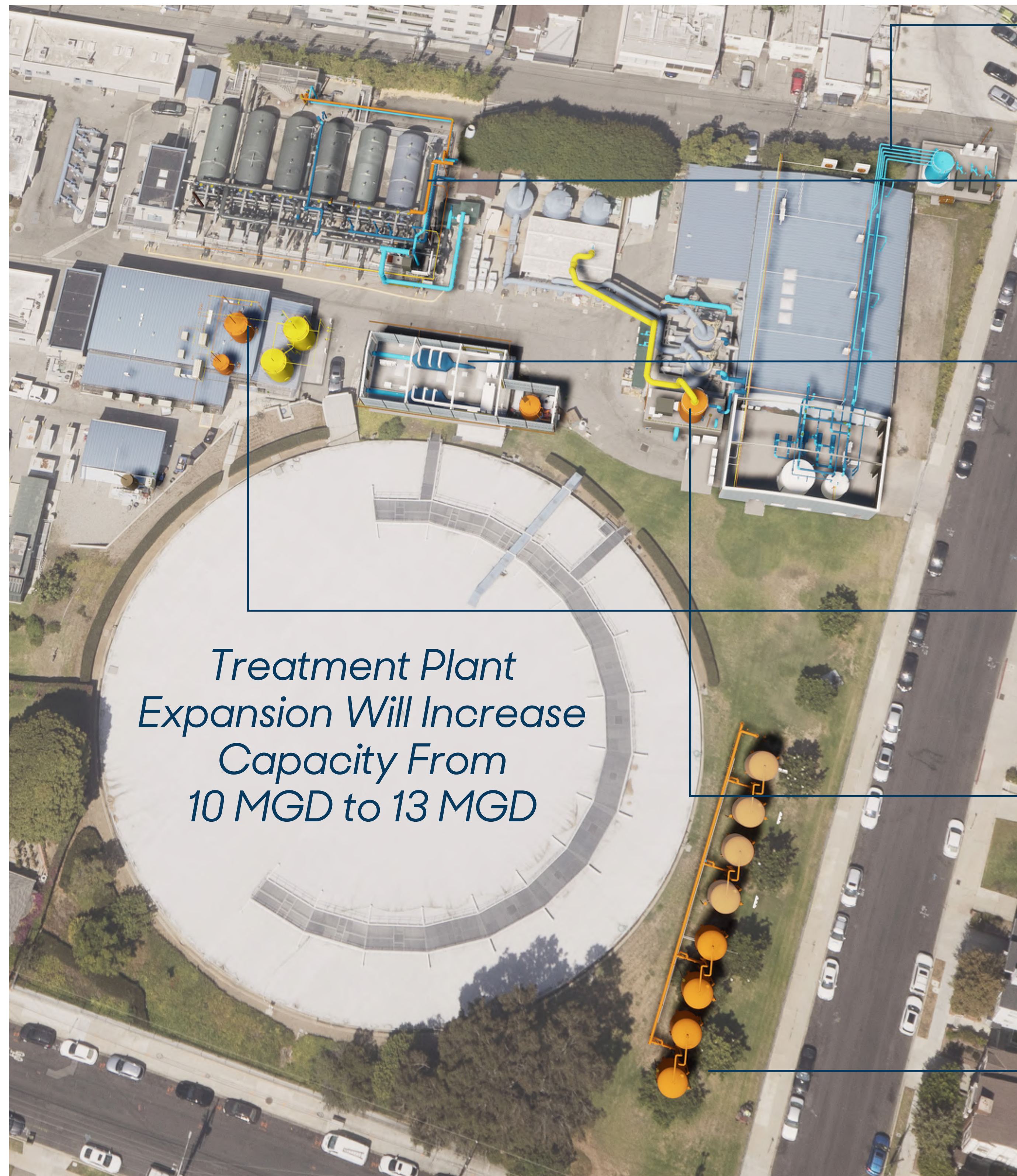


ARCADIA WATER TREATMENT PLANT EXPANSION



GREENSAND FILTRATION

Upgrade existing greensand filters to remove iron and manganese ahead of the new UV AOP system.

ULTRAVIOLET LIGHT ADVANCED OXIDATION PROCESS

New advanced treatment process to remove industrial contaminants (e.g. 1,4-Dioxane) and restore the Olympic Well Field.

BULK CHEMICAL STORAGE

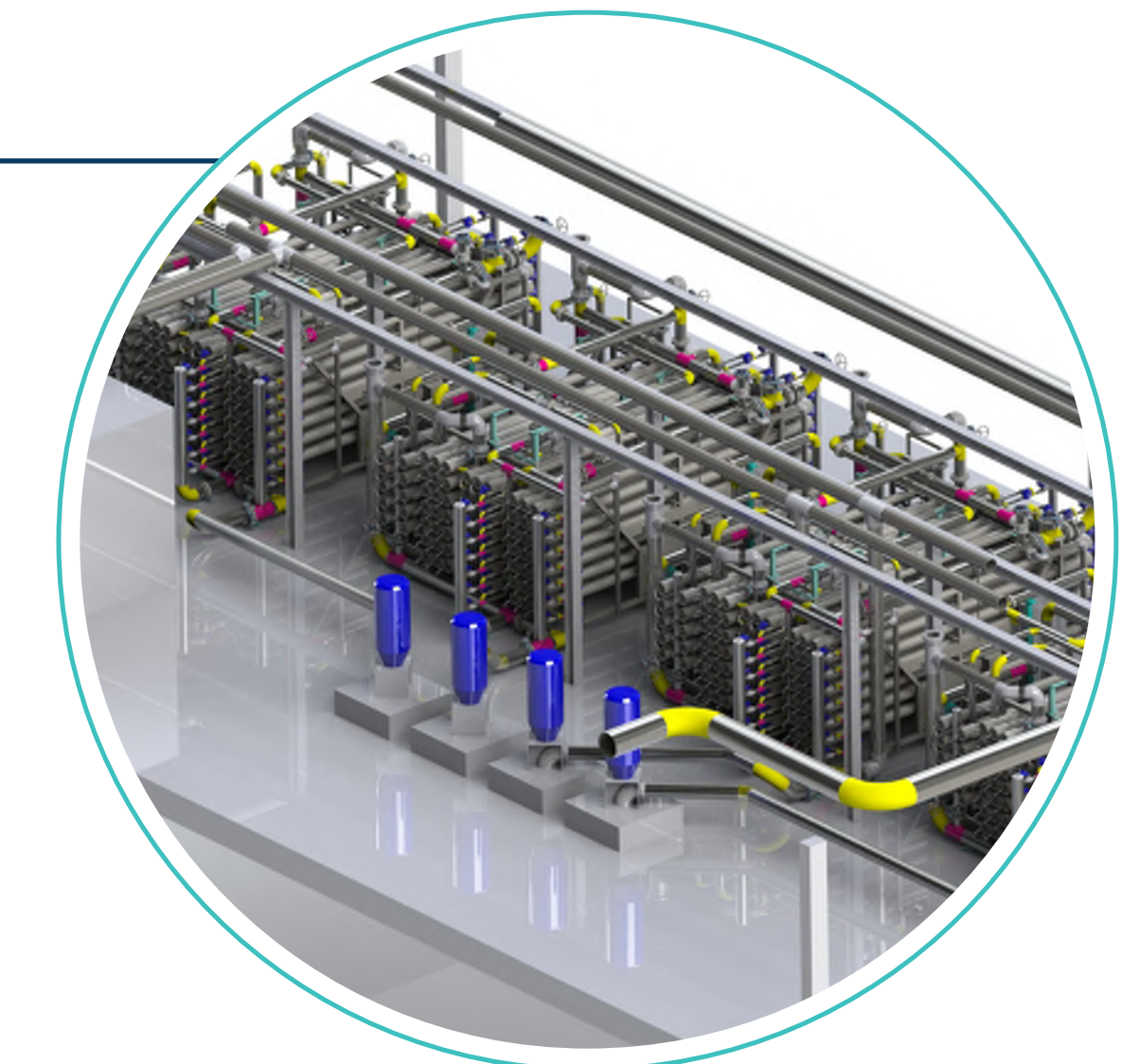
Expansion of chemical storage and feed facilities to support increased water production.

DECARBONATION / AIR STRIPPING

One new decarbonation tower added to provide post-treatment stabilization of RO permeate and removal of residual volatile organic contaminants.

GRANULAR ACTIVATED CARBON FILTRATION

Polishing step after the UV AOP system to provide a multi-barrier treatment system.



FLOW REVERSAL REVERSE OSMOSIS

The City will retrofit its existing reverse osmosis system with the Flow Reversal Reverse Osmosis (FRRO) technology to increase the production efficiency from 80% to 90% or greater.

This innovative technology will be the first of its kind in the United States and allow the City to produce additional high-quality drinking water from the same amount of raw groundwater, which will help reduce groundwater demand.



City of
**Santa
Monica**



Brown
AND
Caldwell