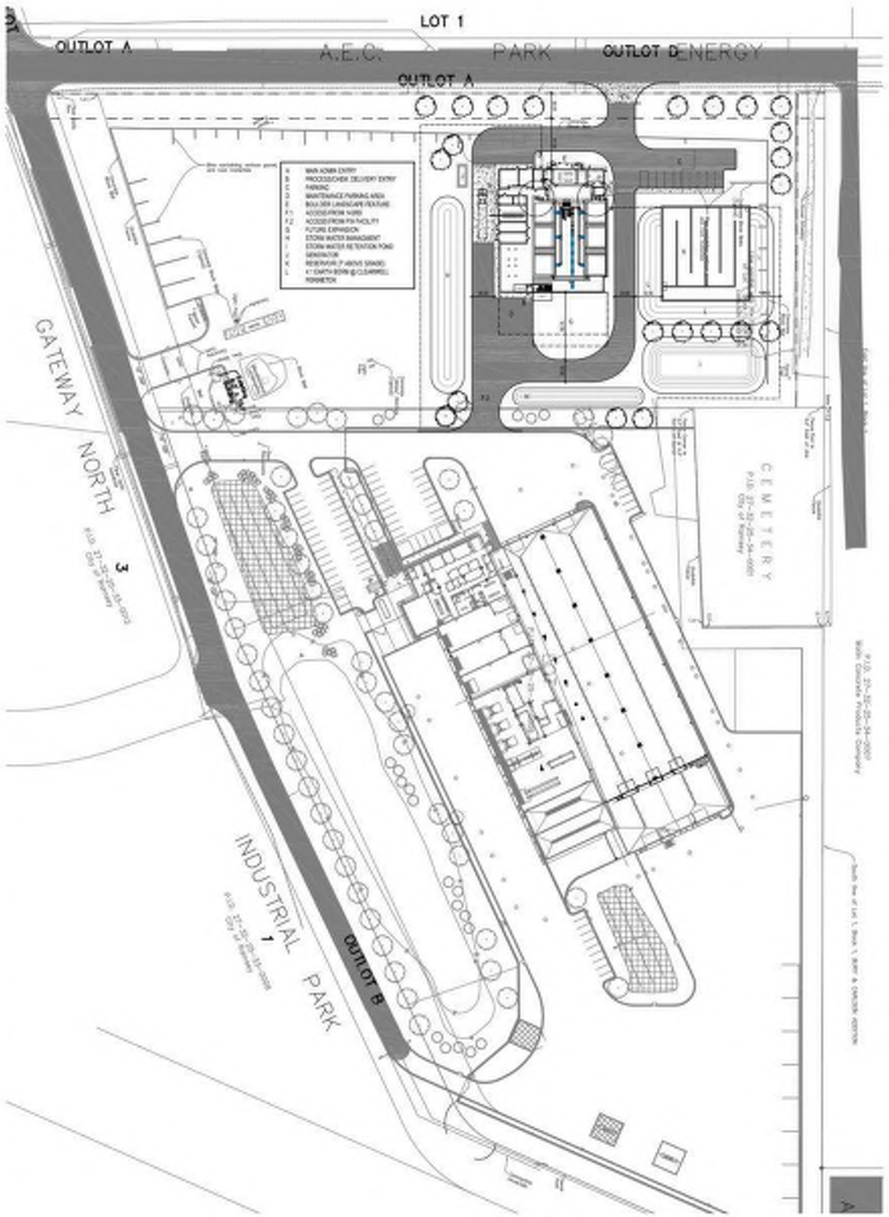
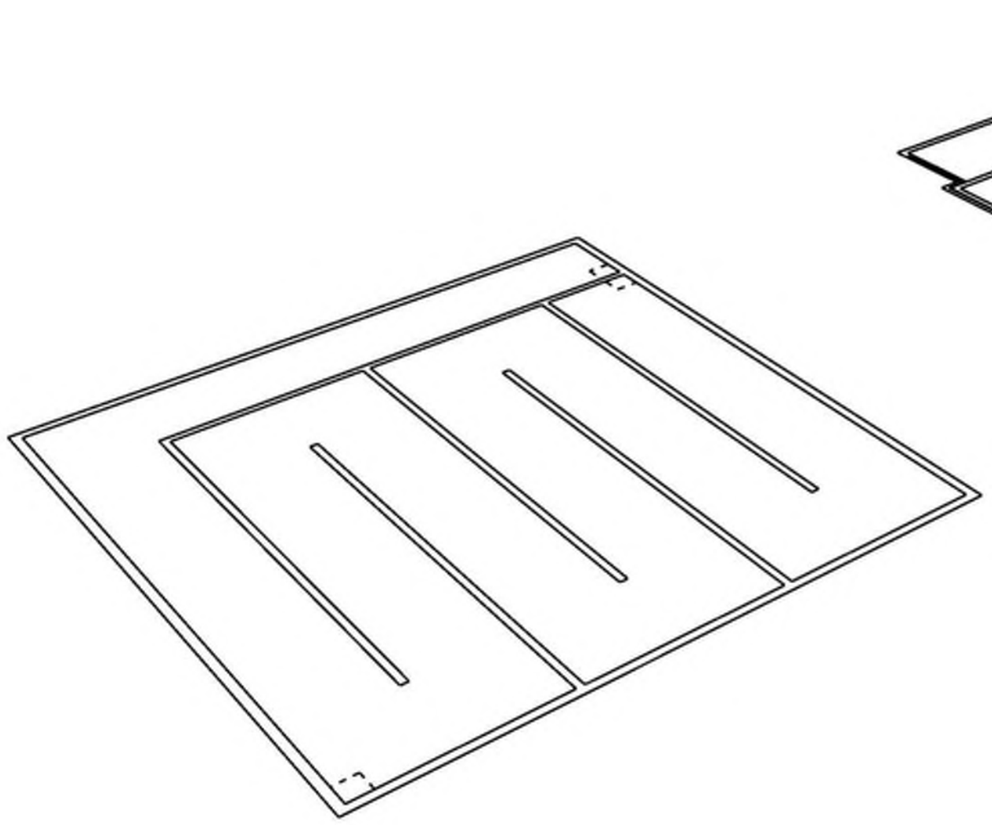


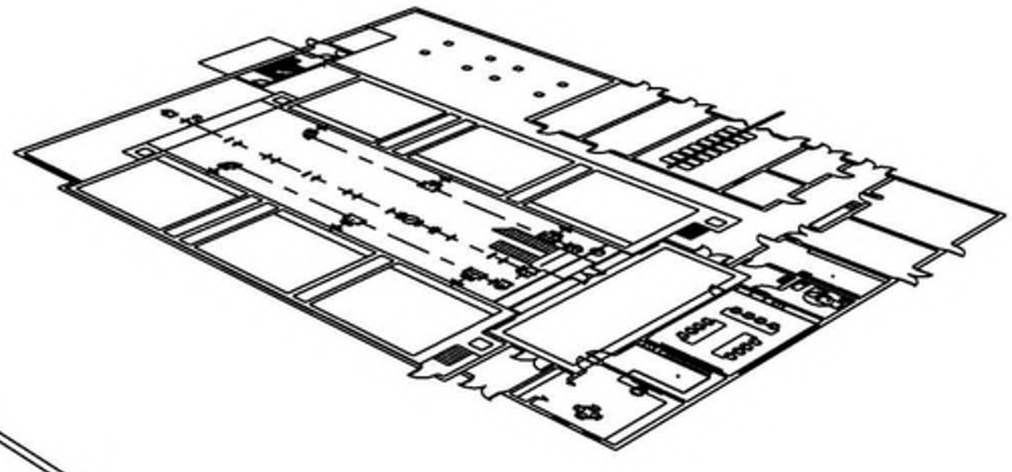
- The Campus Site Plan:

The Ramsey water treatment plant is proposed just north of the newly constructed public works facility. A ring road around the plant provides full access in an emergency and has connections to 143rd Ave. and the public works site, integrating it into the cities municiple campus. Views of the water treatment plant from HWY 10 have been addressed within the overall plant design to help the tall volume blend in with the rest of the campus.

City of RAMSEY

OERTEL ARCHITECTS





- Facility layout:

the layout of the facility has been configured for optimal functionality and longer term use.

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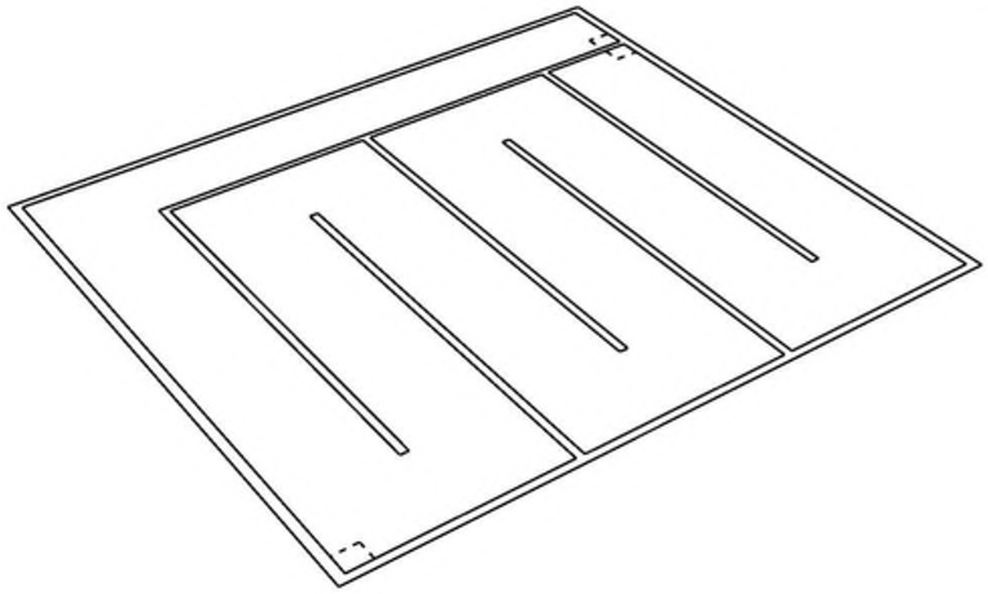

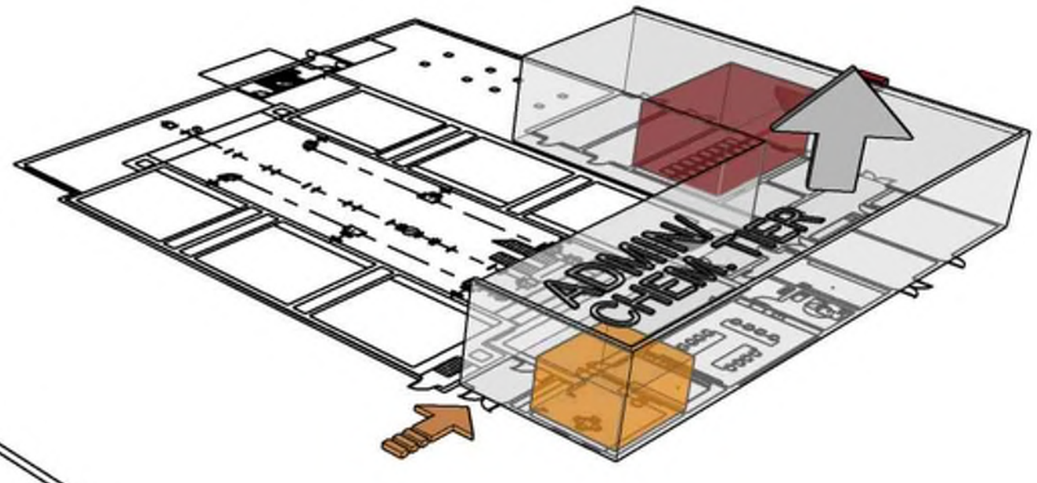

- Administration/chemical tier:

single story height
control room and community engagement/education spaces are located closest to the main entry
chemical storage and delivery access is keep to the opposite side for separation safety

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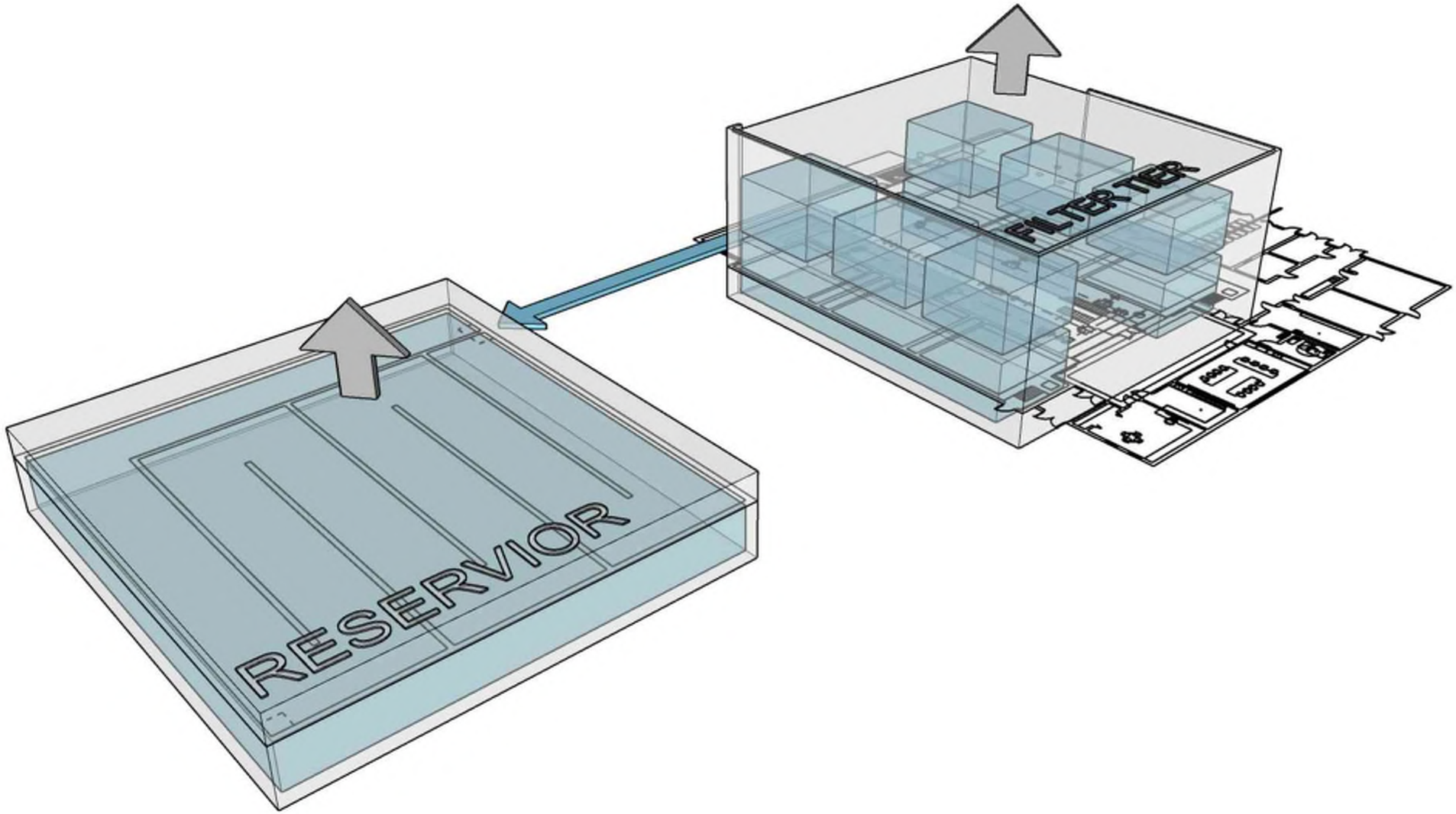

- Filteration tier:

extra height to accomodate both filters and backwash tanks
primary connection to reservoir
functionally located at the center of the facility for most efficient process flow

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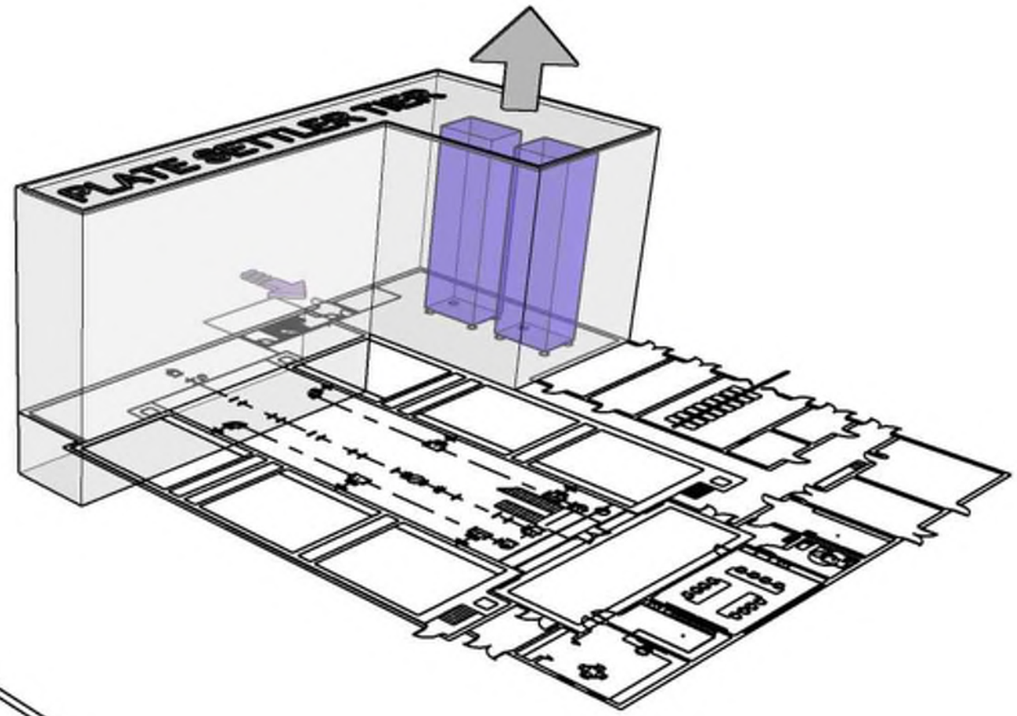

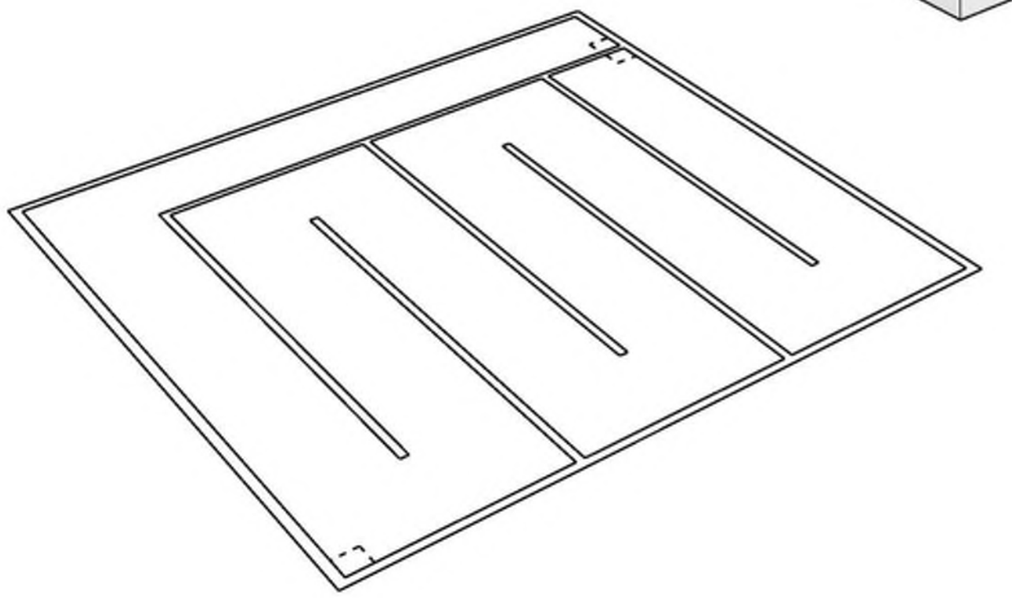

- Plate Settler tier:

highest volume housing 3 story tall plate settlers
positioned at the rear of the facility to minimize facilities presense along 143rd and shield views of roof top equipment from public works and HWY 10

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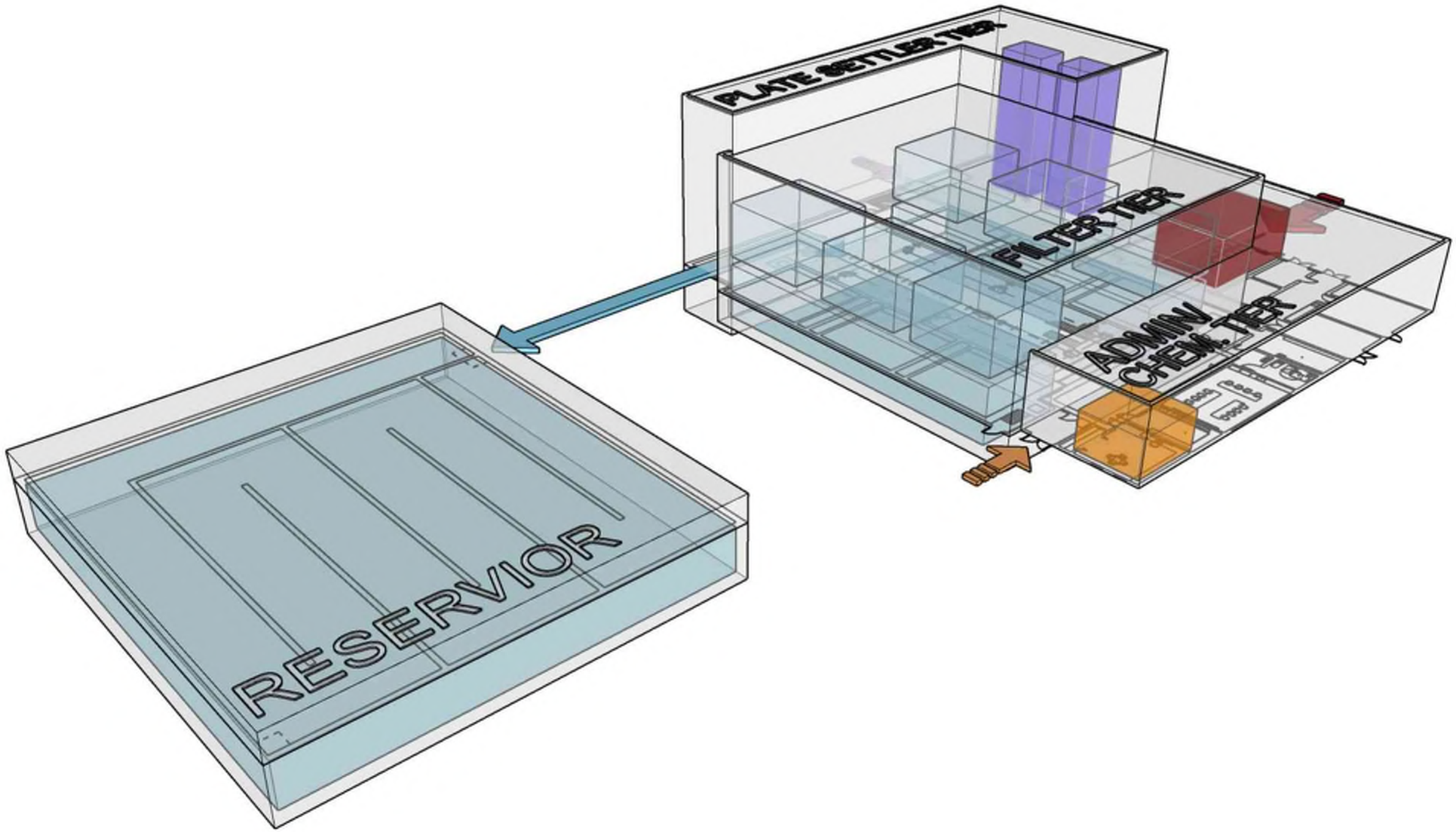

- Facility tiers:

By stepping the different tier heights, we are able to break up and organize the building form in a way that softens its presense along 143rd and begin to delineate building program and function.

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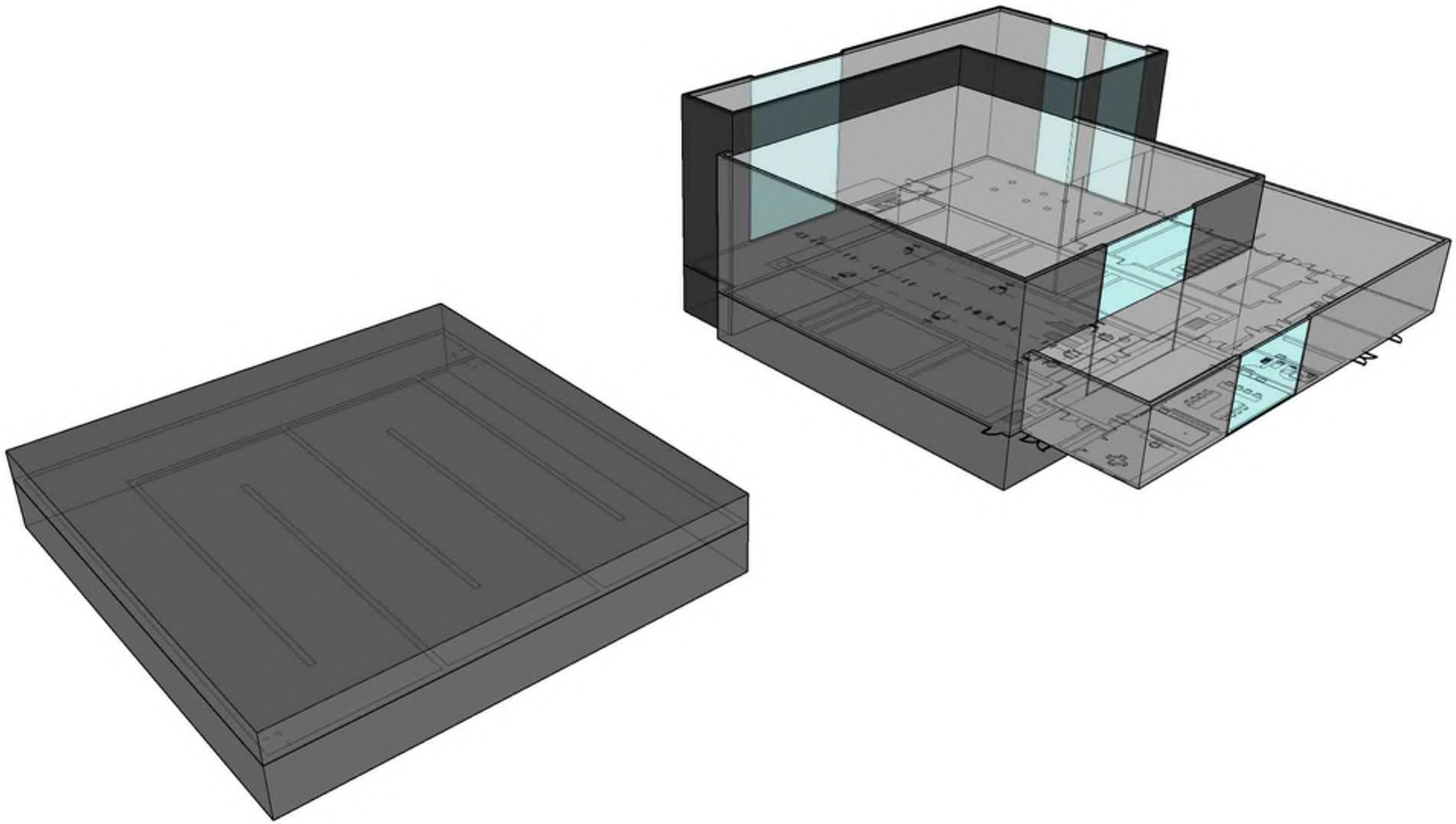

- Facility Openings and Materiality:

Further articulation of the facility form through materiality and translucent openings
large translucent openings strategically located to support the function of the facility while providing an abundance of natural daylight
translucent openings take on a waterfall like quality as they casacde down the different tiers

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OERTEL ARCHITECTS

MAIN ENTRY | JAN. 2022

- The campus front along 143rd Ave..:

The main entry reinforces the campus material palette through the utilization of glazed openings, flat and ribbed metal panels, and architectural insulated precast walls. The exposed face of the reservoir can be made use for a facility/campus monument sign seamlessly blending in with the site fencing.

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- View from Public Works/Hwy 10:

Patterned bump-outs provide a slight relief from the otherwise single material blank elevation facing public works and views from Hwy 10. Soft glowing accent lighting highlight the texture of the ribbed metal panel that is broken by three large sections of translucent panels overflowing from the roof-tops edge.

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- View from Public Works/Hwy 10:

Patterned bump-outs provide a slight relief from the otherwise single material blank elevation facing public works and views from Hwy 10. During daytime hours light and shadow transform this elevation into a dynamic screen wall for the rest of the facility depending on the time of day.

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- Landscaping and Berming:

To soften the campus sides of the reservoir and height of filtration tier, berming and landscaping is used on either side of the connecting access road. The reveals and varied precast finishes of the filtration tier portray a scene of a river valley bank with the differing layers of earth and strata left exposed by the flow of a river.

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- The waterfalls:

from the front elevation view one can see the cascading glass/translucent openings fall down the face of the different tiers. Carving and eroding through the different strata layers of materials, they flood the interior of the facility with an abundance of natural light during the day and illuminate like beacons at night. The cascading waterfalls link the three building tiers together in a picturesque landscape of the water treatment process.

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