New Water Reclamation Facility

Welcome & Purpose

- Update you on the project
- Share the architecture vision and ideas
- Discuss public access and educational components
- Get your input to help shape the project

Project Overview

- Only one serving the City
- Serves around 200,000 people
- Treats about 35 million gallons per day
- Need to rebuild it
  - New water quality standards
  - It’s 55 years old; near end of its life

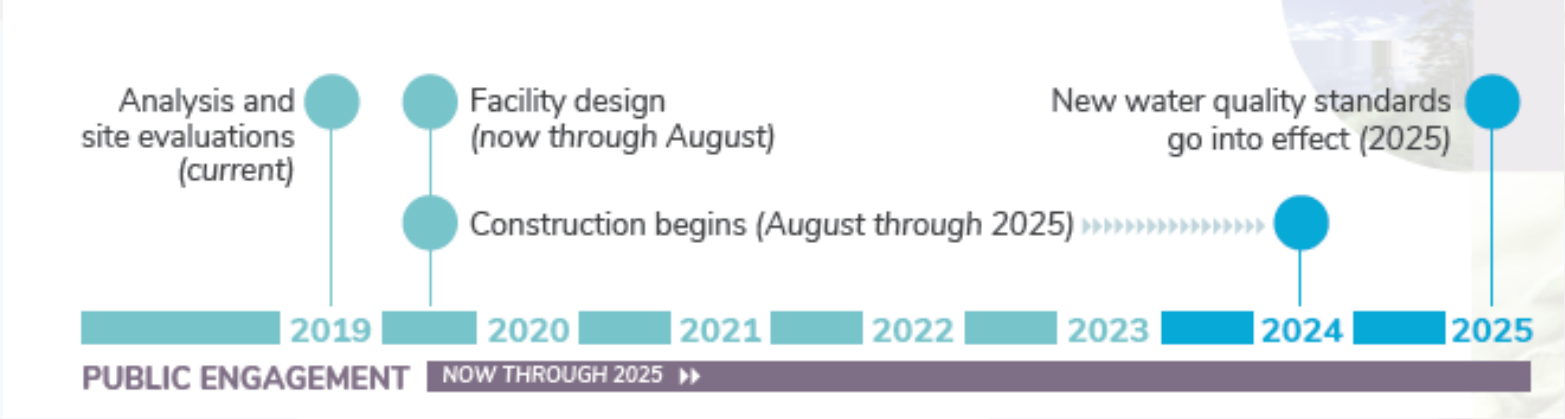
Looking at all our facilities and structures to make sure they operate without failure and can meet future needs.

Rebuilding The Facility

- Must operate during construction
- Construction in phases
- Construction ramps up this spring
- Public engagement throughout

Our Guiding Principles

1. Treat wastewater
2. Cost and budget
3. Safety
4. Public engagement & education
5. Sustainability



What To Expect

- Creating a staging area
- Removing existing concrete solids drying beds
- Bringing in dirt fill and preload material to compact soil

- Increased truck traffic along 2300 N from I-15
- Motorist and pedestrian access maintained
- Plan for traffic management and dust control
- Construction Mon-Fri 7am to 6 pm (if longer needs SLCDPU approval)

We are committed to being a good neighbor and responsible community member

Funding The Project

- Estimated cost $700 million
- Being cost-conscious
- Leveraging most favorable financing available – WIFIA loan
- Paid for slowly overtime
- Customer rate increase

The City's Sustainability Mission

- City has invested in its sustainability mission
- City has developed many sustainability programs
- City seen as a sustainability leader among American cities

In 2017, the Mayor signed a Sustainability Infrastructure Executive Order calling for citywide collaboration on sustainability.

- Net-zero energy buildings
- LEED design standards
- Sustainable infrastructure
- Comprehensive energy management

How We Are Applying It

- Administration building
- Campus infrastructure
- Existing buildings

Why Engage The Public?

- Plant is owned by and benefits City residents
- Reflect community needs and values
- Create a legacy the community can be proud of
- Be a model, cost-conscious large infrastructure project
- Develop ongoing education about water and sustainability

Engagement To-date

- Stakeholder interviews
- Media relations
- Informational mailings
- Project website
- Design charrette workshop – Oct 2016
- City Council tour – March 2017
- Rose Park community festival – May 2017
- Open houses – April 2019
- Working groups – Sep & Dec 2019
- Orange snow cone events – Sept 2019
- Groundbreaking – Oct 2019
- Construction letters – Jan 2020

What We've Heard

Facility Aesthetics
- Natural exteriors (wood)
- Modern look
- Reclaimed/recycled materials
- Water sculptures and art installations
- **Connect administration building to the wetlands**

Wetlands
- **Public access**
- Boardwalks and an observation tower
- Minimize lighting, consider down-lighting and light coming from buildings
- Reduce reflective panels
- Use patterns that work for birds

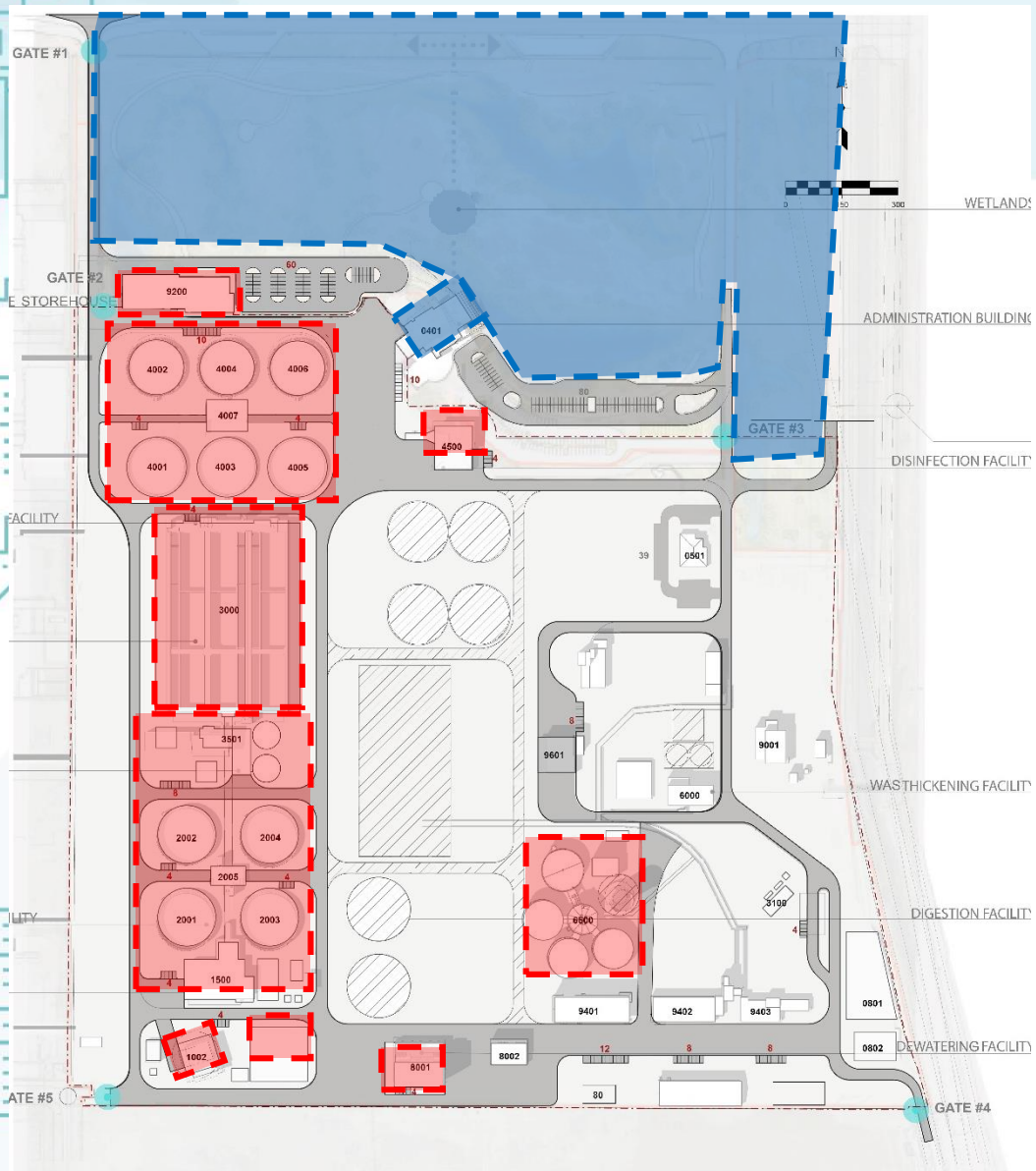
Trails
- **Create public trails**
- Connect to other amenities in the area

Landscaping
- Native species and plantings
- Berms to screen facility
- **Bird habitat opportunities**
- Connect habitats through corridors and green space

Educational Opportunities
- **Tour and field trip opportunities**
- Outdoor classroom
- Education about water, stewardship and sustainability
- Highlight LEED components
- **Highlight the connection between the mountains, the Jordan River and the Great Salt Lake**

Crime & Vandalism
- Lighting and landscape plantings
- **LED lights focused down**
- Tall wrought iron fencing

Facility Design



Process & Operational Buildings

Administration Building & Wetlands

Opportunity For

- Public meeting space
- Educational elements
- Public access to wetlands

Salt Lake City Invests In Design

Sky

Mountain

River

City

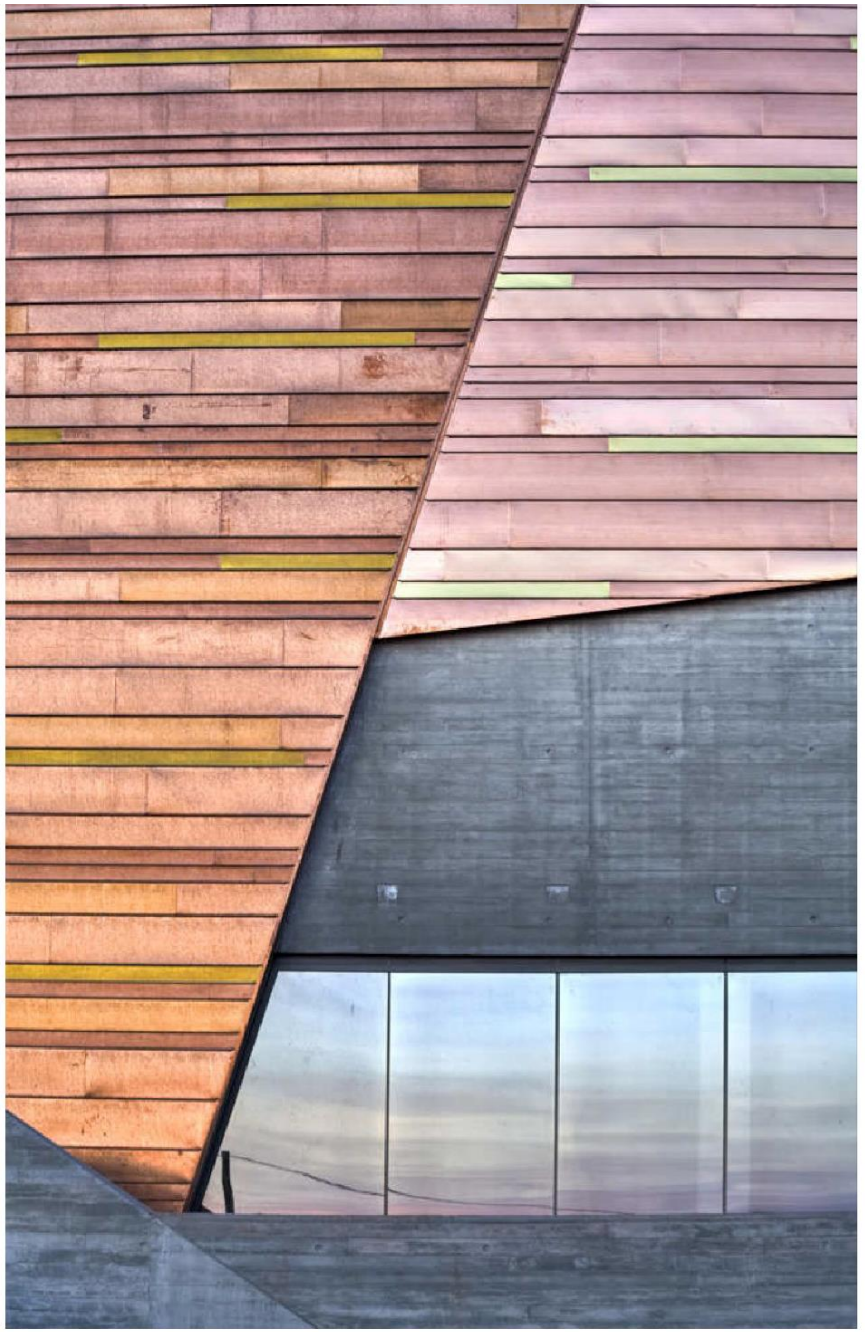
Sewer

Reclamation

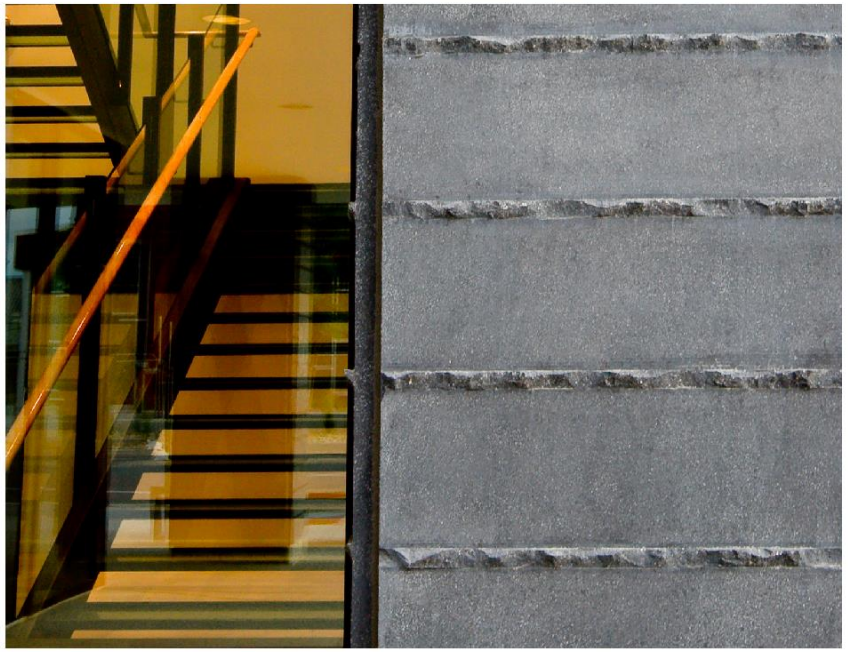

Mountain
City
Reclamation
Lake

Mountain

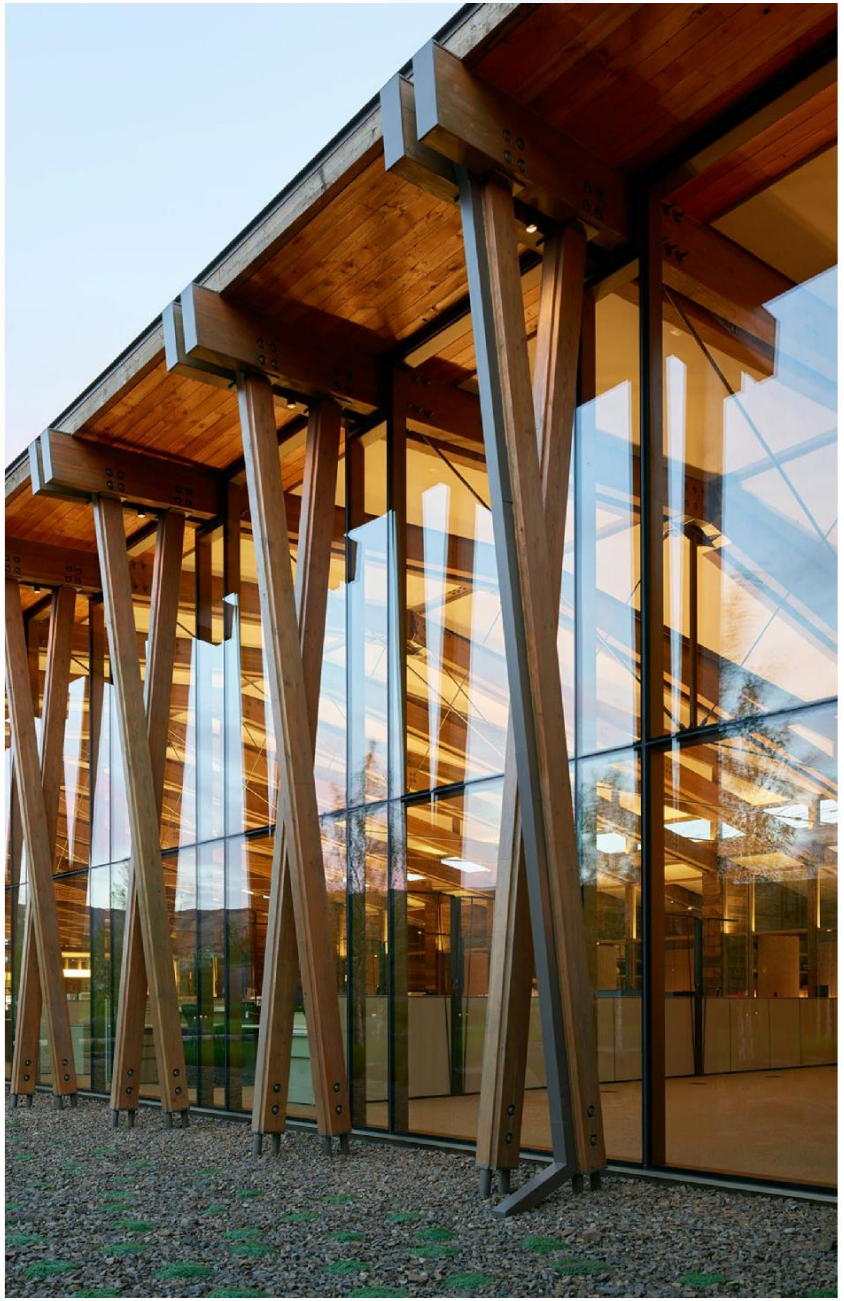
City



Reclamation



Lake



SITE PERSPECTIVES

Existing

Proposed

Location: 2300N, East edge of SLC Water Reclamation Facility
Perspective: South

Existing

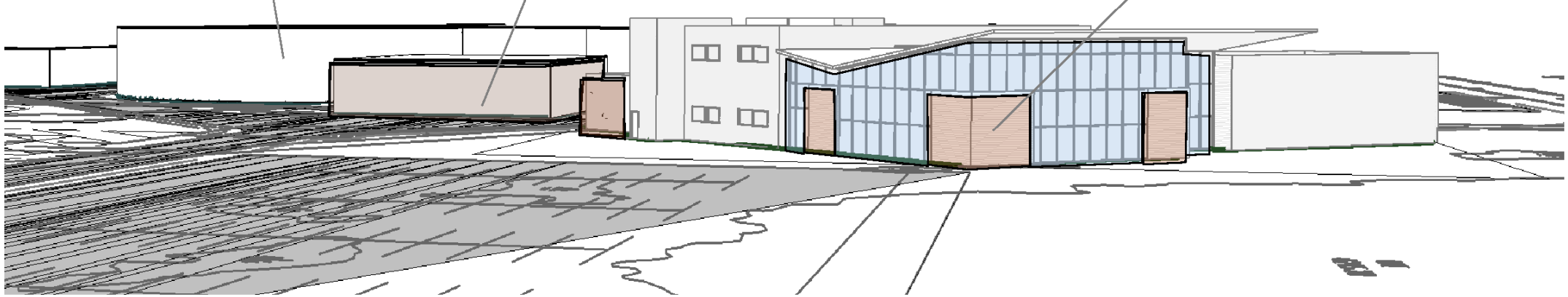
Proposed

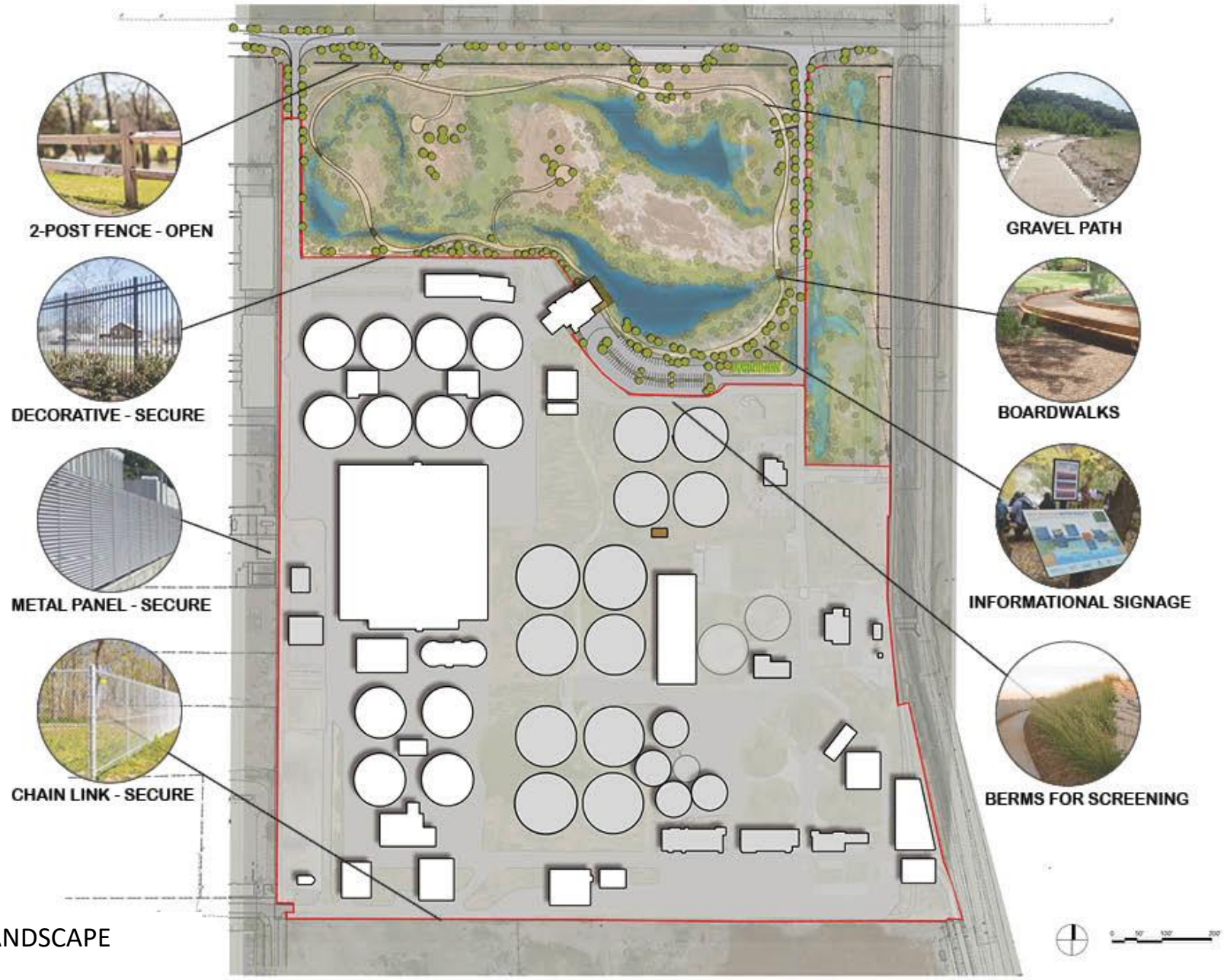
Location: I-15, east of Water Reclamation Facility
Perspective: West

PROCESS STRUCTURES

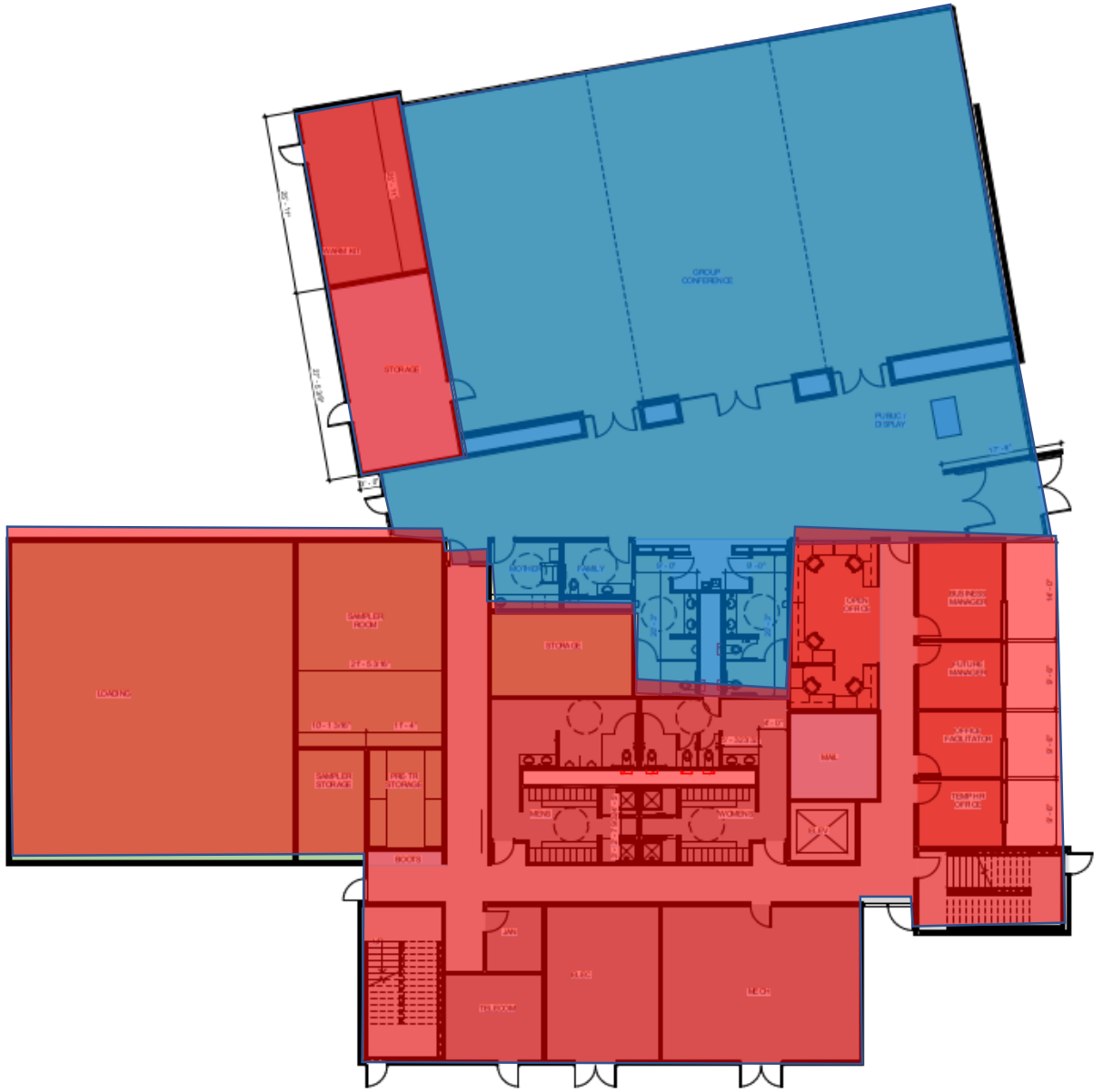
PRIMARY BUILDINGS

PUBLIC BUILDING





SITE LANDSCAPE



Public Access

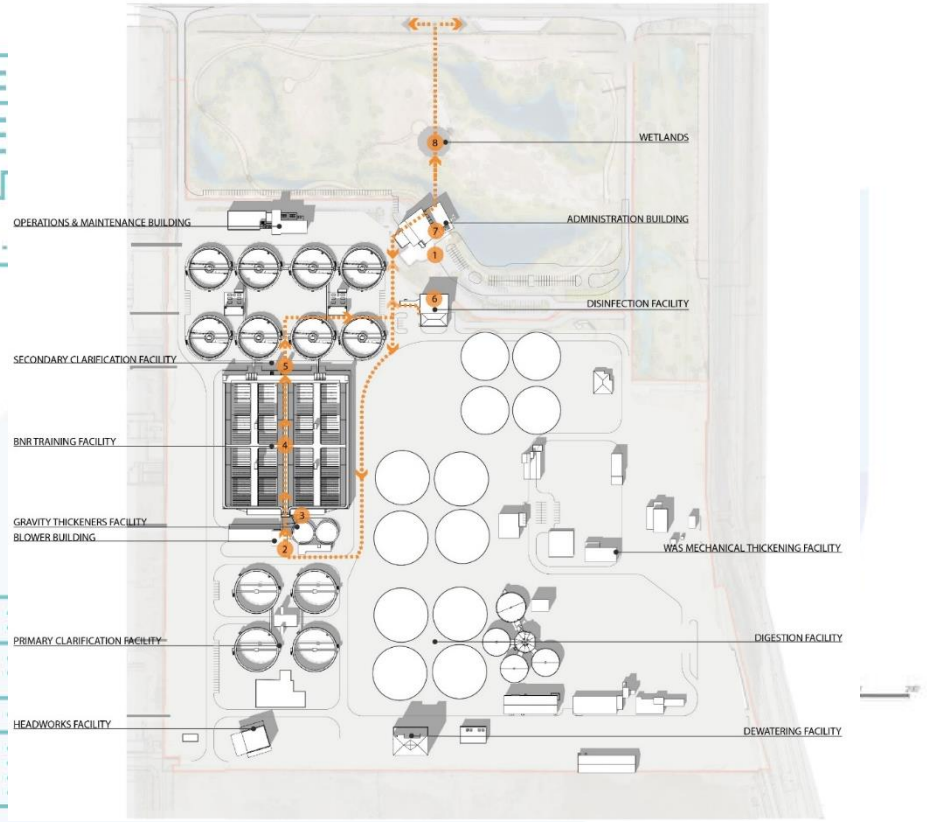
- Meeting room
- Restrooms
- Educational elements

Secure Access

- Administration
- Pre-treatment
- Building support space

Introducing Educational Components

Guided Tour Path



Educational Signs & Displays









We Want Your Input

- Do you like the architectural vision?
- Do you like the suggested building materials and how they are used?
- Do you like the architectural concept for the administration building?
- How do you see the administration building space being used by the public?
- How do you see the public using the wetlands area?
- What types of educational elements would you like to see and where?
- We've heard from you that you like the wetlands and transition area to include an observation deck, board walk, outdoor classrooms, and picnic tables. Can you tell us which of these items are most important to you?

    - **You can put your thoughts on sticky notes and place them on the boards**
    - **We have a formal comment table with comment sheets for you to fill out**

What's Next?

- Start of construction activities
- WIFIA loan application
- Next round of open houses

Thank you for coming.
We appreciate your input.