



Dry Creek Ranch Wastewater Treatment Facility

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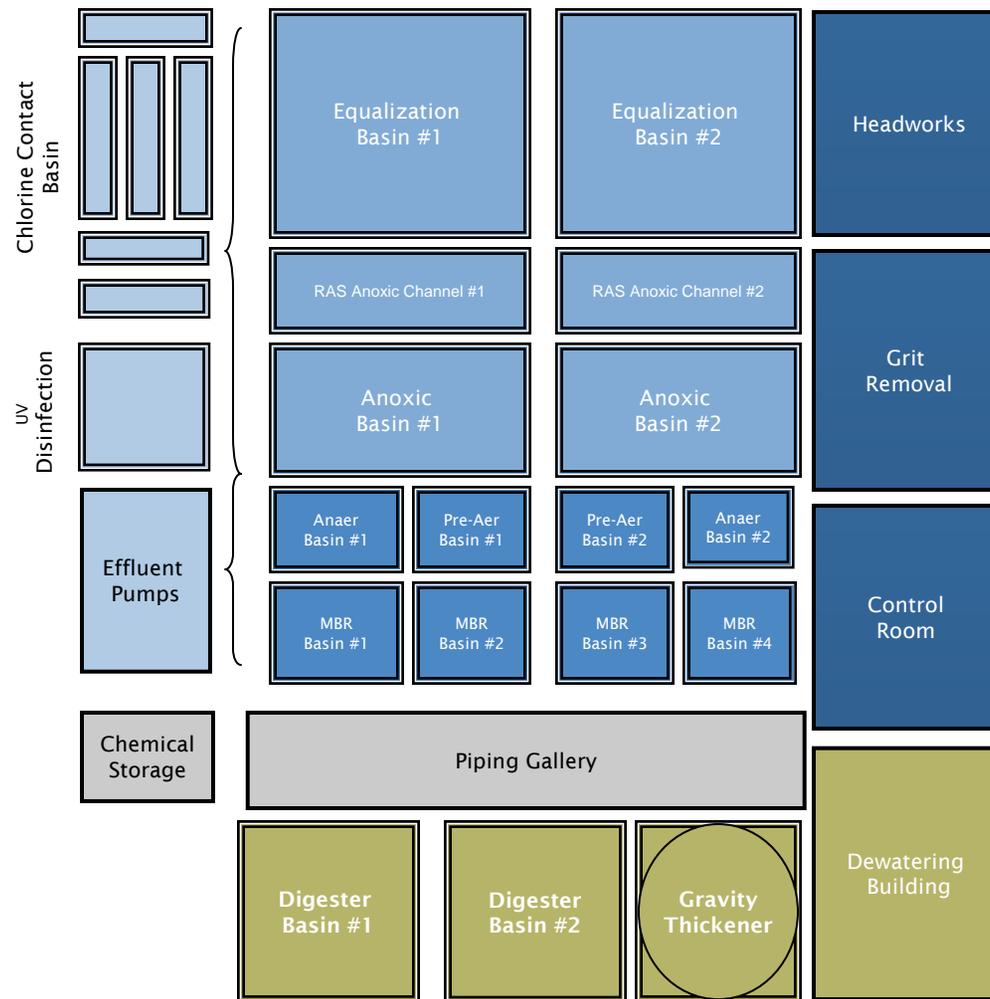
Agenda

- **Treatment System Overview**
- **Drivers for Class A Reuse**
- **Project Challenges**

Overview of Wastewater Treatment Plant

- Utilize MBR technology and treat to Class A Reclaimed Water standards
- Class B Biosolids
- Capacity: 1,150,000 gallons/day (avg)
- Reuse of Reclaimed Water within Development:
 - Ground water recharge via infiltration Basins
 - Irrigation of common area and private yards
 - Storage
- Optional discharge to Dry Creek during winter months

Wastewater Treatment Plant: Preliminary Layout



Drivers for Class A Reuse

- **City of Boise, Hidden Springs and Eagle Sewer District unable to serve**
- **Need for water to supplement existing water rights**
- **Dry Creek is an intermittent stream which feeds to Boise River**

Challenges for Project

- **Permeability of soils for infiltration**
- **DEQ requirement to treat to 0.1 mg/l P**
- **Size of pond required for year-round storage competes with desire to maximize developable land**

Challenges for Project (Cont)

- **Ownership and operation of facility**
- **Ownership and operation of irrigation system**
- **Funding of facilities**
- **Guaranteed discharge point**

Questions?

Thank you for your attention

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