



DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

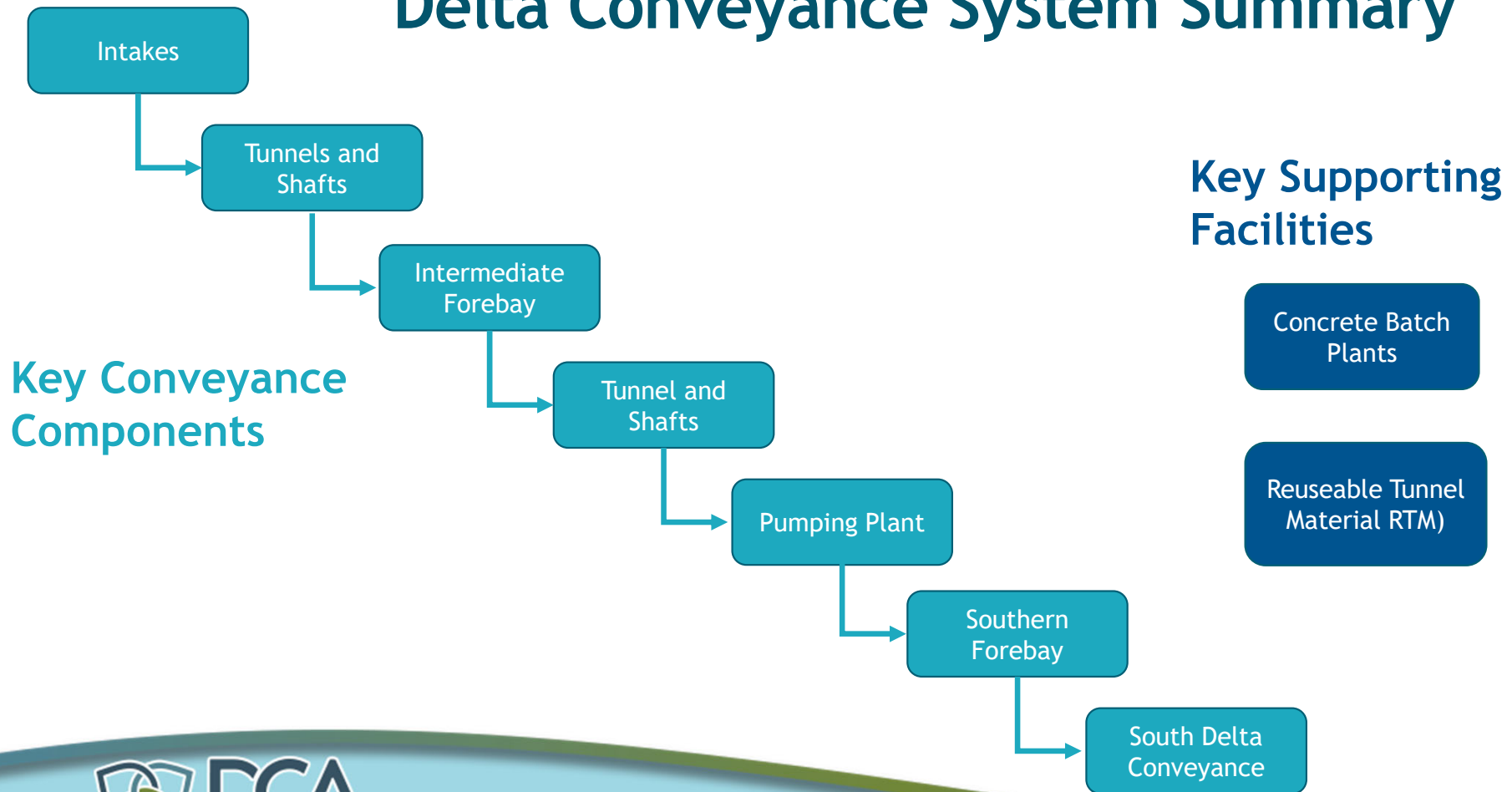
STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Stakeholder Engagement Committee (SEC)

Abridged Presentation: Conveyance System Overview - Components

Presented at the December 11, 2019 SEC Meeting

Delta Conveyance System Summary



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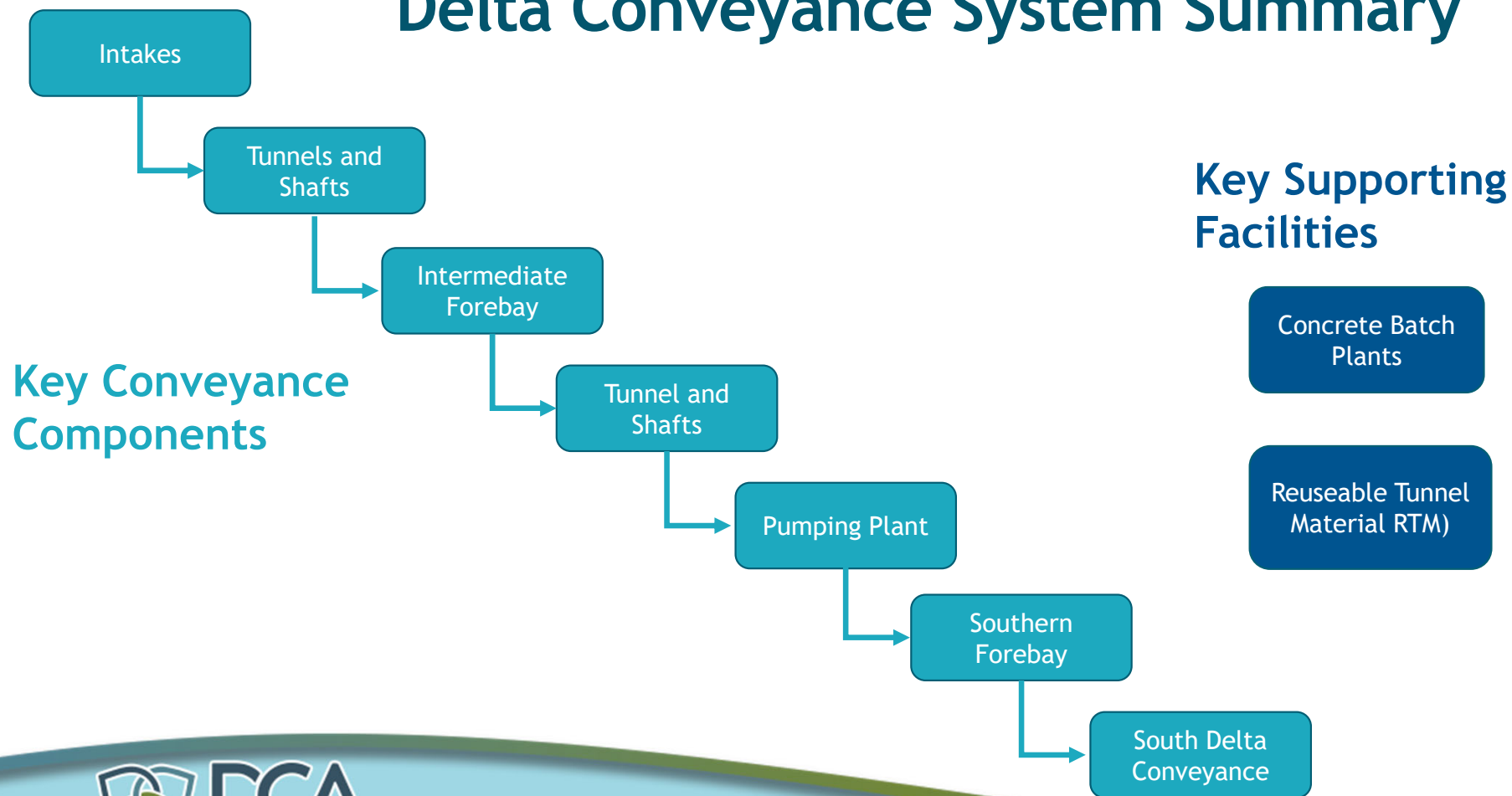
Conveyance System Overview (Animation)



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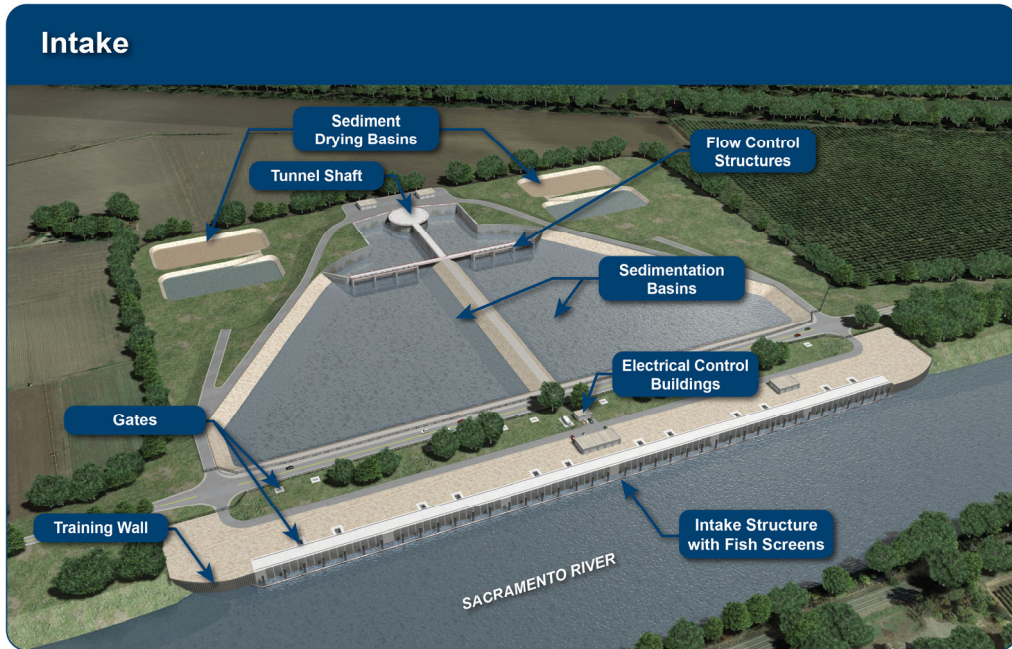
Delta Conveyance System Summary



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Component Features: Intake



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Purpose

- Diverts water from a water source into the conveyance system
- Protects fish from entering system
- Controls the flow rate of diversions
- Removes sediment from entering tunnel
- Provides flood protection

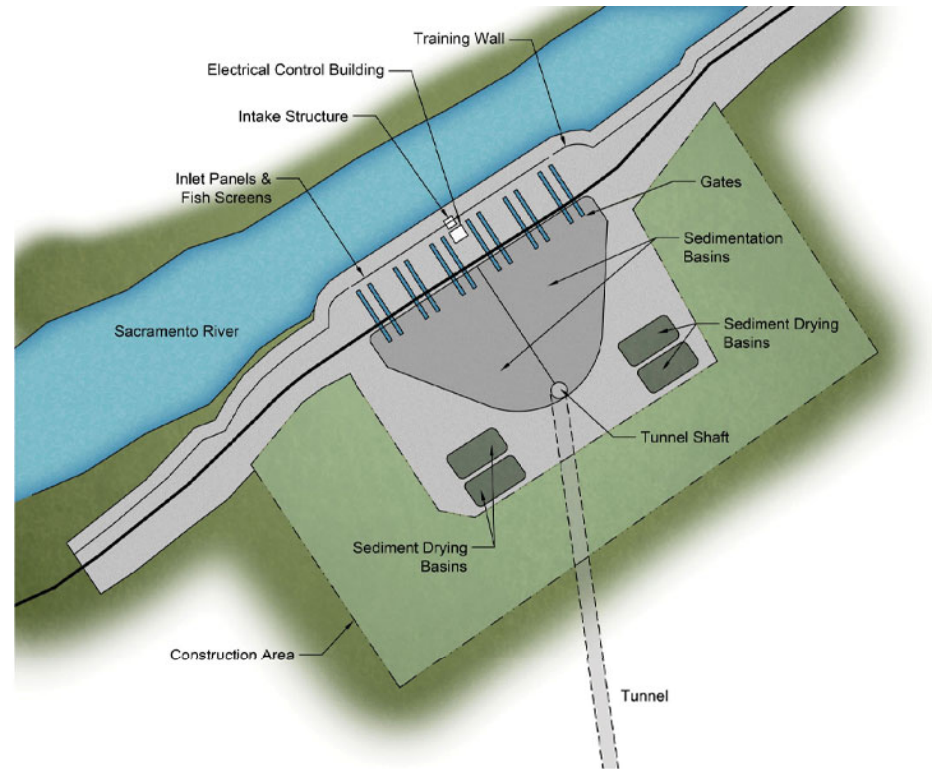


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Construction Site Plan: Intake

Requires approximately 115-120 acres for construction



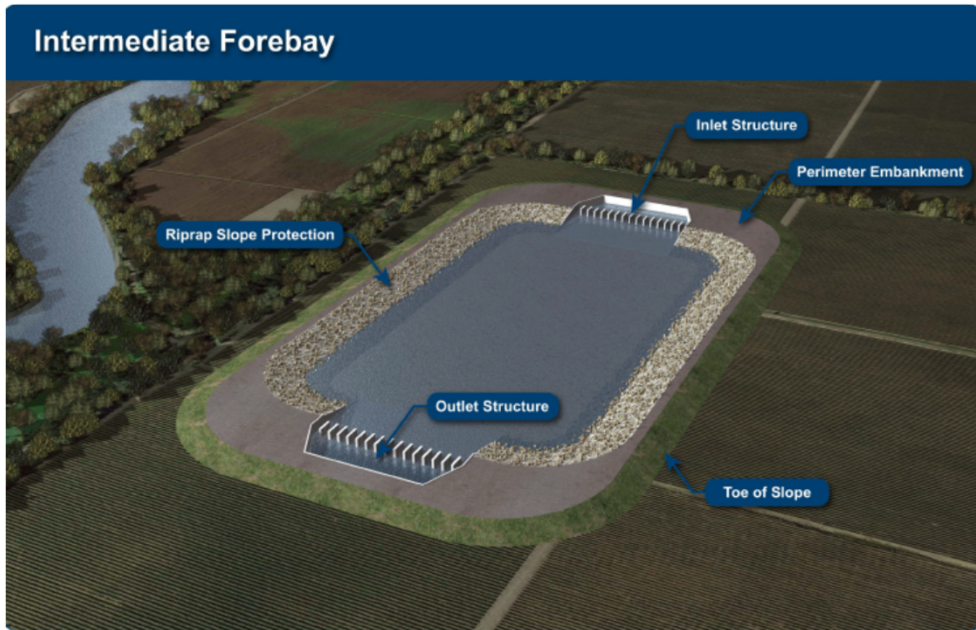
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Component Features: Intermediate Forebay



Purpose

Water storage volume to balance the flow between the intakes and the pumping station

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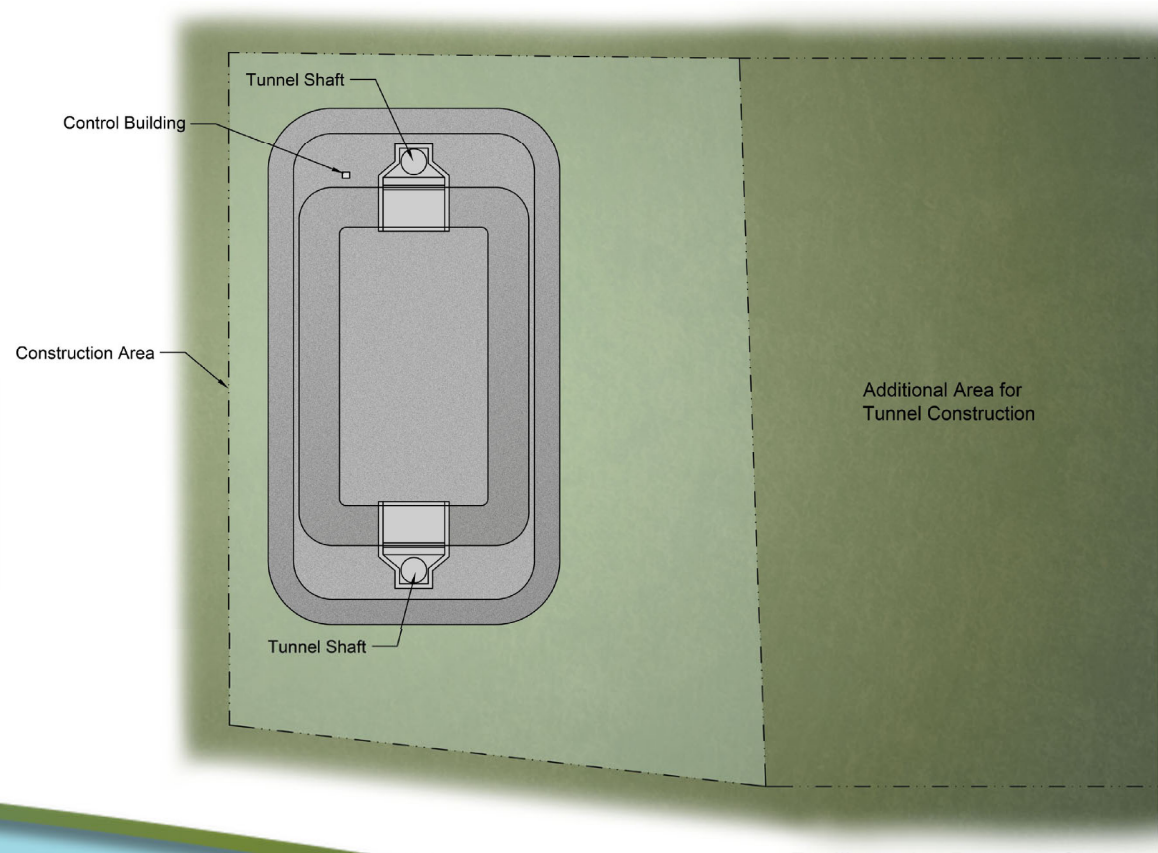


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Construction Site Plan: Intermediate Forebay

Requires approximately 250 acres



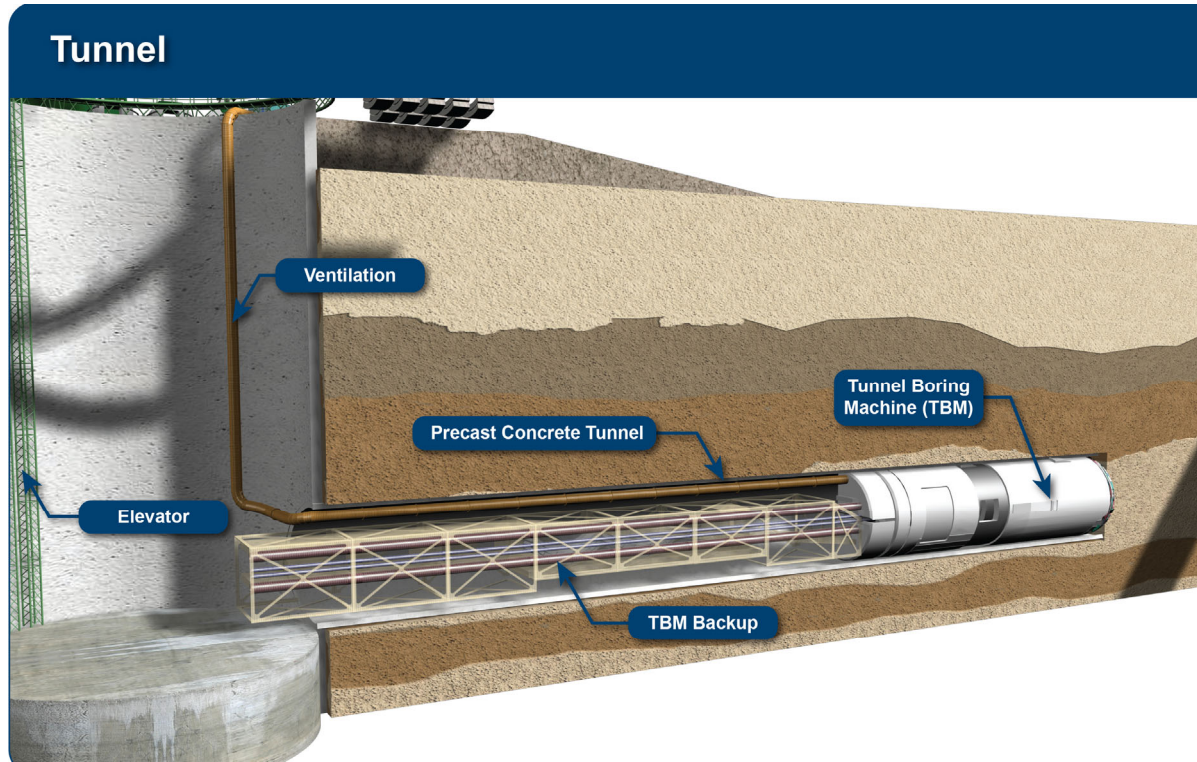
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Component Features: Tunnel Launch Shaft



Purpose

The starting location of a tunnel drive that provides access for a tunnel boring machine during construction

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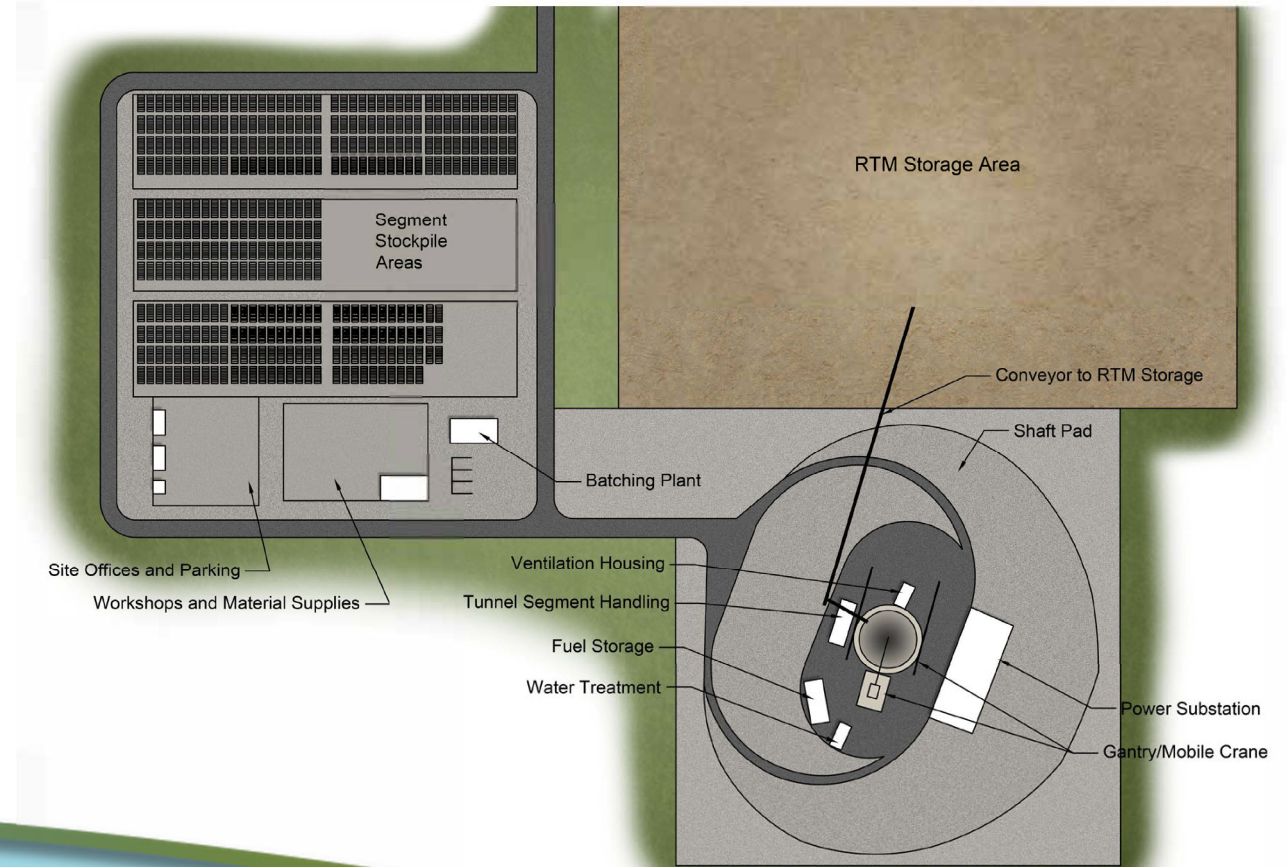


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Construction Site Plan: Tunnel Launch Shaft

Requires up to
approximately 450 acres



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Component Features: Tunnel (Animation)

Purpose

Transports water from the intakes to the new Pumping Plant in the South Delta

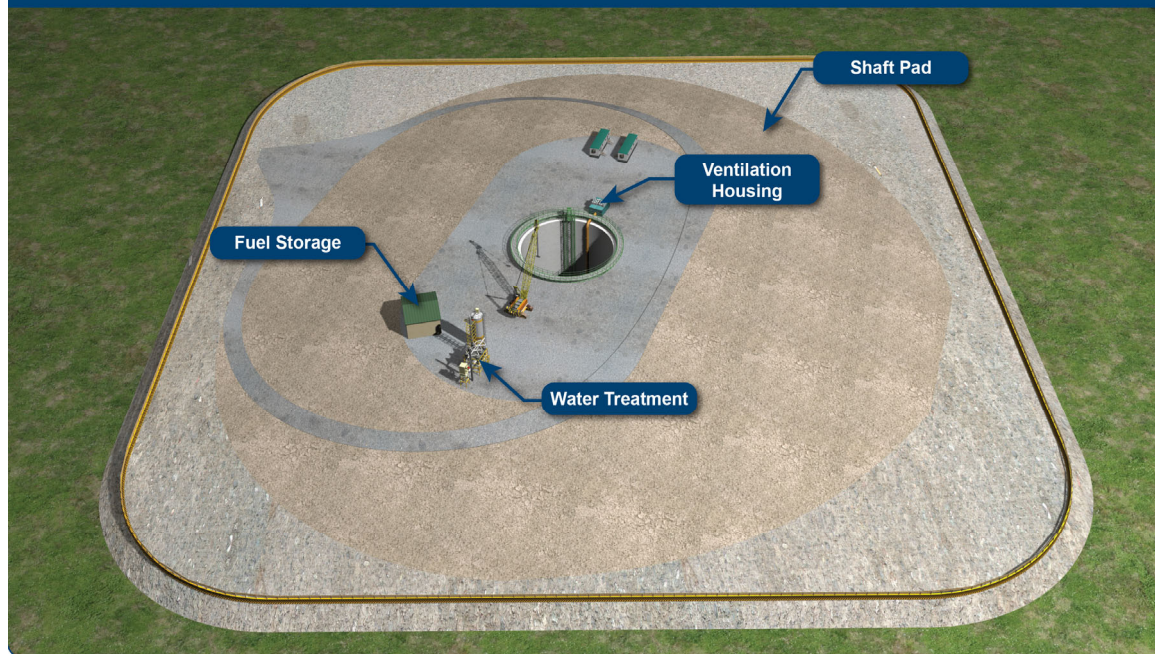


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Component Features: Tunnel Retrieval Shaft

Retrieval Shaft



Purpose

The ending location of a tunnel drive through which the boring machine can be disassembled and removed after it has bored a tunnel

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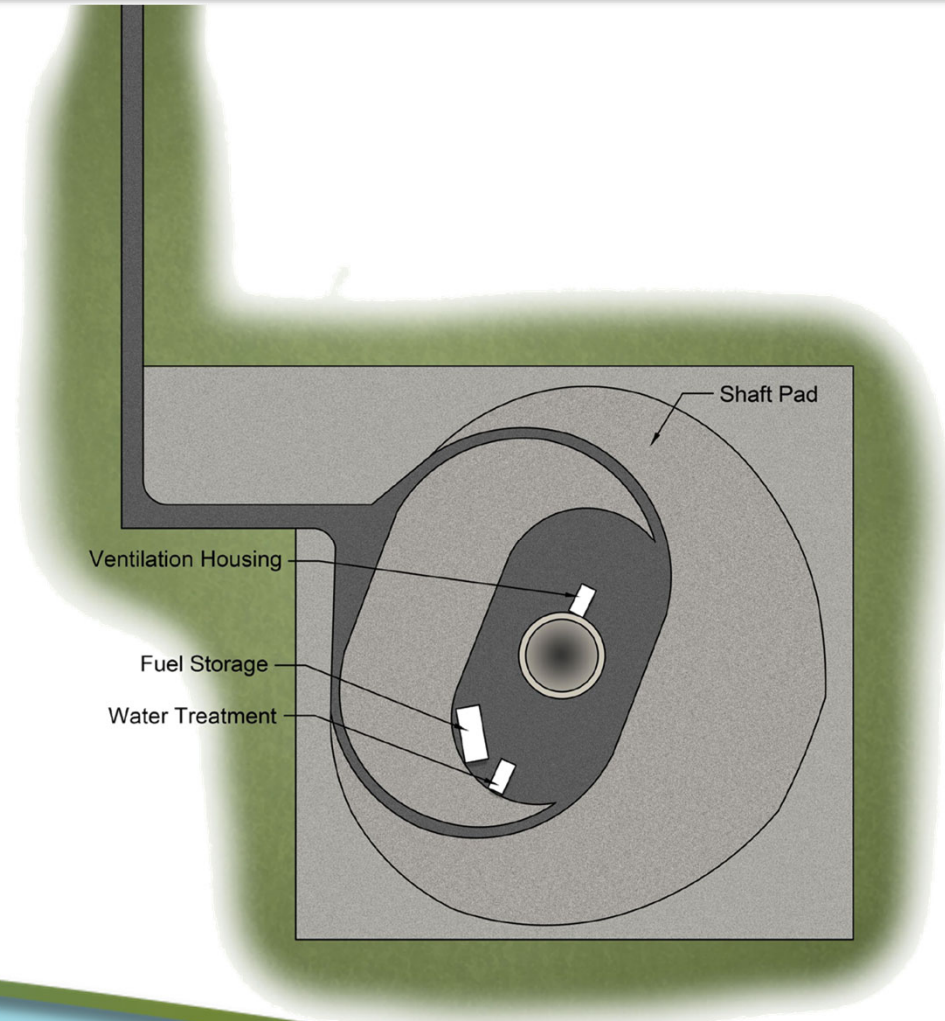


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Construction Site Plan: Tunnel Retrieval Shaft

Requires approximately 4 acres



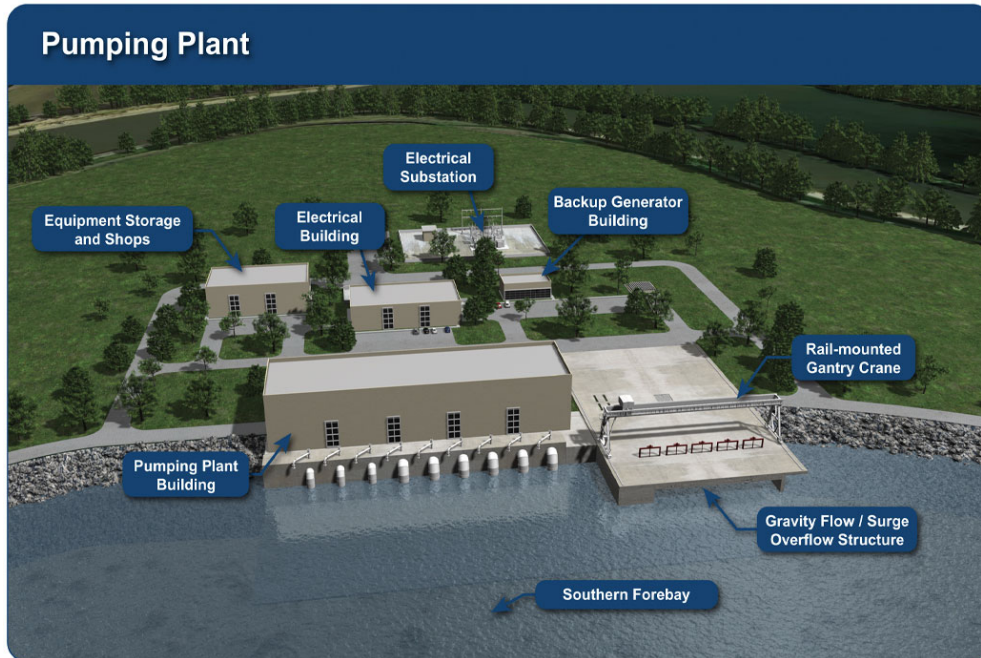
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Component Features: Pumping Plant



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Purpose

Lifts the water up from the tunnel into a new Southern Forebay near the existing Clifton Court Forebay. This begins the process of integrating the proposed Delta conveyance system into the existing State Water Project system

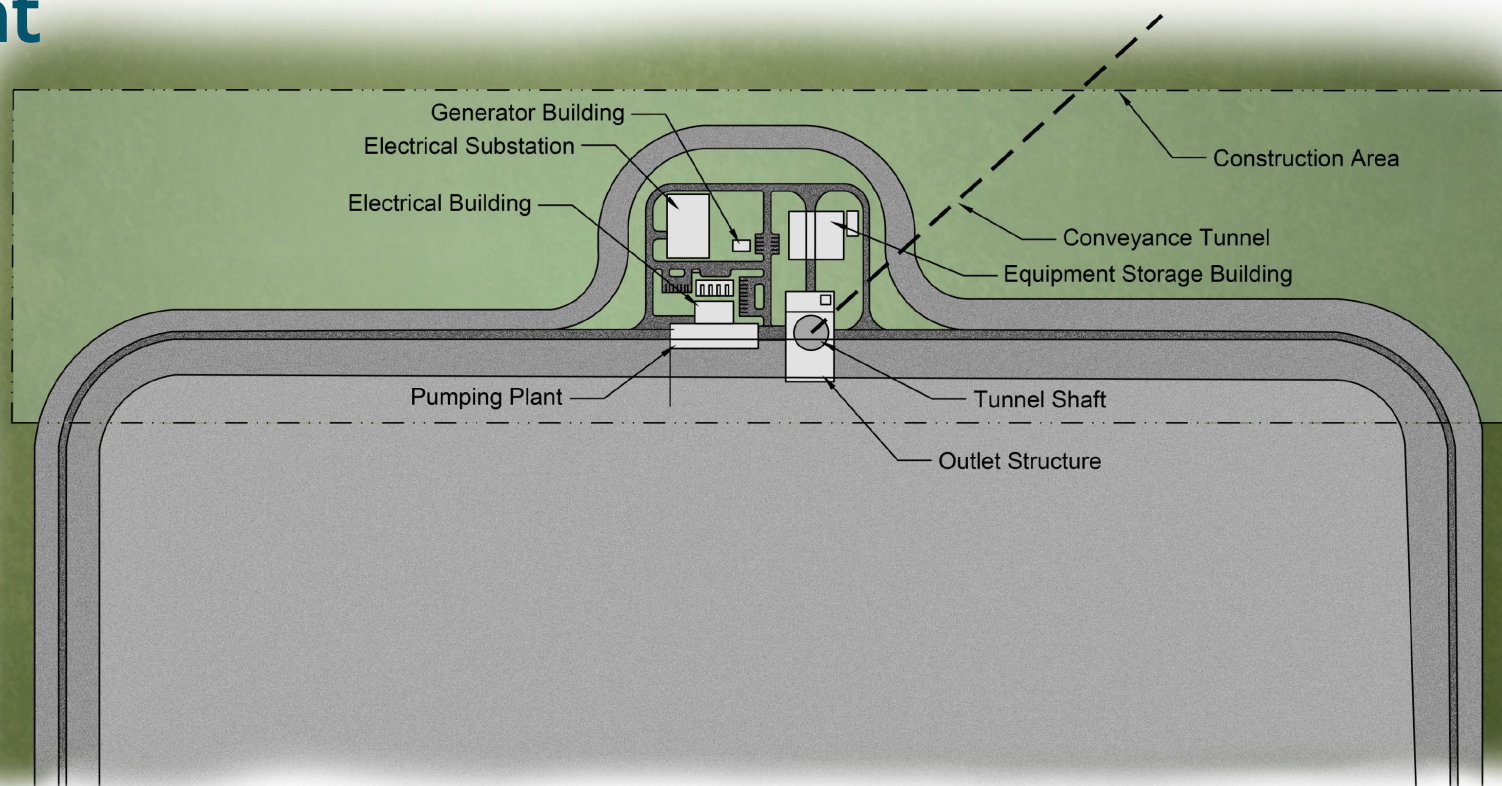


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Construction Site Plan: Pumping Plant

Requires
approximately
25 acres



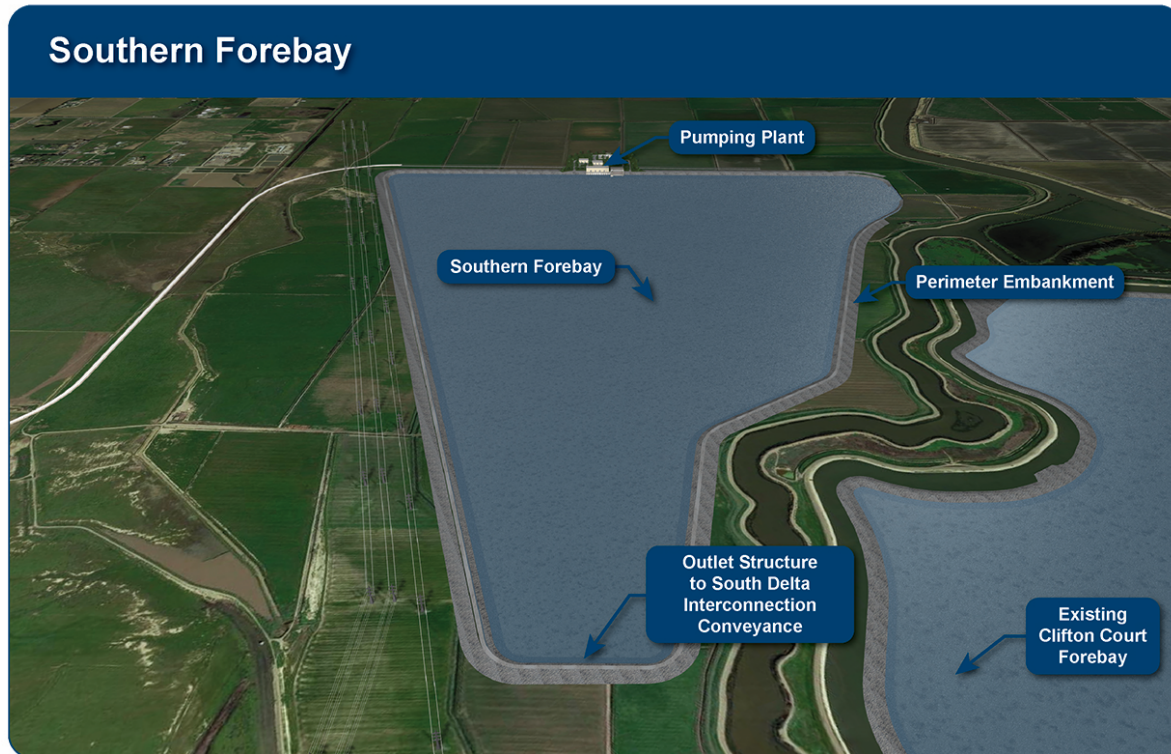
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Component Features: Southern Forebay



Purpose

Balances inflow and outflow by storing water conveyed by the system until it is released to existing water facilities

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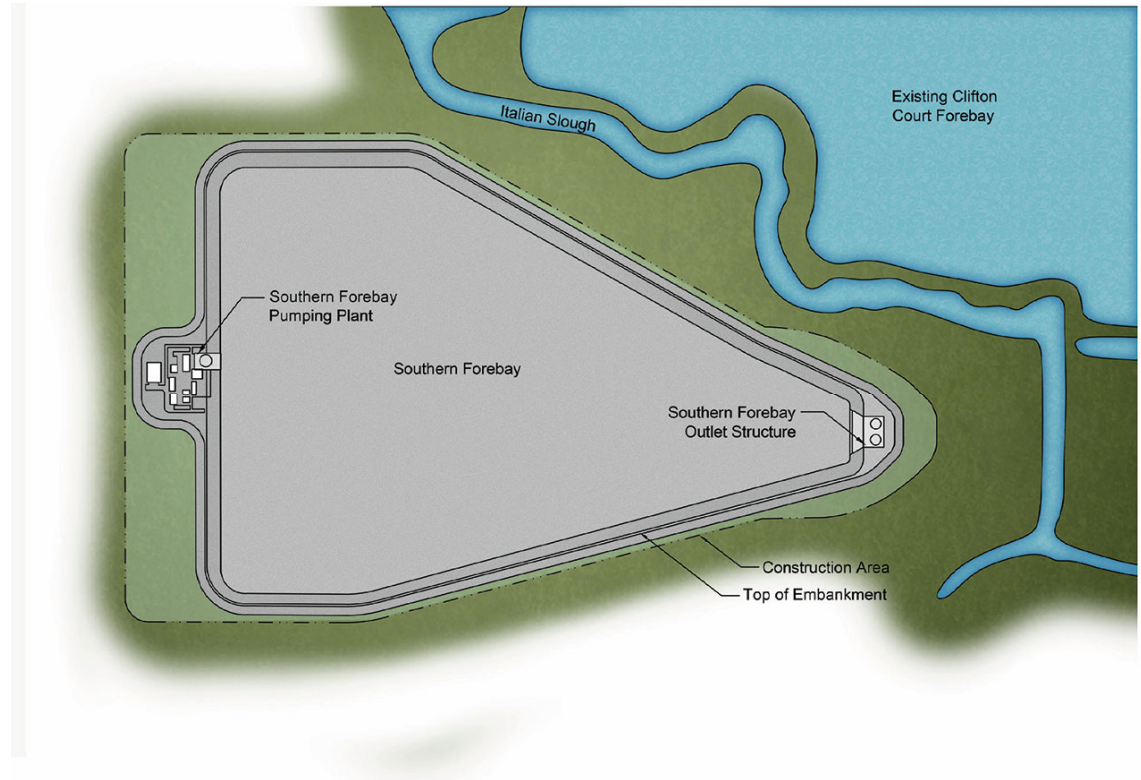


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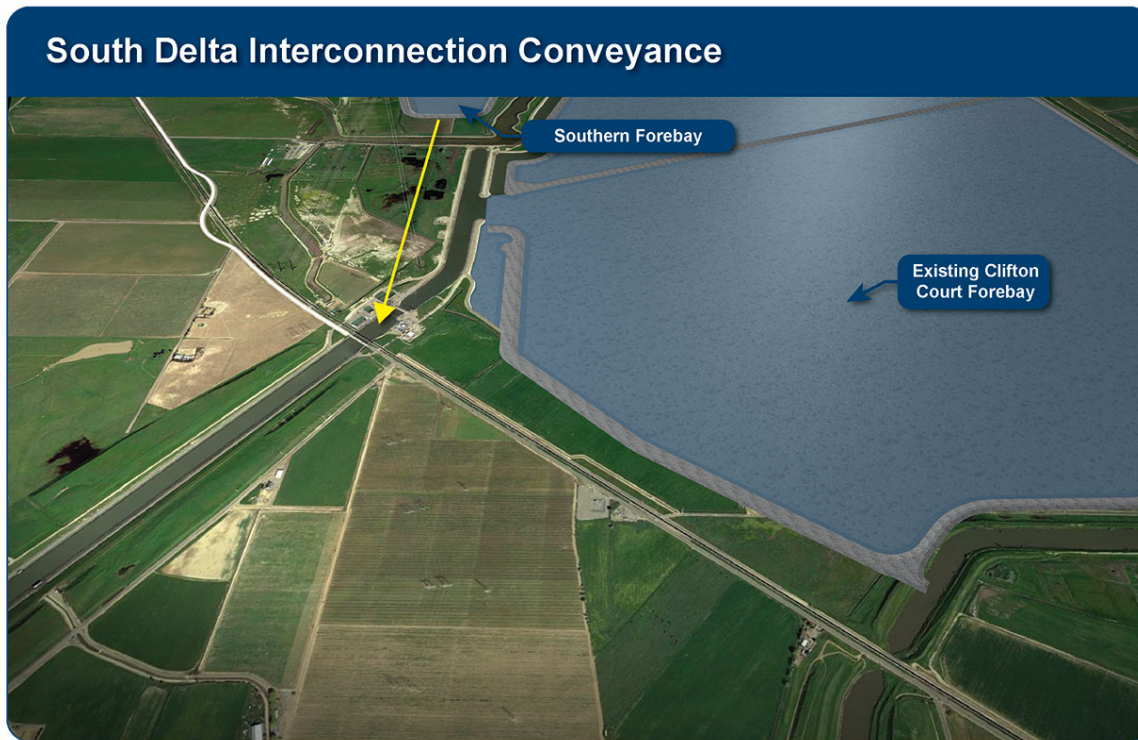
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Construction Site Plan: Southern Forebay

- Requires approximately 1100 acres
- Large area required due to storage needs



Component Features: South Delta Interconnection Conveyance to Existing Pumping Plants



Purpose

Conveys water from proposed Southern Forebay to existing pumping plants

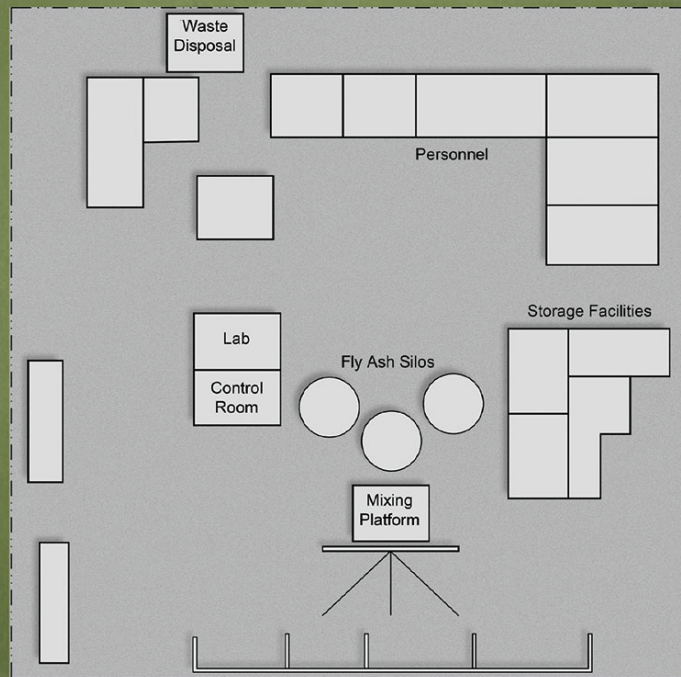
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Component Features: Temporary Batch Plants



Purpose

Produces cementitious products used to construct various project elements



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Component Features: Reusable Tunnel Material (RTM)

- **Description**

RTM consists of soils excavated from the boring of tunnels and the digging of shafts

- Space would be provided at a launch site to store RTM while it is tested, dried and sorted before being reused



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Clarifications?