

Presentation

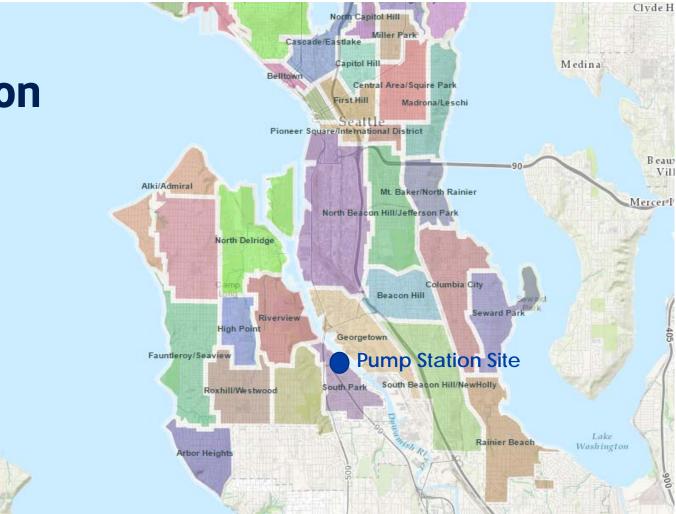
OUTLINE

- Project Purpose
- South Park Drainage Program
- Community Themes
- Site Layout Drivers
- Community Experience
- Landscape Concept
- Architectural Concept
- Project Schedule

PRESENTERS

- Shailee Sztern, Project Manager, SPU
- Meredith Hall, Landscape Architect, KK | LA
- Sarah Fischer, Architect, KPG

Location





Why are we here today?





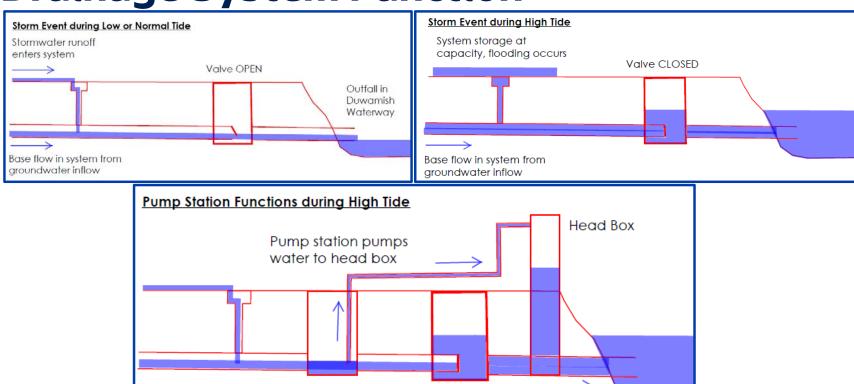
Project Scope

Reduce flooding in South Park by installing a pump station to pump stormwater from our drainage system into the Lower Duwamish Waterway (via a headbox) during daily high tides.





Drainage System Function



Valve CLOSED

SPU Drainage Program

Pump Station

SPU Complete 2021



Conveyance and Street Improvements

SPU and SDOT Complete 2021



Water Quality Treatment Facility

SPU

Complete 2025 per EPA consent decree





SPU Stormwater Drainage Basin

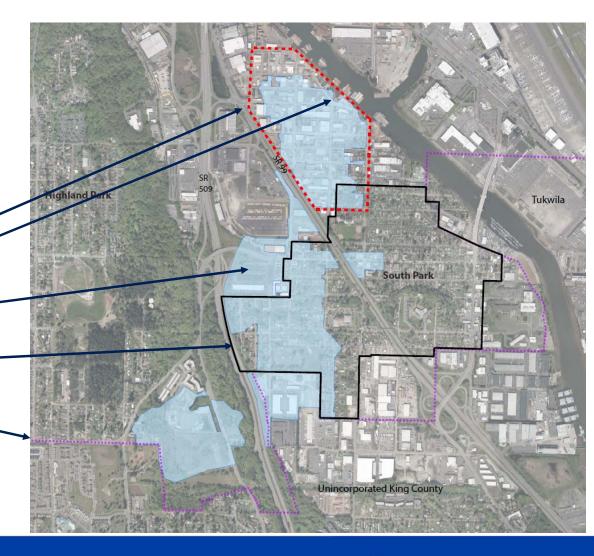
Drainage Improvements

Drainage Outfall

Drainage Basin

Urban Village

City Limits





Community Themes

- Urban Village
 - Anti-displacement and affordable housing policies
 - Job and economic opportunities
 - Sea level rise adaptation
 - Safety, connectivity and wayfinding
- Industrial Neighbors
 - Public space for lunch breaks
 - Pedestrian safety a concern
 - Facility security a concern

RECENT CONNECTIONS

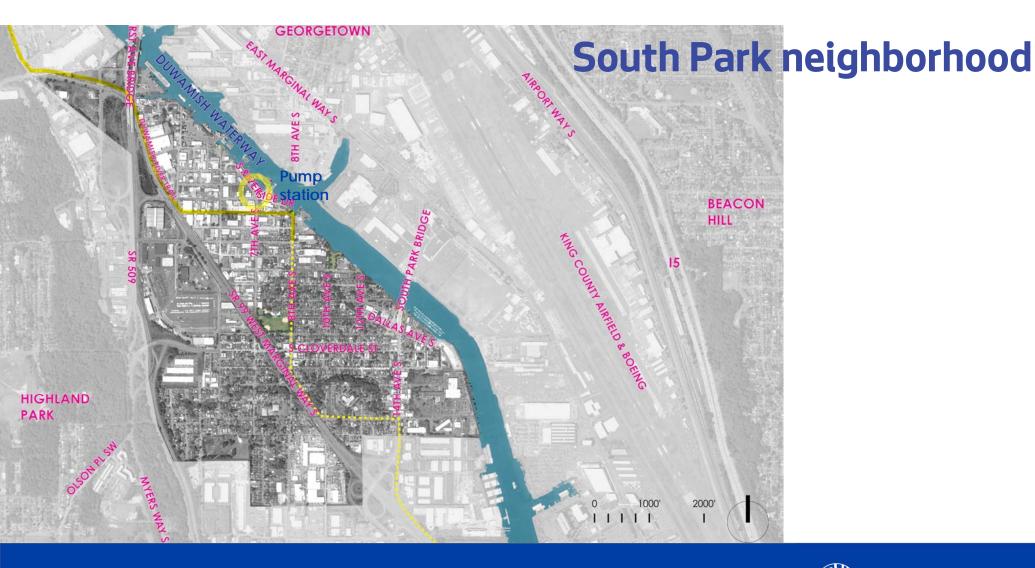
- Pacific Pile and Marine
- Machinists Inc.
- Schuchart
- Duwamish Valley Action Team
- Outside Citywide Inter-Disciplinary Team (OPCD-led)
- Center for Community Investment Team (SPU-led)
- Friends of Street Ends

Site Layout - Major Drivers

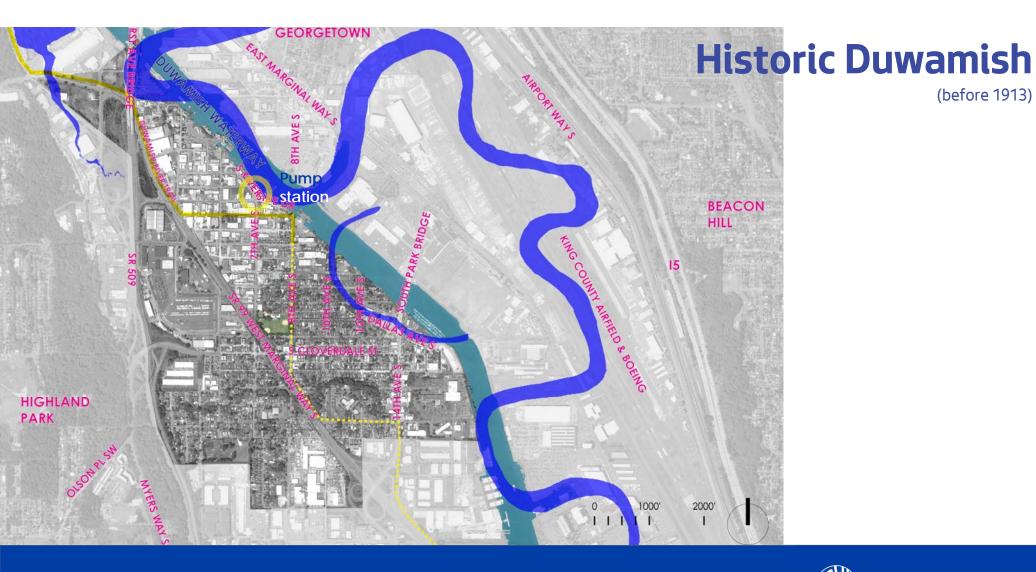
- Shoreline District requirements
 - 10 feet of regulated public access
 - 15-foot shoreline protection set back
- Sea level rise adaptation
- Maximize public space
- Facility and site security
- SPU operations and maintenance access



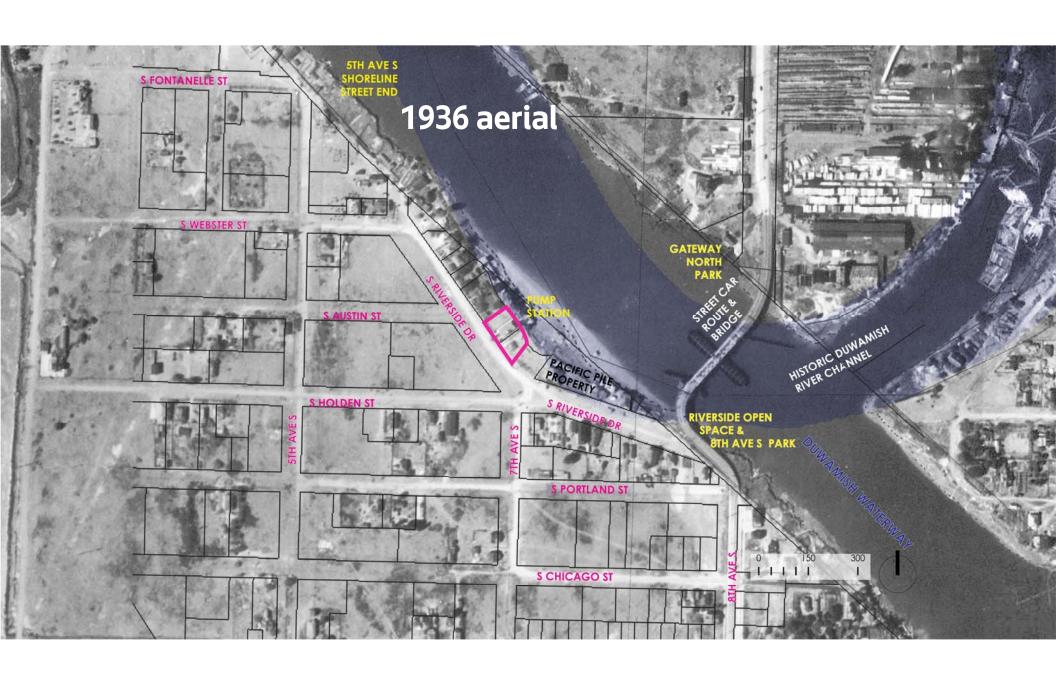
City of Seattle







(before 1913)



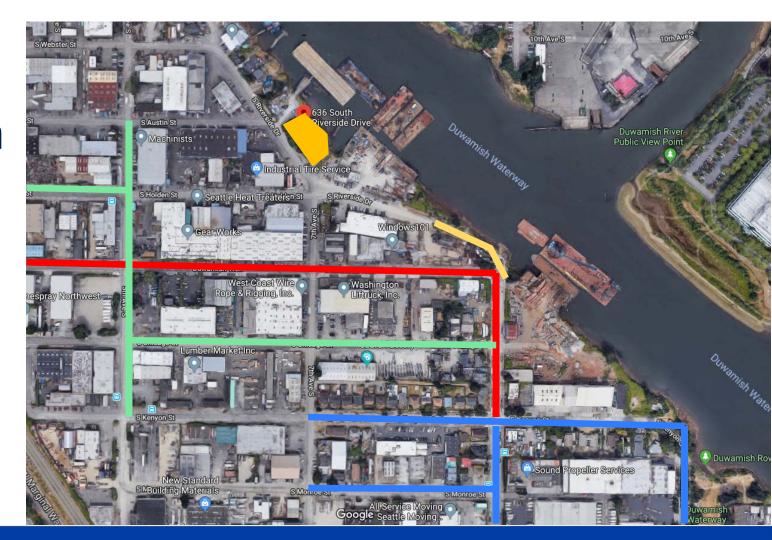


(Seattle Parks Foundation, 2013)

Office of Planning and Community Development: Outside Citywide **Duwamish Valley Action Team**

Site Connection

- Pump Station Site
- Planned Sidewalks
- Duwamish River Trail
- Existing Sidewalk
- 8th Ave S & S Riverside Drive Street End Park









S Riverside Drive & 8th Ave S Street Ends

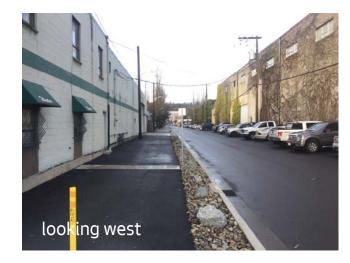




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Connection to Duwamish Trail





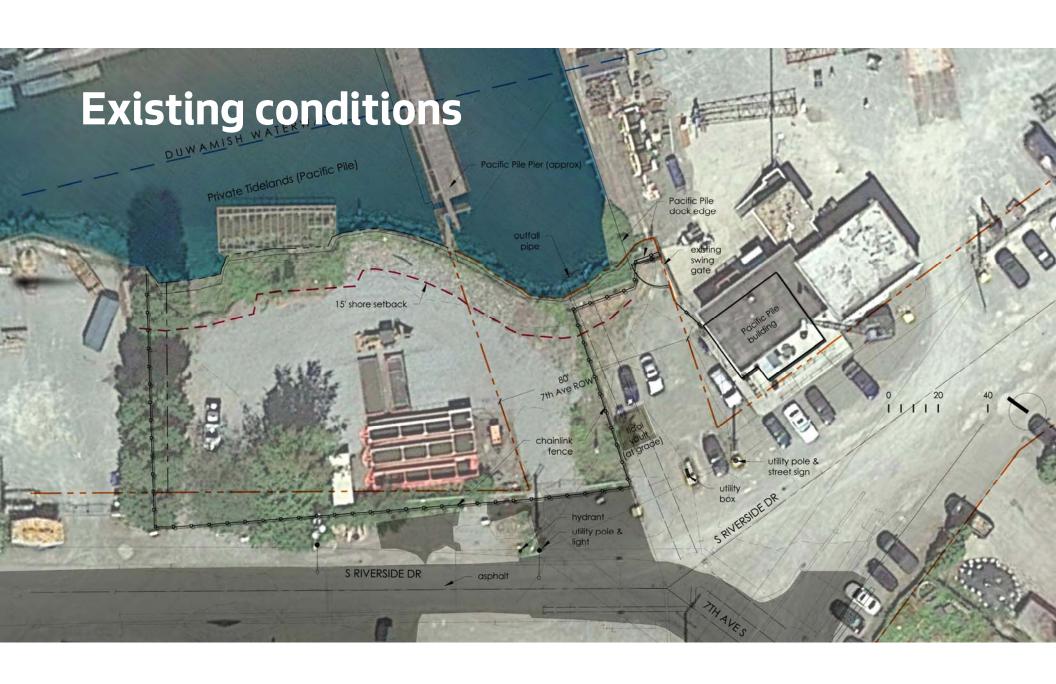




12/06/2018

Seattle Public Utilities













Pacific Pile





looking across site: northwest from 7th Ave South





Water views





7th Ave South street end



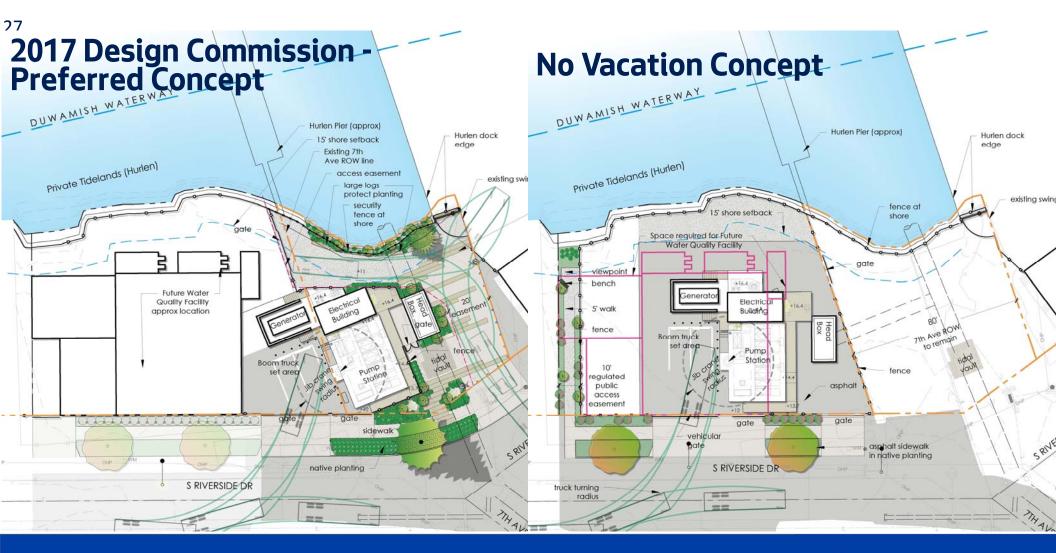


12/06/2018

Seattle Public Utilities









Previous SDC Feedback

Program

- Demonstrate space needed to build the flood control pump station and related facilities.
- Describe frequency and nature of use regarding the pump station, vehicular access, on-site safety management.
- Show how a no-vacation alternative can accomplish the project goals

Public Space

- Find a balance between secured, inaccessible space, and space that will be accessible to the public.
- Look for options to provide onsite public space that will provide local public open space and access to the waterfront
- Consider how to maximize or allow water views.
- Consolidate parking and crane access with O&M truck access.

Neighborhood

• Show whether or not on site sidewalks and landscaping will tie into a larger network of sidewalk and landscaping within the South Park neighborhood.





S RIVERSIDE DRIVE

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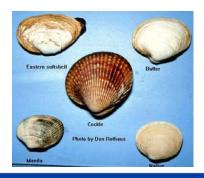
Fall Concept - Clams

• Reduce project footprint

• Maximize public access

Raise site along shoreline

- Recognize 7th Avenue view
- Maximize views from site
- Recognize shoreline setting
- Landscape stays outside R.O.W.







2nd Study - Bigger Clams

• Reduce project footprint

• Maximize public access

Raise site along shoreline

- Recognize 7th Avenue view
- Maximize views from site
- Recognize shoreline setting
- Landscape embraces R.O.W.





S RIVERSIDE DRIVE





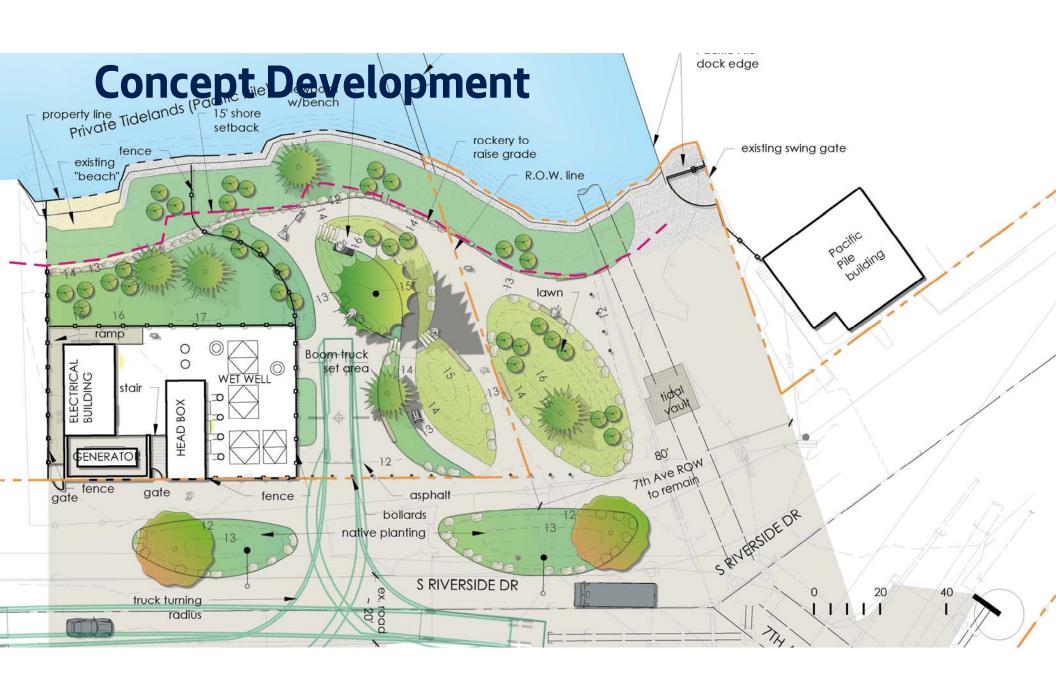












Shoreline character





12/06/2018 Seattle Public Utilities



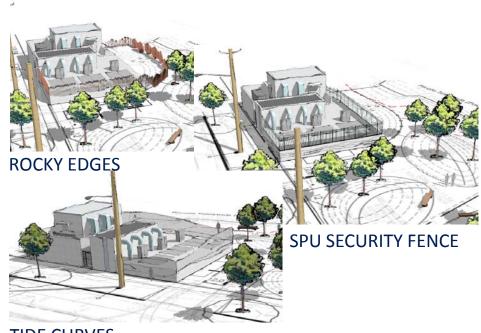


Fall 2018 – D.I.L. Workshop



 General Comments: Color panels not necessary, more transparency, disconnected from landscape.

Fall 2018 - Working Revisions



TIDE CURVES

- Proportion, fencing and material studies.
- Team feedback: Tide sine curves, reduced fence scale.

Architecture Concept - Today

- Compact facility
- Site transparency
- Resiliency
- Stormwater Story

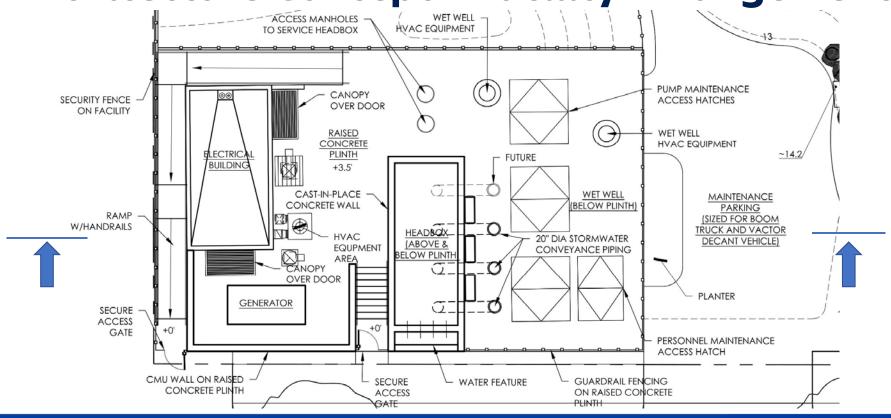






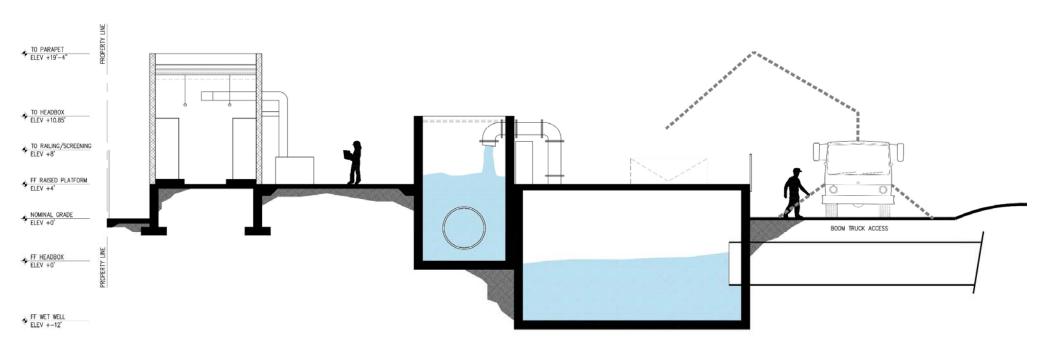


Architecture Concept - Facility Arrangement





Architecture Concept - Facility Section



Perspective - From Southwest

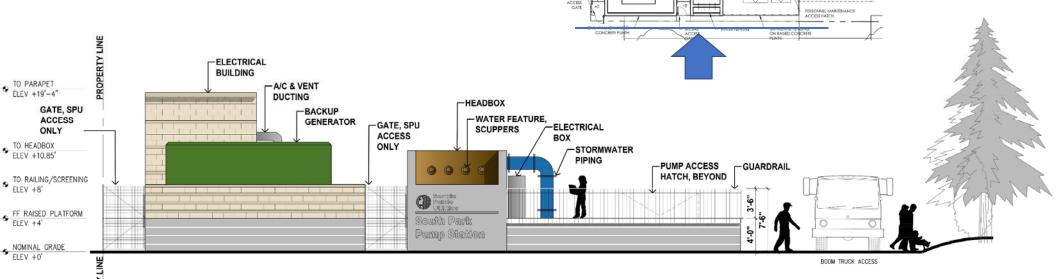


Perspective - From Northwest



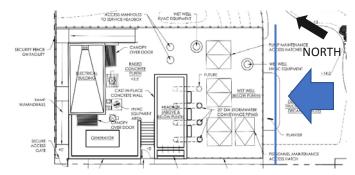


Elevation - West



ATCHES NORTH

Elevation - South





Materials



Articulated Concrete Formwork



Fencing



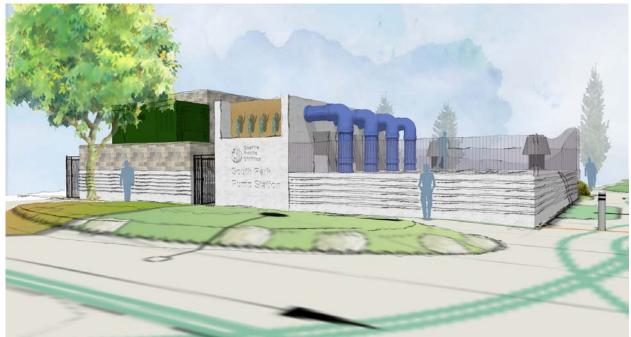
Ground Face CMU



Stormwater Feature

Stormwater Story





Project Schedule

