



Design Advisory Group Meeting #1

Thursday, January 29, 2015

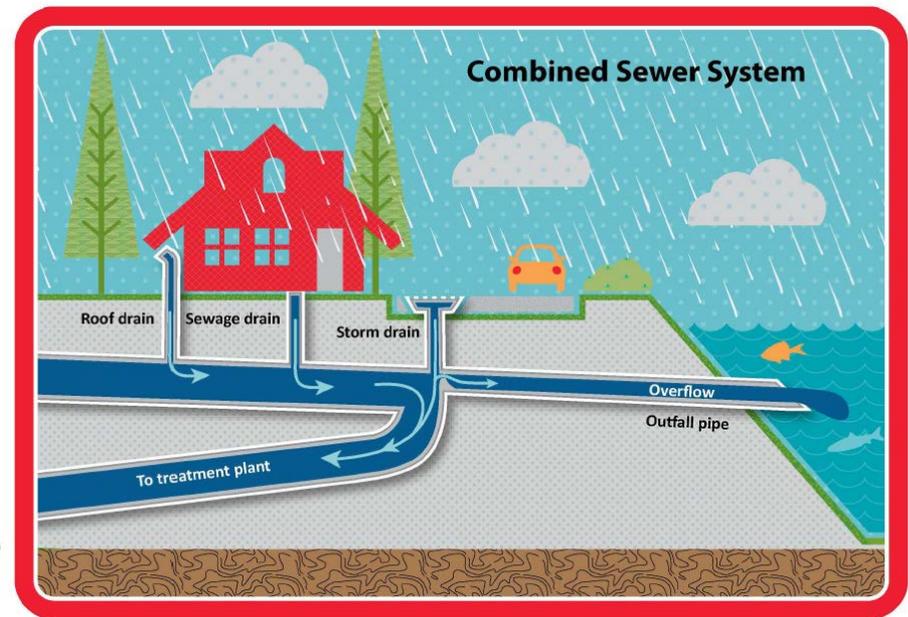
6:00 p.m. – 8:00 p.m.

Meeting Purpose

- **Develop a Design Advisory Group charter and meeting ground rules**
- **Present overview of the Georgetown Wet Weather Treatment Station project**
- **Outline the facility requirements**

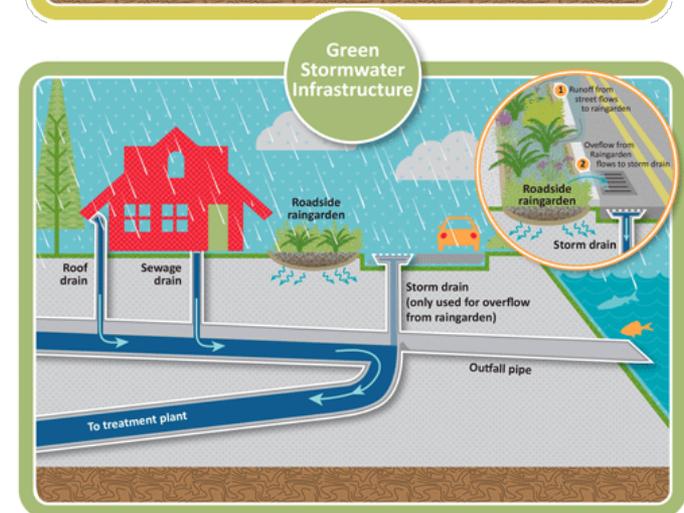
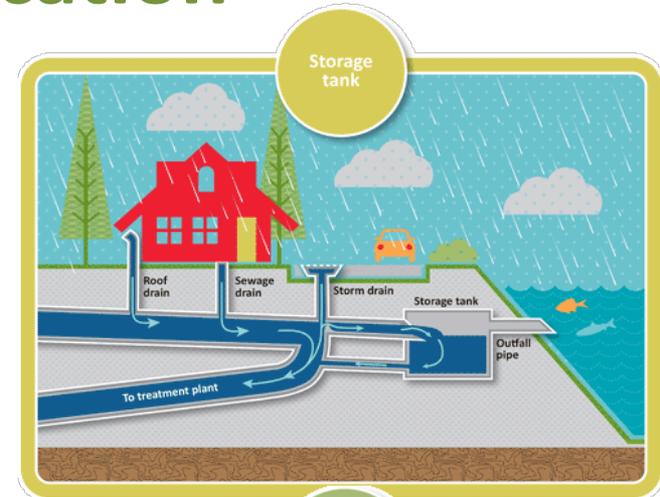
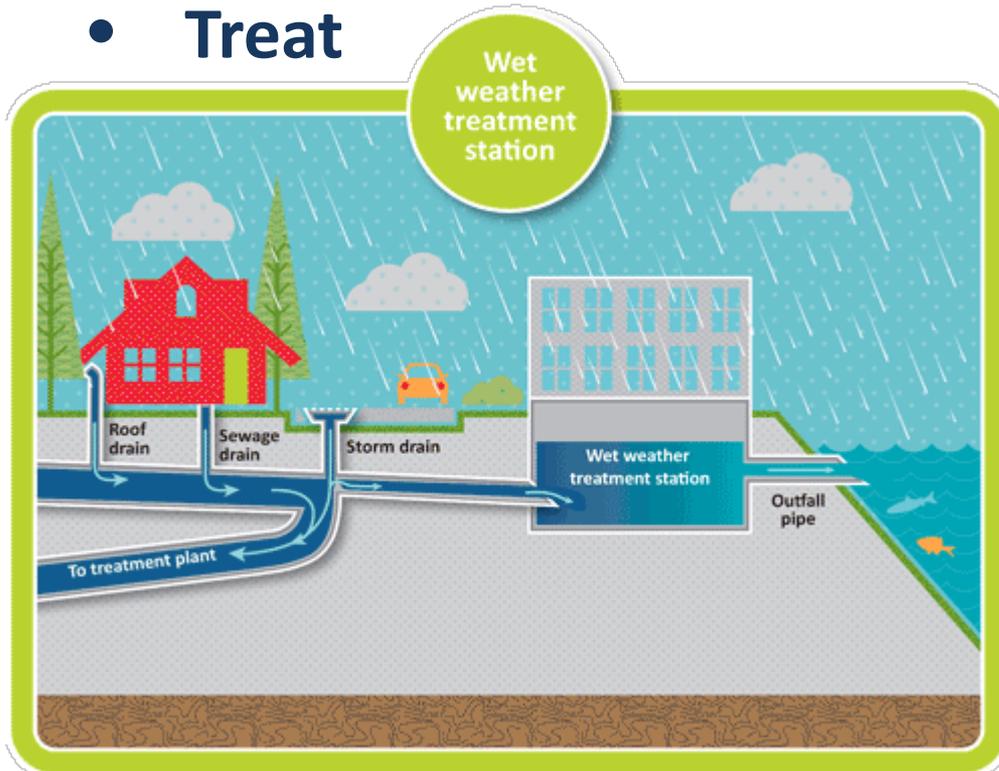
Brief Project Overview

- **Problem: Combined sewer overflow (CSO) into the Duwamish River**
- **Solution: Facility to clean water before returning it to Duwamish River**



Right Technology, Right Location

- Store
- Remove from system
- Treat



Why a Design Advisory Group?

- **Participate in the aesthetic design process**
- **Represent the diverse experiences, areas of knowledge and interests of Georgetown**
- **Help King County ensure the station fits into the Georgetown community**

What Will the Design Advisory Group Do?

- **Review project information to understand what is needed at the station**
- **Co-develop design guidelines**
- **Provide input about design options to inform decision-making regarding facility aesthetics (i.e., landscaping, fencing, etc.)**
- **Report advisory group progress back to constituents**

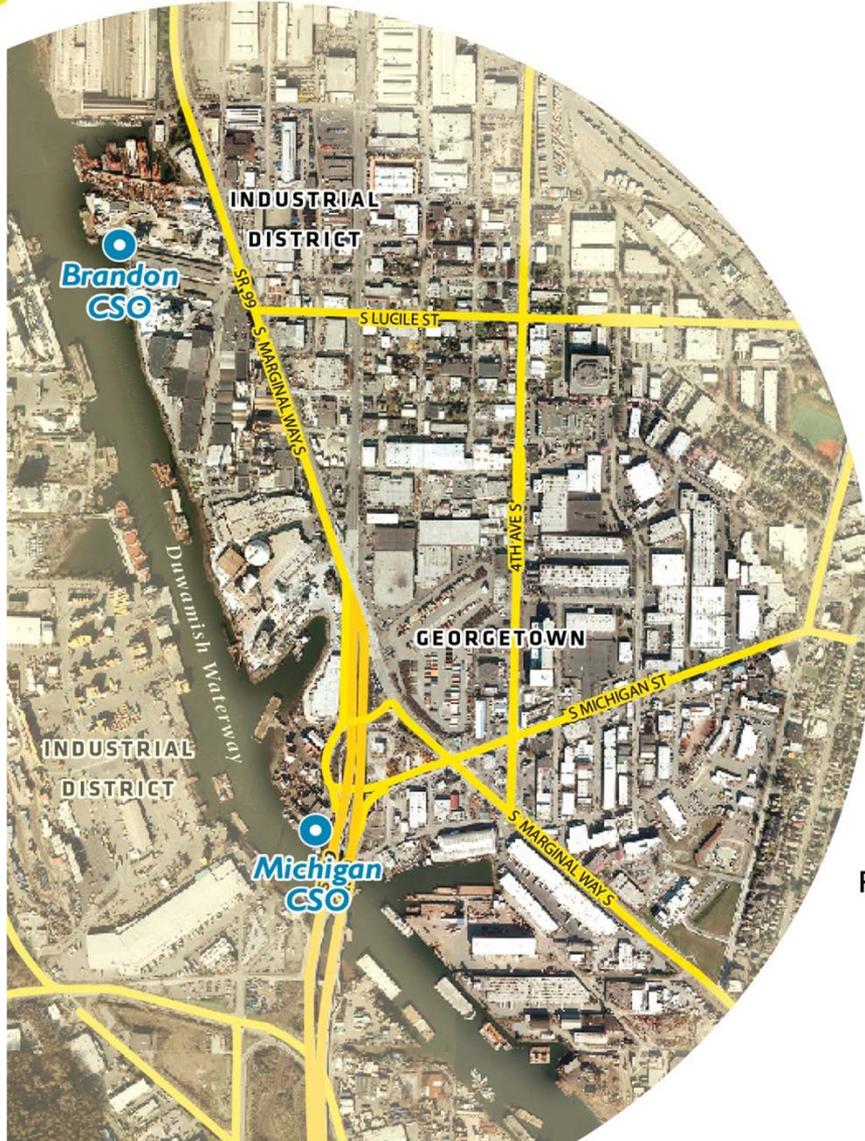
Design Advisory Group Schedule

Meeting	Topic
Meeting #1	<ul style="list-style-type: none">• Project overview• Facility requirements• Opportunities for influence• Charter and ground rules
Meeting #2	<ul style="list-style-type: none">• Finalize charter• Design guidelines
Meeting #3	<ul style="list-style-type: none">• Review concepts that reflect design guidelines
Meeting #4	<ul style="list-style-type: none">• Review revised design concepts based on DAG and community input
Meeting #5	<ul style="list-style-type: none">• Discuss 30% design
Meeting #6	<ul style="list-style-type: none">• Additional design elements for 60% design (TBD)



Draft Charter

- **Review draft**
- **Provide input**
- **Propose adjustments**



Presentation Overview

- Project Background
- Current Project Status
- 2015/2016 Look Ahead

APPROXIMATE SEARCH AREA
FOR TREATMENT FACILITY

Purpose of Project

- **“Control of Brandon and South Michigan Street CSO Outfalls in accordance with WAC 173-245-020(22)”**
- **WAC defines control as “no more than one event per year over a twenty year average” or treatment that is at least equal to primary treatment standards**
- **Achieve all consent decree requirements**

Consent Decree Requirements

Project defined as:

- CSO Conveyance and Treatment – 66 MGD peak
- High rate clarification treatment

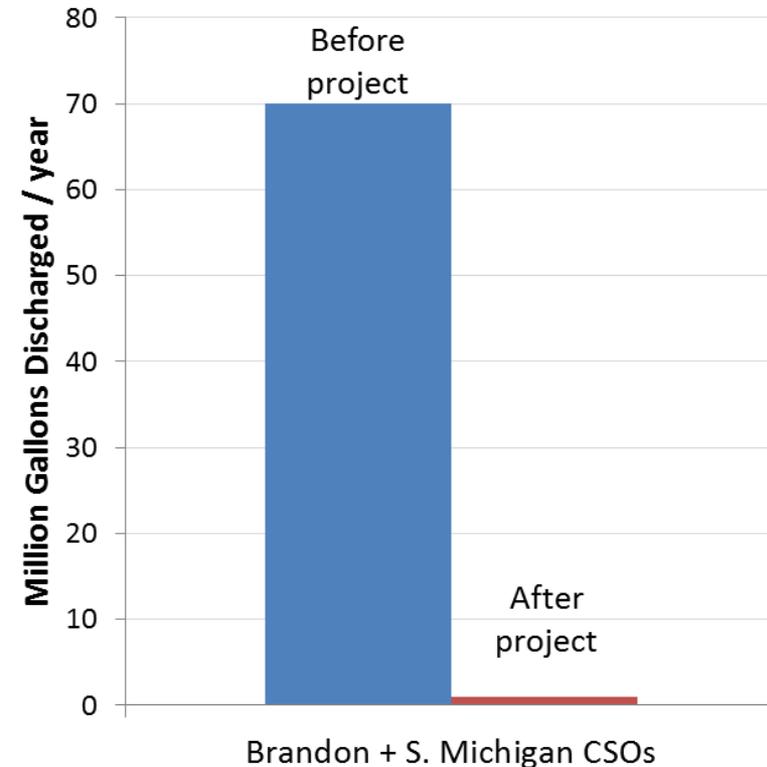
Compliance Schedule:

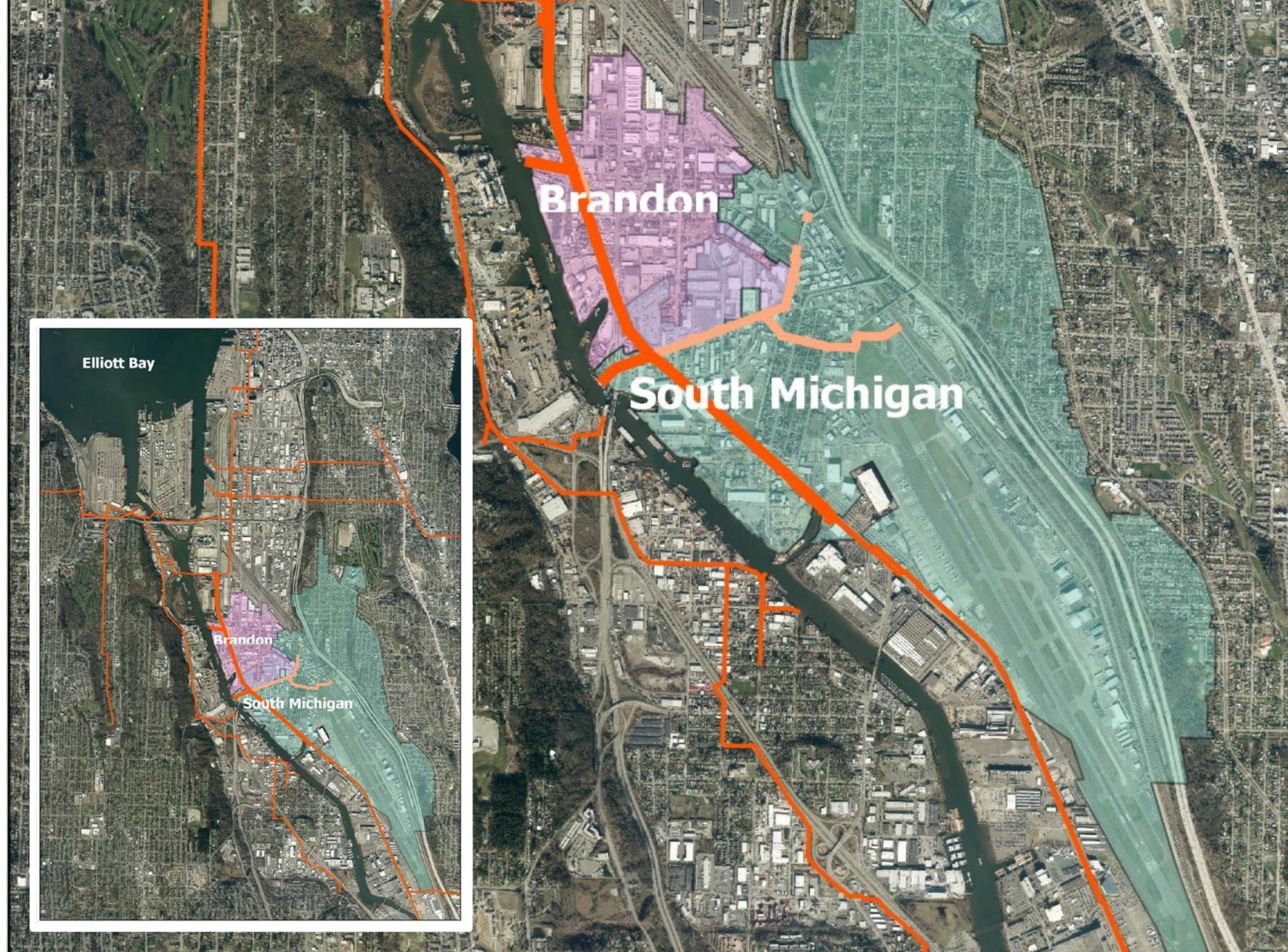
- Submission of Facilities Plan by December 31, 2015
- Completion of Bidding by December 31, 2017
- Construction Completion by December 31, 2022
- Achievement of Performance Standards by December 31, 2024 or two full wet seasons of operation

Characteristics of Treated Discharge

- **Long term averages**
 - ~20 treated events/year
 - 1/year discharge from existing CSOs
 - ~65-70 MG/average year (95% of total)
- **Intermittent and short duration events**
 - 50% less than 4 hours
 - 91% less than 12 hours

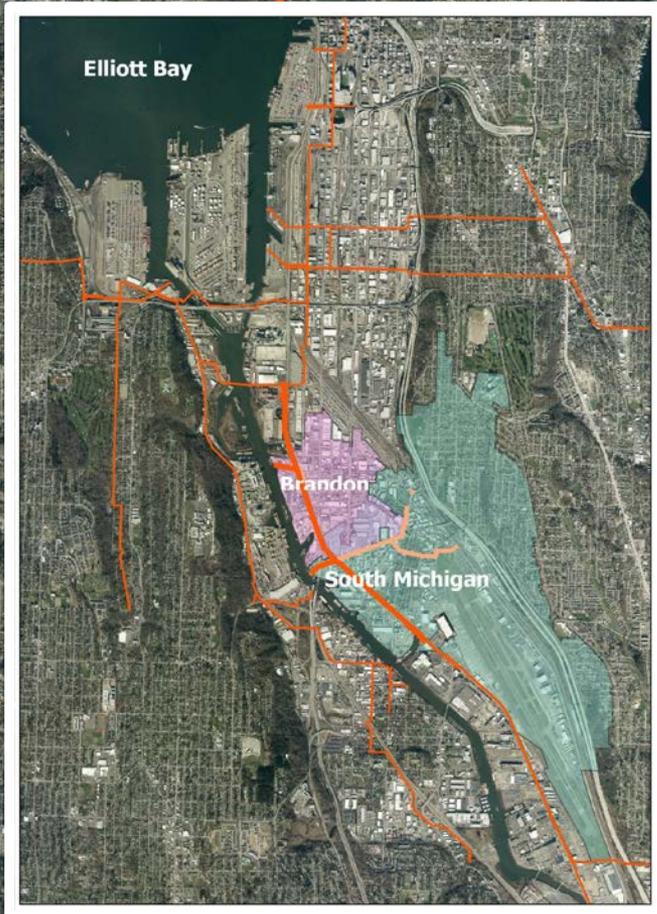
Untreated CSO Volume Reduction





Brandon

South Michigan



Elliott Bay

Brandon

South Michigan

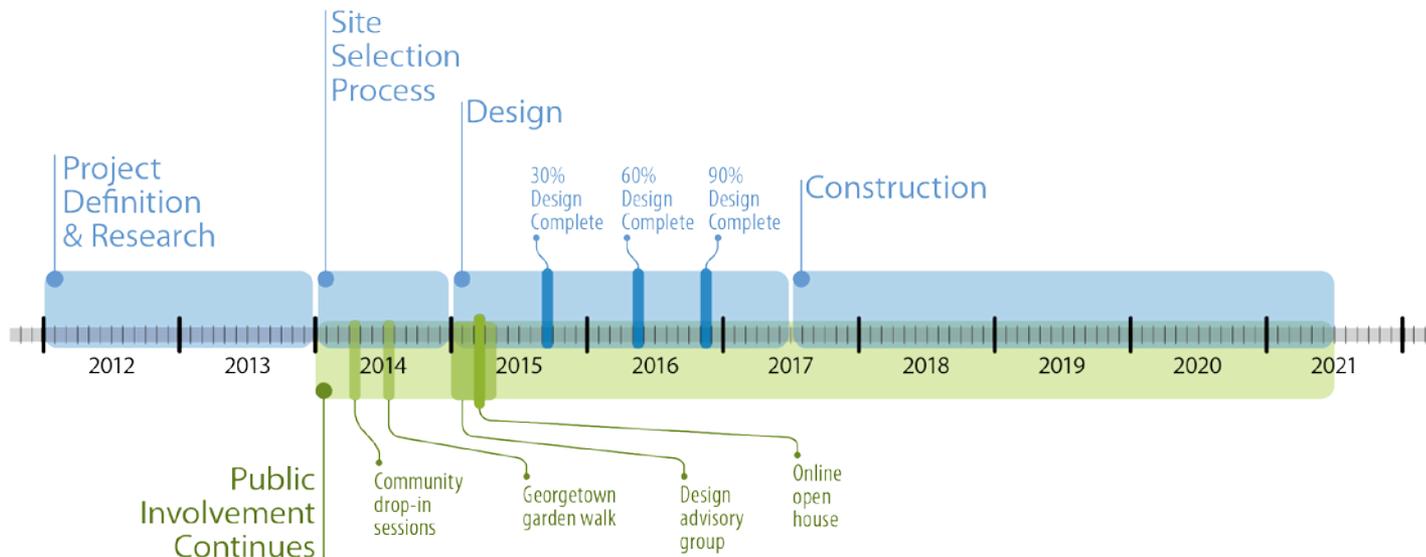


Project Elements (what is being proposed)

- **Influent conveyance**
- **Flow equalization**
- **Influent pump station**
- **Screening**
- **High rate clarification system**
 - **Ballasted Sedimentation**
- **Ultra-violet disinfection**
- **Ancillary facilities including, odor control, redundant electrical supplies, chemical storage**
- **Effluent conveyance**
- **Outfall structure**

Schedule

	Consent Decree Milestone
Facility Plan	12/31/2015
Completion of Bidding	12/31/2017
Construction Completion	12/31/2022
Achievement of Performance Std.	12/31/2024



Work Accomplished to Date

- **Completed treatment technology selection**
- **Geotechnical work underway**
- **ESA Phase I complete**
- **Numerous stakeholder briefings/events (community, Tribes, Ecology, internal staff)**
- **Site selection process complete**

Project Status – Current Activities

- **Analysis of flow and load data; water quality sampling and analysis**
- **Ecology coordination**
- **Develop conceptual site layouts, hydraulic profile, operational strategies for preferred system alternative**
- **Seattle Public Utilities – Michigan Trunk pipe tap**
- **Equipment procurement strategy – Actiflo and UV**

Recommended Site

- Environmental review to be completed on this recommendation
- Shortest conveyance
- Undeveloped property
- On-site staging possible
- For sale/lease
- Allows for consolidated facilities
- Community support



2015-2016 Look Ahead

- **Challenges**
 - Outfall siting – WSDOT and Ecology approval
 - Property acquisition
 - Determining site cleanup requirements
 - Completing design sufficiently to submit the Facility Plan in July 2015
 - Coordination with P13 site developer

Next Steps

- **Homework**
- **Meeting #2**





Public Comment

Upcoming Meetings

*All meetings will be held at South Seattle College Georgetown Campus,
6737 Corson Ave South, Building C, Room C110/111*

DAG Meeting #2

*Thursday, Feb. 12, 2015
6:00 p.m. – 8:00 p.m.*

DAG Meeting #3

*Thursday, March 12, 2015 TBD
6:00 p.m. – 8:00 p.m.*

DAG Meeting #4

*Thursday, April 9, 2015 TBD
6:00 p.m. – 8:00 p.m.*

Thank You!

For questions or comments, please contact:

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