

SEPARATED CONVEYANCE PROGRAM

INFILTRATION & INFLOW (I/I) PLAN UPDATE OVERVIEW

MWPAAC Engineering & Planning Subcommittee

May 2, 2024



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

PRESENTATION PURPOSE

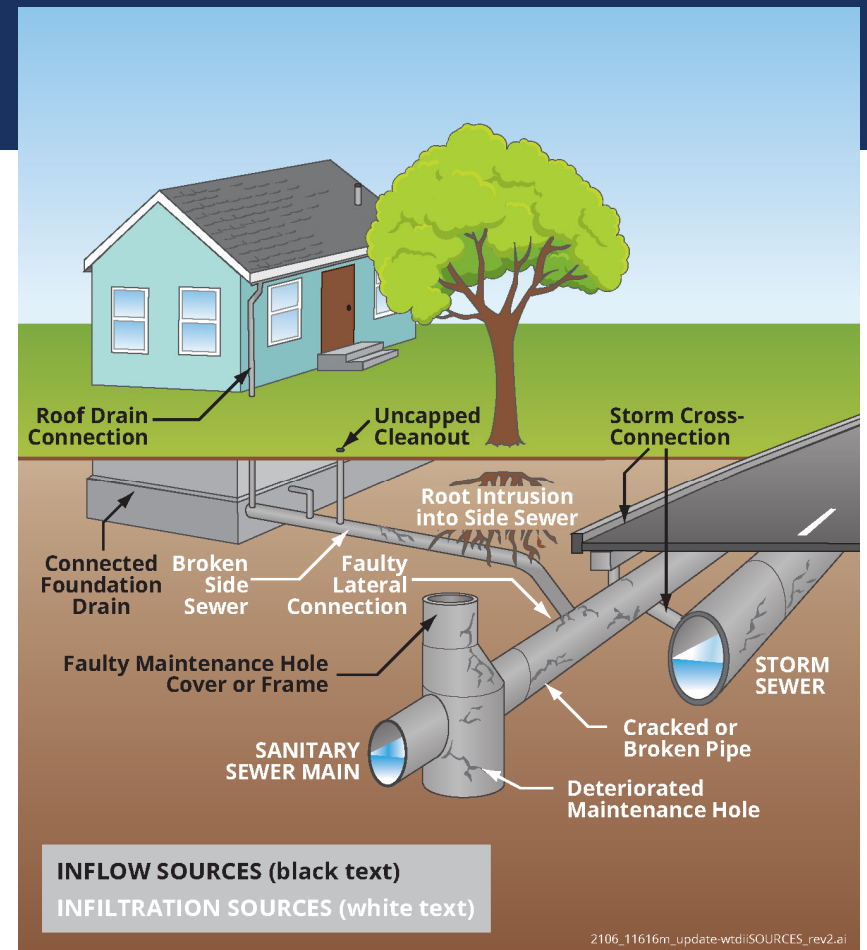
- Discuss the drivers for the I/I Plan Update
- Present the approach for the I/I Plan Update
 - High-level schedule
 - Phases and objectives
 - MWPAAC/Local Agency Engagement
- Gather feedback from MWPAAC on the approach to the I/I Plan Update

INFILTRATION AND INFLOW (I/I) REVIEW

- Infiltration Example

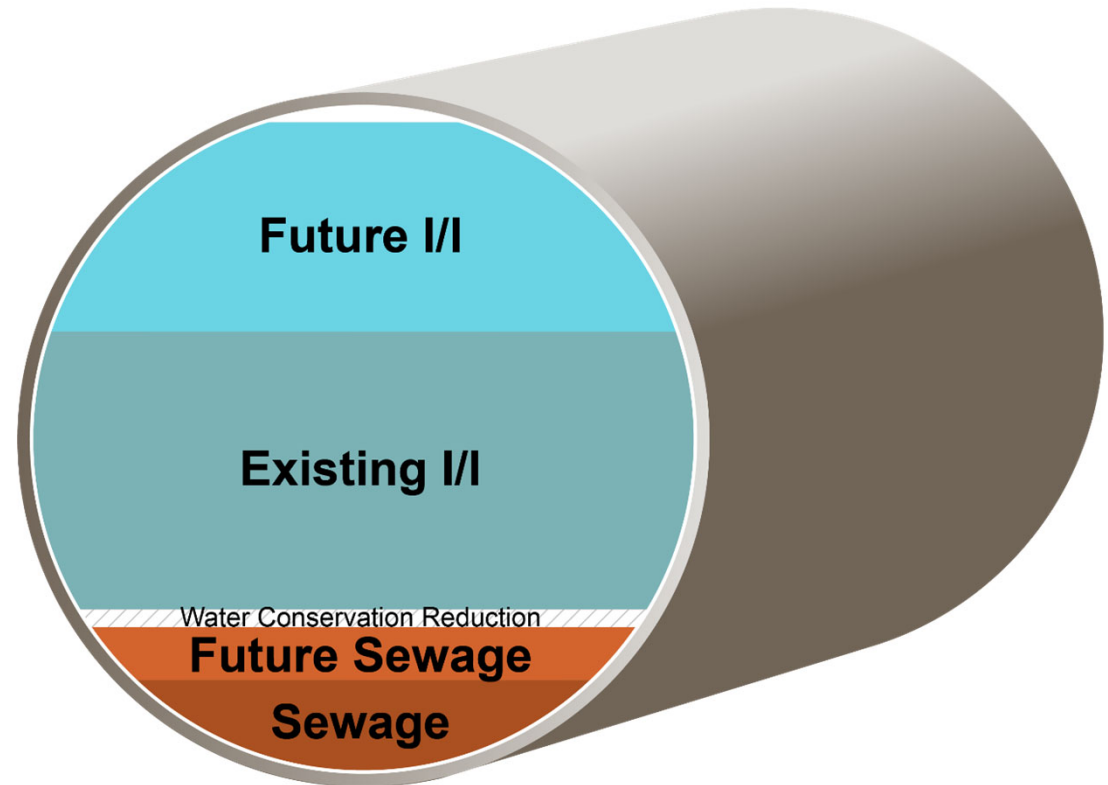


- Inflow Example



WHY IS I/I A PROBLEM?

- Increased need for capacity upgrades in WTD's conveyance system
- Increased costs to convey and treat additional flow at our regional treatment plants
- Adds risk for sewer system overflows into the region's waterways and backups in local homes, negatively impacting public health and the environment



WHAT ARE THE DRIVERS FOR THE I/I PLAN UPDATE?

- I/I is a major cause of current and future capacity needs throughout the regional conveyance system
- I/I policies were developed to support the creation of the I/I program, and most are no longer relevant
- The Executive's Recommended Regional I/I Control Program has been mostly implemented
- Inform development of the RWSP Update

I/I PLAN UPDATE

Purpose: To identify strategies and policies to reduce the amount of peak wet-weather flow entering the regional separated sewer system.

The Plan Update will accomplish this through the following steps:

- Define needs and goals
- Identify, develop, evaluate, and recommend I/I reduction strategies
- Develop implementation plan and update document

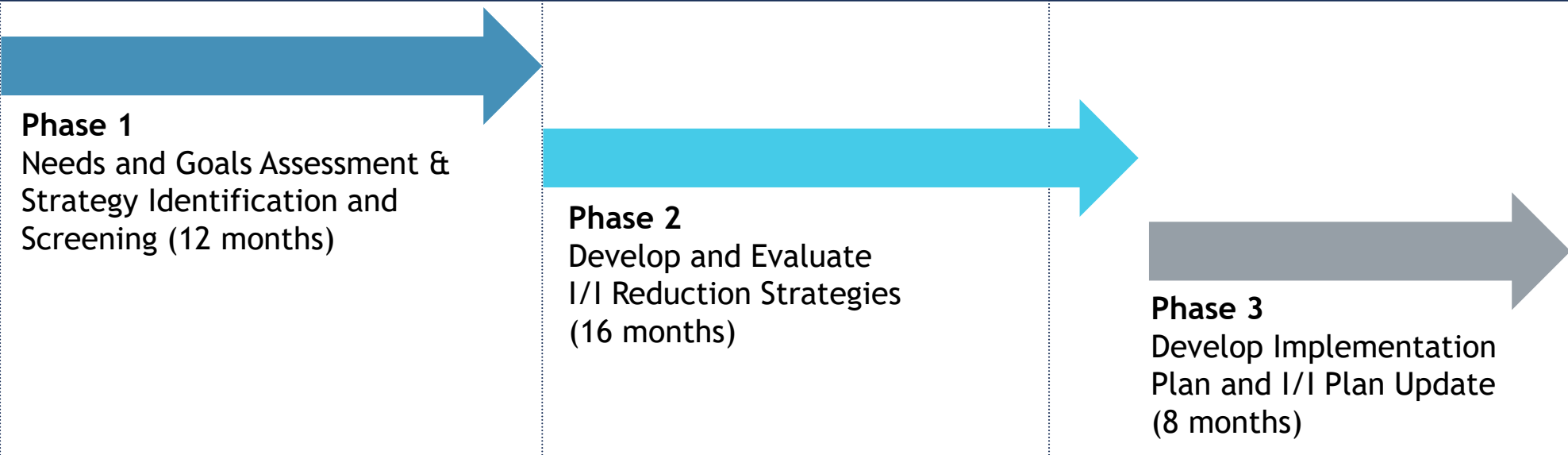
WTD intends to have consultant support to begin working on the Plan Update by **January 2025**.

I/I PLAN UPDATE TENTATIVE TIMELINE

2025

2026

2027



Phase 1
Needs and Goals Assessment &
Strategy Identification and
Screening (12 months)

Phase 2
Develop and Evaluate
I/I Reduction Strategies
(16 months)

Phase 3
Develop Implementation
Plan and I/I Plan Update
(8 months)

I/I PLAN UPDATE - PHASES & OBJECTIVES

Phase 1: Needs and Goals Assessment & Strategy Identification and Screening

- Develop Interested Parties Engagement Plan
- Review Existing Information
- Develop I/I Reduction Goals
- Identify and Screen I/I Reduction Strategies

Phase 2: Develop and Evaluate I/I Reduction Strategies

- Engage with Interested Parties
- Refine Evaluation Criteria
- Develop and Evaluate I/I Reduction Strategies
- Select Recommended Strategies

Phase 3: Develop Implementation Plan and I/I Plan Update

- Develop Implementation Plan
- Develop I/I Plan Update Document

MWPAAC / Interested Parties Engagement

NEXT STEPS

- Review feedback received from MWPAAC members throughout presentation
- Finalize Scope of Work
- Continue with procurement processes to bring consultant on board by January 2025

QUESTIONS & ANSWER

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