# INFILTRATION AND INFLOW (I/I) CONTROL PROGRAM

## **REGIONAL BEST MANAGEMENT PRACTICES**

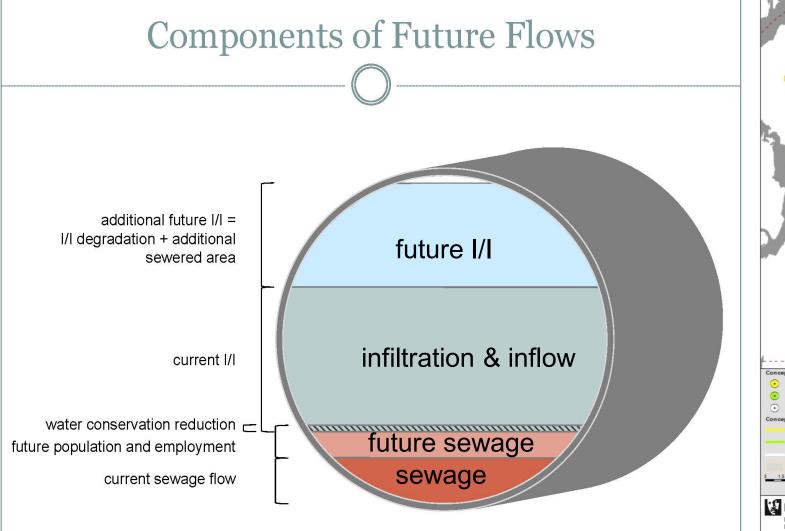
**EVALUATION OF INFLOW AND INFILTRATION REDUCTION CONCEPTS PHASE 2** 

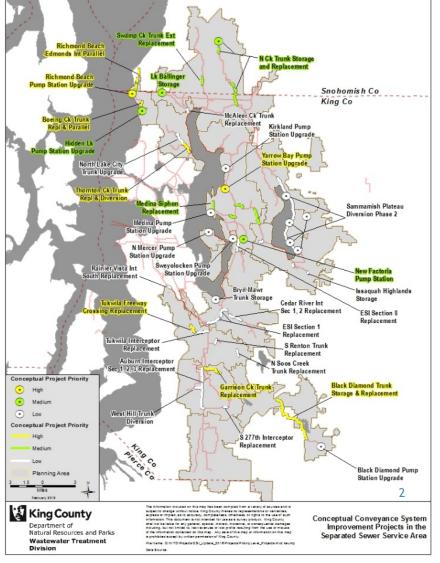
MARCH 24, 2021



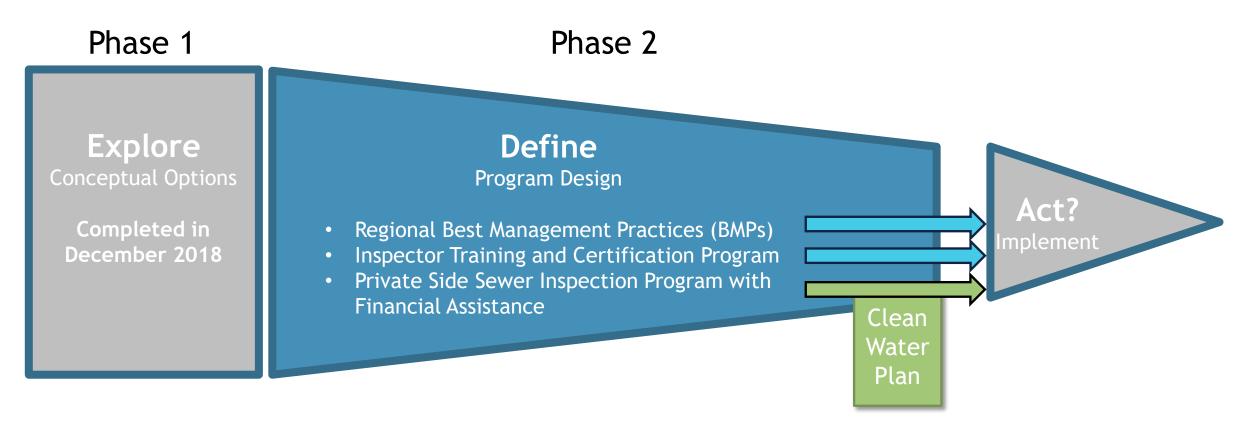
Department of Natural Resources and Parks Wastewater Treatment Division

#### I/I IN THE REGIONAL WASTEWATER CONVEYANCE SYSTEM





#### OVERVIEW OF CURRENT I/I WORK



#### REGIONAL BEST MANAGEMENT PRACTICES FOUNDATION

Goal

Regional, consistent use of three to five best management practices (BMPs) with the greatest
potential to reduce I/I in separated basins applied by the majority if not all WTD's component
agencies.

#### Assumptions

- BMPs that address I/I sources related to side sewers, not mainlines, are expected to have a higher potential for more local agencies to achieve reduction goals.
- Establishing regional BMPs will raise awareness of the need for increased, proactive attention on side sewers to achieve project goals.

Draft technical memo available on King County Regional I/I Control website at: <a href="https://www.kingcounty.gov/services/environment/wastewater/ii.aspx">https://www.kingcounty.gov/services/environment/wastewater/ii.aspx</a>

#### **BMPS RECOMMENDED**

Strengthen illicit connection authority, making rules clearer to customers A5. Unauthorized connection prohibition

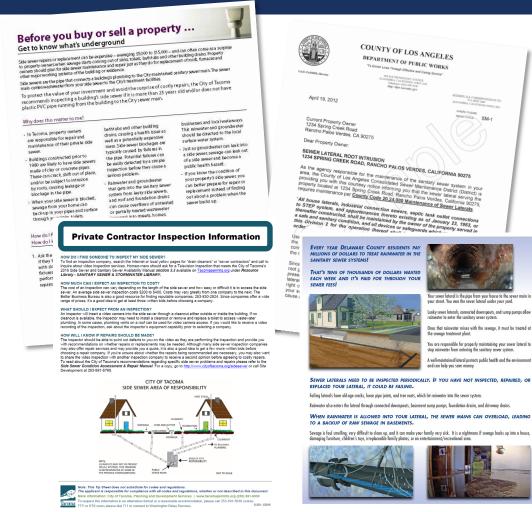
Support customers in taking care of their responsibility to limit I/I B3. Model courtesy notice to property owner / occupant regarding roots in lateral connections

**B5.** Side sewer maintenance guideline documents

C3. Illicit source disconnection public education materials

### WHAT WILL BE PRODUCED FOR EACH BMP?

- Brief discussion of intent of BMP
- Model language that can be customized
- Suggested steps for implementation
- Examples of how BMP was implemented elsewhere and templates if available
- Information will be available online in a side sewer BMP toolkit for use by sewer agencies





SM.

#### I/I AND CLEAN WATER PLAN

- Side Sewer BMPs will compliment Clean Water Plan outcomes.
- The Clean Water Plan will consider the significant I/I in the regional system and the related capacity improvement costs.
- The Clean Water Plan will update policies guiding the I/I Program and set the direction for I/I reduction activities.
- I/I Actions explored by the Plan are:
  - I/I Reduction Point of Sale Side Sewer Inspection Program
  - I/I Reduction Peak Flow Limitation Program

#### TIMELINE

- March 24, 2021 Request that the members discuss these BMPs within their jurisdictions.
- April 1, 2021 E&P meeting draft a recommendation letter from full MWPAAC to the WTD Director to implement these actions
- April 28, 2021 present the recommendation letter to full MWPAAC for approval
- Spring/Summer 2021 WTD prepares materials and distributes to member agencies
- Fall 2021 member agencies prepare customer materials and begin to implement program



#### Nicole Smith, I/I Control Program Manager

Nicole.Smith@kingcounty.gov

206-477-8554

#### END