

## Step 8

**Work Complete.** If a plumber repaired the defect then CD will inspect the repair to make sure it meets all plumbing codes and the scope of the RTD. If you repaired the defect, notify Public Works Engineering to inspect the work to ensure it was repaired correctly.

## Step 9

If a plumber completed the repair, return the release and W-9 tax form to Public Works Engineering. If you completed the repair, return the release, receipt(s) for materials and the W-9 tax form, so reimbursement can be processed.

## What are the options available?

Inflow and Infiltration sources must be disconnected from the sanitary sewer system in a permanent manner. Participation in the Inflow & Infiltration Reduction Program (IIRP) is voluntary.

Individuals choosing not to participate in the IIRP, will be subject to abatement in accordance with section 22-218 of the Code of Ordinances.

## Contents of the Packet

- Request to Repair with detailed scope
  - Pictures of the defect
  - Plumbers List
    - Release
    - Post Card
  - W- 9 tax form

## Contractor Qualifications

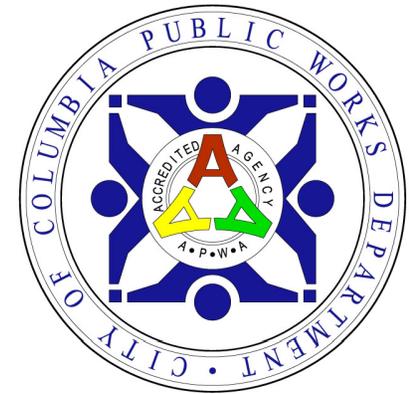
The City has established a "Pre-Qualified Contractor List". Only contractors on this list are eligible to perform work under the IIRP. In order for a contractor to be put on this list, they must submit a written request to the City, be a licensed plumber, maintain insurance and provide proof when requested, attend City training on the goals of the IIRP, and be a business license holder in the city for at least 2 years. If you have a contractor that you would like to use and they are not on the list they can follow the steps in the ordinance under section 22-217.3(e) to get on the list.

## How will the Inflow & Infiltration Program help?

The Inflow and Infiltration Reduction Program (IIRP) will help you with costs to repair defects that are connected to the city's sanitary sewer system. Removing these defects will decrease the water that is allowed to flow into the sewer system. It will ultimately reduce the sanitary sewer overflows (SSO's) and basement backups (WIB's)

## Who is eligible for reimbursement under the IIRP?

Anyone who's property is in the studied area, an owner occupied residence having three (3) units or less, structure was constructed (4) before 1996, and has a private inflow (5) and infiltration source listed in the table in section 22-217.3(b)(5) of the city ordinance.



## Public Works Department / Sewer Utility Inflow & Infiltration Reduction Program



## A GUIDE FOR HOMEOWNERS I & I - What is it?

Questions or further information:

# 573.874.7250

Email:

[PUBW@GoColumbiaMo.com](mailto:PUBW@GoColumbiaMo.com)

Website:

[www.GoColumbiaMo.com](http://www.GoColumbiaMo.com)

## What is inflow and infiltration?

**Inflow** and **Infiltration: (I&I)** are terms used to describe the ways groundwater and stormwater (“**clear water**”) enter the sanitary sewer system.

**Inflow:** Inflow is stormwater that enters the sanitary sewer system directly through connections such as roof downspouts, driveway drains, sump pumps, and cross connections with storm drains. Peak inflow can occur during heavy storm events or snow melts causing sanitary sewer surcharges resulting in sanitary sewer overflows (SSO) and basement backups.

**Infiltration:** Infiltration is groundwater or groundwater that is influenced by surface water that enters sanitary sewer pipes and manholes through holes, breaks, joint failures, connection failures and other openings. Infiltration quantities often exhibit seasonal variation in response to groundwater levels. Storm events can trigger a rise in groundwater levels and increase infiltration flows. The highest infiltration flows are observed following significant storm events or following prolonged periods of precipitation.

**Fact:** The City of Columbia has 650 miles of gravity sewer, 16,000 sewer manholes, 25 pump stations, and 1 Wastewater Treatment Plant.

**Fact:** One sump pump can deliver 7200 gallons of clear water to the sanitary sewer in 24 hours which is the equivalent of 26 homes daily flow.

The City has performed a Sanitary Sewer Evaluation Study (SSES) in an effort to locate, identify, and correct improper connections and defects that cause I&I, so that the system capacity improves and SSO's and basement backups are eliminated.

## What steps you need to take.

### Step 1

If your home was identified as part of a SSES to have a defect, this packet will help you understand what the defect is and why it must be disconnected from the city sanitary sewer system.

### Step 2

Fill out and return the self addressed postcard to Public Works Engineering. Postage is paid.

**\*\* If you choose to repair the defect yourself then proceed to Step 8 \*\***

### Step 3

Obtain a minimum of three (**3**) bids from the list of approved plumbers provided. The bids must meet the scope outlined in Request to Disconnect (RTD) bids must be returned to Public Works Engineering within forty five (**45**) days of receipt of

### Step 4

**Send the three bids to Public Works Engineering.**

Attn: Environmental Section/IIRP  
City of Columbia  
701 E. Broadway  
P.O. Box 6015  
Columbia, Missouri 65205-6015

### Step 5

Public works will evaluate the bids. The lowest bid that meets all criteria set forth in the scope will be chosen. Public Works will prepare and send you a “**Statement of Eligibility**” and a “**Form Contract**” for the work.

### Step 6

You will receive the Statement of Eligibility, Form Contract and W-9 tax form in the mail.

After you receive these documents, you will have thirty (**30**) days to return the “**Form Contract**” to Public Works Engineering.

**Note:** **“Form Contract” must be signed by yourself and the plumber.**

### Step 7

Your plumber will obtain a permit from Columbia Public Works, Community Development (CD) and schedule the work with you. Once the “**Form Contract**” is returned to the City, the plumber will have sixty (**60**) days to complete their work.