

Sanitary Sewer Improvements Planned for Your Neighborhood

August 25, 2010

Nelson WWTP Complex Infiltration/Inflow Pilot Rehabilitation Project

Dear Property Owner:

Johnson County Wastewater (JCW) is working to reduce or eliminate excess storm water and groundwater from entering the sanitary sewer system in your neighborhood. As part of that effort, JCW is conducting a pilot project in your neighborhood. This will provide more dependable, cost-effective, and environmentally sound wastewater service to our customers. During wet weather, this excess storm water and groundwater (referred to as infiltration and inflow or I/I) can contribute to basement flooding and sewer backups.

Initiated in 2009, the initial project phase was to obtain an understanding of the condition of the sanitary sewer system and estimate the amount of I/I present in the system. The testing and investigation activities (on private and public-owned properties) have been completed within the project area and the I/I sources have been identified. We are continuing our efforts along with our team of engineers, inspectors, and surveyors to initiate the design of the rehabilitation and repair of the sewer system to remove the identified I/I sources.

The Project

Existing sanitary sewers and private service lines are located throughout your neighborhood. The private service lines carry wastewater from the plumbing fixtures and floor drains inside your home or business to the JCW sanitary sewer mains (pipes). These sanitary sewer mains then carry wastewater flow from your neighborhood to the Nelson Wastewater Treatment Plant (WWTP) where the wastewater is treated (cleaned) and discharged to the environment.

This project was initiated as part of a regulatory response to a request from the Environmental Protection Agency (EPA). The purpose of the project is to evaluate and determine a cost-effective strategy for removing I/I to reduce sewer overflows, basement flooding, and sewer backups. I/I can enter into the sewer system through cracked or broken pipes, root penetrations, and other deficiencies within the system. As a result, construction activities on this project will include rehabilitation and repair of existing sanitary sewer mains and private service lines to reduce or eliminate the I/I from entering the system. The sanitary sewer system will be repaired using numerous construction technologies, including excavation and trenchless (no dig) technologies.

Preliminary Schedule

Prior to construction, the existing features of the sewer system must be surveyed and the private service line alignment identified. The information collected will then be used to prepare construction plans. Field investigation and surveying activities are scheduled to begin immediately and will last for several months. These investigations and activities will be performed by GBA and Schlager & Associates, P.A. and will not require access inside your home or business. Their personnel will carry a letter signed by JCW, as well as photo identification, during these investigations and activities. Photographs of these personnel and company logos are posted on our project website at <http://www.jcw.org/eng-i&istudy.htm>.

Design of the project will continue for approximately one year. Actual construction of the repairs is tentatively scheduled to begin in Summer/Fall 2011.

Your Involvement

In an effort to encourage property owner involvement, we are asking for your assistance and input as we proceed with the design phase of the project. Knowing your concerns early in the process will allow us to respond and, if possible, incorporate them into the design phase. Please find enclosed a request for information form that we are asking you to complete and return to our consultant. Although we will welcome comments throughout the duration of this project, we would be grateful for the completion of this form as soon as possible. The requested information will help us to move forward with this beneficial project:

Please mail the enclosed form back to: GBA

Attn: W. Margheim
9801 Renner Boulevard
Lenexa, KS 66219
or fax the form to 913-577-8346

Or, if you prefer, an electronic copy of the request for information form is available on our project website which may then be emailed back to us (iandihotline@gbateam.com).

As the design progresses, those properties that will be directly affected by construction will be identified and the owners of those properties will receive additional correspondence that explains the work to be performed on their property. JCW will also host a public meeting in October to discuss these sanitary sewer improvements. This will be an opportunity for residents to meet the project team, ask questions, and learn more about this project. We will send you a notice in advance of this public meeting.

Questions

If you would like additional information or have any questions or concerns about this project, please contact us:

- **Telephone:** 913-577-8490
- **Email:** iandihotline@gbateam.com
- **Website:** <http://www.jcw.org/eng-i&istudy.htm>

We look forward to working with you on this sewer project and we thank you in advance for your input and cooperation.

Sincerely,

Dan Ott, P.E.
Managing Engineer – Collection System

Enclosure