

DRAINAGE SERVICES West Jasper Place/Sherwood Bi-Weekly Project Update – November 27, 2015

The City of Edmonton's Drainage Services is committed to providing the residents of West Jasper Place and Sherwood with regular information updates about Phase I of the City's sewer rehabilitation project. These updates will include comments and questions that the City receives from the community. Also, you can go to edmonton.ca/westedmontonsewer for more information or call 311 if you have an odour complaint.

Open House

The previous update focused on issues of **communication**, **health**, **traffic** and **odour** raised during the open house on November 3, 2015. This week's will focus on construction information and concerns.

Construction

Here are the answers to the questions asked by residents on the exit surveys from the November 3 open house:

- **Has liquid leaked out of corroded pipe to surrounding soil?**

The condition of the trunk sewer is such that it continues to contain and convey any sewage within the lines, and it is not exposed to the surrounding earth. There is no indication that sanitary waste water has leaked into the surrounding soil.

- **Will soil around the pipe be inspected?**

During in the course of construction work, City construction workers monitor any visible changes in soil conditions (e.g. wet soils) and determine the appropriate measures to take based on the cause.

- **Is the sewer pipe liner temporary?**

The liner that will be used to rehabilitate the existing sanitary trunk sewer is a permanent structural pipe that has a design life of 50 years. It will be inserted into the existing pipe and the space between the liner and the existing pipe will be filled with grout.

- **How is the bypass construction going to be done? Will it require external excavation all along 151 Street between 99 Avenue and 100 Avenue?**

A temporary bypass pipe will be installed into a trench dug 1.5 m (4.9 feet) down from the surface along the west side of 151 Street from 100 Avenue to 99 Avenue. Construction is planned to start on December 7 and be finished by the end of the month.

- **The long term construction in the area is fatiguing to those who live on that street. Do you have some idea of if/when it will end?**

Phase I construction is planned to be completed by June 2016. The structural condition assessment of the remaining trunk sewers in the area of 151 Street and 99 Avenue is currently being finalized. Once this assessment has been completed, design and planning of any other rehabilitation work can proceed. During the design and planning phase, we will engage the task force as we proceed with this work to develop the final rehabilitation option.

- **Since we didn't have much rain this summer, why was the project halted during these months?**

Construction was halted to ensure the safety of the construction workers, and to prevent the damage of completed work and potential existing sewers. During heavy rainfall events, the trunk sewers run full with a volume greater than 4000 litres per second.

Even a sudden rainfall that is not anticipated can present a challenge and safety risk to people working underground. Although Edmonton had a relatively dry summer in 2015, this is traditionally when we have major rains and the City could not take the risk. As well, at certain periods of sewer construction, rainfall can seriously disrupt construction and cause damage that in the long run creates further delays and increases costs.

- **A topic for a future update that would be of interest is an explanation of where sewage/drainage lines connect into the line along 99 Avenue. A cross-section schematic of the WESS 13 tie-in at 99 Avenue and an explanation of how the line between 99 and 100 Avenues connects, along with how the flow happens would be helpful.**

We are currently working on this, and it will be posted online when ready and published in the next project update

Third odour-control shaft under construction

A third odour-control shaft is being built in the neighbouring Canora community (two others already exist at 151 Street and 97 Avenue and 151 Street and 95 Avenue). The shaft design promotes balanced air flow through the sewers and this helps reduce odours by reducing air pressure in the system.

Location: 151 Street and 102 Avenue

Timeline: November 2015 to June 2016

Traffic: 151 Street, just north of 102 Avenue, will be closed for this project. Access to driveways will remain open. Traffic signs will be posted to notify of any detours or route changes.

Traffic

To address **traffic** issues as discussed in the last update, the City plans to post more signs in the vicinity of the 151 Street and 99 Avenue intersection. Currently, there are signs at the intersections one block away (150 Street & 99 Avenue, 152 Street and 99 Avenue and 151 Street & 98 Avenue). The City will post signs two blocks away to the west, south and east as well to help direct local traffic.

For More Information:

Call: **311** -- Email: drainageprojects@edmonton.ca

Website: edmonton.ca/westedmontonsewer



NOTE: Transportation Services

Residents who are interested in the Canora/West Jasper Place Side Street Concept Planning Project can learn more about the study by visiting:

http://www.edmonton.ca/transportation/road_projects/canora-west-jasper-place-study.aspx