

**Summerlea Storm Sewer System Upgrades
Public Information Session
Held March 3, 2015 at St. Benedict's Elementary School, 18015 93 Avenue NW**

Presenters:

- Michael Kan, Project Manager, Drainage Services, Michael.kan@edmonton.ca
- David Yue, Principal, Sameng Inc.

Councillor Andrew Knack was in attendance.

Presentation

The following is a brief summary of the topics covered in the presentation:

- The neighbourhood of Summerlea was significantly affected by the severe rainfalls in 2004; there were 76 reported flooded properties in the neighbourhood.
- After the flooding events of 2004, the City undertook numerous studies of the Aldergrove area to determine the cause of flooding and find solution options. Since that time, some of the proposed improvements have been completed.
- The studies have determined that the main flooding mechanisms in Summerlea were sanitary sewer back-ups (basement floods) and surface flooding that affected vehicles and homes. The limited surface drainage in the neighbourhood creates local flooding.
- The project goals are:
 - To reduce the risk of flooding in the Summerlea neighbourhood
 - Reduce surcharge in the 95 Avenue trunk
- The project includes the construction of a storm sewer relief pipe from a main trunk sewer on 95 Avenue into the Terra Losa Pond, the lowering of the normal water level of the Terra Losa Pond, sanitary manhole sealing, and the construction of a flood protection wall around the back of the Westend Seniors Activity Centre.
- The completion of this project will reduce flood risk in the neighbourhood. The design is such that it meets City Drainage standards during the 1:100 year flood event. The reduction in flood risk will come from the reduction of surface pond and flooding along 95 Avenue and in trapped low areas throughout the neighbourhood. This will reduce the likelihood of sanitary sewer backups. The neighbourhood catchbasin capacities were checked and determined to be sufficient to meet needs.
- The project is currently at the end of the preliminary design. Construction will be completed over the summer and into the fall of 2015. A pre-construction open house will be held closer to the time of construction to address any questions and concerns at that point in time.
- The City home check-up team was on hand to address any questions about the service which is provided free of charge by the City. Through the service, Drainage staff will inspect private property for drainage issues and provide advice to homeowners about how to further protect their homes from flooding.
- At the end of the presentation, the public was invited to ask questions (see below for Comments and Feedback). The public was then invited to review presentation boards that were displayed around the room, and to fill out the feedback form.

Feedback Form Summary

Question and Answer Period

People who attended the open house were generally positive about the project. The public was grateful to have their neighbourhood considered for flood mitigation work. The key questions/concerns that were fielded from residents and the responses given are summarized below:

Q: What has been the public consultation process leading up to this point?

A: This project is just reaching the stage at which the City typically holds public information sessions. For these types of projects, it is important to have a preliminary design prepared prior to public information sessions.

In the history of the project, there was a public information session for this project held in 2007 in conjunction with a number of other improvements for the Aldergrove area.

Q: Please confirm some information about the home inspections. What sorts of issues does the inspection cover? How much does it cost?

A: Home inspections are a free service provided by the City. They cover mainly exterior drainage issues but will also inspect a backflow valve that has been installed.

Q: Is it not true that there is a spare school lot in Summerlea? Could this have been used for storage instead?

A: Prior to the proposed design entering the preliminary design phase it had gone through a concept design and concept review process. Each phase of the project considered alternative options for flood mitigation for the neighbourhood. These determined that other areas in the neighbourhood did not have sufficient capacity to store the required volume of water at the required elevation.

Q: The Terra Losa Community Association is the titled owner of the land where the Westend Seniors Activity Centre is located. They are concerned because they do not feel as though they were appropriately consulted prior to the public information session. Please explain why this oversight occurred.

A: During the preliminary design phase, many conversations took place between the City, Sameng and the Westend Seniors Activity Centre. At no point was the intention to hide information from the Community Association. Moving forward, the project team will be sure to include the Terra Losa Community Association in all discussions.

Q: What happens if something goes wrong between the main sewer and a private residence? Is this the responsibility of the City or the property owner?

A: Generally, the service line from the main sewer that runs on private property is the responsibility of the property owner. If repairs or replacement is required, this will often be coordinated by the City.

Q: To which storm event would the system be designed? How regularly will the Westend Seniors Activity Centre be impacted?

A: The proposed upgrades are being completed to ensure that the stormwater management in the area meet the City standards during the 1:100 year current design storm event. This is the storm that has a 1% probability of occurring in any given year. The top of the flood protection wall is designed to be more than 0.3 m above the 1:100 year flood level.

Q: What are you doing to improve flood protection for Horizon Village? How will that affect 172 Street?

A: The surcharge relief pipe is designed such that the ponding storm water throughout the neighbourhood will be reduced during the intense storm events. This will help Horizon Village because the street ponding on 95th Avenue will be reduced, thus reducing the overland flow into their property.

Q: What are the impacts of this project on the birds that use the pond and on the recreational use of the area?

A: There will be minimal permanent impacts of the project on either the wildlife or the recreational features of the facility. During construction of the pipe and outfall, the contractor will be required to reroute foot traffic around the construction area, as well as to comply with an erosion and sediment control plan. The project will also require the lowering of the normal water level of the facility. This will be done gradually to allow the re-establishment of the local vegetation and wildlife.

Q: What will be the impacts on traffic in the area?

A: While crews are actively working on the pipe underneath 95 Avenue there will be lane closures along this road. The contractor will be required to maintain one lane in each direction open for the duration of construction