

PROJECT UPDATE

Lauderdale Flood Mitigation Project

NOVEMBER 2022

PROJECT OVERVIEW

The Lauderdale Flood Mitigation Project has been initiated to reduce the risk of flooding in the Lauderdale and area neighbourhoods.

Lauderdale is serviced with a mix of combined sanitary and storm lines, and separated sanitary and storm lines. In a combined system, both sanitary flows (i.e. from private service connections) and stormwater flows (i.e. from street catchbasins) flow together in the same pipe. There is no stormwater management facility in the neighbourhood, and the current overland (or surface drainage system) is not sufficient. There are several areas in this neighbourhood at lower elevation where water pools, which puts the Lauderdale community at risk of flooding during intense rainfall events.

To reduce the flood risk, EPCOR will be constructing a dry pond in the Grand Trunk Off-Leash Dog Park and installing/upgrading various storm infrastructure throughout the Lauderdale neighbourhood.

Dry ponds are stormwater management facilities, which are dry the vast majority of the time. These facilities are designed to temporarily hold stormwater when the drainage system cannot handle the water volumes due to severe storm events. Severe storm events such as thunderstorms are challenging to predict because they can come with little warning. They can be very intense for a short period of time in a localized area causing flooding of roads, properties and sewer backup in basements.

During severe storm events, dry ponds act as storage facilities and help protect local homes and businesses. The stormwater will then drain from the dry ponds into the downstream drainage system when there is capacity.

This project is currently in the preliminary design phase and is part of EPCOR's Stormwater Integrated Resource Plan (SIRP) which aims to reduce the risk of flooding in Edmonton neighbourhoods and is funded in part by the Government of Canada's Disaster Mitigation and Adaptation Fund (DMAF).

PROJECT MAP



COMMUNITY IMPACT

During dry pond construction, we expect to keep a reduced area of the dog park open for use, along with the parking lot, with safety measures in place for park users. The specific footprint and size of the dry pond within the dog park has not yet been determined; however, the facility needs to be designed to accommodate the future LRT alignment, the dog park access road and parking lot.

The size of the area to remain open during dry pond construction will be based on the technical design requirements and community/dog park user feedback.

Once construction has been completed and landscaping established, the dry pond area **will return to its existing size for use** as part of the fenced Grand Trunk Off-Leash Dog Park - with enhanced amenities.

Construction of the dry pond and storm infrastructure upgrades work is anticipated to start in 2023, after public engagement has been completed and final designs have been approved.



Example of a dry pond, adjacent to Steinhauer School, from the Steinhauer and Ermineskin Flood Mitigation Project where the community chose three soccer fields and a baseball diamond to be re-established.



Example of a dry pond from the Parkallen Flood Mitigation Project with a natural shape to accommodate existing trees, surface amenities and contours.

COMMUNITY ENGAGEMENT

EPCOR is committed to working with the community and stakeholders to develop an engagement approach that provides project transparency, a process to manage any questions or issues, and provides meaningful communication to residents.

We recognize the importance of the Grand Trunk Off-Leash Dog Park to the Lauderdale community and dog park users, as the off-leash dog park allows owners and their dogs to spend time together and allows dogs a space for play and socialization.

It is EPCOR's responsibility to build the dry pond and maintain the underground drainage infrastructure. However, the ownership and maintenance of the dry pond surface, vegetation and amenities is a City of Edmonton responsibility once the project is complete.

Based on the feedback we have already heard on the project, EPCOR, in conjunction with the City, developed a survey (included in this information package) to collect data to get a better understanding of how the Grand Trunk Off-Leash Dog Park is currently used, and the community's and dog park users' priorities for enhancements to the dog park once the dry pond is built. The feedback will help to shape the final design for the dry pond and the associated enhancement options. The enhancements are intended to not only meet the diverse needs of small and big dogs, but also add amenities for dog owners.

The results from the survey, along with feedback from other interested parties, will be provided to the City to make a decision on amenity enhancement options for the detailed design phase of the project. Based on the information gathered in this survey, proposed dry pond layout designs, including the amenity enhancement options will be presented to the community, dog park users and interested residents to provide feedback as we progress through the project.

The City will make all final decisions related to the dog park amenity enhancements.

WHAT WE HAVE HEARD SO FAR

In July and August 2022, EPCOR hosted multiple public information sessions for the Lauderdale Flood Mitigation Project at the Grand Trunk Off-Leash Dog Park to provide an opportunity for residents and dog park users to gain more information about the project, ask questions, identify concerns and issues and provide feedback on identified design elements of the project.

During the four different events, EPCOR discussed the project with approximately 175 – 200 residents and dog park users. Respondents provided meaningful feedback and asked thoughtful questions about the project, what can be expected during construction and once the project is complete.

Community and Dog Park User Feedback

The feedback heard to date includes questions, concerns and suggestions on the following project elements:

- Accessibility
- Amenities
- Community flooding
- Construction
- Current usage
- Dry pond design
- Existing drainage issues
- Landscaping
- Maintenance
- Safety

JOIN US FOR A PUBLIC INFORMATION SESSION

EPCOR will be hosting another public information session to gather feedback to help identify priorities for amenity enhancements to the dog park and answer any questions or concerns about the project.

Date: Tuesday, November 29, 2022

Time: 5:00 p.m. to 8:00 p.m.

**Location: Lauderdale Community League
(12937 107 Street)**

Additional information sessions will be held as we progress through the project.

In early 2023, EPCOR will share the feedback collected from residents and dog park users at the different information sessions and through the survey.

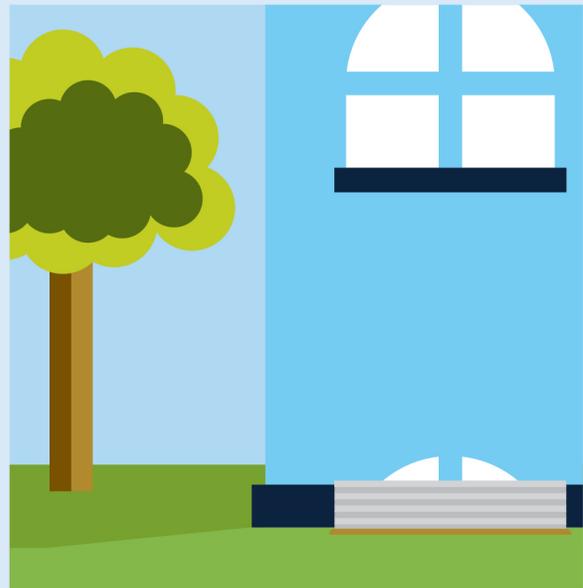
PROJECT UPDATES

If you would like to receive updates on the Lauderdale Flood Mitigation Project, including opportunities to provide feedback, please send your email address to **EPCORdrainage@epcor.com**.

BOOK A FREE FLOOD PREVENTION INSPECTION

Drainage systems in many Edmonton neighbourhoods are being improved to reduce the risk of flooding. Maintaining good drainage on your residential property is an important part of the flood prevention equation.

EPCOR can help you minimize the risk of flooding on your property from a heavy rain fall event. Book a free inspection with one of our flood prevention advisors to help identify individual property risks and recommendations to mitigate those risks. A subsidy for a backwater valve, which helps to protect your home from a sewer line back up, is also available.



Book online!

Book a free flood prevention inspection with one of our advisors online.

Contact us at floodprevention@epcor.com or visit epcor.com/floodprevention to learn more

MORE INFORMATION

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