

PROJECT UPDATE

Ottewell Flood Mitigation Project

JUNE 2024

PROJECT OVERVIEW

Across Edmonton, EPCOR is working to reduce neighbourhood flooding. The Ottewell Flood Mitigation project will reduce the risk of flooding in Ottewell and area neighbourhoods.

Ottewell is primarily serviced with a mix of combined sanitary and storm lines. There is no stormwater management facility in the neighbourhood, and the current overland or surface drainage system is not effective. There are several areas in this neighbourhood where water can pool during intense rainfall events, which puts the Ottewell community at a higher risk of flooding.

The project also includes the installation of Low Impact Development (LID) at two locations. LID facilities are landscaped features with both above and underground components. LID facilities reduce the volume, and slow the flow, of stormwater that enters the sewer system during and after a rainfall event. They achieve this by allowing rainfall to enter the ground and be filtered by soil so the stormwater is not all going directly into the underground system and overwhelming it.

To reduce the flood risk, EPCOR will be constructing a dry pond in Ottewell Park and installing/upgrading various storm infrastructure throughout the neighbourhood.

Dry ponds are stormwater management facilities that are dry the vast majority of the time. These facilities are designed to temporarily hold stormwater when the drainage system cannot,

and help prevent flooding of roads, properties and sewer backups in basements.

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

This project 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).

OVERALL PROJECT SCHEDULE

The project will be completed in two parts:

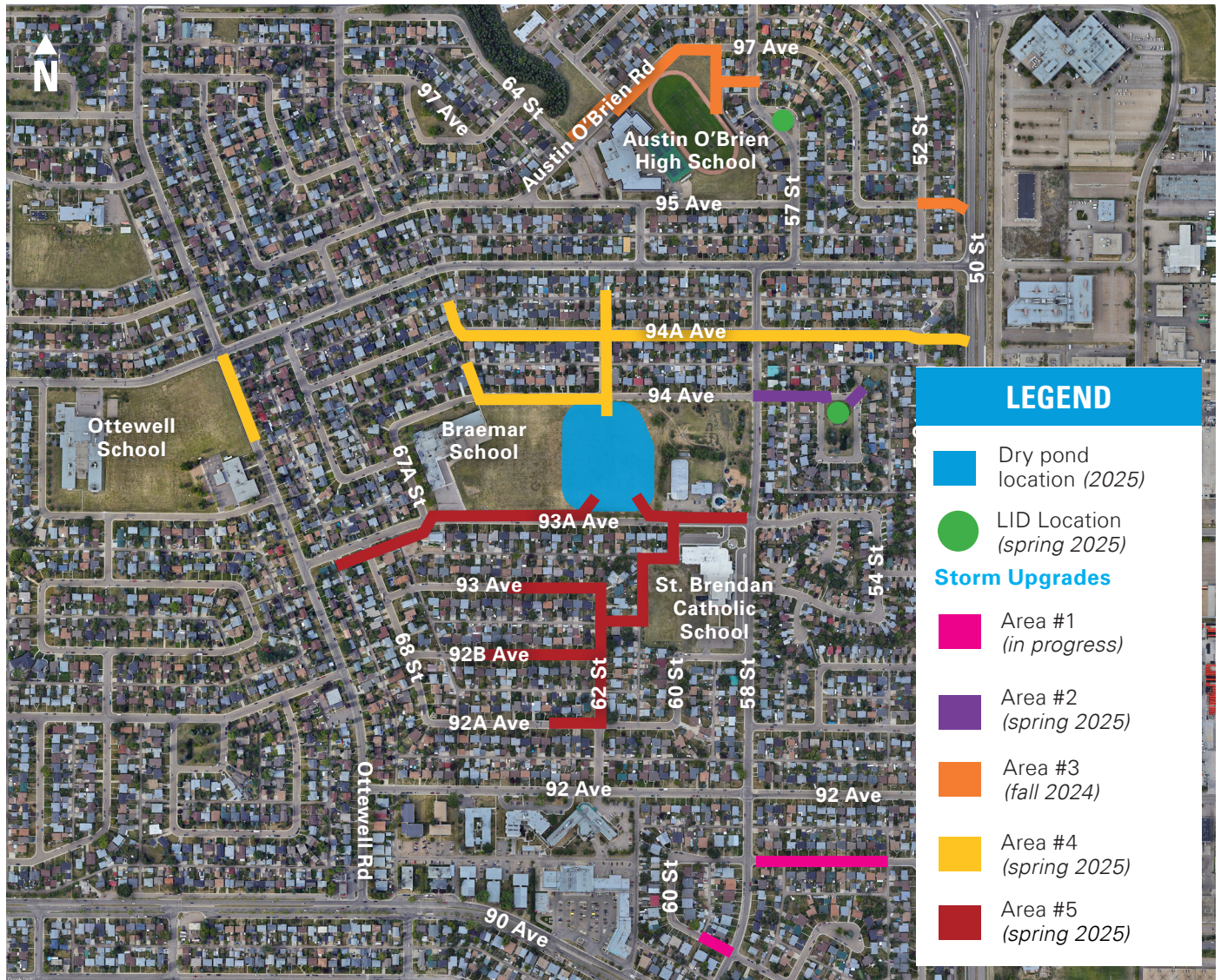
- **Storm sewer construction**, which began in **May 2024**. All sewer upgrade work is anticipated to be completed in **2025**.
- **Dry pond construction**, which is anticipated to be complete in **2025**.

The timelines for several work areas has changed. More information about the schedule for storm sewer upgrades is included in the overall project map.

The overall project is expected to be completed in **Q4 2025**. EPCOR is completing this work in advance of the City of Edmonton's Neighbourhood Renewal work.

Please note: These timelines are estimates pending internal approvals, permitting, contractor procurement/availability, construction conditions and weather.

OVERALL PROJECT MAP



COMMUNITY OPEN HOUSE

EPCOR hosted a community open house on February 22, 2024 at Ottewell School to introduce the project to the community and answer questions. The event was attended by over 20 members of the community.

What We Heard

Several community members shared how important park spaces are to the community and shared their concerns about the amount of green space that would be used for LID construction at 94 Avenue and 54 Street.

EPCOR is currently reviewing the design at this location to determine if the layout can be

adjusted to preserve more green space for public use. The review will take into account the footprint required for the facility as well as the type of vegetation required. The final determination of the site's layout will be made by the project team with input from the City of Edmonton, and will be communicated to residents.

Residents also shared their concerns about access to driveways during sewer upgrades. Sewer upgrades will be performed using open trench construction. Open-trench construction is a method in which the surface area is excavated to install new infrastructure.

Open-trench construction requires a large area to accommodate trenching; therefore, impacts usually include road and/or sidewalk closures.

Access to private driveways may be restricted during construction, however individual impacts to residents will be communicated prior to construction beginning.

CURRENT WORKSITES

Sewer separation work has now begun and will be completed in stages throughout the neighbourhood.

Work Area #1 - 90A Ave & 91 Ave Sewer Upgrades *(in progress)*

Mid-May 2024 to early September 2024

Crews are performing open trench construction to upgrade the sewer system on 91 Avenue east of 58 Street, and 90A Avenue west of 58 Street.

All affected landscaping, pavements and sidewalks will be temporarily restored once construction is complete. Once EPCOR's construction is complete, the City of Edmonton will be performing construction work to rehabilitate residential roads as part of Neighbourhood Renewal.

Laydown Areas and Green Space Impacts

Several laydown areas are being used during project construction, including the green space north of Austin O'Brien High School.

A portion of Ottewell Park will be used as an additional laydown area and a large portion of the park will be closed to accommodate the construction of the dry pond.

FUTURE STORM SEWER UPGRADES

More detailed information will be provided to residents before construction begins in each area and will include details of traffic accommodations, staging, construction impacts, and timelines where possible.

Tree Trimming, Removal and Replacement

To prepare for construction, trees and vegetation that conflict with the work areas will be tagged prior to removal/trimming. EPCOR is working



with the City of Edmonton Urban Forestry department and removal/trimming will only be done where absolutely necessary. Notice of tree removals will be provided in advance.

Once construction is complete, the City of Edmonton Urban Forestry department will determine the number of trees to be replaced and the replacement locations.

Utility Relocations

In order to complete the new sewer and dry pond construction, some existing utilities may need to be moved. Utility relocations will be completed prior to construction beginning and additional information will be provided to affected residences.

Restoration Work

All affected landscaping, pavements and sidewalks will be temporarily restored once construction is complete. Once EPCOR's construction is complete, the City of Edmonton will be performing construction work to rehabilitate residential roads as part of Neighbourhood Renewal.

HOURS OF CONSTRUCTION

Typical hours of work will be from **7:00 am to 7:00 pm, Monday to Saturday**. If required, these hours may be extended, and construction may occur on Sundays from 9:00 am to 5:00 pm.

EPCOR will do everything possible to manage noise associated with the construction and will work to ensure that the construction is completed within the requirements of the City of Edmonton Noise Bylaw.

SAFETY

The work areas will be barricaded and marked as a restricted areas. We will take every precaution to ensure public safety. Please keep a safe distance from the equipment.

We thank you for your patience and understanding as we perform this necessary work.

OTHER WORK IN THE AREA

City of Edmonton Building Great Neighbourhoods – Neighbourhood Renewal

To reduce the impacts to the community, EPCOR will be coordinating construction with the City of Edmonton's Neighbourhood Renewal construction. The City's construction is currently underway to rehabilitate residential roads, replace street lights, sidewalks, curbs and gutters and add missing sidewalk links where possible.

Any inquiries about neighbourhood renewal can be directed to City of Edmonton by calling 311 or emailing BuildingGreatNeighbourhoods@edmonton.ca.

MORE INFORMATION

EPCOR Water Services

Phone: (780) 412-4200

E-mail: epcorprojects@epcor.com

This project is funded in part by the Government of Canada.

