

# CONSTRUCTION NOTICE

U of A Farms Drainage Improvements Project  
122 Street, North of 51 Avenue

**AUGUST 2022**

## BACKGROUND

Severe storm events can inundate areas with intense volumes of rain and overwhelm the underground drainage systems. Drainage systems are not designed to handle these extreme rain events as the costs to build systems of this capacity would exponentially increase drainage rates for customers.

To address flooding risks, EPCOR has been undertaking multiple flood mitigation projects across the city to help manage storm events through the Stormwater Integrated Resource Plan (SIRP). This initiative aims to reduce the risk of flooding in Edmonton neighbourhoods.

One of the flood mitigation initiatives under SIRP includes installing Low Impact Development (LID) infrastructure in the U of A Farms area.

## WHAT IS LID?

LIDs are landscaped features with both above and underground elements. They are designed to manage water close to its source and slow it from entering the drainage

system directly. These facilities will reduce the volume and speed of water entering the system by retaining some rainfall or snow melt, allowing it to enter the ground and be filtered by plants and soil. During severe storm events the drainage system can be overwhelmed, LIDs help mitigate local flooding by managing the volumes of water entering the drainage system.

## WHAT IS HAPPENING

An LID facility will be constructed in the green space on the University of Alberta Farm property along the east side of 122 Street, north of 51 Avenue.

The work includes open trench excavation for an area approximately 1.7 to 2.0 metres deep. Once the facility is constructed, the trench will be backfilled with rock and an engineered soil mix. The restoration will include new sod/ grass, mulch and shrubs.

Residents may experience dust and general noise as a number of construction equipment and trucks will be used for material delivery, excavation, soil removal and surface restoration.



*Note: this image is not the exact design for this location. This is an example of what an LID facility can look like.*

## MAP OF WORK AREA



## SCHEDULE

The construction is scheduled to begin the **week of August 8, 2022** and is expected to be completed by **late October 2022**. *Please note, these timelines are estimates and may change based on weather, progress and construction conditions.*

Typical hours of operation will be from **7:00 a.m. to 9:00 p.m., Monday to Saturday**. If required, these hours may be extended, and construction may occur on Sundays from 9:00 a.m. to 7:00 p.m.

All affected landscaping and pavements will be restored to their original condition. Restorations are anticipated to be completed in fall 2022, weather permitting.

## TRAFFIC IMPACTS

- The northbound curb lane on 122 Street adjacent to both work areas will be closed during off-peak hours.
- One lane of northbound traffic on 122 Street will be maintained at all times.

## SAFETY

The construction area will be fenced and marked as a restricted area. We will take every precaution to ensure public safety, and we request your assistance in keeping children and pets a safe distance from the construction site and the equipment.

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

## HOW LID WORKS

The water will enter the facility through catchbasins and will flow throughout the facility where it will be used by the newly planted engineered soil and plants. Any excess water will flow through a layer of rock into different perforated pipes that are connected to the existing underground drainage system.

During some rainfall events and in the winter, runoff has the potential to exceed the capacity of the LID and excess water flows may bypass the LID or may create ponding until the LID can fully drain.

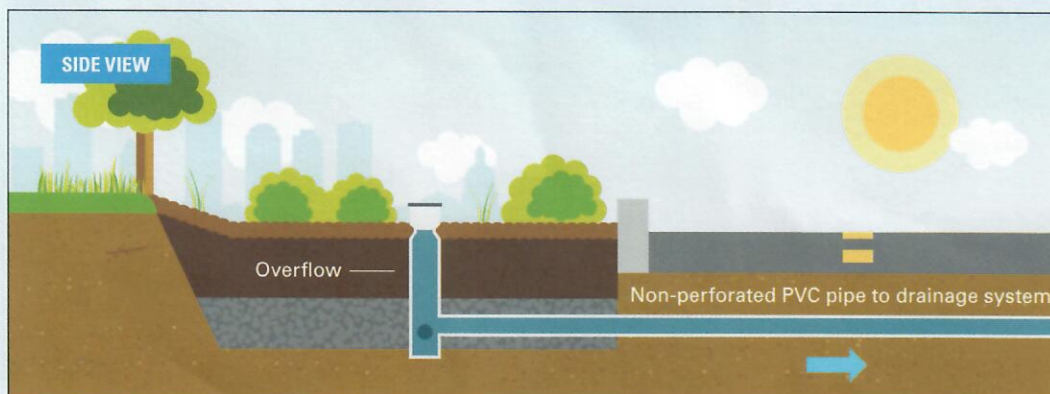
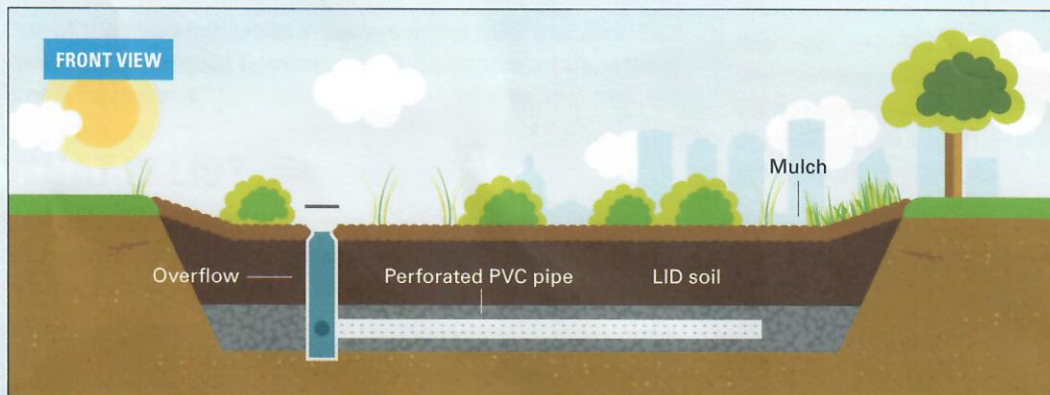
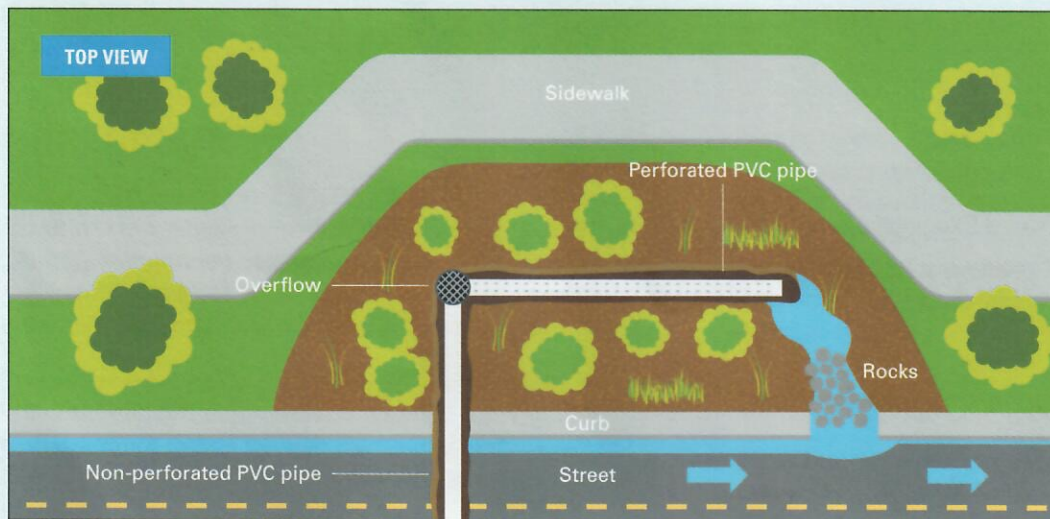
All future maintenance of EPCOR owned LID facilities will be completed by EPCOR.

## BENEFITS OF LID

The benefits of LID infrastructure are:

- To help reduce local flooding - In smaller rain events the amount of rain can be entirely absorbed by the plants and soil in the LID facility. In bigger storms, the LID facility slows the speed of the water entering the underground pipes which can help reduce extent, depth and duration of overland flooding in our neighbourhoods.
- The soils and plants filter many pollutants and stop them from entering the underground pipes and ultimately to creeks and rivers improving water quality.
- Provides green spaces for our bees and wildlife to enjoy.
- Helps to combat climate change by adding new greenery.

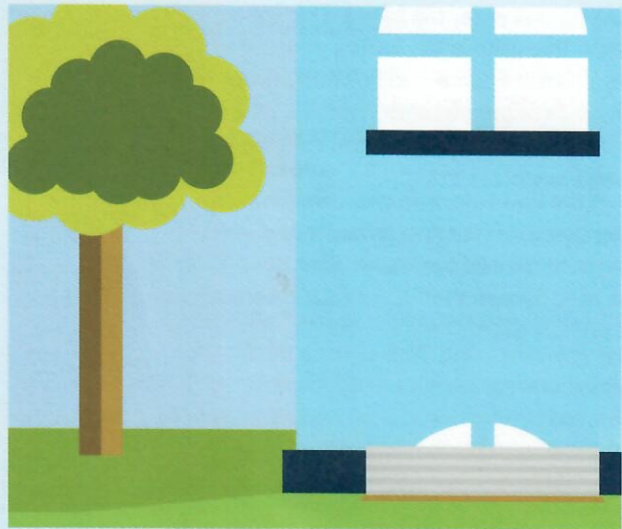
**Note:** this is an illustration of LID, how it works, and what it typically looks like underground.



## 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](mailto:floodprevention@epcor.com) or visit [epcor.com/floodprevention](http://epcor.com/floodprevention) to learn more.

For more information on LID facilities, please visit [www.epcor.com/LID](http://www.epcor.com/LID)

## MORE INFORMATION

### EPCOR Drainage Services

Phone: (780) 509-8080

E-mail: [epcordrainage@epcor.com](mailto:epcordrainage@epcor.com)

