



Dunluce Neighbourhood and Alley Renewal

Low Impact Development (LID) in Dunluce*

The City of Edmonton, in partnership with EPCOR, will be installing Low Impact Development (LID) facilities in the neighbourhood to help mitigate surface flooding. The construction of these LID facilities will not have any overall impact on the design of the road width, walkways, private properties or green spaces. All costs associated with design, construction, maintenance and operation of these facilities are funded by EPCOR.

What the plan includes:

Three different types of LID facilities are being considered for Dunluce:

- + **Absorbent landscaping:** Absorbent landscaping looks similar to other grassed boulevards, but is designed with a very shallow depression to collect road runoff and allow it to absorb into the ground. Absorbent landscaping areas will be grass and may have trees
- + **Bioretention basins:** Bioretention basins look like a typical shrub bed but underneath have specially blended soils and rock layers to hold water during and after a rainfall. Excess water drains into the underground pipes as it did before
- + **Soil cells:** Soil cells are plastic milk crate-like structures that contain specially blended soils to store stormwater while remaining hidden beneath sidewalks. Excess water drains into the underground pipes as it did before

What are the benefits?

- + Helps reduce local flooding. Small amounts of rain can be absorbed entirely by the facility. During bigger storms, the facility slows the speed of water entering underground pipes, reducing the chance of backup and flooding
- + Cleaner stormwater leads to a cleaner river. LID facilities improve stormwater quality, preventing certain pollutants from entering creeks and rivers
- + Adds important green spaces and vegetation for citizens, bees, and wildlife
- + Helps to combat climate change impacts by adding greenery and reducing the impact of heat reflecting off paved surfaces

If you have any questions about LID facilities or their construction please contact:

EPCOR

780-412-4200

epcorprojects@epcor.com

Website: <https://www.epcor.com/ca/en/ab/edmonton/operations/construction/flood-mitigation/low-impact-development.html>

*Installation of LID facilities is pending final grading of proposed LID locations

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Dunluce Low Impact Development proposed locations

