

12 WATER SYSTEMS



ECOLOGICAL STORMWATER APPROACH

GOAL: INCREASE THE PERMEABILITY OF THE ENTIRE CORRIDOR AND VISIBLY DEMONSTRATE AN ECOLOGICAL APPROACH TO STORMWATER COLLECTION, STORAGE AND CLEANSING

Ideas:

- Increase green spaces throughout the corridor
- Increase the number of rain gardens and other ecological approaches to stormwater management within parks and street rights of way

- Increase the use of permeable surfaces throughout the corridor
- Look at park areas as major stormwater catchment opportunities



IN MEDIAN
Ideas: Before and after view at 38th, with rain garden in bump out added



IN BOULEVARDS
Ideas: Before and after view. Parking lane removed and rain garden and planting added



AT BUMP-OUT
Ideas: Before and after view. Rain garden and bump out added at fire hydrant locations

Rain Gardens:

Anywhere a significant volume of storm water runoff can be diverted from conventional catch basins there is an opportunity to introduce a rain garden. Most of the storm water structure along the corridor is already in place so it would require relatively minor improvements to pursue this concept.

Rain Gardens are proposed at 3 different locations along Cambie Street: 1. In the Heritage Boulevard median, 2. In the boulevard, and 3. At bump-outs.

Benefits:

- Reduction of peak volumes of rainwater runoff
- Building ecological awareness
- Improved Biodiversity

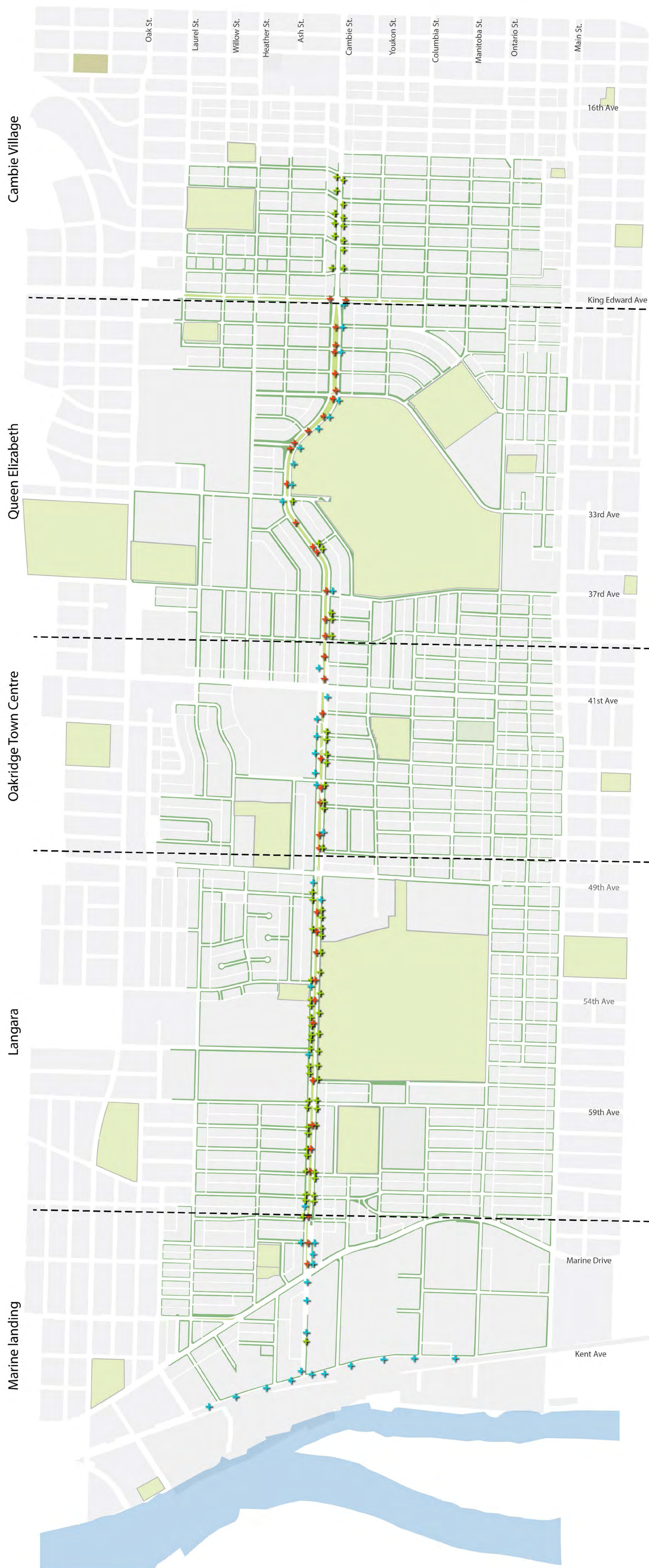


Permeable Paving:

Where paving is necessary, permeable paving can also be used in the median, the boulevards, and at bump-outs.

Ideas:

- Increase permeable paving in parks
- Where possible, increase permeability in lanes with permeable paving
- Where possible, introduce grass sections, permeable pavers and more planting into residential lanes



- IDEAS**
- ★ Rain Garden on Median
 - ★ Rain Garden on Boulevard
 - ★ Rain Garden at Bump-Out

