

# Movement

## Roadway redesign



 Gariepy neighbourhood boundary

### Opportunities






-  Collector roadway redesign
-  Local roadway redesign (south)
-  School drop-off upgrades
-  Repurposing local road space
-  Local roadway redesign (east)
-  Callingwood road redesign

## Collector roadway redesign

### Option 1: Shared pathway along 57 Avenue/172 Street

#### Potential improvement locations

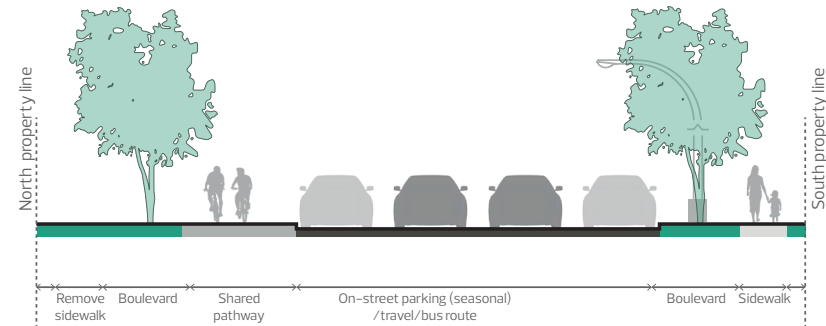


-  Shared pathway
-  Alley/driveway
-  Measures to slow traffic
-  Enhanced crossing
-  Waste bins at bus stops

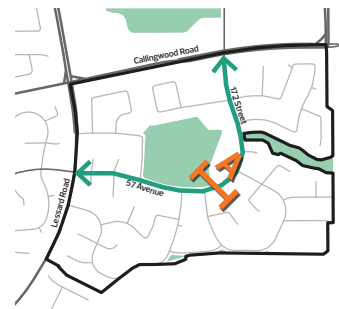
#### What we are proposing

- + Removing the existing sidewalk and adding curbside shared pathway on the north/west side
- + Widening the sidewalk on the south/east side
- + Enhancing crossings
- + Adding measures to slow traffic
- + Repurposing extra road space to accommodate a curbside shared pathway

#### Typical cross section 'A'



#### Key map



#### Shared pathway



## Potential measures to slow traffic

### Curb extensions



#### What is a curb extension?

A curb extension extends the curb to define the parking lane and provide additional space for people who cross at key locations either at the corners of a street or at a mid-block crossing.

### Raised crosswalk



#### What is a raised crosswalk?

A raised crosswalk is a marked crosswalk at an intersection which is constructed higher than the roadway surface.

### Raised median



Source: *Designing for Pedestrian Safety*

#### What is a raised median

A raised median is an island located along the centerline of a street.

### Speed table



Source: *City of Dallas*

#### What is a speed table?

Speed tables are a raised section of the road with ramps on both sides. They are very similar to raised crosswalks but are not placed at crossings.

## Collector roadway redesign

### Option 2: One-way raised bike lane on both sides of 57 Avenue/172 Street

#### Potential improvement locations

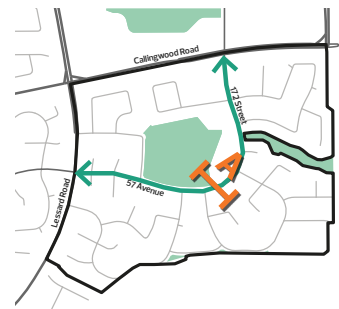


- Raised bike lane
- Alley/driveway
- Enhanced crossing
- Waste bins at bus stops

#### Typical cross section 'A'



#### Key map



#### Raised one-way and separated bike lane



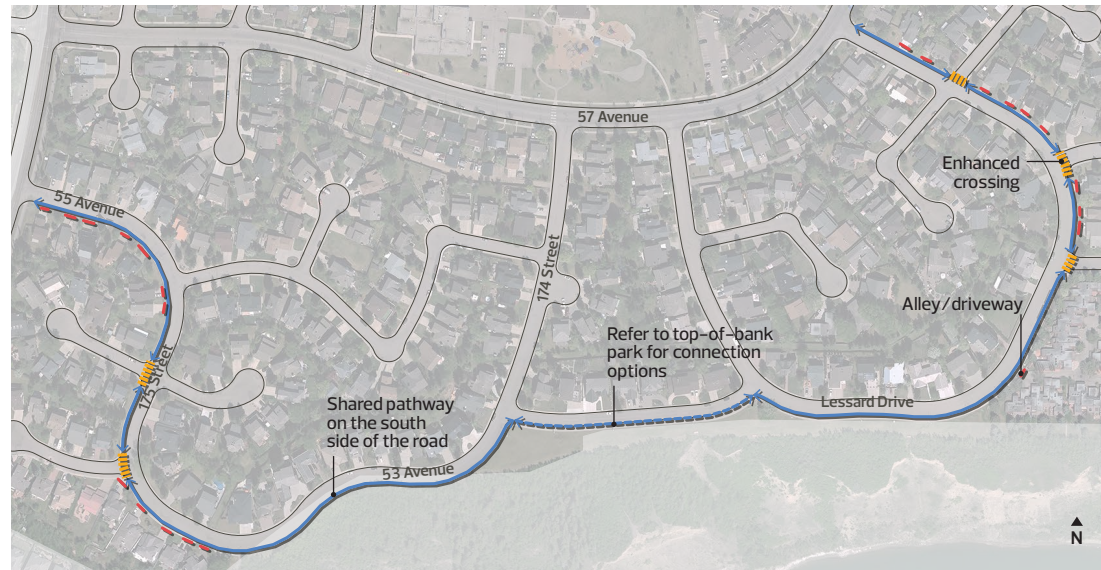
#### What we are proposing

- + Creating raised one-way bike lanes on both sides of the road
- + Enhancing crosswalks
- + Widening the sidewalks on both sides of the road
- + Repurposing extra road space to accommodate raised bike lane

## Local roadway redesign (south)

### Option 1: Shared pathway on the south side along 55 Avenue, 175 Street, 53 Avenue and Lessard Drive

#### Potential improvement locations



- Shared pathway
- Alley/driveway
- Enhanced crossing

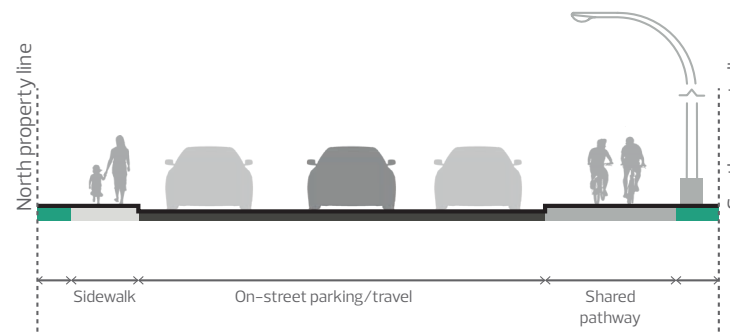
#### What we are proposing

- + Adding a shared pathway on the south side of the road
- + Replacing the sidewalk on the north side of the road
- + Enhancing crosswalks
- + Repurposing extra road space to accommodate a shared pathway

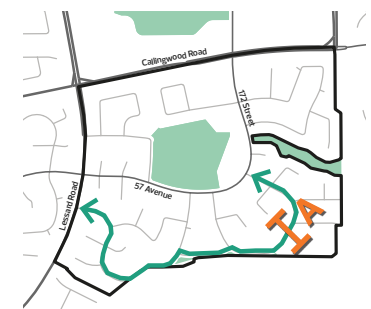
#### Shared pathway



#### Typical cross section 'A'



#### Key map



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## Local roadway redesign (south)

### Option 2: Boulevard and shared roadway with measures to slow traffic along 55 Avenue, 175 Street, 53 Avenue and Lessard Drive

#### Potential improvement locations



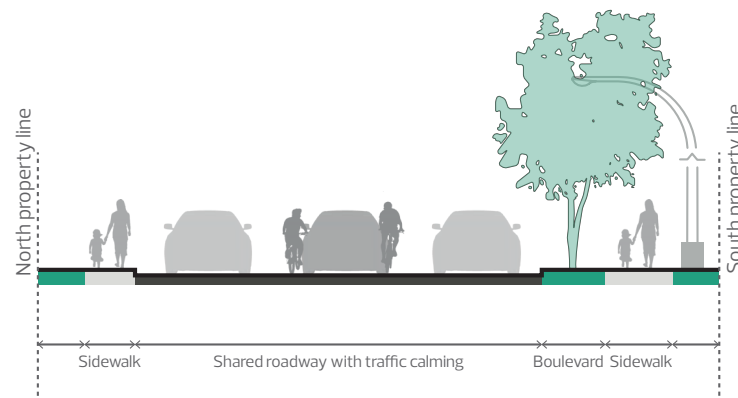
#### What we are proposing

- + Adding a boulevard sidewalk with new trees on the south side of the roadway
- + Replacing the sidewalk on the north side of the road
- + Creating a shared road for people driving and biking with measures to slow traffic
- + Repurposing extra road space to accommodate a new boulevard

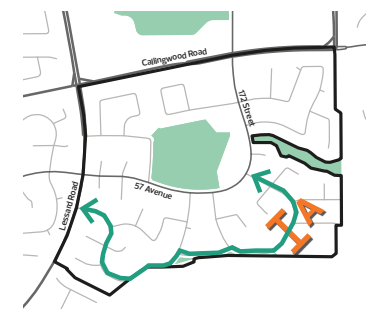
#### Shared roadway with traffic calming



#### Typical cross section 'A'



#### Key map



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## Centennial Elementary School drop-off upgrades (near 175 Street/57 Avenue)

### Potential improvements

#### Potential improvement locations



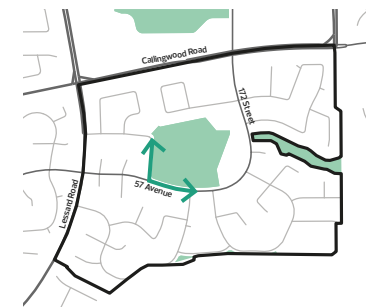
- Bus bay expansion
- Existing bus drop-off bay
- Intersection improvement
- New trees

All improvements proposed by the school site will be aligned with the option selected for 57 Avenue.

#### What we are proposing

- + Adding measures to slow traffic such as curb extensions or raised crosswalks at 175 Street and 174 Street
- + Widening sidewalks
- + Expanding the bus parking bay
- + Adding new trees where feasible

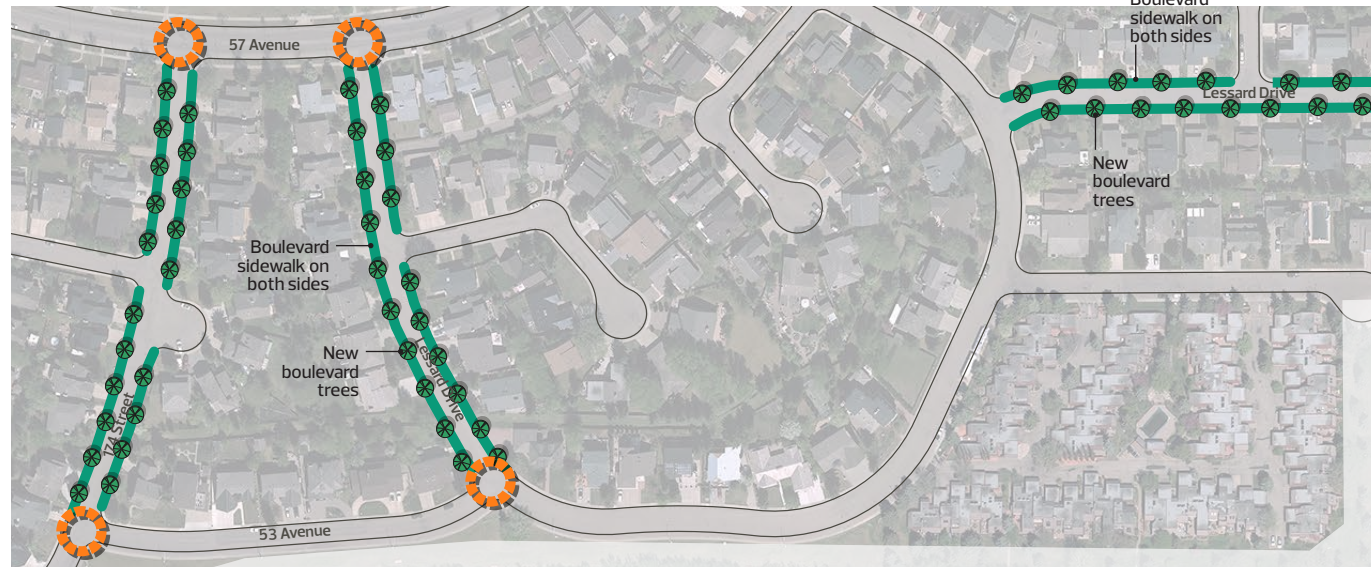
#### Key map






## Repurposing Local Road Space: 174 Street, Lessard Drive East and Lessard Drive West

### Option 1: Boulevard on both sides, curb realignment and shared roadway with measures to slow traffic along 174 Street and Lessard Drive

#### Potential improvement locations

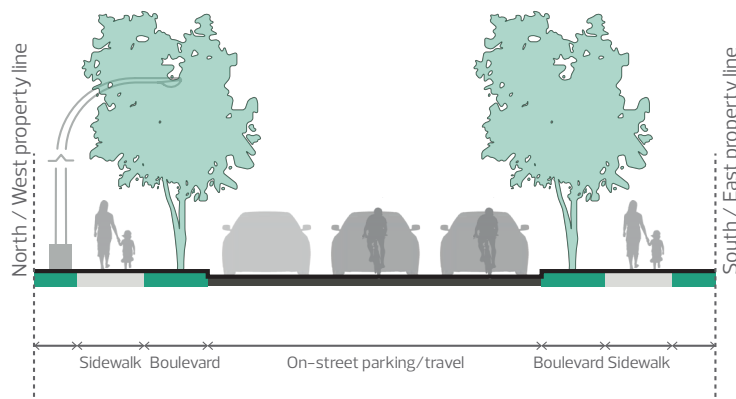


-  Boulevard sidewalk
-  New boulevard tree
-  Measures to slow traffic

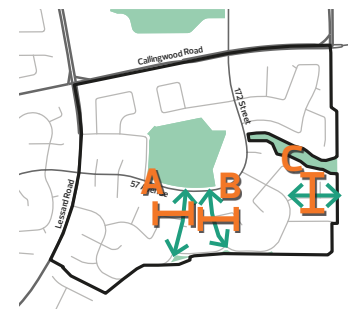
#### What we are proposing

- + Adding a boulevard with new trees to both sides of the road
- + Creating a shared road for people driving and biking with measures to slow traffic
- + Repurposing extra road space to accommodate a boulevard

#### Typical cross section 'A', 'B', and 'C'



#### Key map

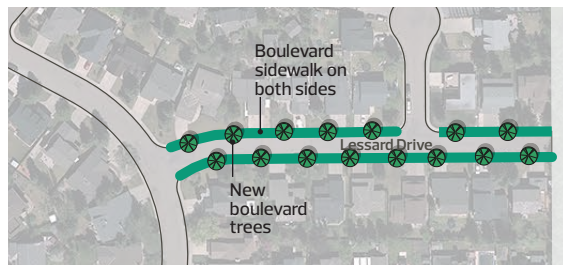
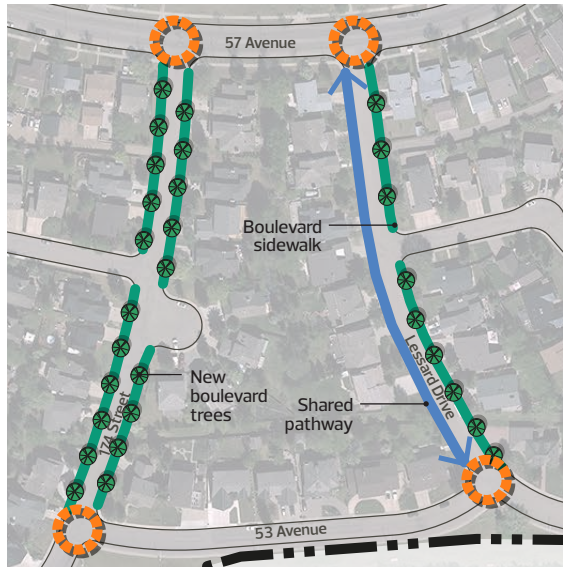








## Repurposing Local Road Space: 174 Street, Lessard Drive East and Lessard Drive West

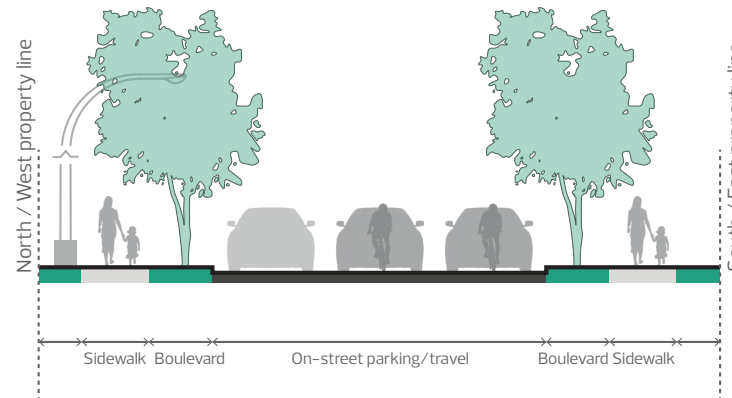
### Option 2: Boulevard and curb realignment along 174 street and Lessard Drive and shared pathway along the west side of Lessard Drive

#### Potential improvement locations

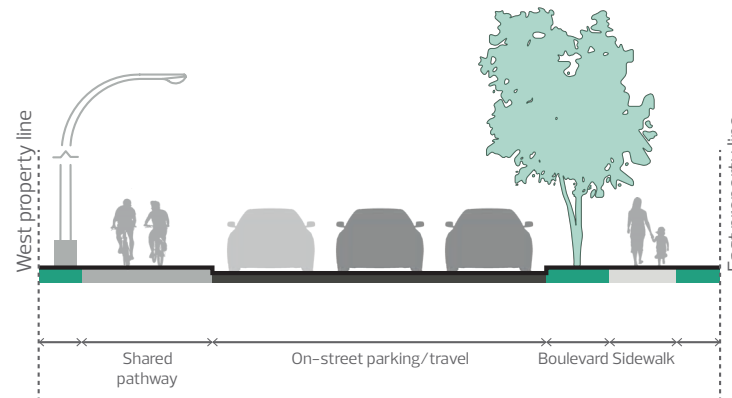


-  Boulevard sidewalk
-  New boulevard tree
-  Shared pathway
-  Measures to slow traffic

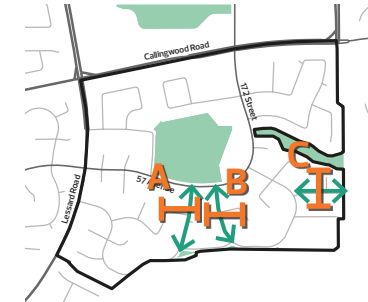
#### Typical cross section 'A' and 'C'



#### Typical cross section 'B'



#### Key map



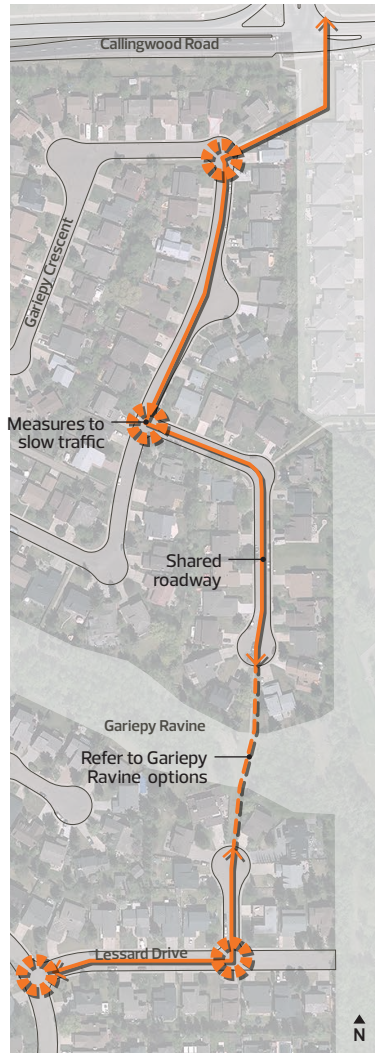
#### What we are proposing



- + Adding a boulevard with new trees to both sides of the road on 174 Street and Lessard Drive (dead-end portion)
- + Adding a north-south shared pathway on the west side of Lessard Drive
- + Adding a boulevard with new trees on the east side of Lessard Drive
- + Creating a shared road for people driving and biking with measures to slow traffic on Lessard Drive (dead-end portion) and 174 Street
- + Repurposing extra road space to accommodate a boulevard

## Local roadway redesign (east)

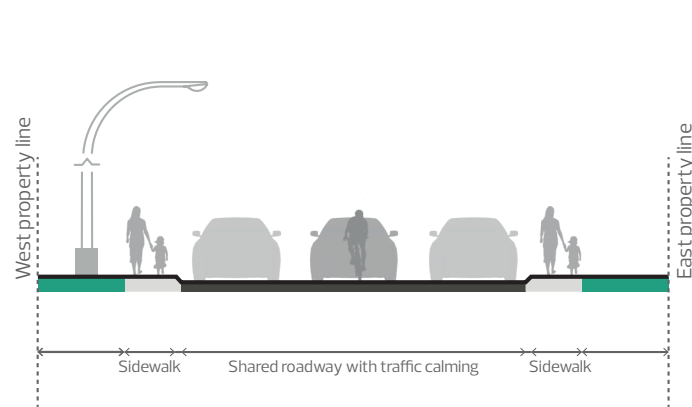
### Option 1: Shared roadway with measure to slow traffic along Lessard Drive and Gariepy Crescent

Potential improvement locations



-  Shared roadway
-  Measures to slow traffic

Typical cross section 'A'



Key map



Shared roadway with traffic calming



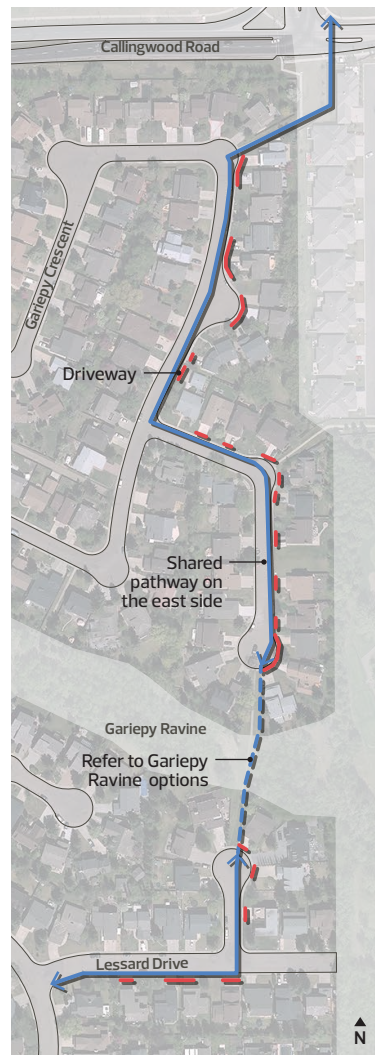
#### What we are proposing

- + Creating a shared road for people driving and biking with measures to slow traffic
- + Widening sidewalks where feasible

## Local roadway redesign (east)

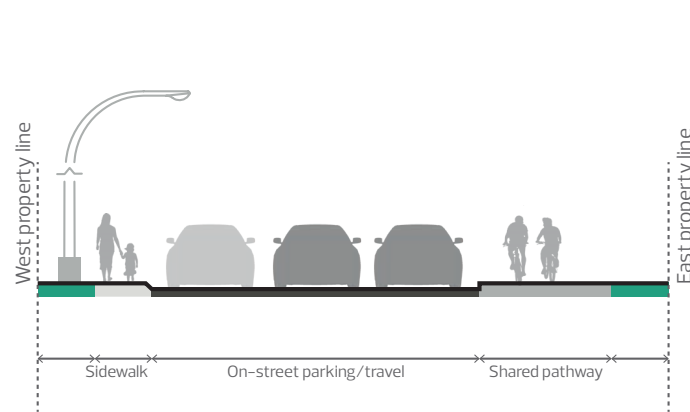
### Option 2: Shared pathway on the east side of Lessard Drive and Gariepy Crescent

#### Potential improvement locations

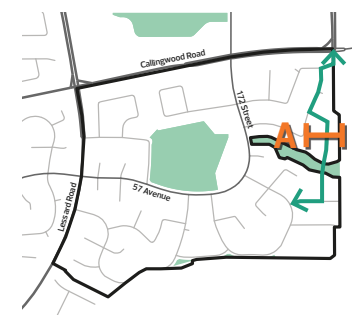


- Shared pathway
- Driveway

#### Typical cross section 'A'



#### Key map



#### Shared pathway



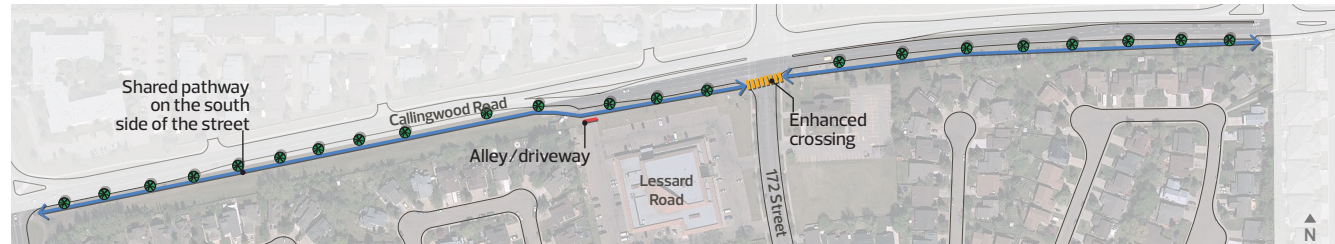
#### What we are proposing

- + Adding a shared pathway on the east side of the roadway
- + Repurposing extra road space to accommodate a shared pathway

## Callingwood Road redesign

### Shared pathway and new boulevard trees on the south side of the road

#### Potential improvement locations

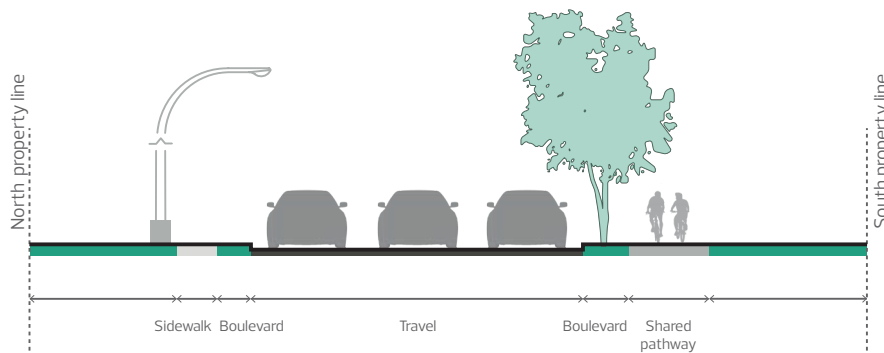


- Shared pathway
- Enhanced crossing
- Alley/driveway

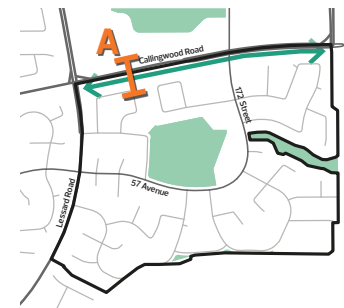
#### Shared pathway



#### Typical cross section 'A'



#### Key map

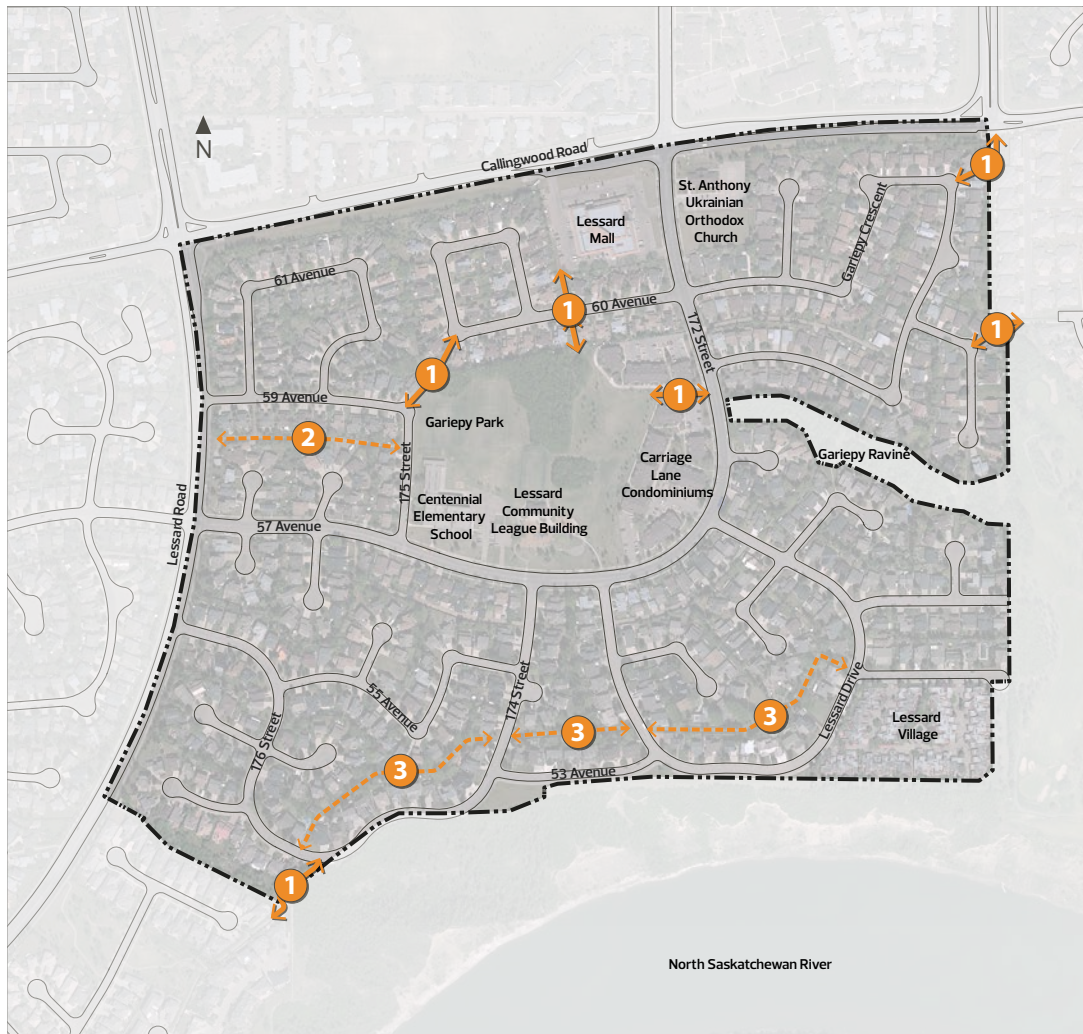


#### What we are proposing

- + Adding a shared pathway along the southside of Callingwood road that aligns with the City's Bike Plan
- + Creating a boulevard with new trees
- + Enhancing the crossing at 172 Street


## Movement


# Enhanced Connections



 Gariepy neighbourhood boundary

 1 Breezeways

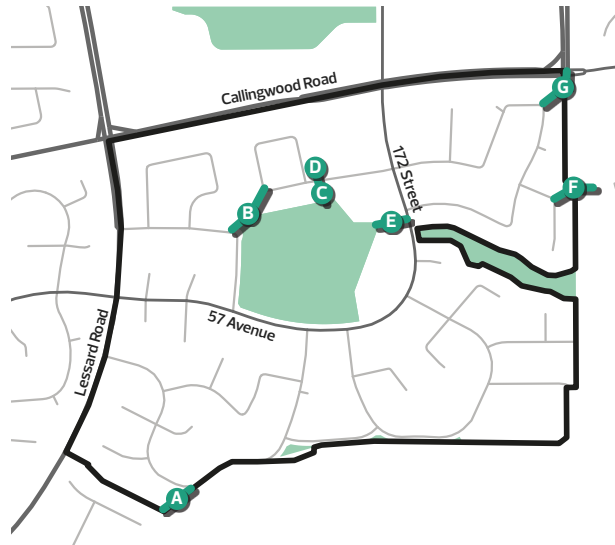
 2 Shared street connection

 3 Green alley connections

## \*Breezeways

\*A breezeway is a public pathway between two private properties. They enhance accessibility and connectivity within the neighbourhood.

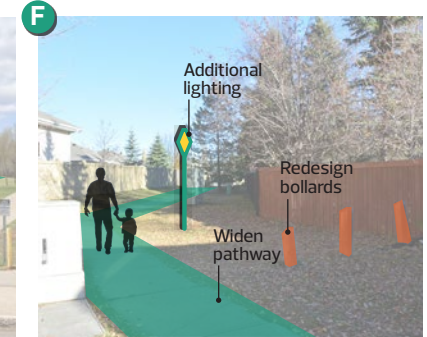
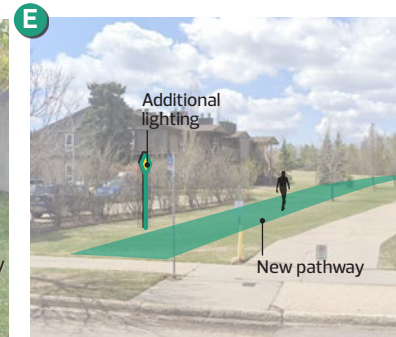
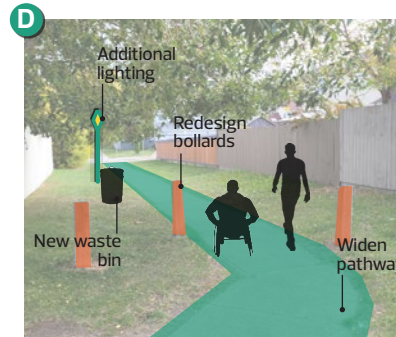
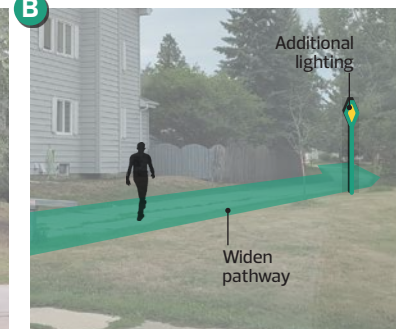
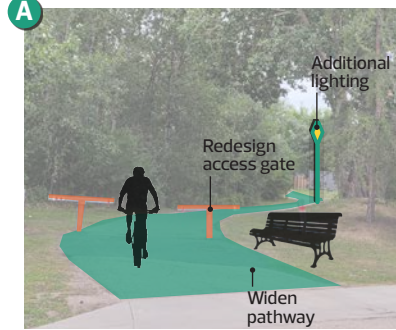
### Key map



### What we are proposing

- + Widening existing pathways
- + Adding new pathways where they are missing
- + Adding new lighting where feasible
- + Adding waste bins in high traffic locations
- + Adding benches where feasible
- + Redesigning the bollards

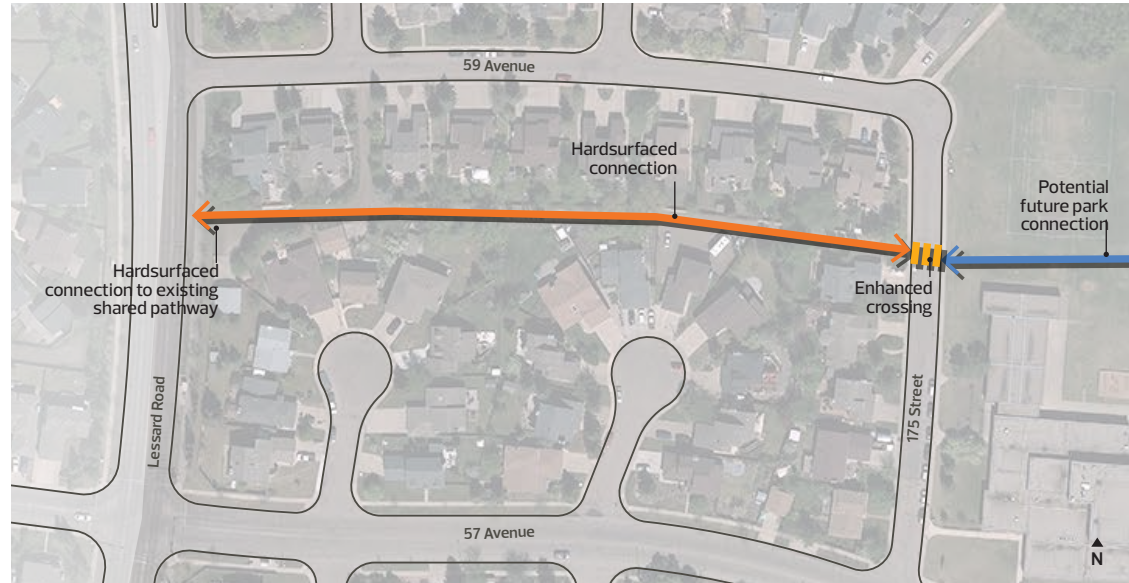
### Potential improvement



## Shared street connections: The laneway between 175 Street and Lessard Road

### Option 1 (enhances the alley for people walking, rolling and biking while maintaining use for people driving)

#### Potential improvement locations



- ↔ Alley
- ↔ Shared pathway
- ▨ Enhanced crossing

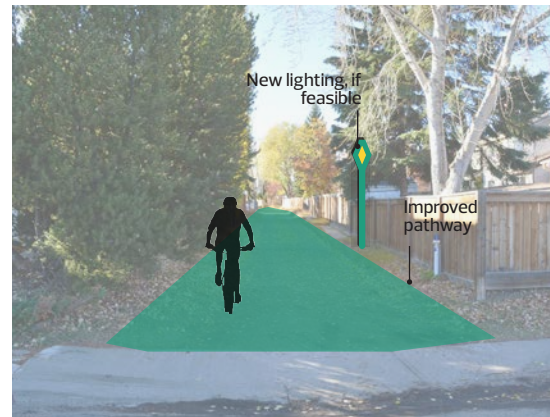
#### What we are proposing

- + Creating a shared street through the existing alley with enhanced surfacing or markings and signage
- + Adding new lights where feasible
- + Enhancing the crossing to Gariepy Park and Centennial Elementary School
- + Extending the pathway to connect to the Lessard Road shared pathway
- + Establishing a connection to a potential future park connection in Gariepy Park

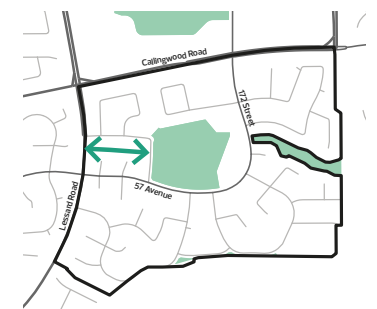
#### Existing conditions



#### Potential improvements



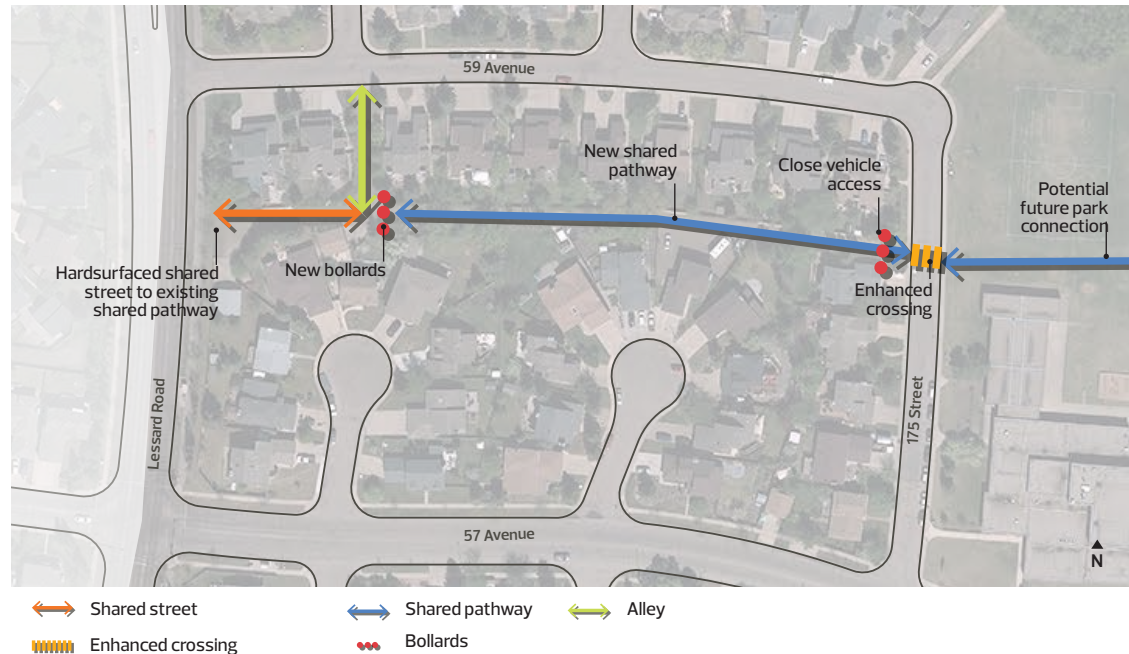
#### Key map



## Shared street connections: The laneway between 175 Street and Lessard Road

### Option 2 (prioritizes people walking, rolling and biking)

#### Potential improvement locations



#### What we are proposing

- + Adding a shared pathway in the existing alley from 175 Street west to the alley intersection with bollards
- + Creating a shared street through the existing alley with enhanced surfacing or markings and signage from the alley intersection west to Lessard Road
- + Adding new lights where feasible
- + Enhancing the crossing to Gariepy Park and Centennial Elementary School
- + Creating a walking, rolling, and biking connection to the Lessard Road shared pathway
- + Establishing a connection to a potential future park connection in Gariepy Park

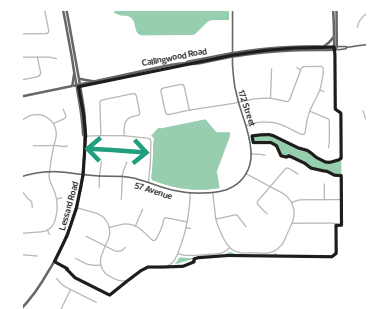
#### Existing conditions



#### Potential improvements



#### Key map





## Green alley connections

### Option 1: Hard surfaced pathways located on the south side of the neighbourhood between 53 Avenue and Lessard Drive

#### Potential improvement locations



↔ Pathway

▨ Enhanced crossing

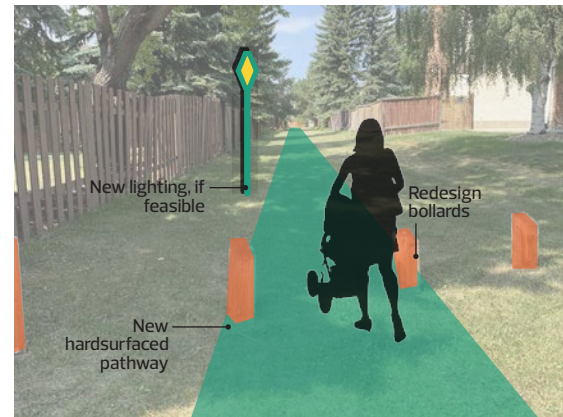
#### What we are proposing

- + Creating a new hard surfaced pathway connection
- + Adding lighting where feasible
- + Redesigning the bollards
- + Enhancing the connections across 174 Street and Lessard Drive

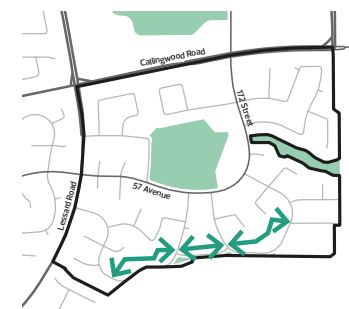
#### Example of a hardsurfaced pathway



#### Potential improvements



#### Key map



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## Green alley connections

### Option 2: Naturalized pathways located on the south side of the neighbourhood between 53 Avenue and Lessard Drive

#### Potential improvement locations



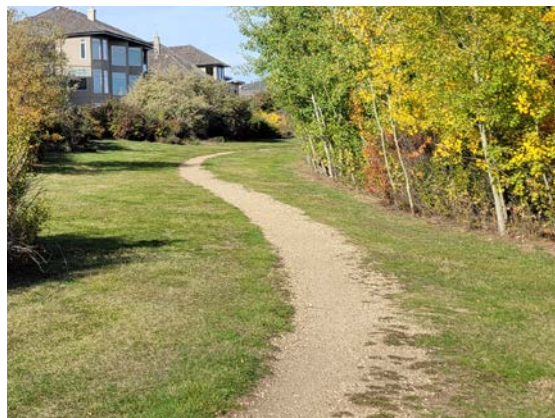
↔ Pathway

▤ Enhanced crossing

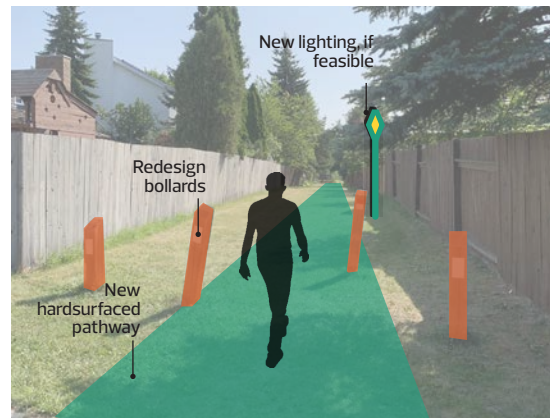
#### What we are proposing

- + Creating a new naturalized pathway connection
- + Adding lighting where feasible
- + Redesigning the bollards
- + Enhancing the connections across 174 Street and Lessard Drive

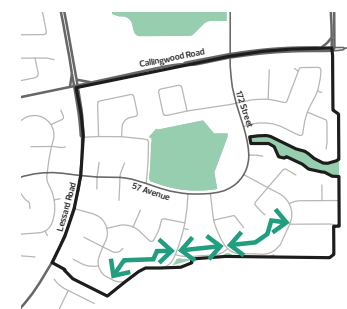
#### Example of naturalized pathway



#### Potential improvements



#### Key map



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## Parks and open spaces

# Park spaces



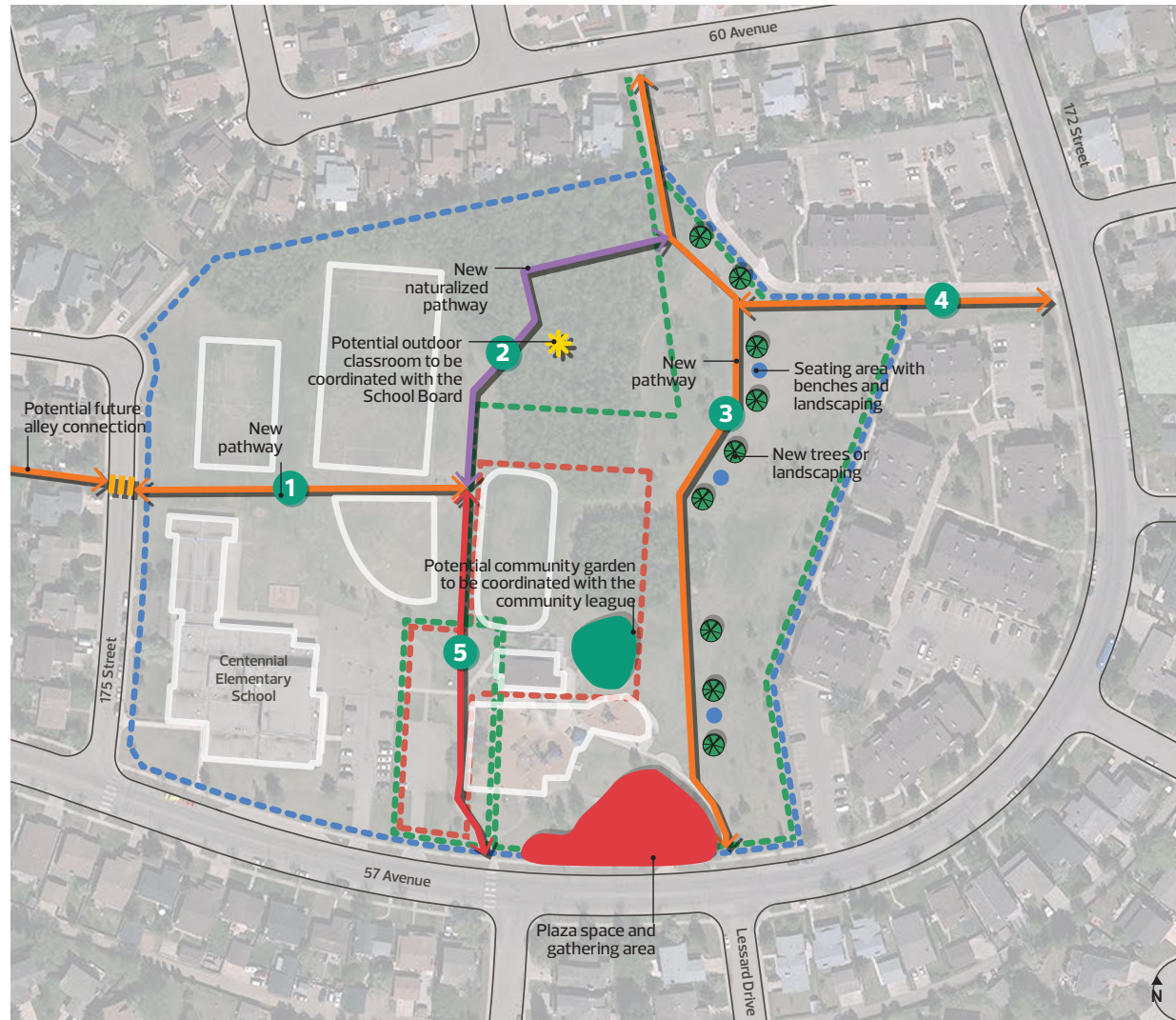
-  Gariepy neighbourhood boundary
-  Community League Agreement area
-  Joint use area
-  Parks holding
-  Sports field
-  North Saskatchewan River Valley and Ravine System Protection Overlay

### Opportunities

-  1 Gariepy Park
-  2 Gariepy Ravine
-  3 Top-of-bank Park
-  4 Viewpoint improvements

## Gariepy Park

### Potential improvement locations



- |   |                             |   |                                 |
|---|-----------------------------|---|---------------------------------|
| Pathway   | New tree                    | Plaza or gathering space                          | Community League Agreement Area |
| Naturalized pathway                             | Seating area                | Community garden or other feature (community-led) | Joint Use Area                  |
| Enhanced crossing                               | Potential outdoor classroom |   | Parks Holding                   |
| Pathway to be coordinated with community league |                             |   |                                 |

### What we are proposing

- + Adding a new north-to-south pathway connection along the east side of the park
  - + Adding a new east-to-west pathway connection to 172 Street
  - + Adding a new pathway connection between the sports fields and the playground
  - + Enhancing the existing naturalized pathway in the Gariepy Park forested area
  - + Adding new lighting along pathways and near gathering spaces
  - + Adding new seating areas with benches and landscaping along the north to south pathway
  - + Working with the Centennial School to develop a potential outdoor classroom
  - + Adding a potential community garden
  - + Adding a new plaza space and gathering area
- + Considering new amenities, including:
    - + Gazebo (pending community funding)
    - + Bike pump track (pending community funding)
    - + Shelter
    - + Waste bins
    - + Bike racks
    - + Naturalized planting
    - + New trees
    - + Edible landscaping

\*Coordination with the Edmonton Public School Board would be required for any infrastructure planned on School Board land that proceeds to construction'

## Gariepy Park

### Sample images of potential new community led amenities

#### Gazebo



Source: GSA

#### Bike pump track



Source: Kids Bikes Canada

#### Community garden



Source: Mack Male

### Sample images of potential new amenities

#### Lighting



Source: GSA

#### Restoration planting



Source: City of Edmonton

#### Trees



Source: GSA

#### New benches



#### Waste bins



Source: GSA

#### Edible landscape



Source: Perennia.ca

#### Plaza space



Source: Nathan Pachal

#### Bike racks



Source: Bike Edmonton

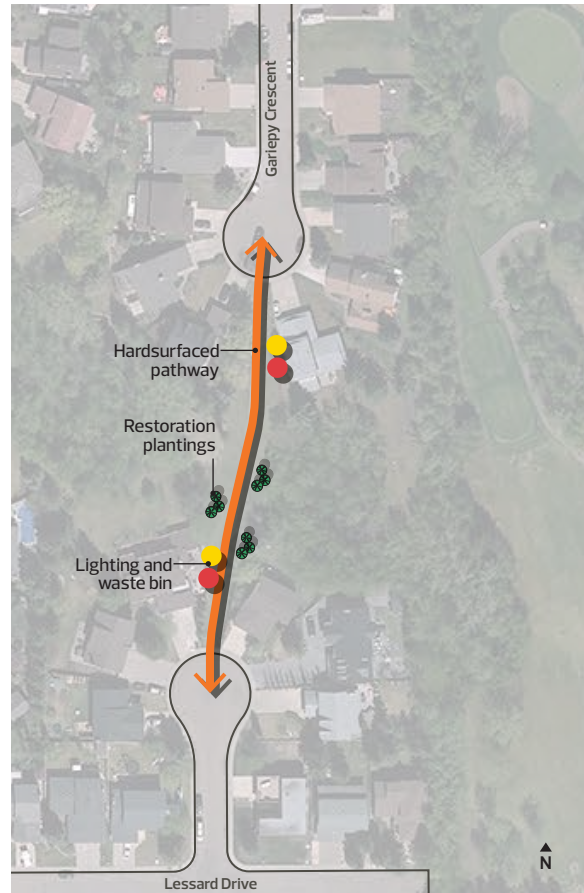
#### Shelter



## Gariepy Ravine – East connection

### East connection option 1: Hard surfaced pathway on the east side of the ravine between Lessard Drive and Gariepy Crescent

#### Potential improvement locations

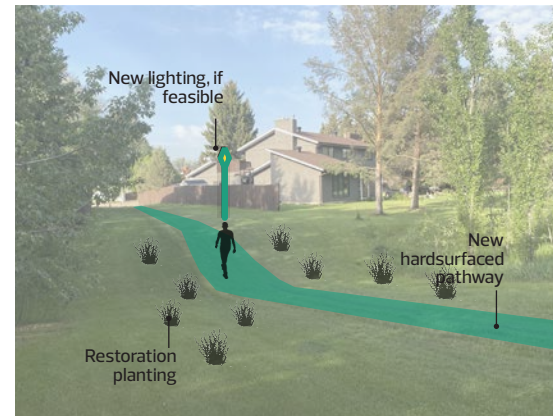


- Pathway
- Restoration planting
- Additional lighting
- Waste bin

#### Example of hardsurfaced pathway



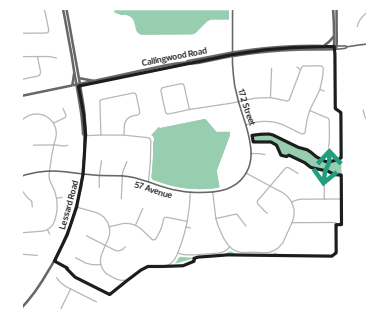
#### Potential improvements



#### What we are proposing

- + Adding a new hard surfaced pathway
- + **Option 1A:** Regrading to work with existing topography or
- + **Option 1B:** Adding a culvert to maintain drainage and add a pathway above with handrails
- + Adding new lighting if feasible
- + Adding restoration planting
- + Adding new waste bins

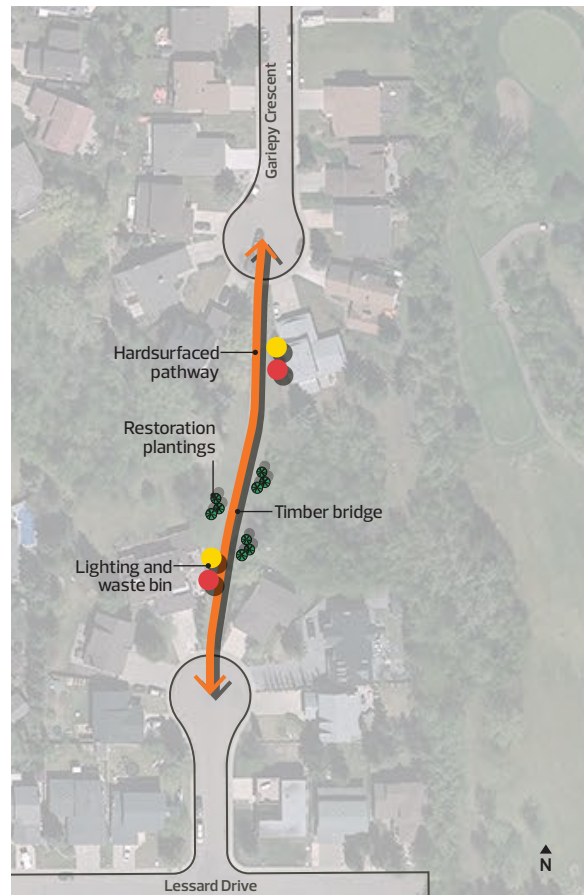
#### Key map



## Gariepy Ravine – East connection

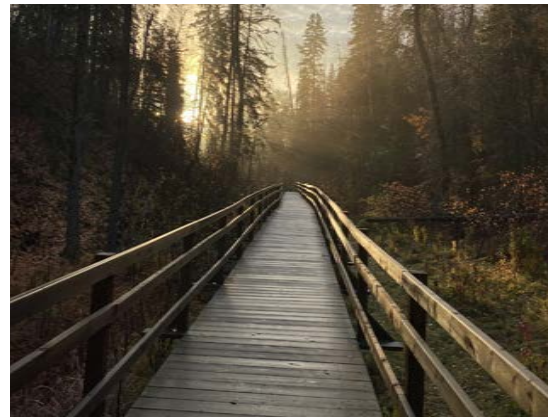
### East connection option 2: Timber walkway on the east side of the ravine between Lessard Drive and Gariepy Crescent

#### Potential improvement locations

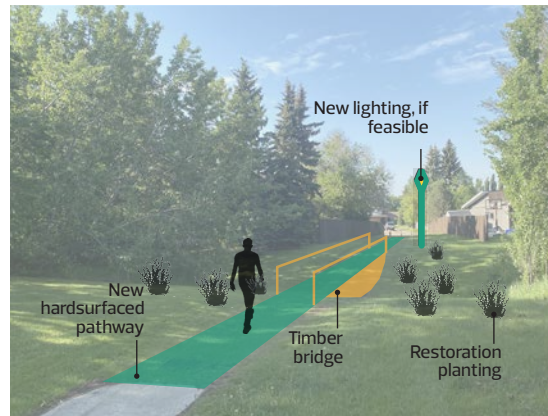


-  Pathway
-  Restoration planting
-  Additional lighting
-  Waste bin

#### Example of a timber bridge



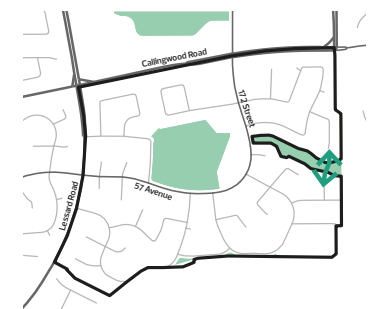
#### Potential improvements



#### What we are proposing

- + Adding a new hard-surfaced pathway
- + Adding a new timber bridge
- + Adding new lighting if feasible
- + Adding restoration planting
- + Adding new waste bins

#### Key map



## Gariepy Ravine – West connection

### West connection option 1: Restore the ravine on the west side between Lessard Drive and Gariepy Crescent

#### Potential improvement locations



- ↔ Remove existing pathway
- 🌳 New restoration planting

#### Example of restoration planting



Source: City of Edmonton

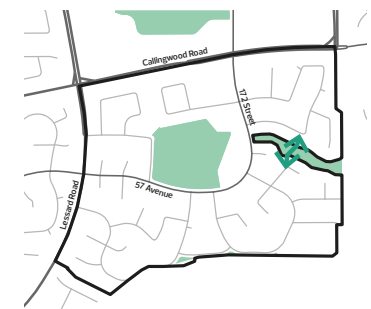
#### Potential improvements



#### What we are proposing

- + Restoring the ravine and remove all pathway connections as the current path does not align with the River Valley Bylaw
- + Adding restoration planting to enhance the biodiversity of the ravine

#### Key map

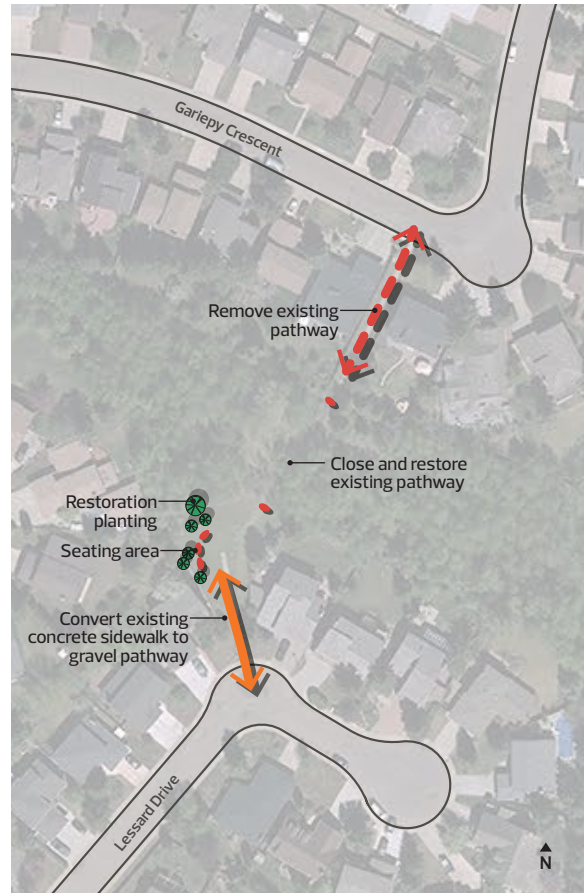




## Gariepy Ravine – West connection

### West connection option 2: Naturalized seating area on the west side of the ravine between Lessard Drive and Gariepy Crescent

#### Potential improvement locations



- Convert existing pathway
- Remove existing pathway
- New restoration planting

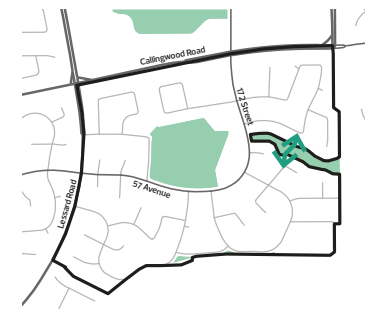
#### Potential improvements



#### What we are proposing

- + Converting the existing concrete sidewalk to a gravel pathway on the south side
- + Adding a seating area
- + Removing the existing pathway on the north side of the ravine
- + Closing the informal pathway through the ravine as the current path does not align with the River Valley Bylaw
- + Adding restoration planting to enhance the biodiversity of the ravine

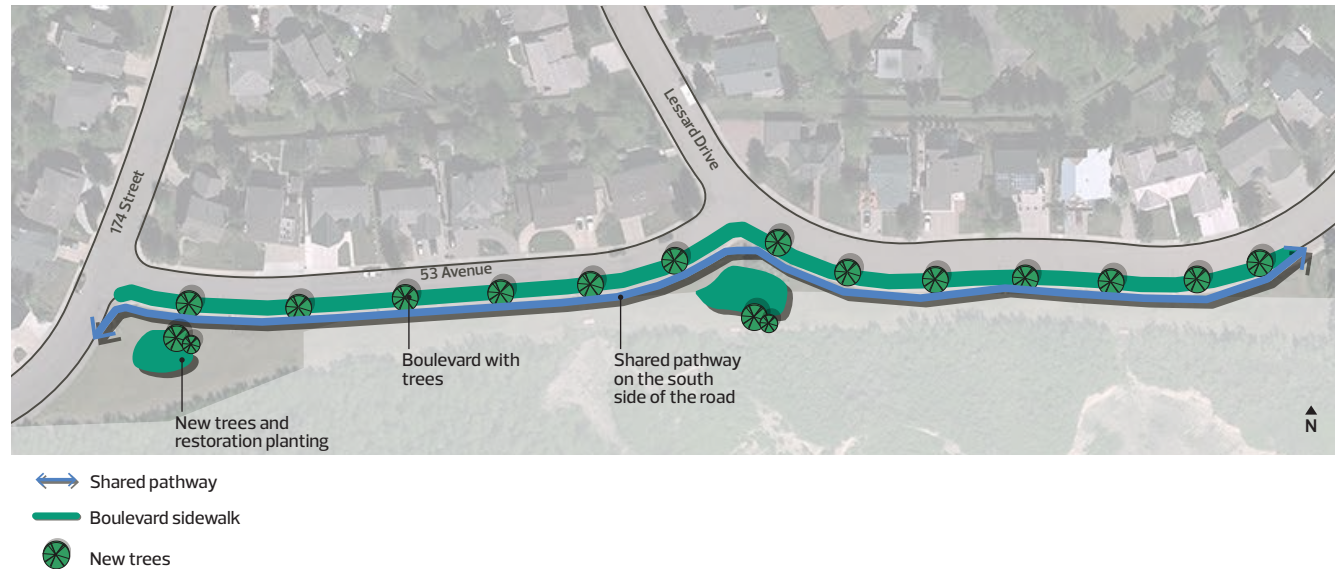
#### Key map



## Top-of-bank park

### Pathway option 1: Boulevard and shared pathway and road realignment on the south side of the roadway between 174 Street and Lessard Drive

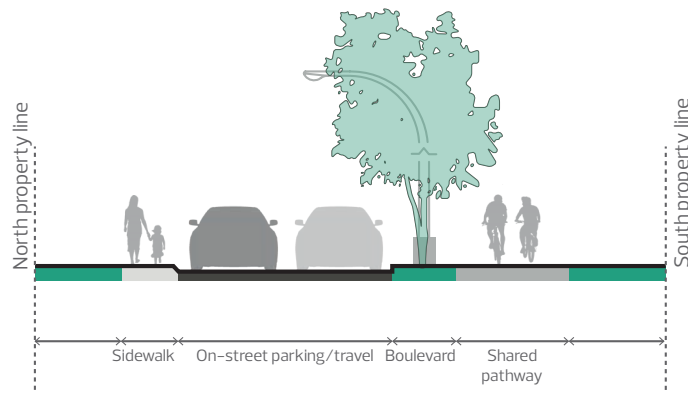
#### Potential improvement locations



#### What we are proposing

- + Adding a shared pathway on the south side of the roadway to accommodate people walking, rolling and biking
- + Adding a boulevard with new trees on the south side of the roadway
- + Adding new trees and restoration planting to the top-of-bank park
- + Removing parking on the north side of the roadway
- + Realigning the south curb

#### Typical cross section 'A' (Road realignment)



#### Shared pathway with a boulevard



#### Key map



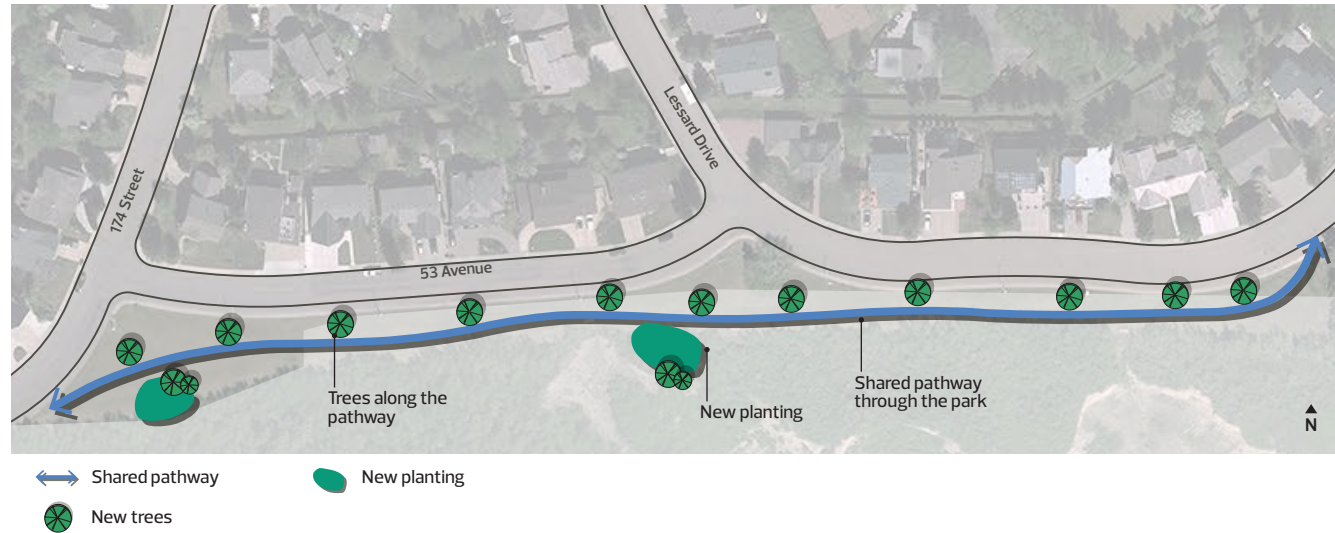
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## Top-of-bank park

### Pathway option 2: Shared pathway through the park

#### Potential improvement locations



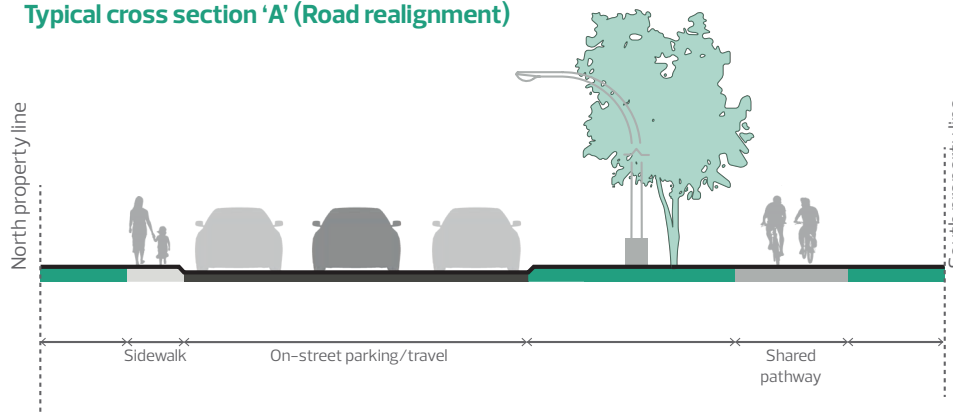
#### Shared pathway through a park



#### What we are proposing

- + Adding a shared pathway through the park to accommodate people walking, rolling, and biking
- + Adding new trees along a shared pathway
- + Adding new trees and restoration planting to the top-of-bank park
- + Maintaining existing travel and parking lanes

#### Typical cross section 'A' (Road realignment)



#### Key map



## Top-of-bank park

### Potential new amenities

#### New benches



#### Lighting



Source: GSA

#### Waste bins



Source: GSA

#### Plaza space



Source: Nathan Pachal

#### Edible landscape



Source: Perennia.ca

#### Restoration planting



Source: City of Edmonton

#### Trees



Source: GSA

#### Bike racks



Source: Bike Edmonton

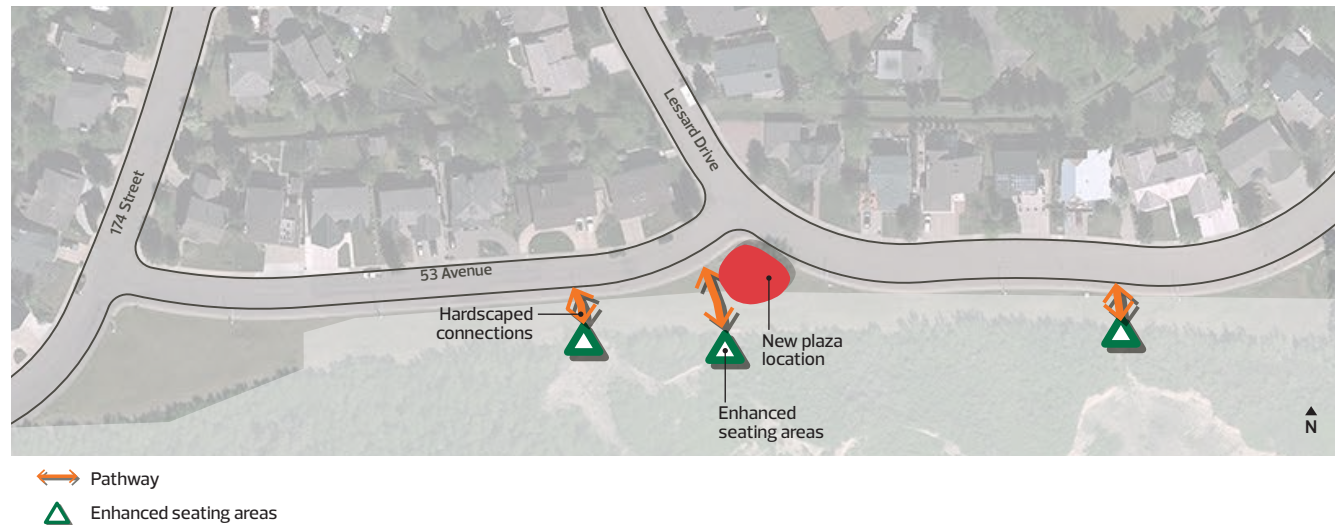
#### Key map



## Viewpoint improvements and potential plaza location

### Enhanced seating with accessible pathway connections to 53 Avenue and Lessard Drive

#### Potential improvement locations



#### What we are proposing

- + Adding a new plaza within the park and including areas for seating and amenities to support community gathering, such as picnic tables and bike racks
- + Adding new accessible pathway connections to each viewpoint
- + Enhancing existing seating areas with new benches and naturalized planting
- + Adding new waste bins

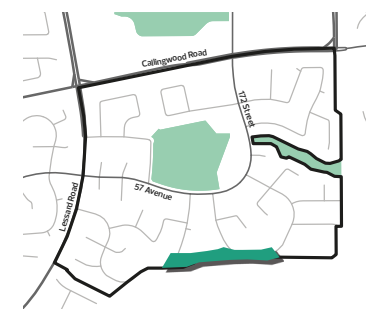
#### Example of new benches



#### Restoration planting



#### Key map



## Placemaking

# Placemaking opportunities



 Gariepy neighbourhood boundary

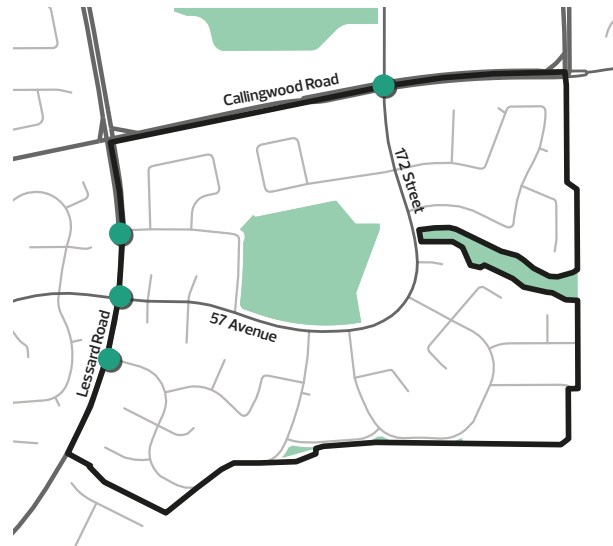
 Entrance feature

 Corner store area

## Entrance areas

Located at the intersections of 55 Avenue and Lessard Road, 57 Avenue and Lessard Road, 59 Avenue and Lessard Road, and 172 Street and Callingwood Road

### Potential improvement locations



### Sample of potential improvements

#### Planting



#### Curb extension

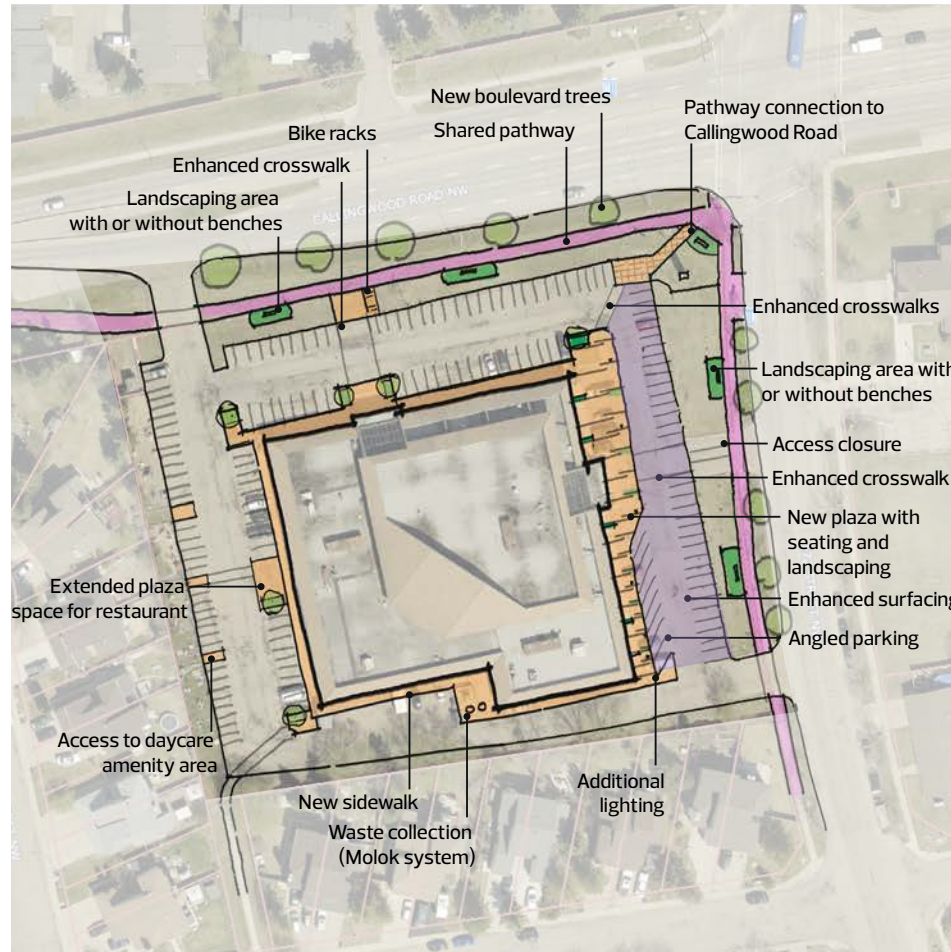


#### What we are proposing

- + Improving intersections with measures to slow traffic and enhance crossings
- + Adding new naturalized planting material

## Cornerstore area

### Potential improvement locations



### What we are proposing

- + Adding a boulevard with new trees along Callingwood Road
- + Creating pathway connections to the proposed shared pathway along Callingwood Road
- + New bike racks along Callingwood Road
- + Enhancing crosswalks from the public sidewalk to the building entrances
- + Landscaping areas with and without benches
- + Including additional lighting around the building
- + Adding new plaza space with seating and landscaping
- + Adjusting existing parking stalls, including new angled parking
- + Closing one access point on the east side
- + Adding enhanced surfacing on the southeast parking lot that could be used for events
- + Including a Molok waste collection system to replace existing dumpsters
- + Maintaining sidewalk width next to the building and constructing the missing sidewalk connection along the south side of the building
- + Maintaining existing trees along 172 Street

**Molok waste bin**



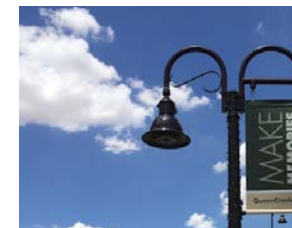
**Landscaping with benches**



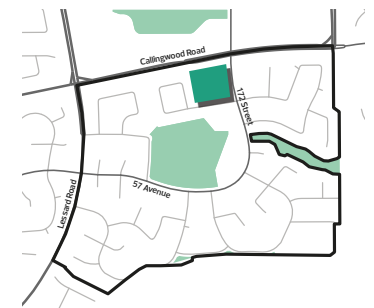
**Enhanced crossing**



**Additional lighting**



**Key map**



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