

# Neighbourhood Design



# Street Light Design

Upgrades to the street light system will include:

- New 24 foot galvanized poles
- New underground wiring
- New foundation
- Energy efficient LED lights



In neighbourhoods with mature trees, we reduce the height of the poles by 4 feet to reduce obstruction from the tree canopy. This allows the street lights to better light the roads and sidewalks.

In areas where the City is adding new bike routes, additional lighting will be added to the shared-use paths.

This either could mean:

- Brighter luminaires on the new galvanized lights or
- Additional poles similar to the ones on 104 Street.



*\*Subject to final approvals*

# New Bike Routes and Infrastructure

Central McDougall has existing bike routes along 104 Street (north to south) and 105 Avenue (east to west).

As part of public engagement, we heard support to:

- Improve connection from Central McDougall to Queen Mary Park (west)
- Link to Grant MacEwan University
- Improve safety along highly-used 108 Avenue

A shared-use path (SUP), is a 3-metre pathway that is separate from traffic and provides a space shared by pedestrians and bicycles. It will be widened from the existing walk towards properties.

The operation of the road will remain as two-way traffic with on-street parking.

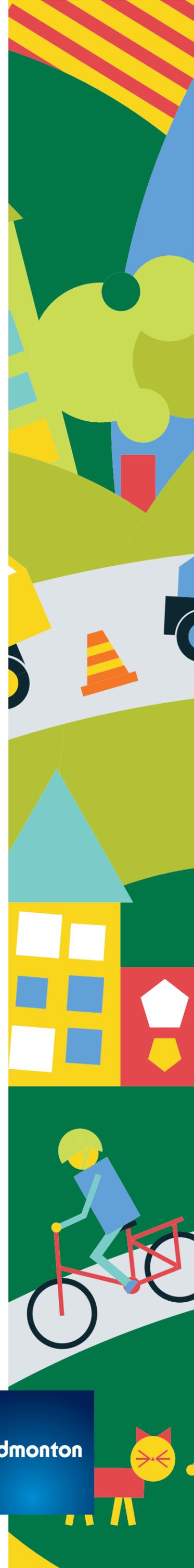
Clearing of snow on the shared-use path will become the responsibility of the City of Edmonton.



## Map of Current and Future Bike Routes



\*Subject to final approvals



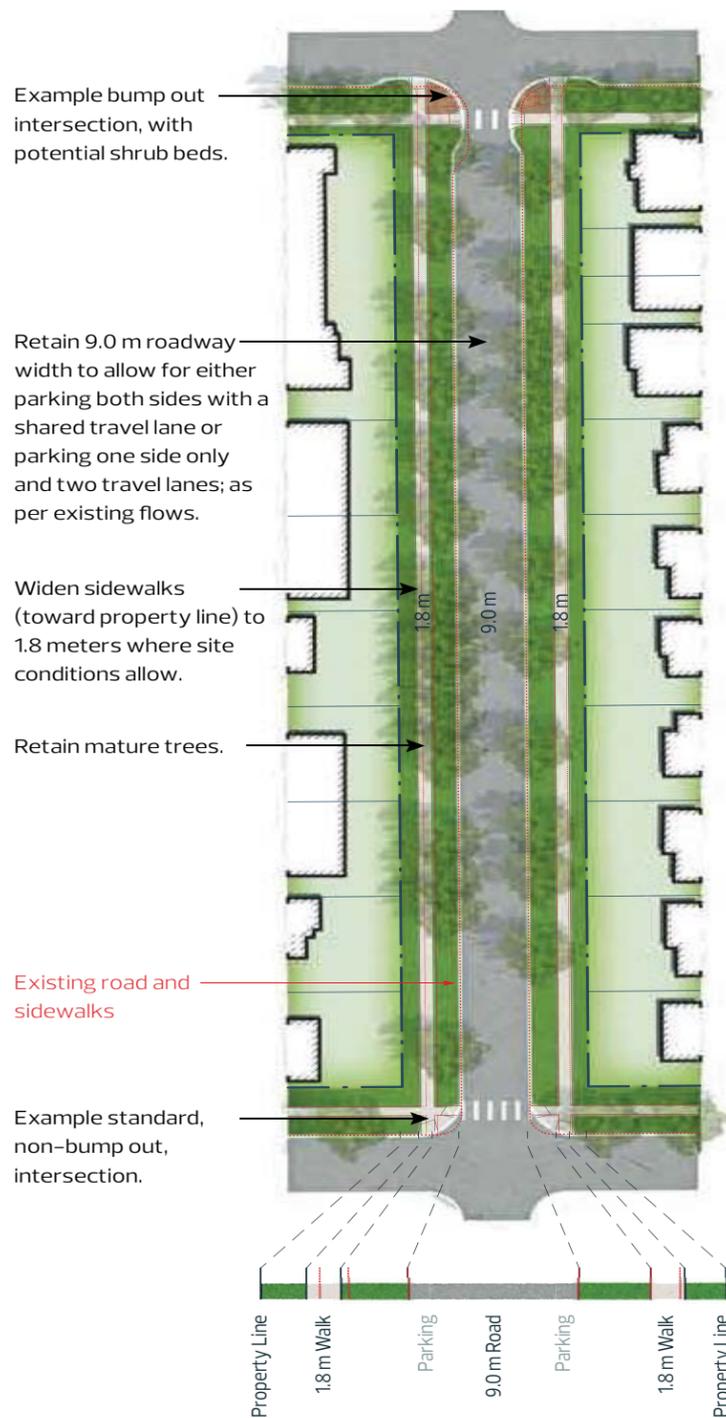
# Residential Street Renewal



1.8m walk      On-street parking      Two-way traffic      On-street parking      1.8m walk

Renewal along Residential Streets will include:

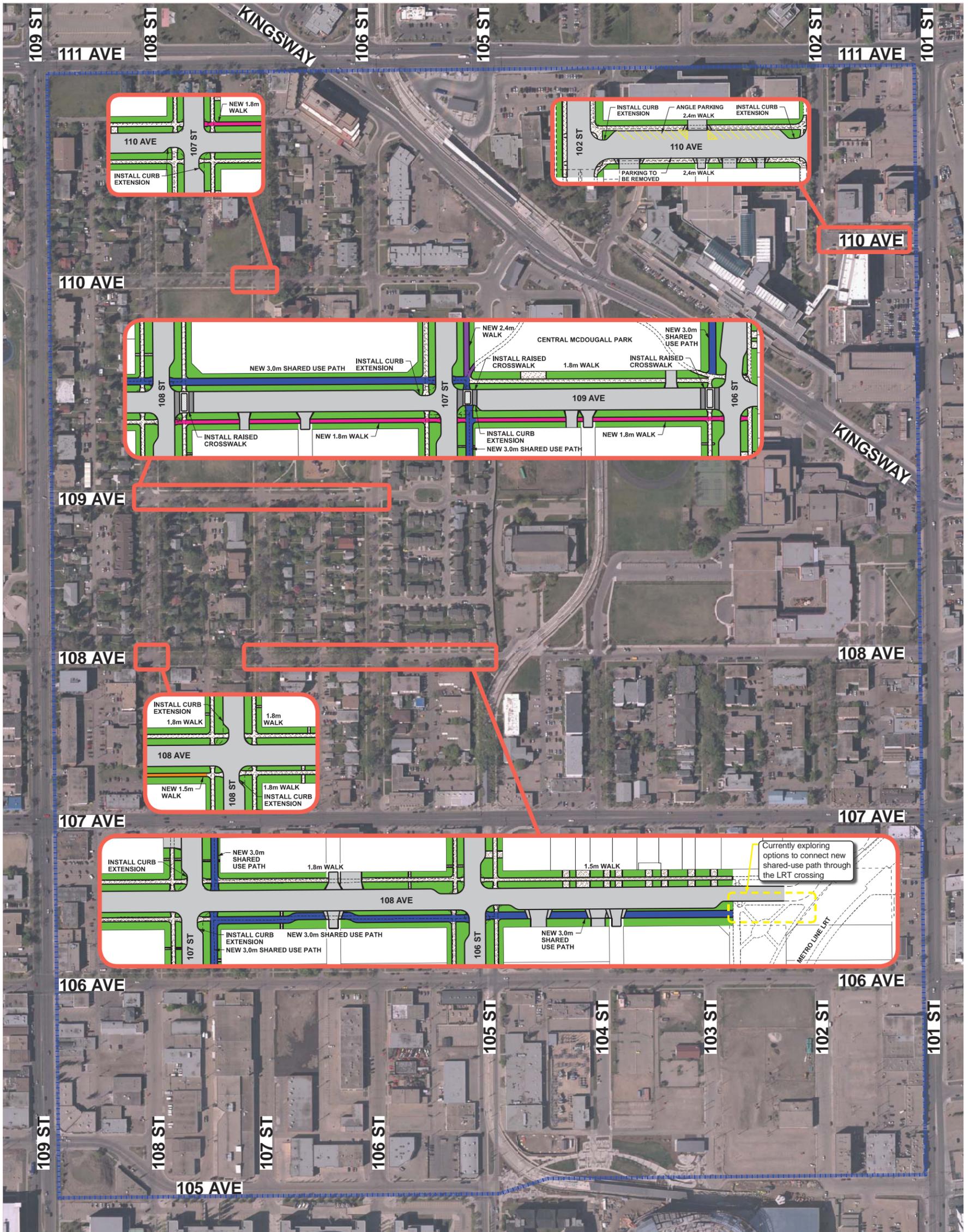
- Curb Extensions at some intersections (Please see “Traffic Calming in Central McDougall” display board for specific locations)
- Wider sidewalks, where existing infrastructure, street grade, and mature trees make it possible
- Parking on both sides of the street



\*Subject to final approvals

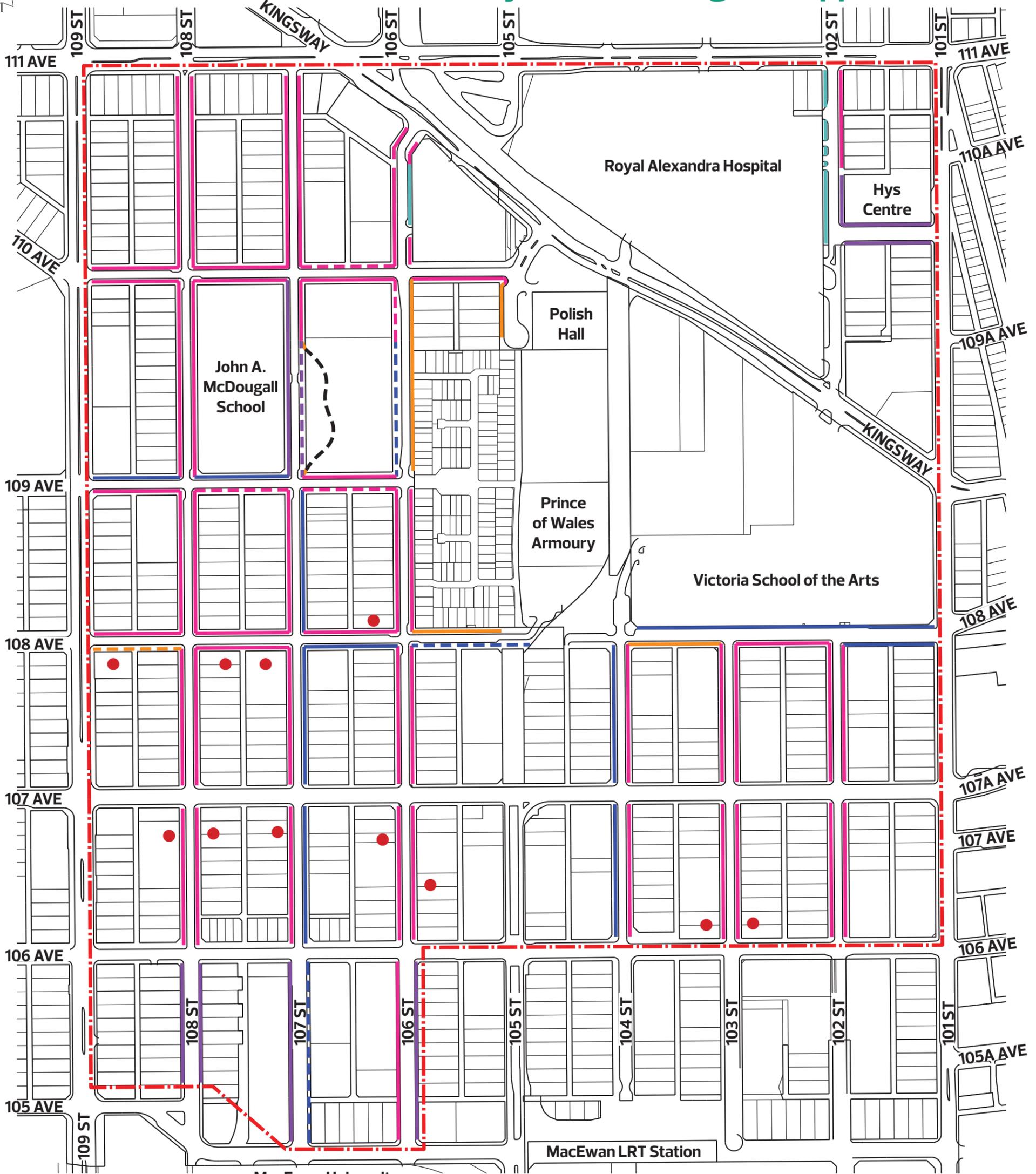


# Central McDougall Residential Street Modifications



# Central McDougall

## Sidewalk Location Plan - Subject to Funding and Approval



### LEGEND

- |                    |                                    |                               |                           |
|--------------------|------------------------------------|-------------------------------|---------------------------|
| Proposed 1.5m Walk | Proposed 2.4m Walk                 | New 1.8m Walk                 | Project Limit             |
| Proposed 1.8m Walk | Proposed 3.0m Shared-use Path/Walk | New 2.4m Walk                 | Potential Walk Constraint |
| Proposed 2.0m Walk | New 1.5m Walk                      | New 3.0m Shared-use Path/Walk |                           |

# Traffic Calming in Central McDougall

The City uses traffic calming measures, such as raised crosswalks and curb extensions, to:

- Reduce motor vehicle speeds on residential roadways
- Shorten pedestrian crossing distances

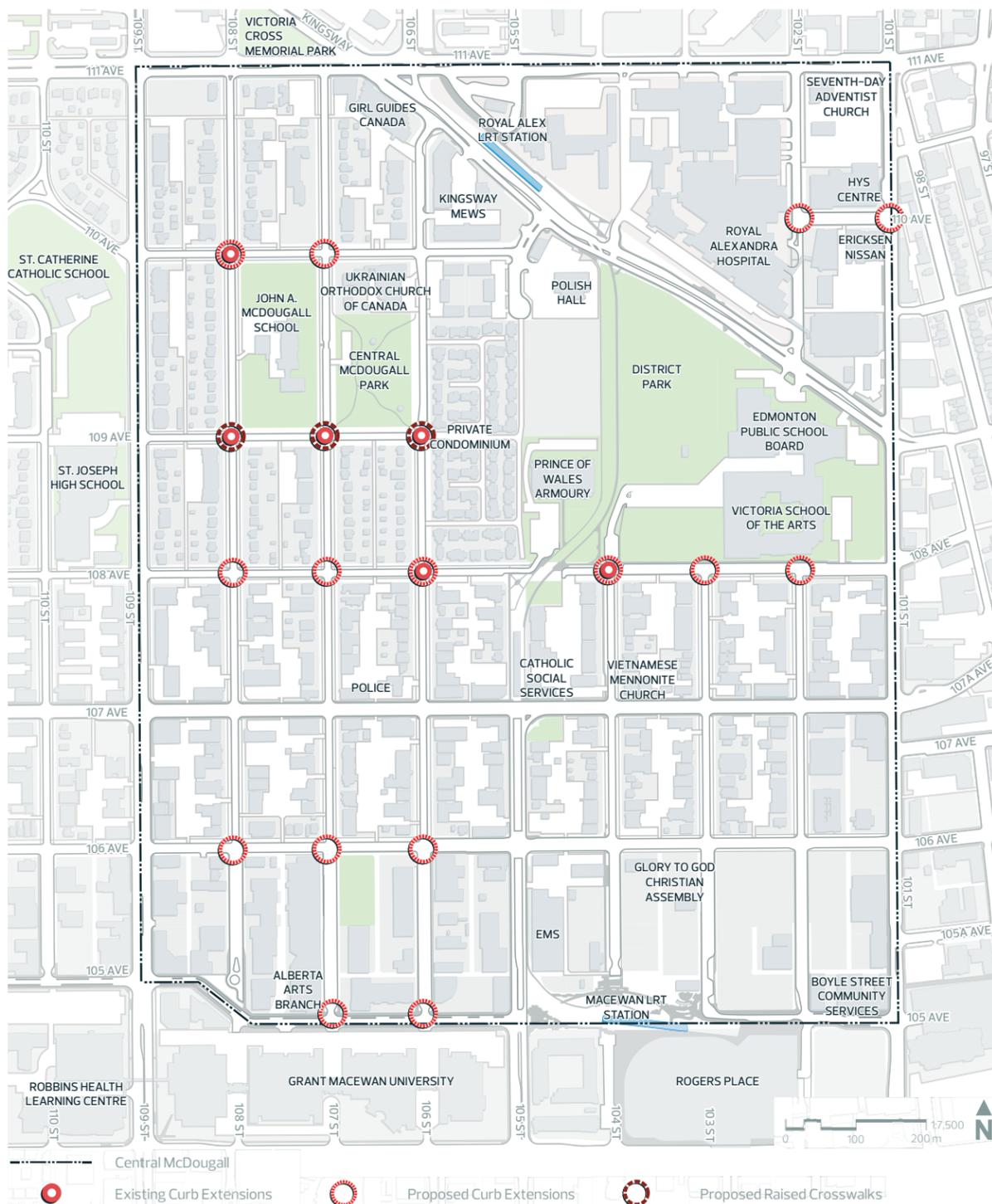


A raised crosswalk is a marked pedestrian crosswalk which is constructed higher than the roadway surface. This is intended to slow traffic and increase pedestrian safety.

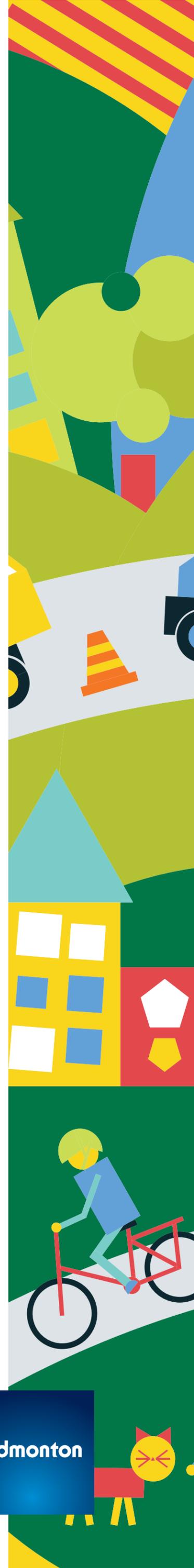
A curb extension extends the sidewalk into the parking lane to narrow the roadway and provide additional pedestrian space at key locations either at the intersection or mid-block.



Curb extensions enhance pedestrian safety by increasing pedestrian visibility, shortening crossing distances, slowing turning vehicles, and narrowing the roadway.

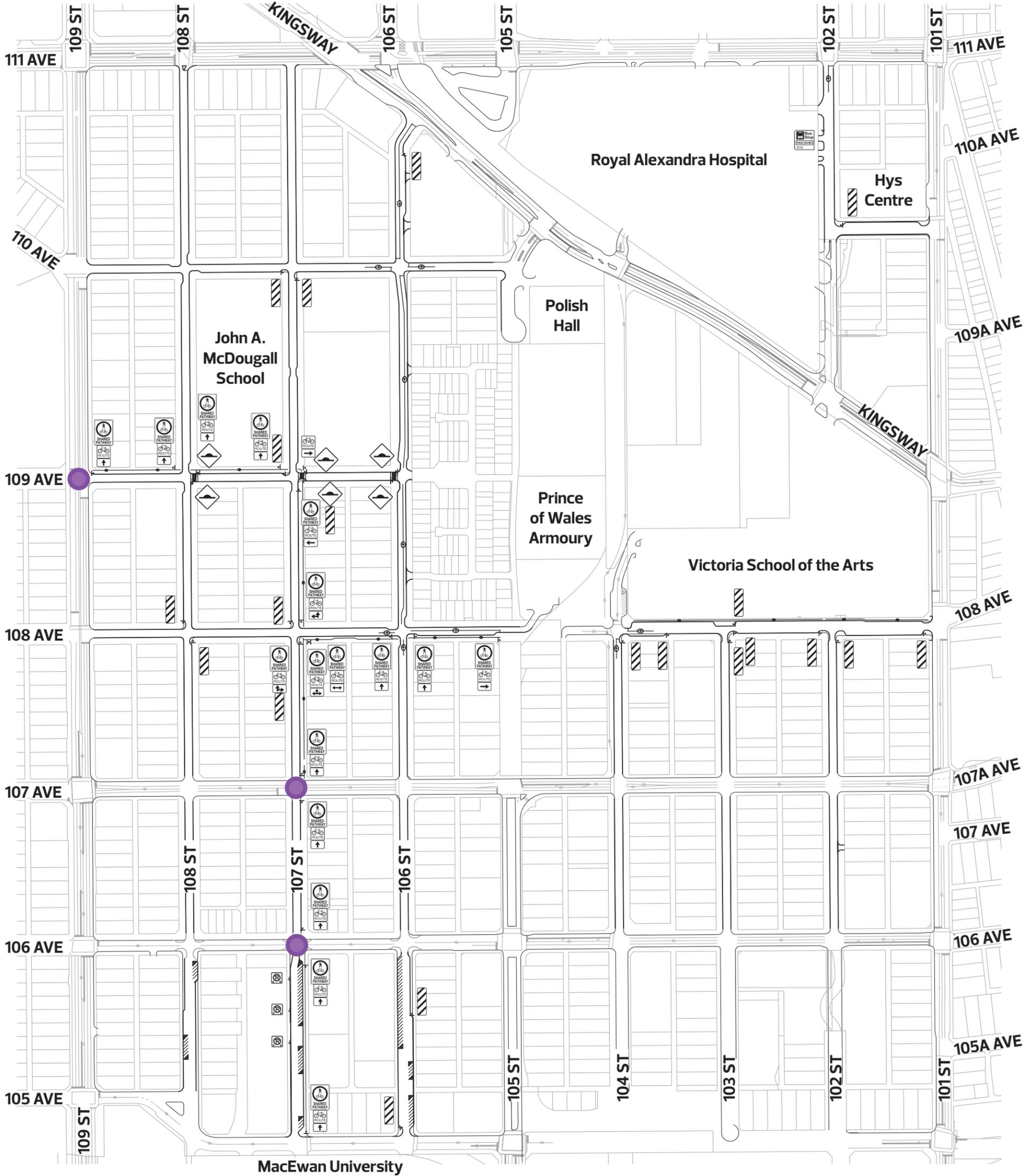


\*Subject to final approvals



# Central McDougall

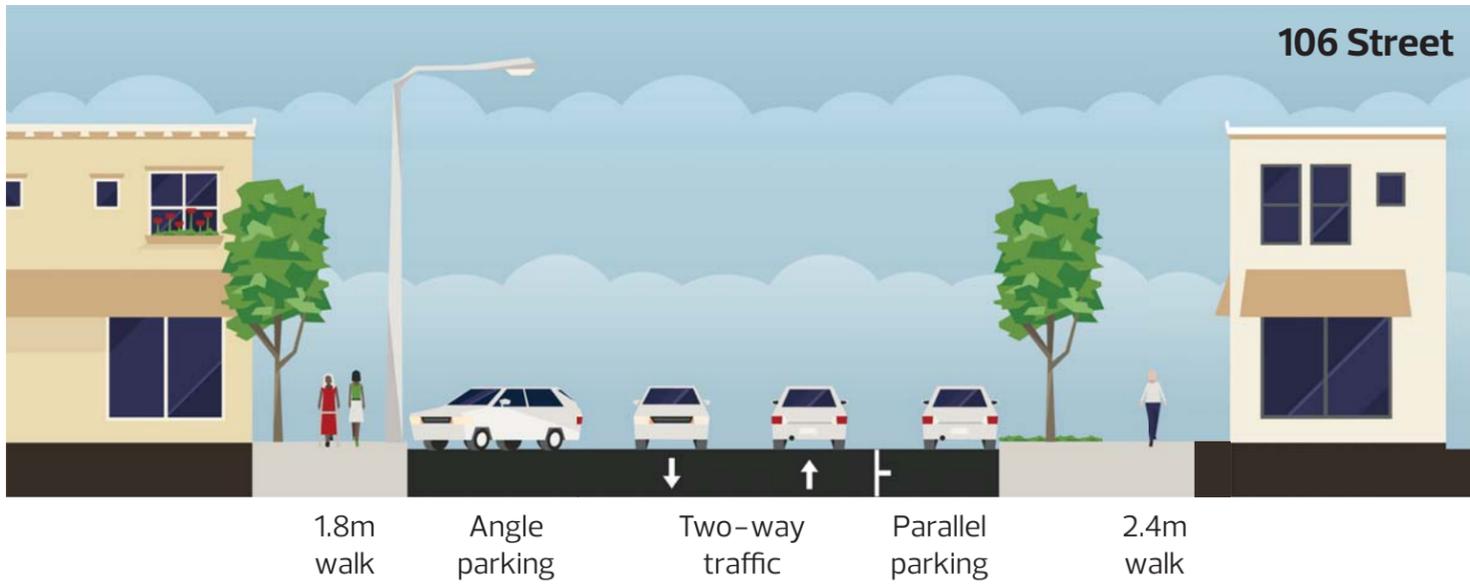
## Signal Upgrades and New Signage



### LEGEND

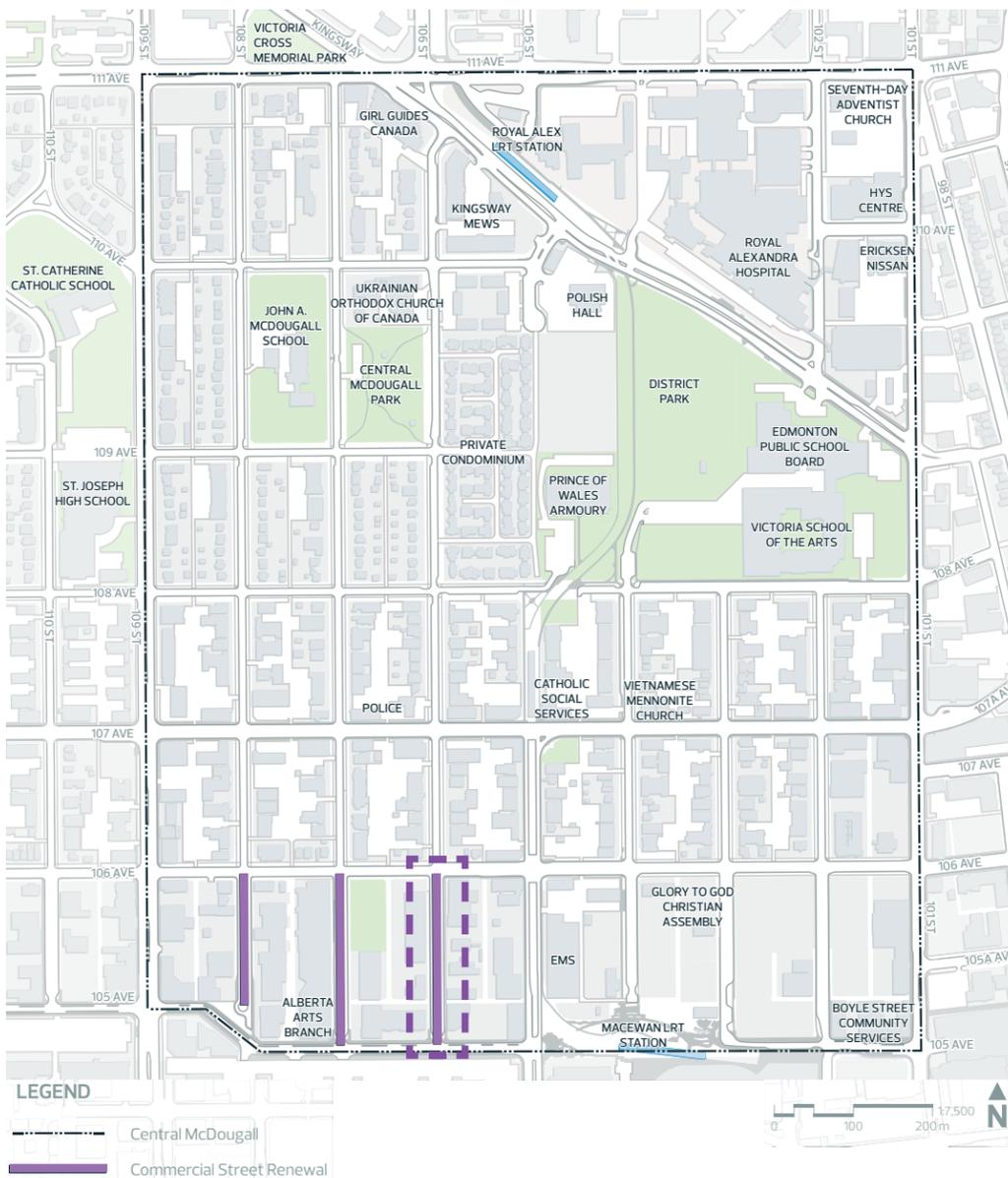
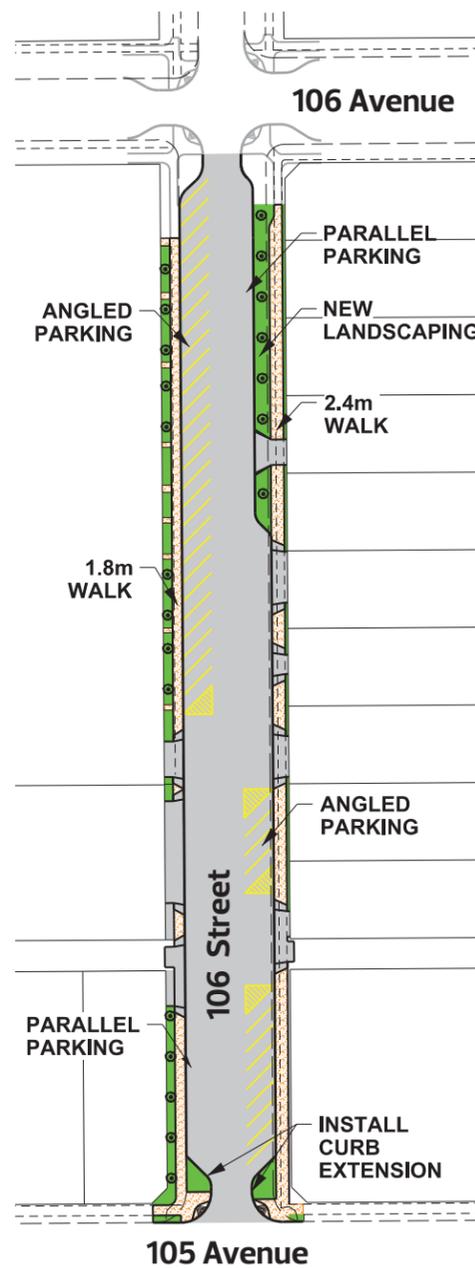
 Signal upgrade

# Commercial Street Renewal



Renewal along 106 Street will include:

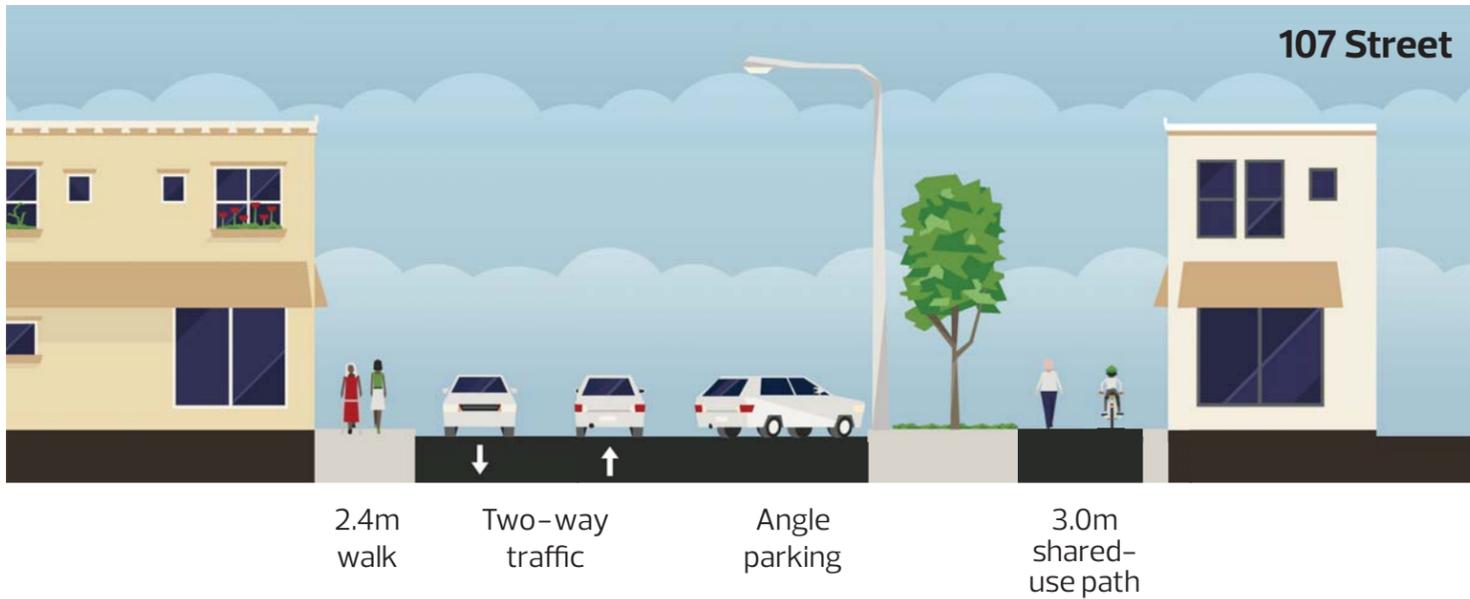
- Curb Extensions at both 106 Avenue and 105 Avenue intersections
- Angled and parallel parking on both sides of the street. There is a planned reduction of 8 parking spaces along 106 Street to accommodate wider sidewalks and tree planting
- New, wider sidewalks on both sides of the street
- Tree planting behind sidewalk on the west side of the street and in a new boulevard on the east side of the street



\*Subject to final approvals

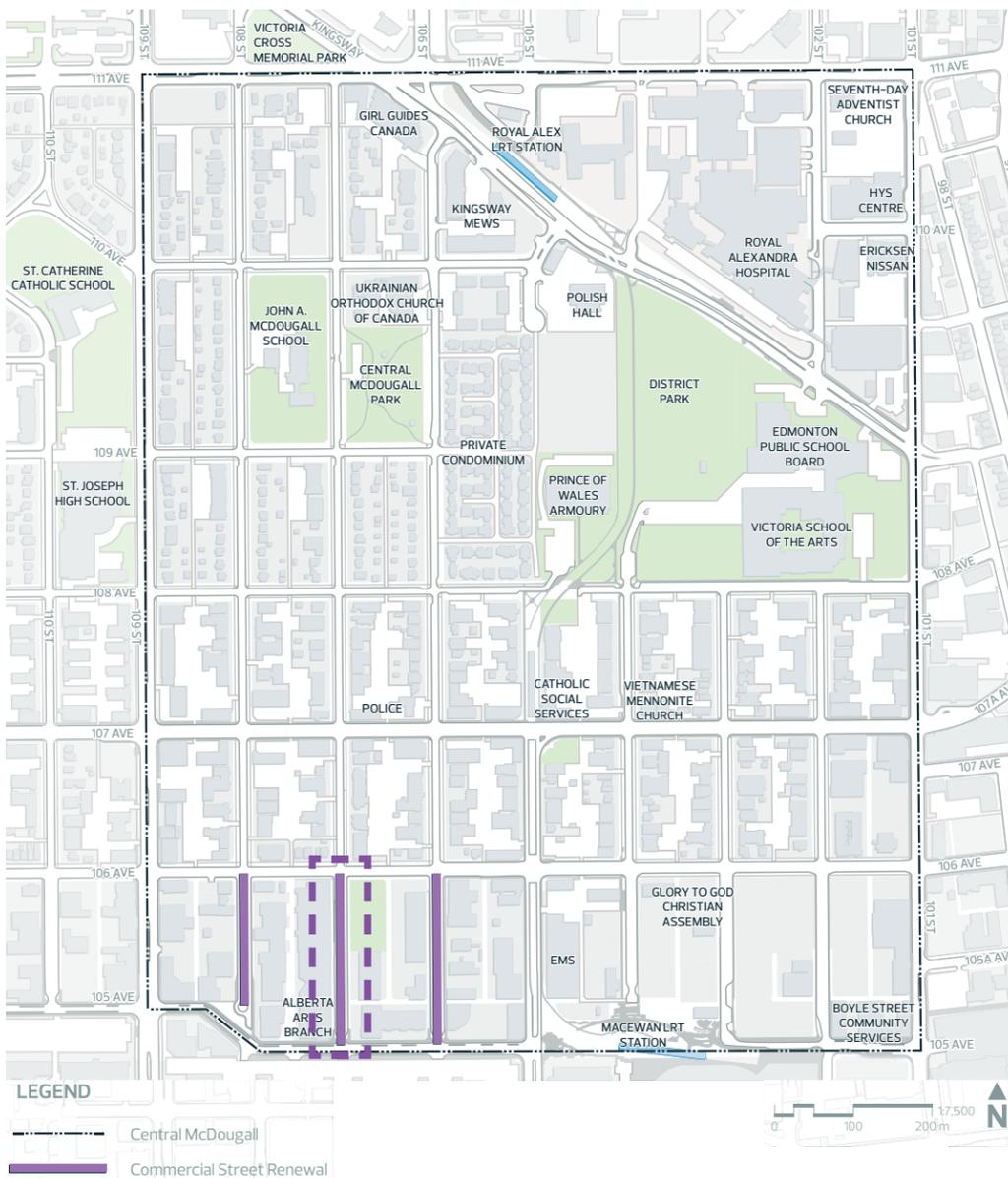
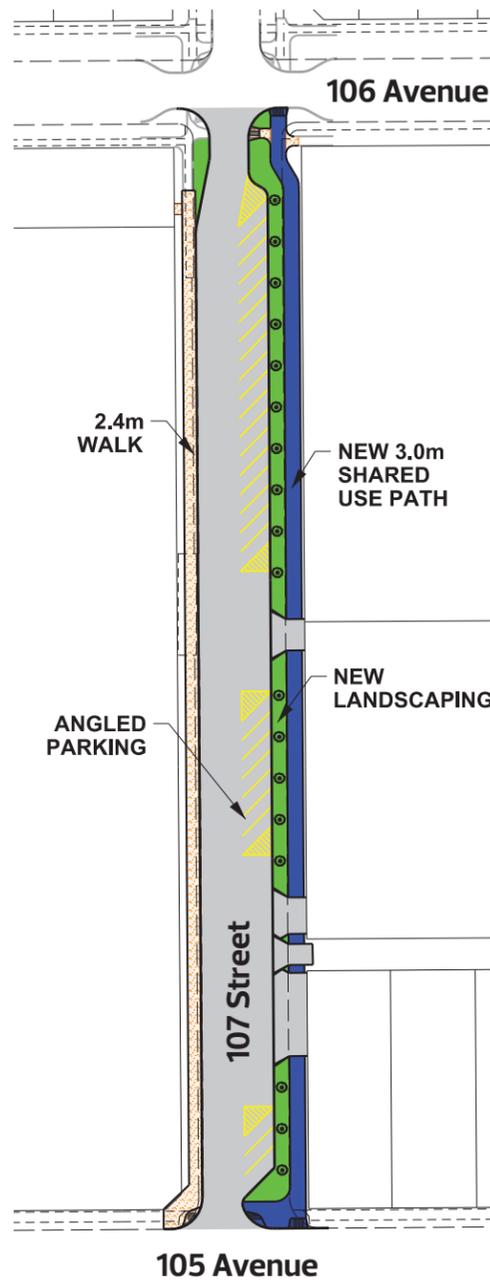


# Commercial Street Renewal

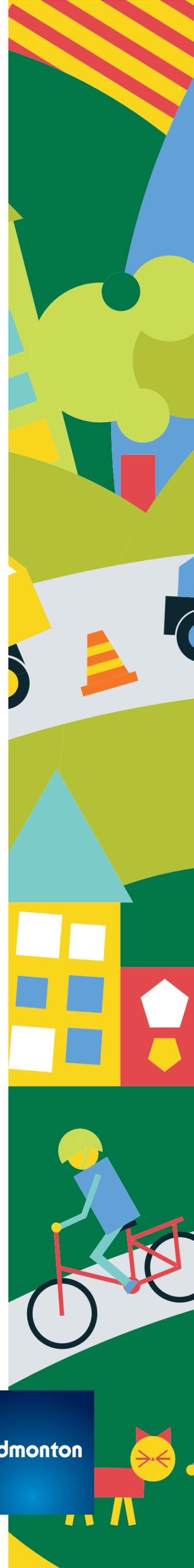


Renewal along 107 Street will include:

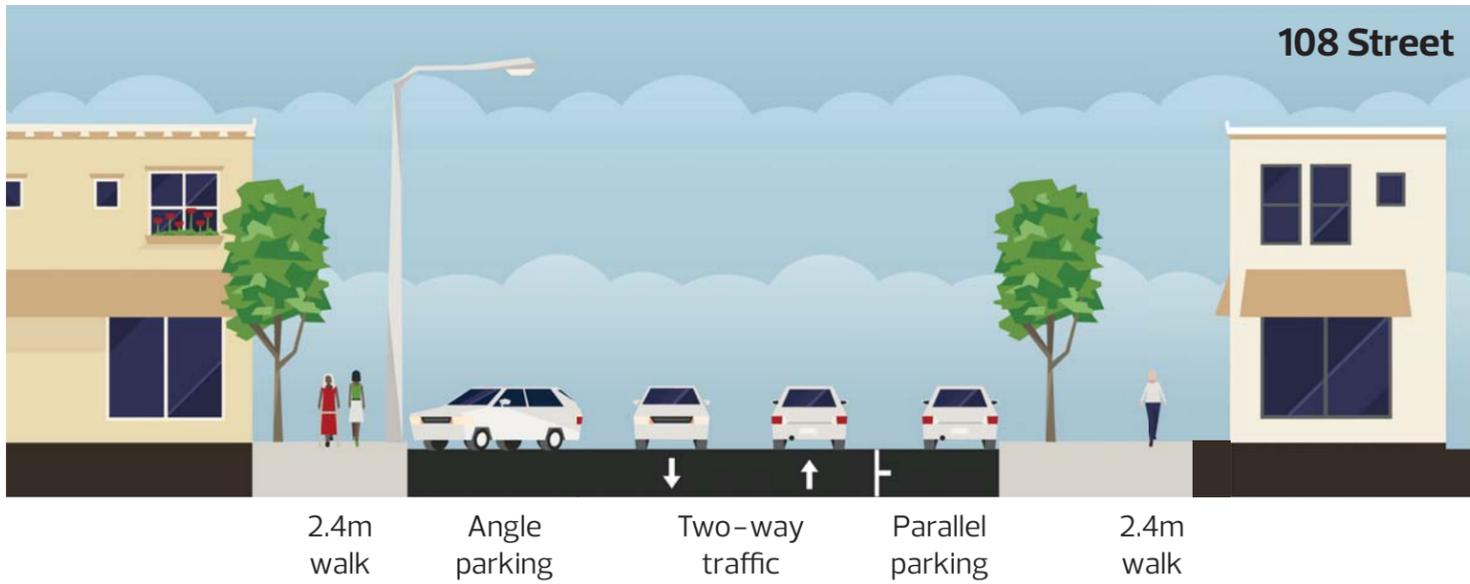
- Curb Extensions at both 106 Avenue and 105 Avenue intersections
- Retain the existing parking configuration which includes angle parking on the east side of the street
- A 2.4m monowalk on the west side of the street
- A 3.0m City-funded and maintained shared-use path on the east side of the street as part of the north to south bike route
- Tree planting within the new boulevard space between parking and the shared-use path



\*Subject to final approvals

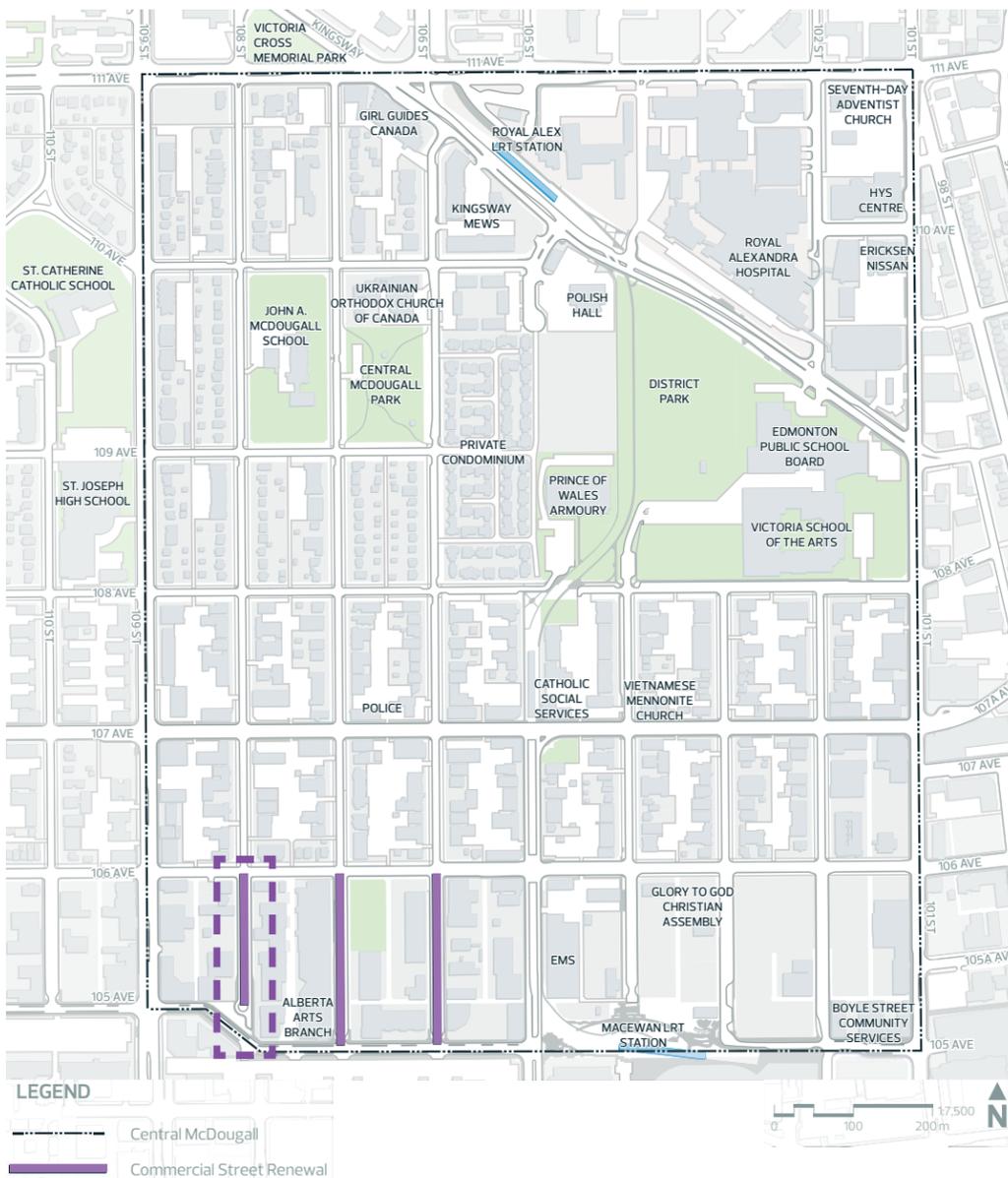
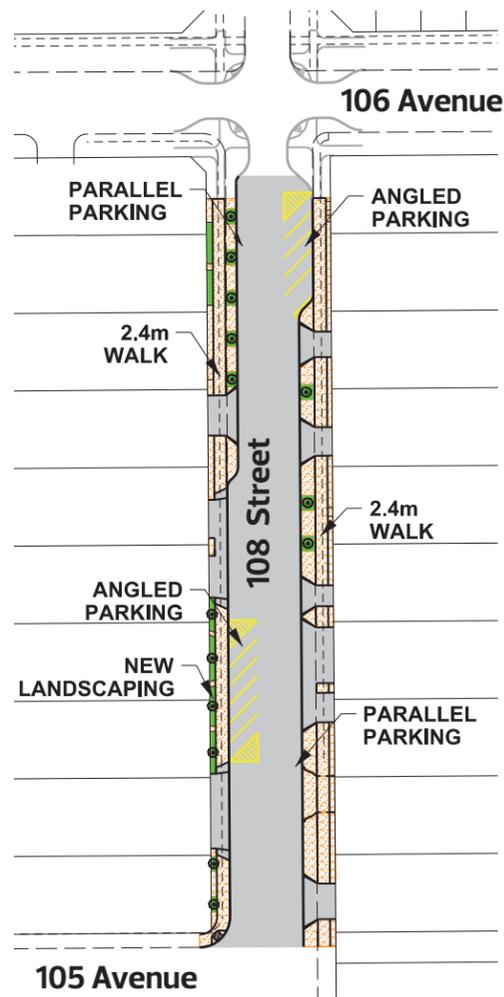


# Commercial Street Renewal



Renewal along 108 Street will include:

- Curb Extensions at both 106 Avenue and 105 Avenue intersections
- Angled and parallel parking along both sides of the street. There is a planned reduction of approximately 13 parking spaces along 106 Street to accommodate wider sidewalks and tree planting
- New, wider sidewalks on both sides of the street
- Tree planting along the street

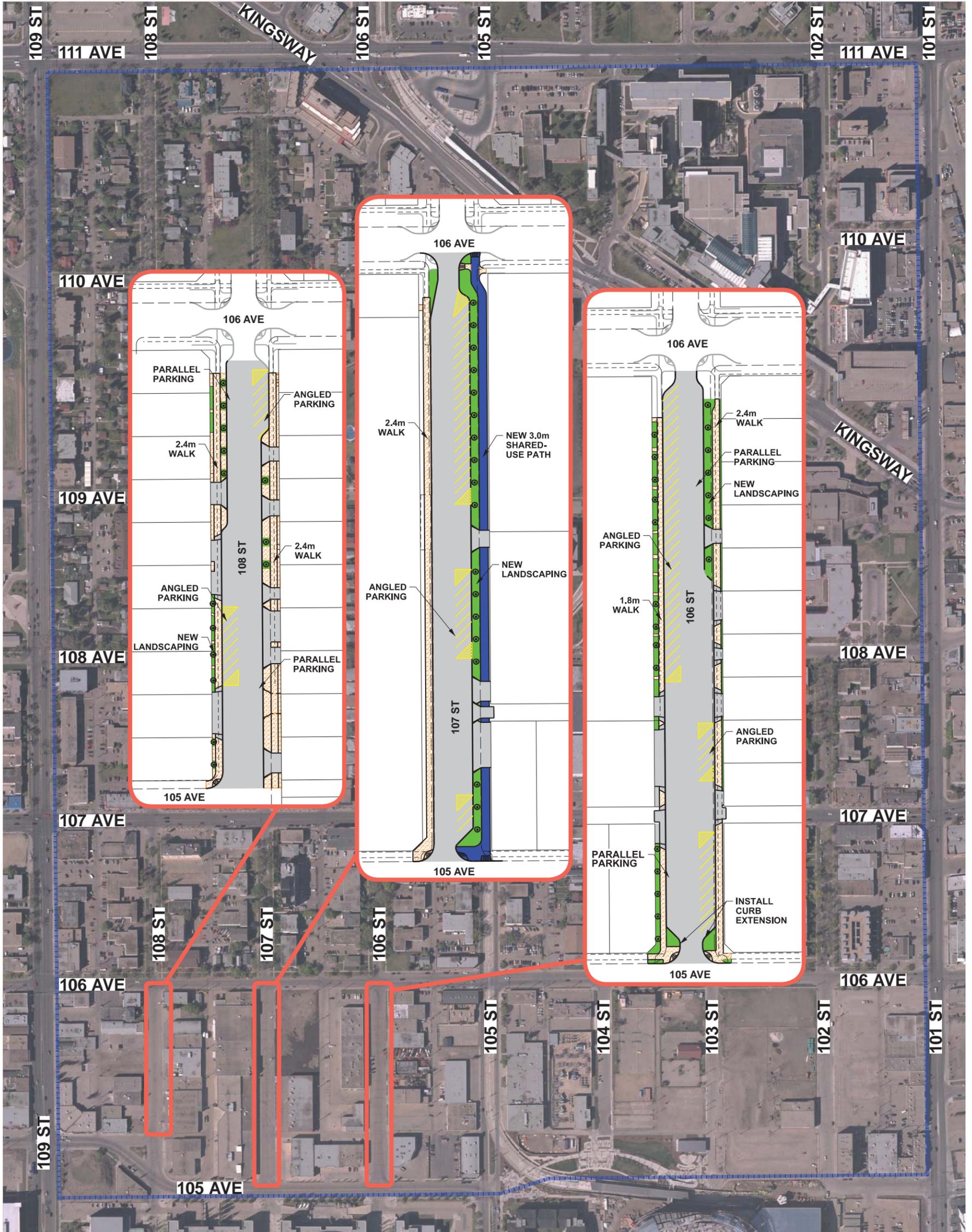


Tree planting

\*Subject to final approvals



# Central McDougall Commercial Street Modifications





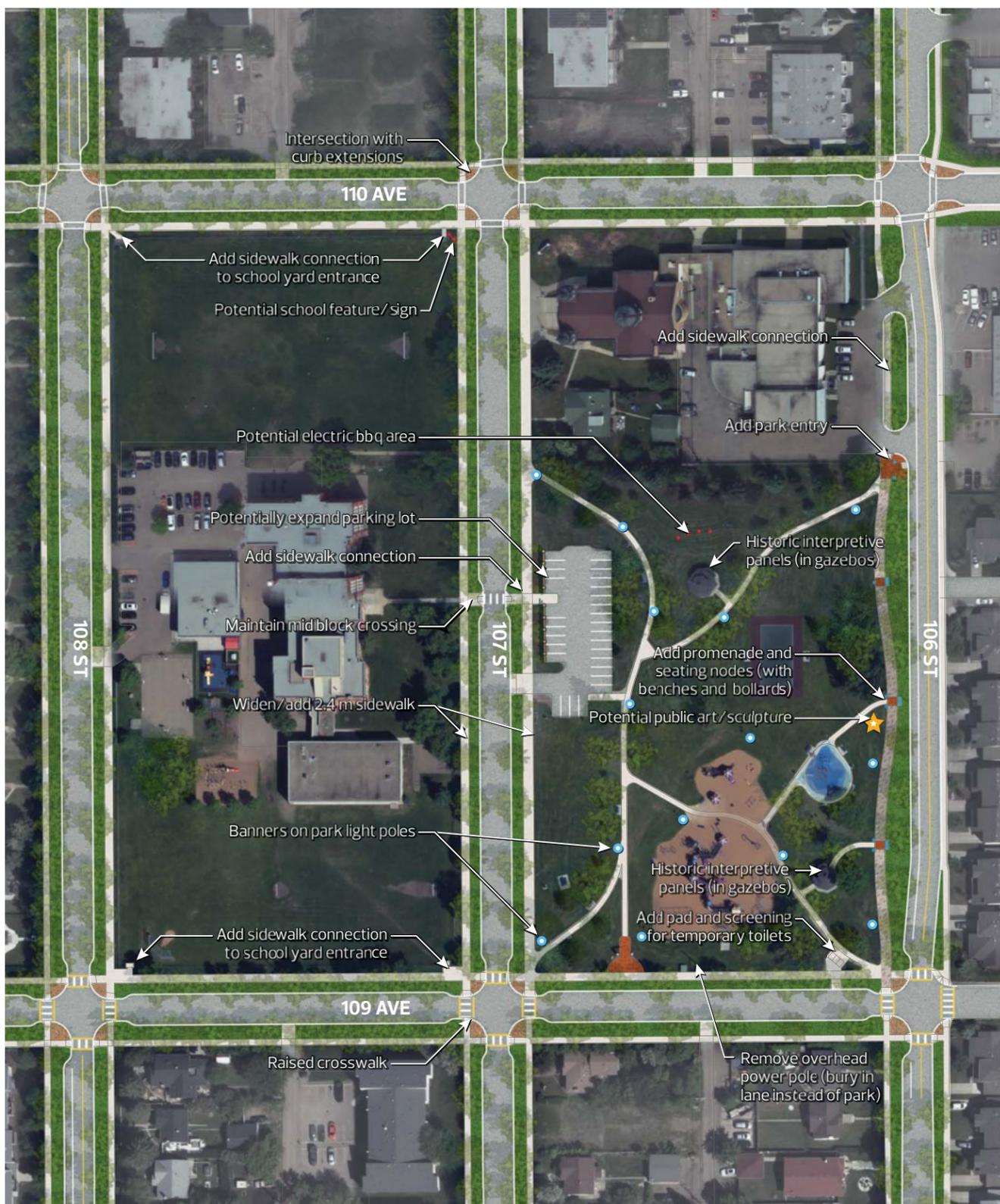
# John A. McDougall School/Central McDougall Park

The most important elements that we heard from previous engagement focus on improving walkability, connectivity, and accessibility.

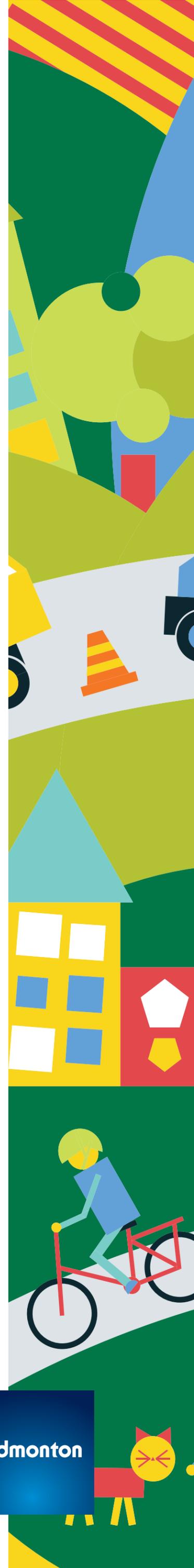
The elements that will be added at the same time as neighbourhood renewal are:

- A 2.4m sidewalk on the west side of the park and in front of the school
- A 3.0m promenade walkway on the east side of the park
- Additional benches

The City is currently replacing sidewalks in the neighbourhood and making the sidewalks wider now is cost efficient.



\*Subject to final approvals



# Community Garden

As part of early public engagement, Central McDougall's community garden was identified as a nurturing, family-friendly, and highly supported gathering place in the neighbourhood.

People were looking for ways to gain even more from this space and, as part of the concept presented in September, were most interested in:

- Adding fruit bearing trees to the garden
- Providing a shade feature that also supports sustainable gardening by collecting water for irrigation
- Celebrating the identity of the garden and helping other people be part of the experience by adding an entry sign, including contact information

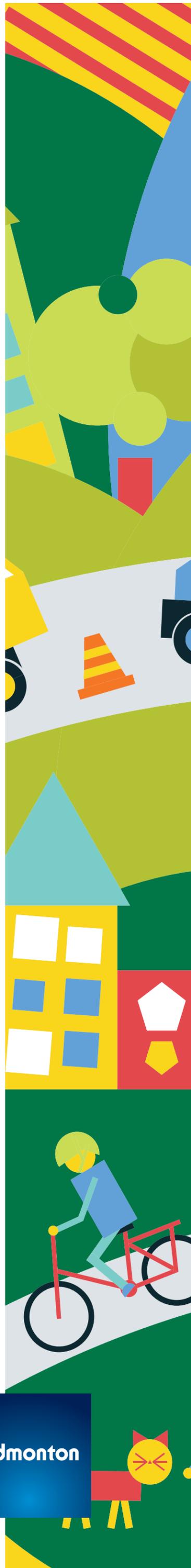


Improvements to the space will not be a part of the neighbourhood renewal work in 2019/2020.

Funding and improvements to the space can be explored in the future as a community partnership.

If there is interest from the community to pursue improvements on the space, connect with your Neighbourhood Resource Coordinator by calling 311 and/or connect with your local Community League.

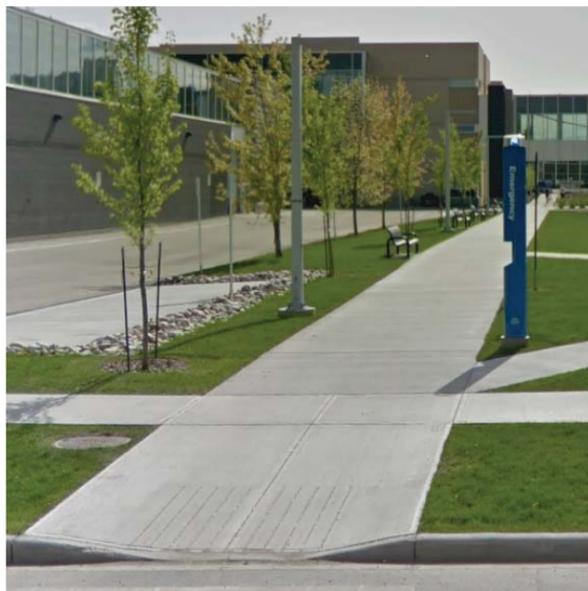
Community/Partnership funding can be leveraged with potential grants for improvements to the space in the future.



# Victoria School of the Arts

The area near Victoria School of the Arts is a busy place for people who walk, bike, and drive.

As part of public engagement, there was high interest in making this a safer area for pedestrians, better supporting connectivity and the flow of people walking through the areas, supporting mobility for vulnerable populations in the neighbourhood, and supporting buses and parents to drop-off and pick-up students.



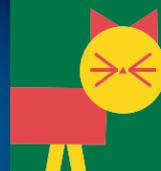
Wider Concrete Sidewalk

The elements that will be added at the same time as neighbourhood renewal are:

- Wider concrete sidewalks
- Curb extensions at the intersections located along 108 Avenue at 101, 102, 103, and 104 Street
- A defined areas for buses and cars to stop to drop-off and pick-up students in the school zone

Making improvements to the road and sidewalks with the renewal program is cost efficient.

*\*Subject to final approvals*



# North Edge Park

As part of early public engagement, North Edge Park was identified a City-owned park that would benefit from additional amenities to further encourage people to gather there and enjoy it.

In particular, North Edge Park was identified as a location that would benefit from exercise equipment to support active living, and also as a place that could also enhance its natural assets.

In September 2018, people identified the top four elements to upgrade as:

- Adult outdoor exercise equipment
- A tree canopy to provide shade in the park
- Central plaza with shade feature
- Benches that offer solar-powered wifi and phone charging stations



Improvements to the space will not be a part of the neighbourhood renewal work in 2019/2020.

Funding and improvements to the space can be explored in the future as a community partnership.

If there is interest from the community to pursue improvements on the space, connect with your Neighbourhood Resource Coordinator by calling 311 and/or connect with your local Community League.

Community/Partnership funding can be leveraged with potential grants for improvements to the space in the future.

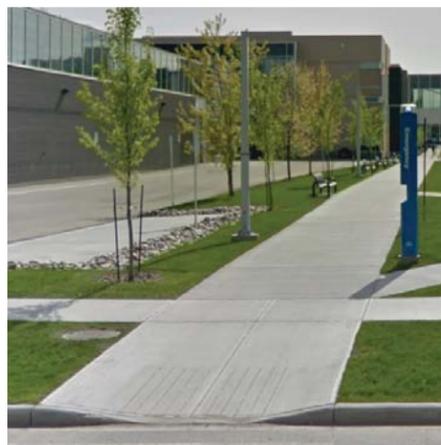
Edmonton



# Royal Alexandra Hospital

As part of Central McDougall's neighbourhood renewal, the City-owned area around the Royal Alexandra Hospital was considered for improvements.

Through public engagement, people stressed the importance of putting pedestrian safety first, including supporting mobility, accessibility, and people with visual impairments. The concept for the Royal Alexandra Hospital focused on improving walkability, safety, visual appeal, and access to public transit stops.



Wider Concrete Sidewalk

The elements that will be added at the same time as neighbourhood renewal are:

- Wider concrete sidewalks
- Curb extensions at intersections
- Curb ramps with a tactile walking surface indicator

Making improvements to the road and sidewalks with the renewal program is cost efficient.

## Note:

**The Royal Alexandra Hospital is currently conducting a traffic study. The final design for the site may be altered to align with the results of this study.**

*\*Subject to final approvals*

Edmonton



# LRT Crossing

As part of early public engagement, people identified pedestrian safety, neighbourhood walkability and connectivity, and neighbourhood cleanliness as areas for improvement.

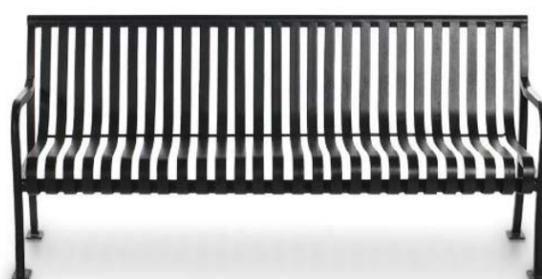
The 108 Avenue LRT crossing is a central location that plays an important role in pedestrian safety, neighbourhood walkability and connectivity, and neighbourhood cleanliness.

The area currently has benches, waste receptacles, and landscaping, and public input told us that they all need more attention. On September 15, 2018 we showed improvements to all three and the feedback was:

- All beautification is appreciated
- Trees and landscaping is appreciated as long as it doesn't introduce hiding places
- Repaired and replacement benches will be appreciated, and there is a need for them in other areas of the neighbourhood as well
- The waste bins are important to supporting neighbourhood cleanliness

The elements that we are looking to add with neighbourhood renewal are:

- A bench
- Garbage receptacle
- Currently exploring options to connect the shared-use path through the LRT crossing which may temporarily disrupt the space during construction



*\*Subject to final approvals*

