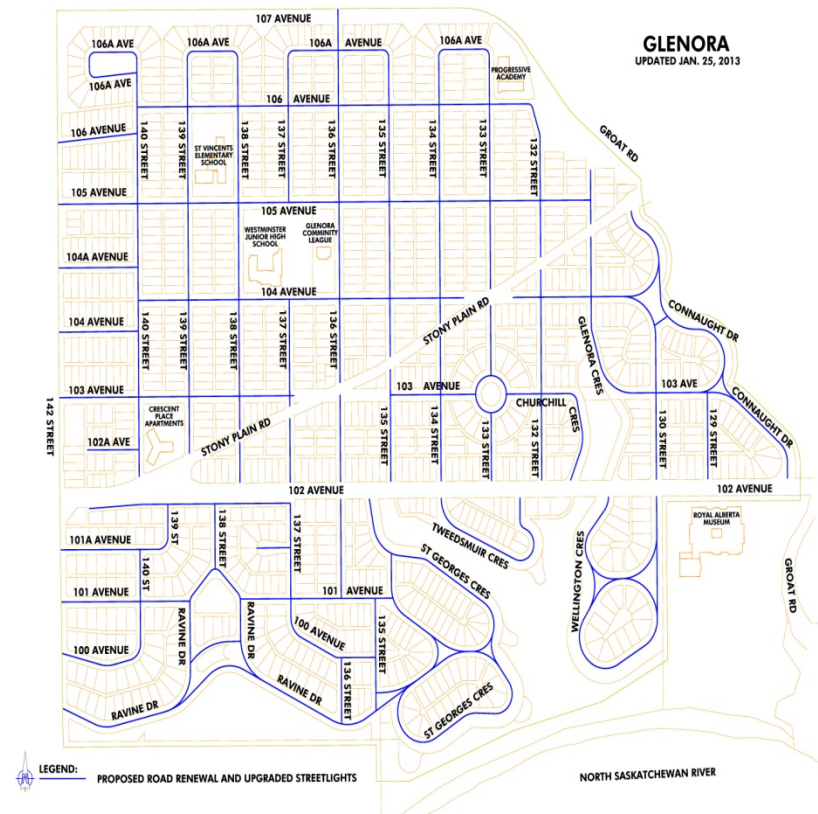


GLENORA NEIGHBOURHOOD RENEWAL PROGRAM

Condition & Reconstruction Scope

- Age: +50 years (majority 1949-62)
- Pavement: poor condition
- Sidewalk: fair condition
- Curb: very poor condition
- Surface works - \$36 million (conceptual)
- Cost includes the replacement of pavement/sidewalks/curb and gutter, and upgrading streetlights in the entire neighbourhood
- does NOT include alleys or arterial roadways (Stony Plain Road, 102 Ave, 107 Ave or 142 St)

Glenora Neighbourhood Renewal



Design Considerations

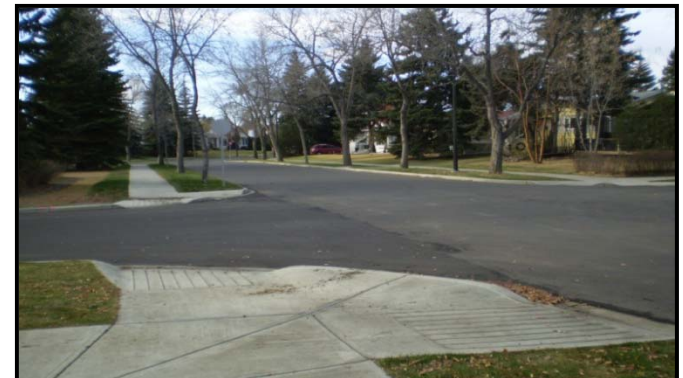
Active Modes

- Addressing accessibility issues by providing new sidewalk/trail connections



Intersections

- Adding curb ramps, improving curb radius, and improving the overall operation



Design Considerations

Road Width

- Where possible, roads are sized to current standards
Collector = 11.5 m
Local = 9 m



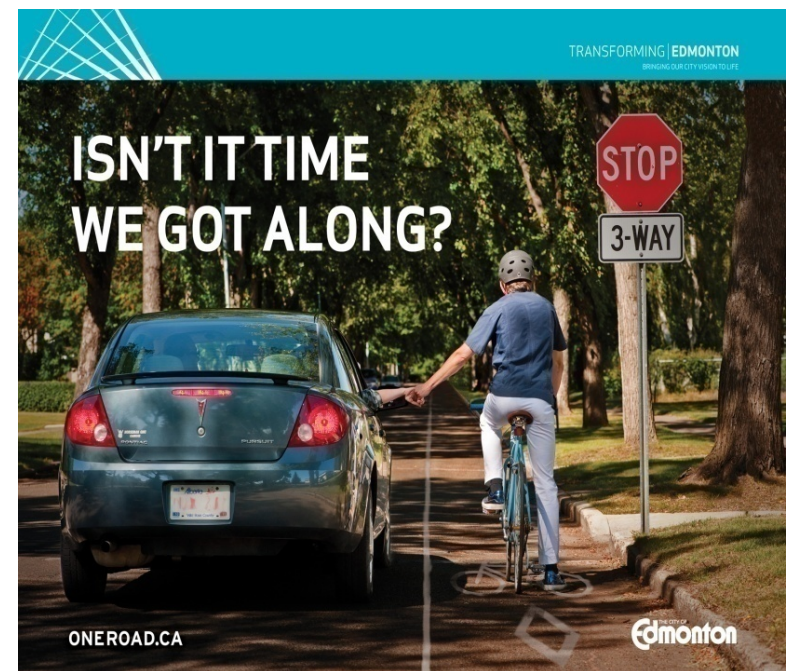
Curb Type

- Roll face curb
- Straight face curb

Active Transportation

Improve infrastructure

- **Sidewalks:** In residential neighbourhoods, ensure accessibility to all bus stops and provide a sidewalk on at least one side of the street.
- **Bicycle routes:** Use the Bicycle Transportation Plan to implement bike lanes, shared-use lanes and shared-use pathways.



To North Glenora



To McKinnon Ravine

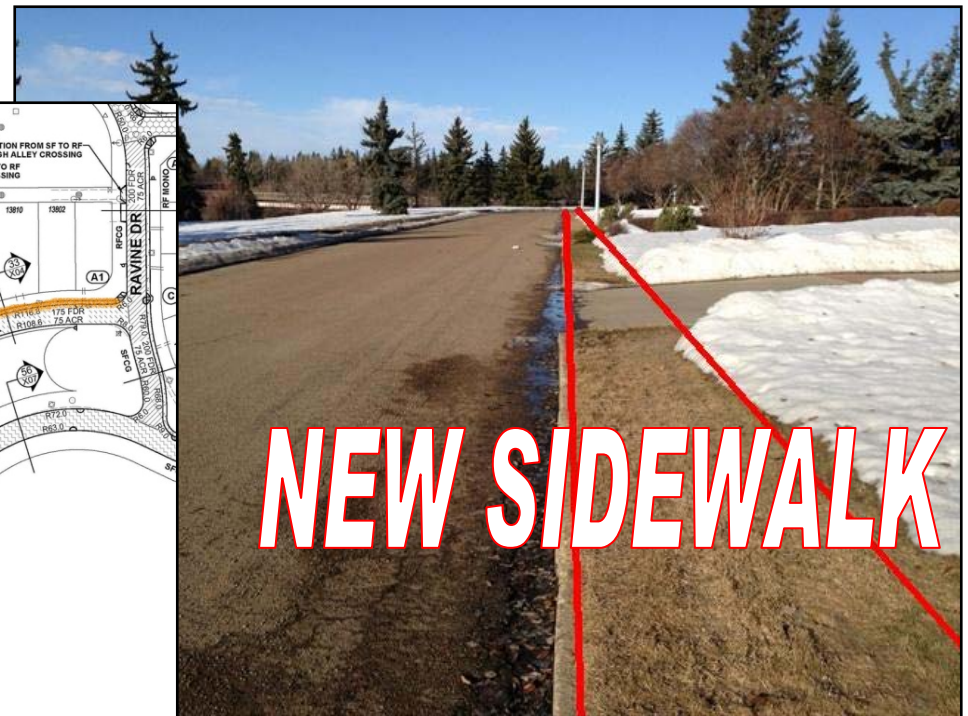
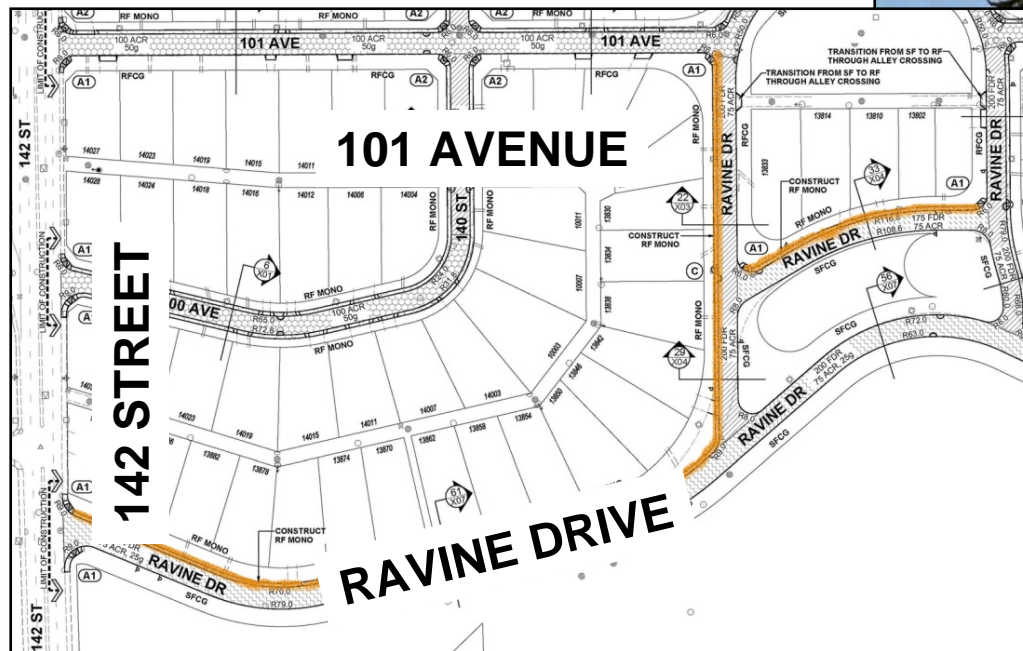
Active Transportation

- Bicycle Transportation Plan
 - Bike Route
 - 136 Street (107 Ave to 101 Ave)
 - 101 Ave (west to Ravine Drive)
 - Ravine Drive to 142 Street



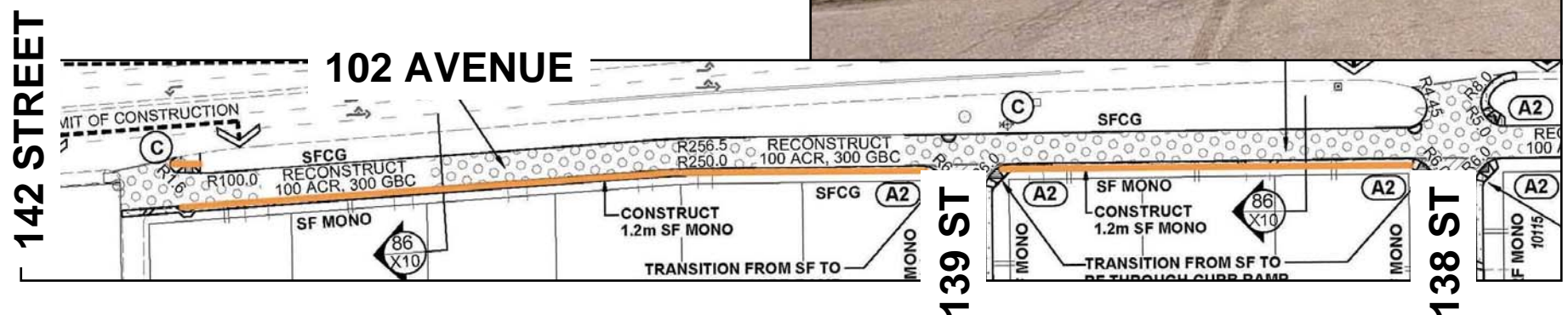
Active Transportation

New Sidewalk: Ravine Drive (142 St to east of 138 St)



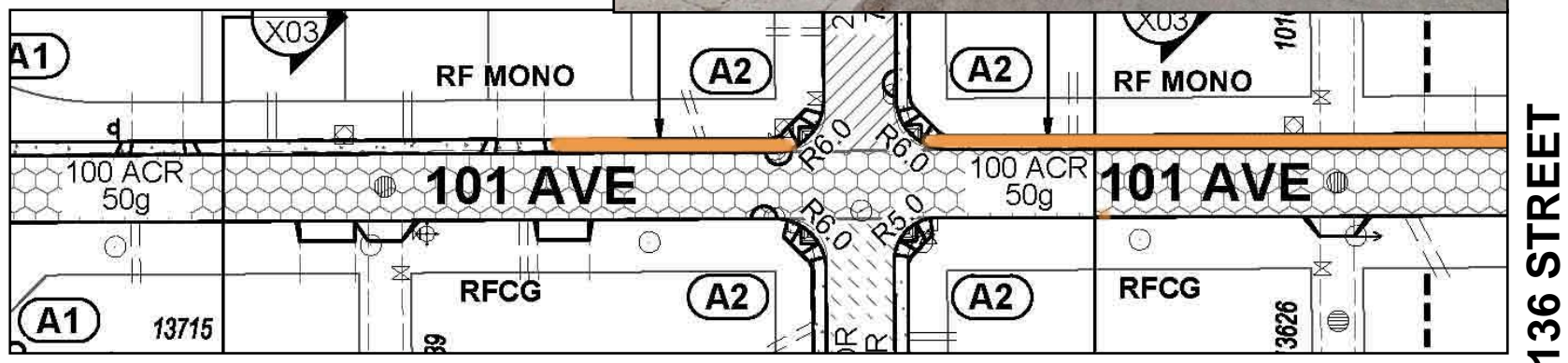
Active Transportation

- New sidewalk:
 - 102 Avenue service road (142 Street to 138 Street)



Active Transportation

- New sidewalk:
 - 101 Avenue
(west of 137 Street to
136 Street)



(136 Street to west of 137 Street)

Active Transportation

- New sidewalk:
 - West side of 136 Street (101 Ave to 102 Ave)



Active Transportation

- New sidewalk:
 - 135 Street (101 Ave to Ravine Drive)



Active Transportation

- New sidewalk:
 - East of 135 Street on St. Georges Crescent



Active Transportation

- New sidewalk:
 - East of Alexander Circle on 103 Avenue



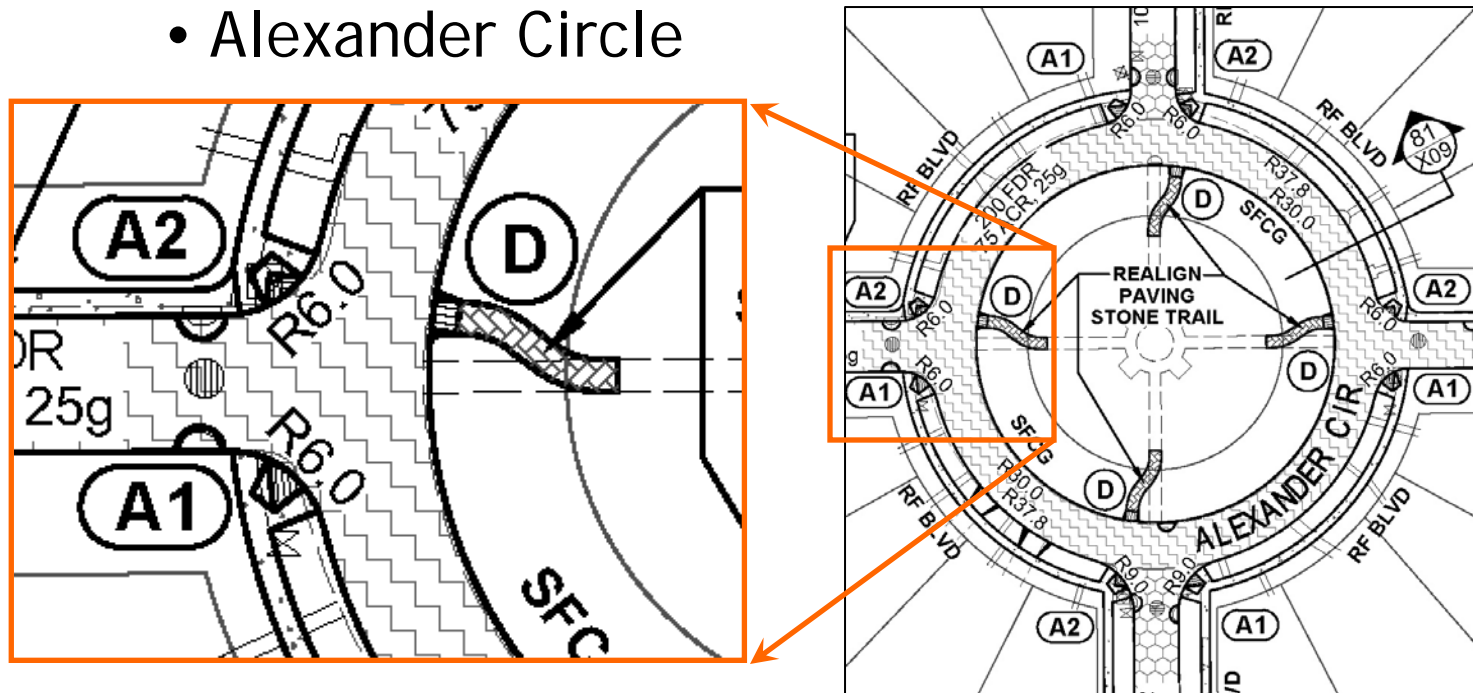
Active Transportation

- Sidewalk Realignment:
 - West of Alexander Circle on 103 Avenue



Active Transportation

- Sidewalk Realignment:
 - Alexander Circle



Active Transportation

- New sidewalk:
 - 132 Street (North of 105 Ave)
 - Existing dead-end sidewalk



Active Transportation

- New sidewalk:
 - 139 Street (west side of St. Vincent School)



Active Transportation

- New sidewalk:
 - 105 Ave (133 Street to 131 Street)



Active Transportation

- New sidewalk:
 - 105 Avenue & 131 Street



Active Transportation

- Shared-Use-Path extension:
 - Churchill Crescent & 103 Avenue



Active Transportation

- New sidewalk:
 - South side of 104 Avenue in front of Westminster School



Active Transportation

- Sidewalk Realignment:
 - 130 Street south of 104 Avenue



Active Transportation

- Sidewalk Re-Alignment:
 - 130 Street & 104 Avenue



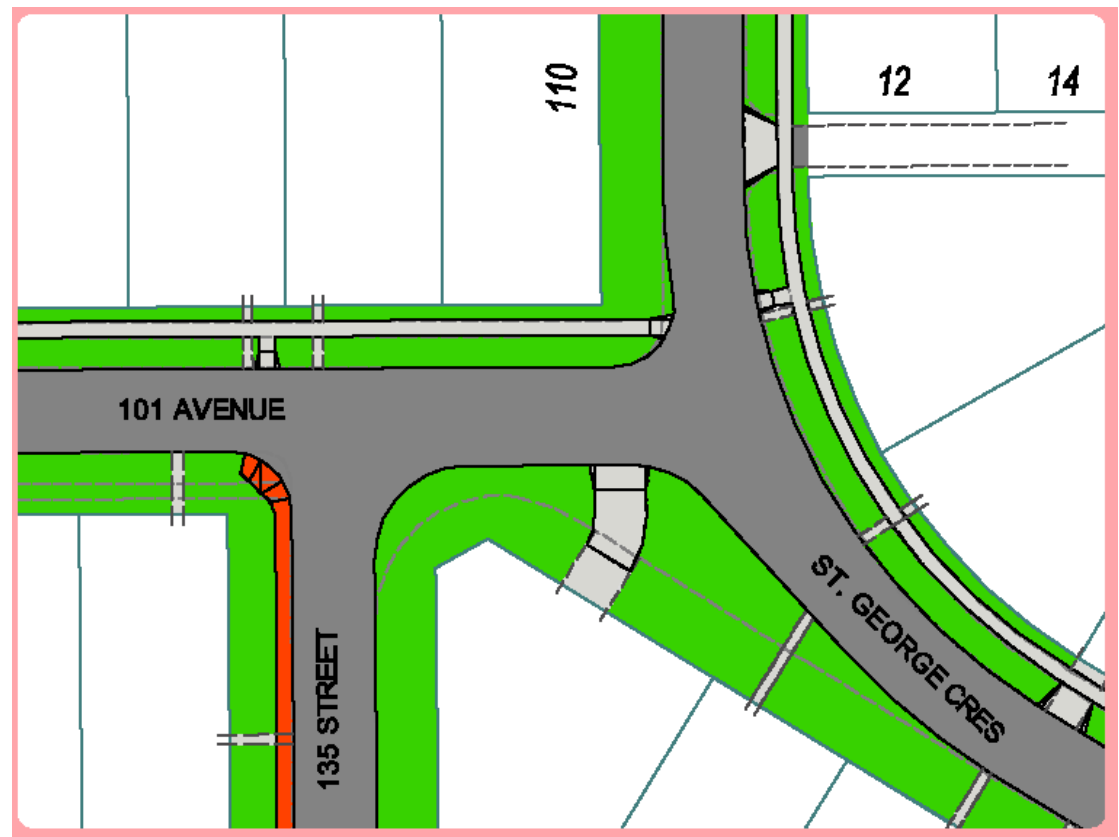
Active Transportation

- Sidewalk Realignment:
 - 101 Avenue & 135 Street



Intersection Improvements

- 101 Avenue & St. Georges Crescent
 - T-intersection
 - Improves vehicle sightlines from all directions of the intersection
 - Improves operations



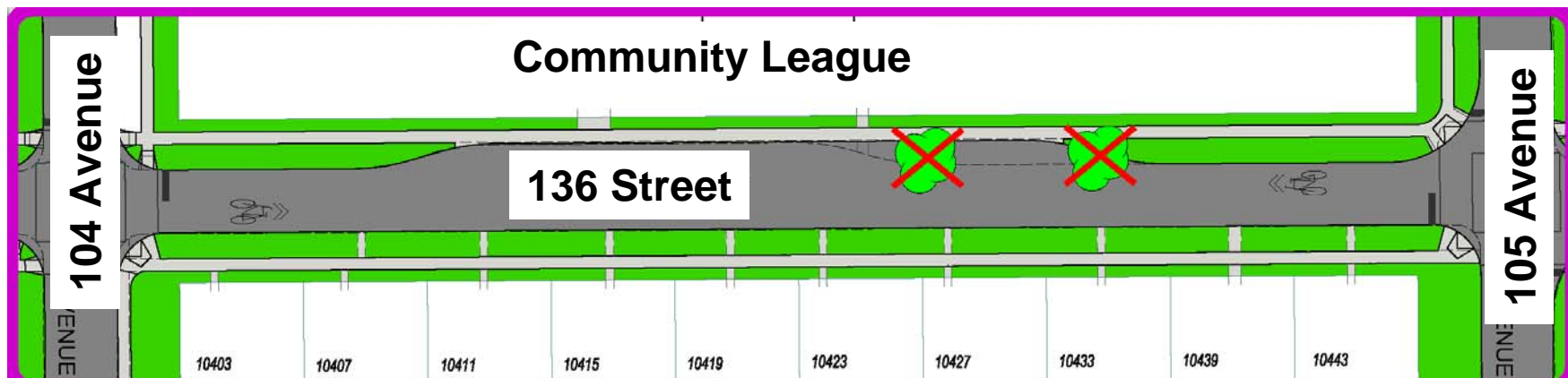
Intersection Improvements

- 101 Avenue, Ravine Drive
 - T-intersection
 - Improves vehicle sightlines from all directions of the intersection
 - Improves operations



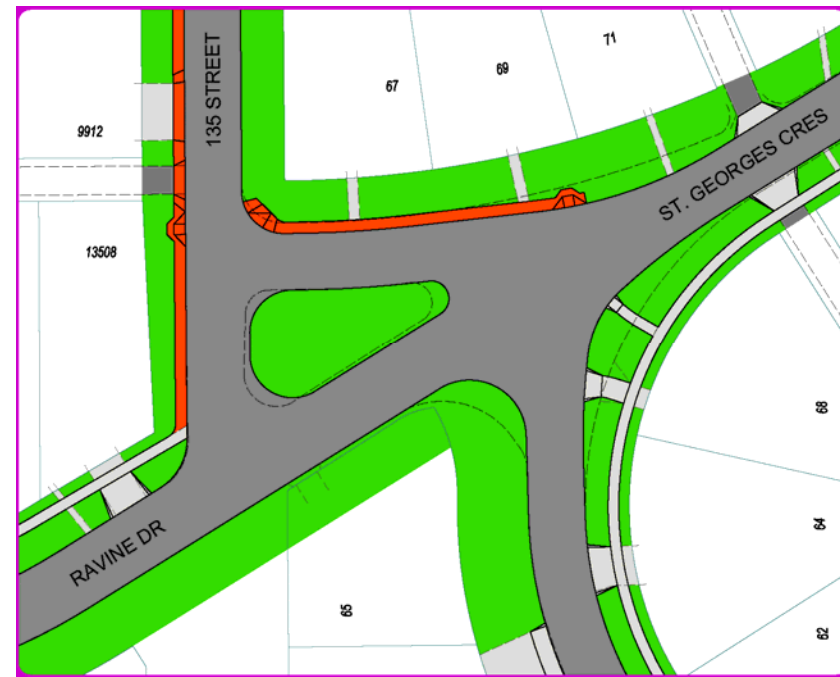
Intersection Improvements

- 136 Street North of 104 Avenue (Parking in front of Community League)
 - Community League requested more parking in meeting #1
 - Extended parking bay
 - Relocating two smaller elm trees



Intersection Improvements

- 135 Street and St. Georges Crescent
 - Improves vehicle sightlines from all directions of the intersection
 - Improves operations



Road Width Changes

- Typically roads in neighbourhoods are narrowed to current standards:
 - 9 m for local roads
 - 11.5 m for collector roads
- Glenora has unusually narrow roads
- May impact parking on one side of the road



Curb Design

- Straight face curb
 - Collector roadways
 - Bus routes
 - School areas
 - Park areas
- Roll faced curb
 - Local roadways



Curb Design



Streetlight Design Standards

Neighbourhood streetlight system

- Upgraded to energy efficient LED lighting, the new City standard for streetlights.



Construction Staging

- Staged over three years (2014-16)
- Ultimate staging dependant on weather conditions, coordination with utilities, and unforeseen design and construction issues.
- To create minimal disturbance for students, construction activities around the schools will be scheduled during the summer months.

