Welcome to 123 Avenue Corridor Improvements

INFORMATION SESSION

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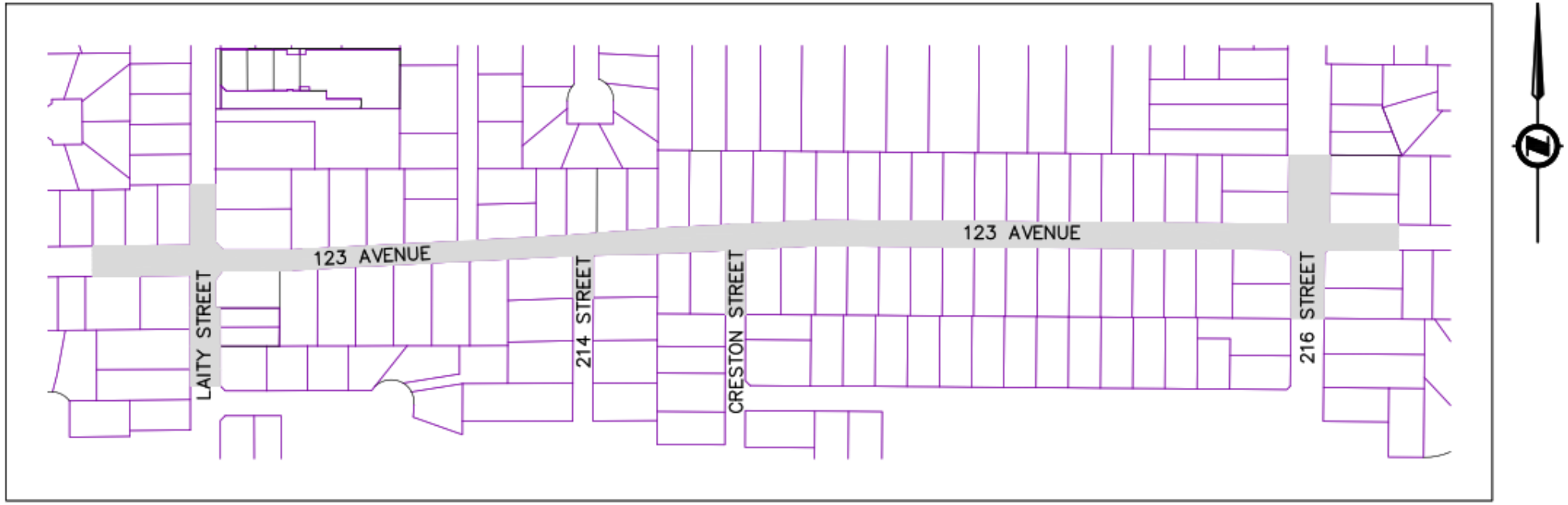

- The image above shows the extents of the improvement area.
- Design is underway for improvements along this roadway and construction is planned for 2024
- Please review the presentation boards to learn more about this project and share your input

Project History / Timeline

2015-Feb
Start of Traffic Calming Initiative for 123 Avenue

2015
NTAC* members formed & review options for traffic calming with Staff.

2016-March
Residents invited to Information Session to review short & long term traffic calming options (for 203-Laity)

2016-June
Results of Information Session reviewed with NTAC members.

2016-July
Short and long term improvements for 123 supported by Council (Laity – 216)

2017-July
Letter Issued to Residents for Long and Short term plans.

2017-August
Short term measures implemented that included speed reader board & Traffic Button installed

2018-August
Proposal for small protected pathway on northside proposed & not supported due to parking impacts.

2019-2021
Global Pandemic COVID

2021-November
123 Avenue (216 – Laity) Long Term Design Improvements initiated.

2022-January
Letter issued to residents regarding delay in project due to City budget.

2022
Detailed design underway for 123 (Laity – 216) storm, streetlighting and roadway improvements

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NTAC* is an abbreviation for Neighbourhood Transportation Advisory Committee which consisted of a group of local residents that provided input to help guide the traffic calming process for 123 Avenue.

Interim Traffic Calming Improvements

In response to the 2016 traffic calming initiative, short/interim improvements were supported by the community that were installed in 2017.

Public correspondence letters from 2016 and 2017.

June 3, 2016

Dear NTAC members:

RE: 123 Avenue Corridor Transportation Study
Our File No: 11-5460-06-20-03

The City would like to update NTAC members on our work in managing traffic on 123 Avenue between Laity Street and 216 Street.

The last Open House provided City staff with a clear direction that residents on your segment of 123 Avenue strongly support the proposal for a total road reconstruction. This total road reconstruction will include chicanes, pocket parking and traffic buttons (if temporary installations prove successful) in an effort to manage driver behavior. Drainage, lighting and a walking facility will also be part of the proposal. This proposal will be brought forward for consideration in the next Capital Plan.

In the interim, staff will proceed with the installation of two temporary traffic buttons; one at Creston Street and the other at Carlton Street. Speed line markings will also be applied, and the bike route will be redirected to 124 Avenue. It is expected that these temporary works will be installed over the summer and staff is currently sourcing the product for the temporary traffic buttons.

We appreciate all the support NTAC members have provided. We trust the direction that City staff has taken is acceptable. If you have any concerns or questions, please feel free to call Ryan Oss or Michael Eng at 604-467-7339.

Yours truly,

Ryan Oss
Engineering Technologist

July 17, 2017

Dear Resident:

RE: Status of Traffic Calming Process on the 123 Avenue Corridor – Laity Street to 216 Street
Our File No: 11-5460-06-20

The intent of this letter is to provide the residents along the 123 Avenue corridor an update on the status of the traffic calming initiative. Previously, in consultation with the Neighbourhood Transportation Advisory Committee, both short term and long term improvements were proposed and subsequently endorsed by the majority of residents.

The short term improvements included the placement of a speed reader board and installation of two traffic buttons at Carlton Street and Creston Street. A speed reader board was installed and will be incorporated into the City's regular rotation schedule. Transverse speed lines were painted as a trial but they have had limited impact. The narrow road right-of-way width is a challenge when considering the installation of the traffic buttons but the City is pursuing the installation at Creston Street, with the intent to complete the installation by the end of August, 2017. If there is any change in schedule the City will inform the residents. Traffic behaviours will be monitored after the installation of the traffic button at Creston Street and a decision taken whether or not to consider the installation at Carlton Street.

The long term improvement involves the reconstruction on 123 Avenue in its entirety including the installation of a storm sewer, concrete curbs and sidewalks and street lighting with areas of on-street parking to create a chicane to temper speeding. The detailed design is scheduled for 2018 with the construction phased over 2021 and 2022. It is understood that residents would like this to occur sooner, but there are funding constraints due to other significant roads projects. The installation of the traffic button(s) should help alleviate the speeding issue until the reconstruction occurs.

The Financial Plan is reviewed annually and at times projects may be rescheduled; if this occurs the City will communicate that out to the 123 Avenue residents.

Yours truly,

David Pollock, PEng.
Municipal Engineer

Interim Plan

Traffic Buttons

Traffic buttons at Carlton Street and Creston Street.
(similar to those shown below)

- Reduces speed through intersections.
- Provides visual break in the street scape which reduces vehicle speeds.
- Implementation will require some road realignment on the south side of Carlton Street and on the north side of Creston Street.
- Provides safer access from side streets.

Temporary Installation with FG 300 Delineator bases

Permanent Installation

Safer City

2015 Public Feedback

Feedback	Residents Identify As Top Item (% of Feedback)	Additional Comments
Vehicle Speed	18 of 38 residents (47%)	Request for traffic calming measures
Pedestrian Safety	11 of 38 residents (29%)	School proximity, limited amenities
Traffic Volume Reduction	8 of 38 residents (21%)	Concerns with commuters shortcutting
Police Enforcement	1 of 38 residents (3%)	Driver behaviour concerns

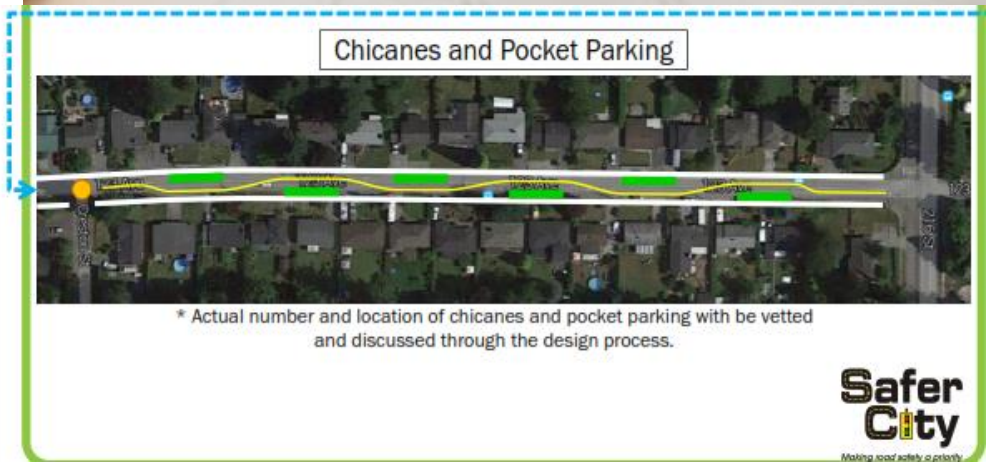
Concept Design based on Previous Feedback

Feedback	Consolidated Design Improvements

Vehicle Travel Speeds (47% of feedback)	• Chicanes (moving the centreline) & Pocket Parking
	  • Horizontal deflection reduces travel speeds
	• Speed Humps (not supported)
	  • Speed humps impede emergency response times

Pedestrian Safety (29% of feedback)	• City of Maple Ridge Strategic Transportation Plan (STP) identifies 123 Avenue as a cycling route
	  • Existing Right-of-Way (ROW) width is narrow on west side limiting options for sidewalk amenity on the south side (west of 214 St.)
	  • A Multi-Use Pathway (MUP) on the northside accommodates both walking + cycling movements

Traffic Volume Reduction (30% of feedback)	• Abernethy Way Extensions
	  • Traffic Volumes have reduced on 123 Avenue since construction of 128 Avenue/Abernethy Way corridor
	  • Chicane & Pocket Parking discourages commuter shortcutting



123 Avenue Corridor Overview

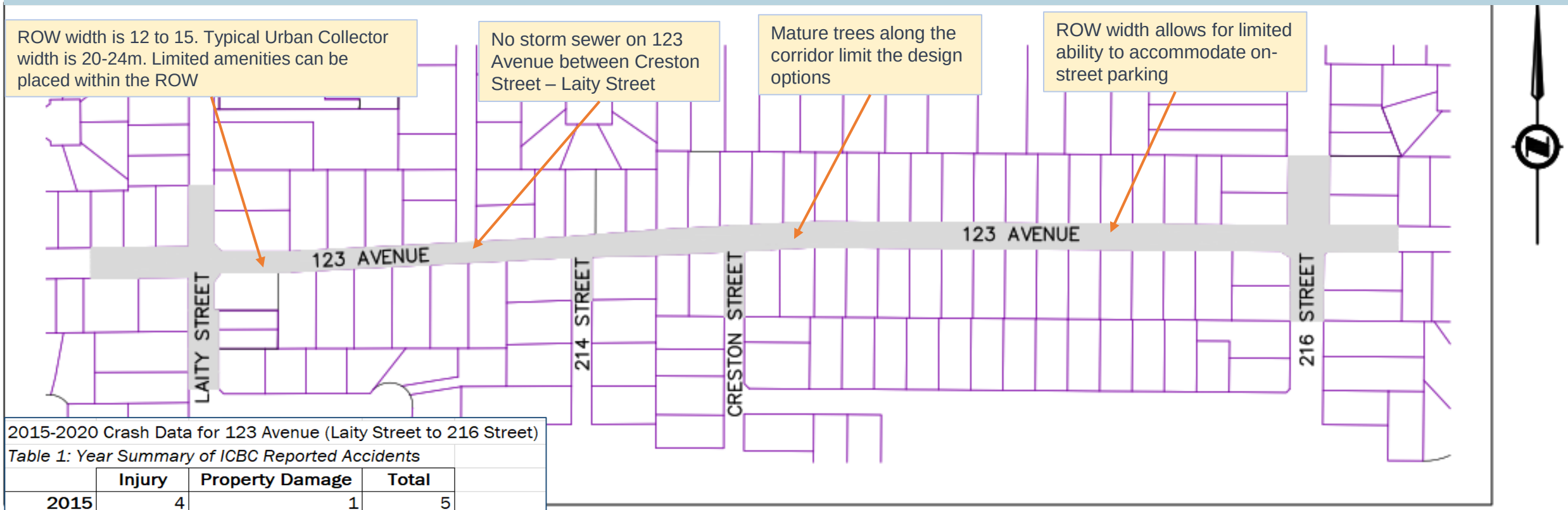
The existing 123 Avenue Corridor is a mature neighbourhood with an narrow road right-of-way (ROW) compared to current standards. The design will strive to meet current design standards and accommodate as many amenities as possible.

ROW width is 12 to 15. Typical Urban Collector width is 20-24m. Limited amenities can be placed within the ROW

No storm sewer on 123 Avenue between Creston Street – Laity Street

Mature trees along the corridor limit the design options

ROW width allows for limited ability to accommodate on-street parking



2015-2020 Crash Data for 123 Avenue (Laity Street to 216 Street)

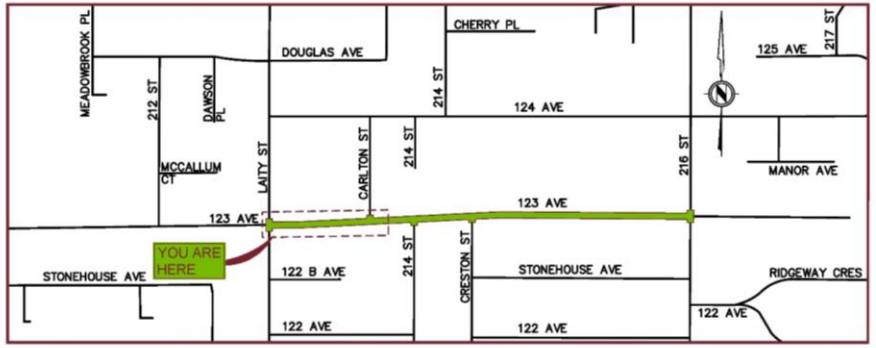
Table 1: Year Summary of ICBC Reported Accidents

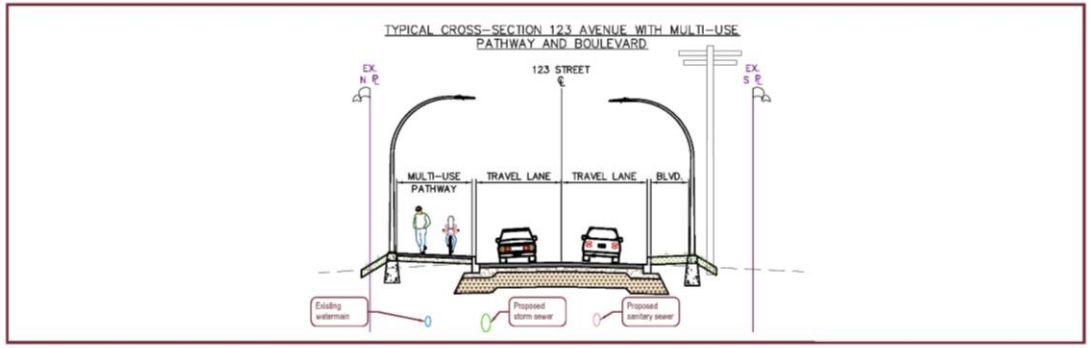
	Injury	Property Damage	Total
2015	4	1	5
2016	2	2	4
2017	5	6	11
2018	4	0	4
2019	1	2	3
2020	0	1	1
TOTAL	**16**	**12**	**28**

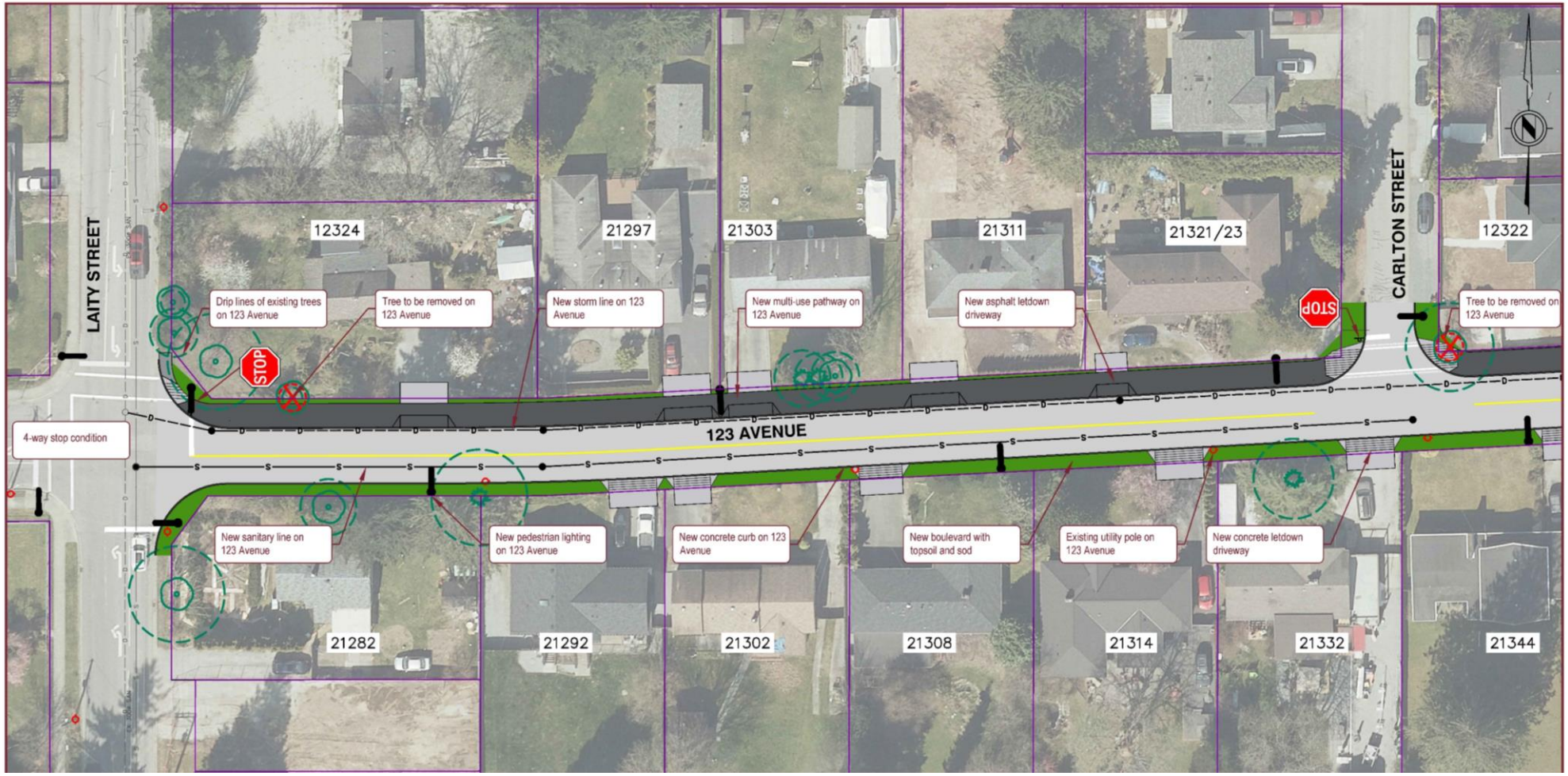
ICBC Crash Data shows significant reduction of crashes since interim measures were implemented

Residents feedback indicate that existing traffic button is challenging to navigate around

Mobility access challenges to bus stops







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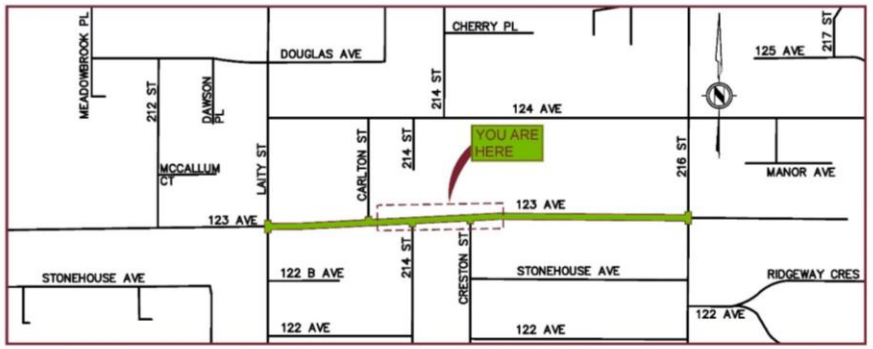
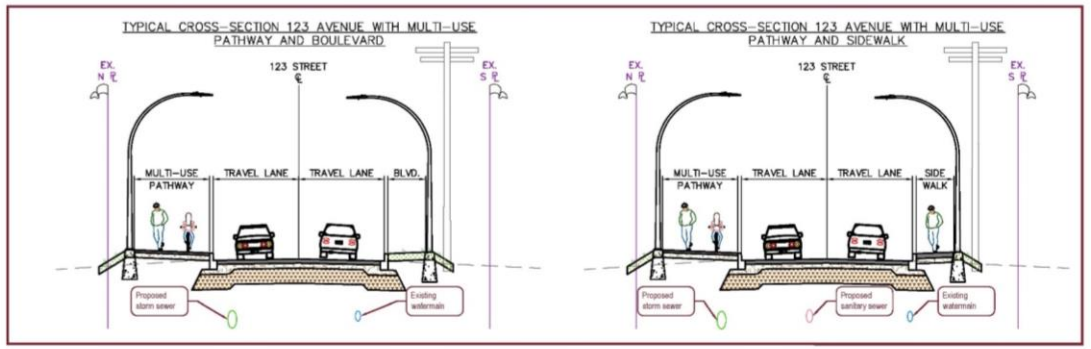
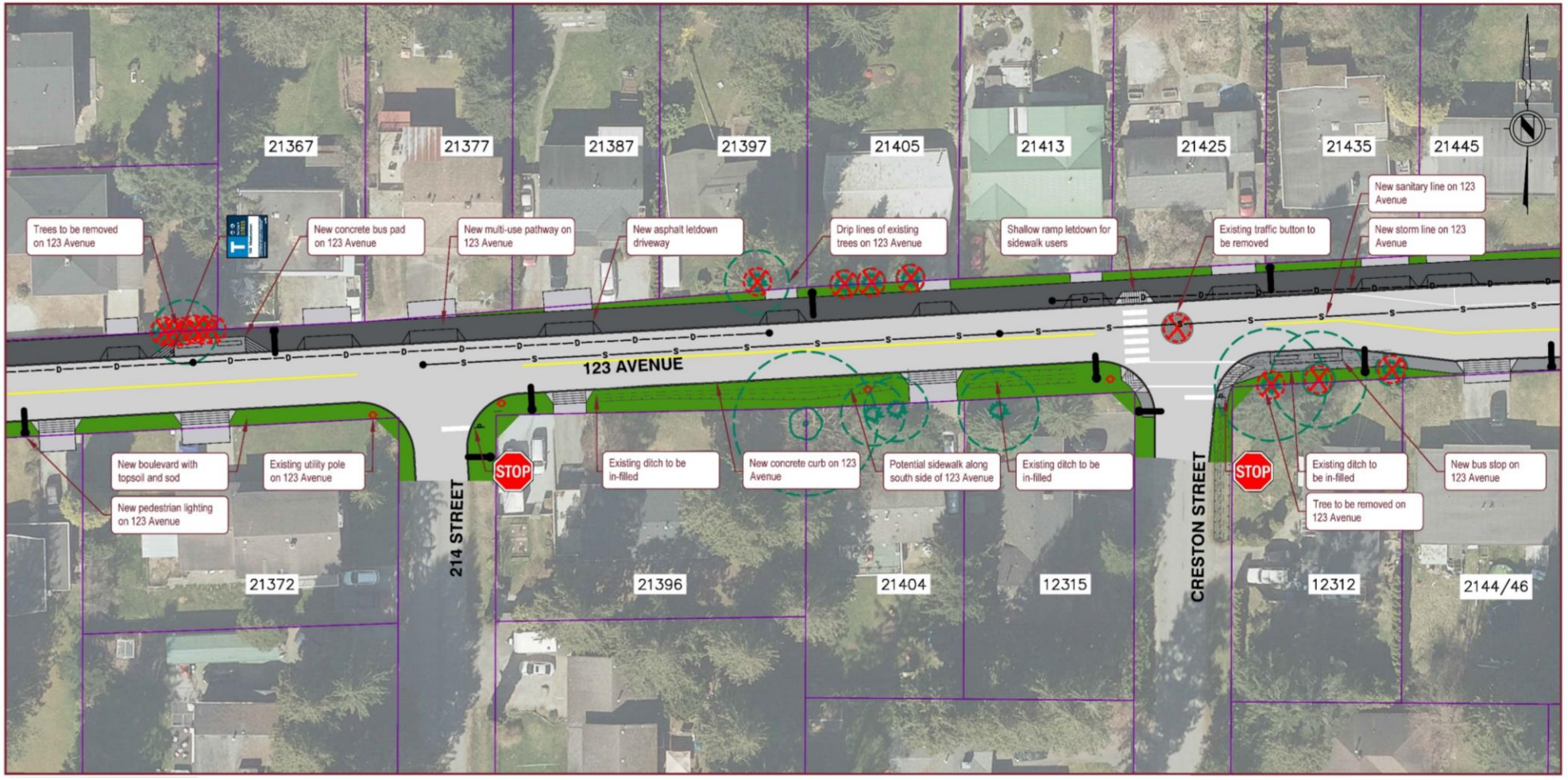
SHEET NO. 01 OF 04

123 AVENUE CORRIDOR IMPROVEMENTS (CONCEPT DESIGN SUBJECT TO CHANGE)
LAITY STREET TO 216 STREET

APLIN MARTIN
ENGINEERING ARCHITECTURE PLANNING SURVEYING







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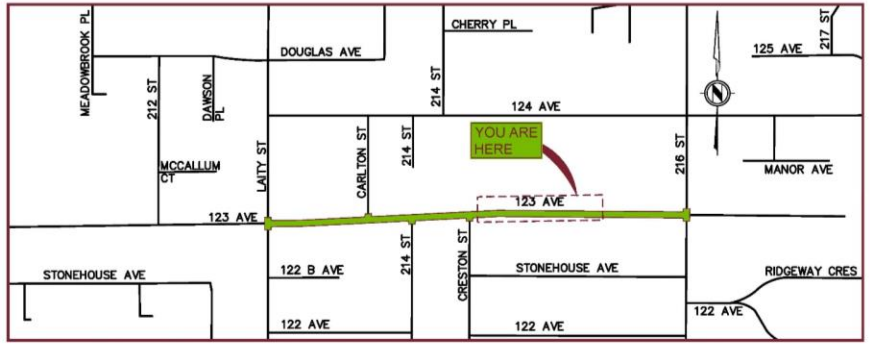

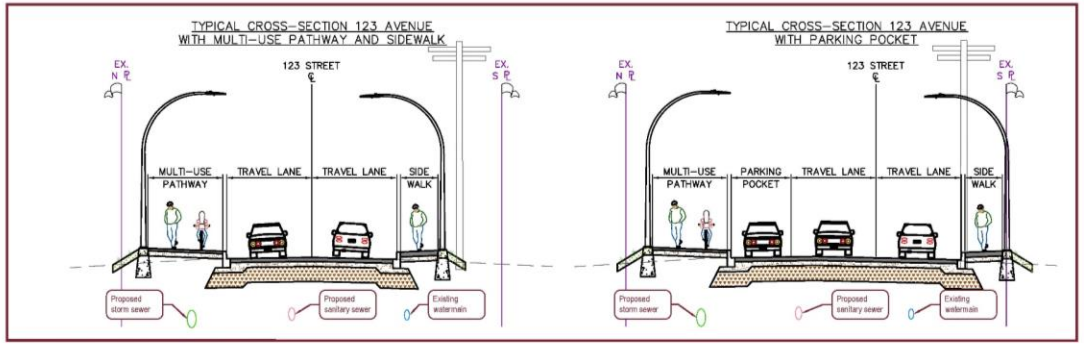

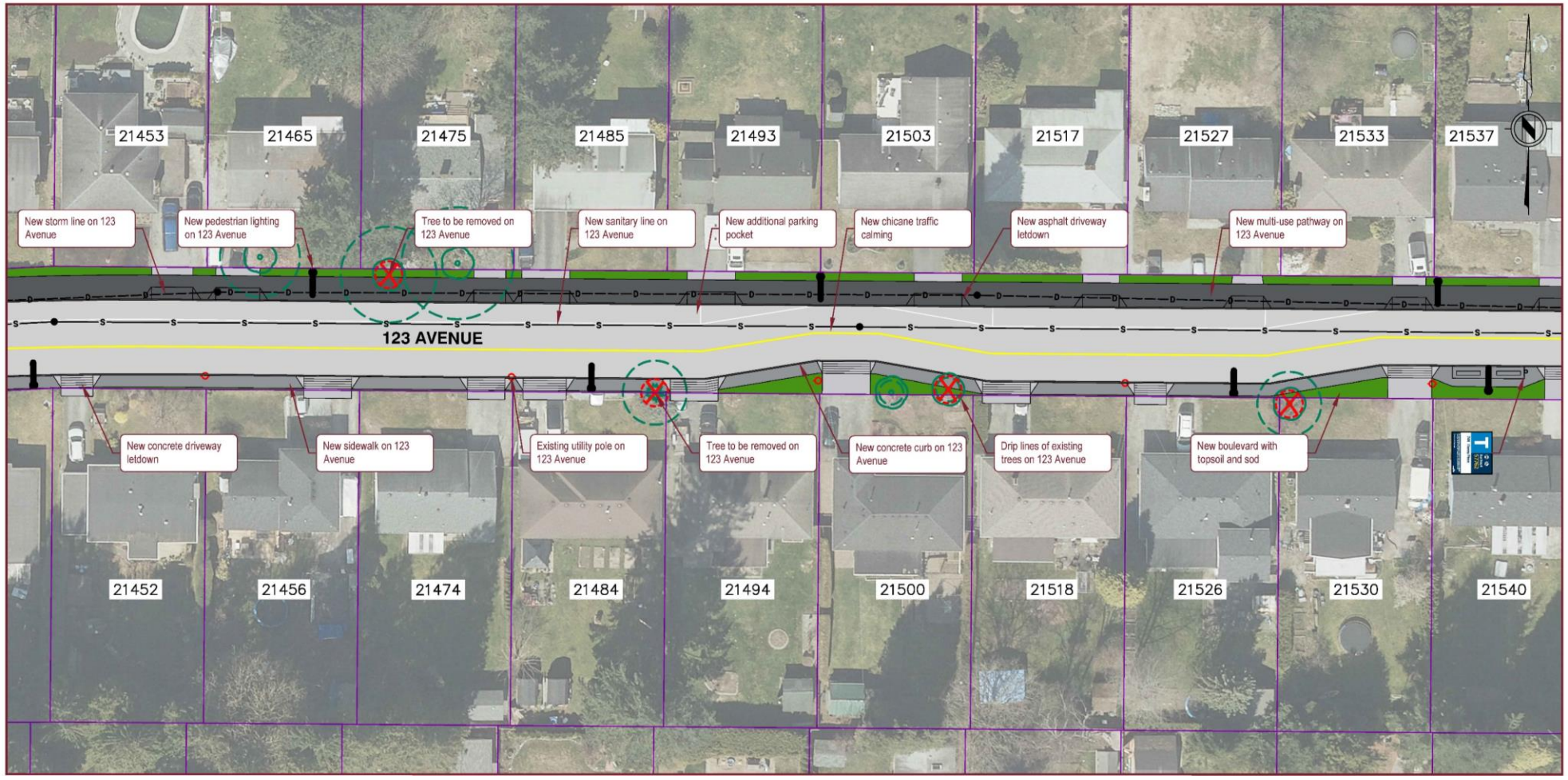

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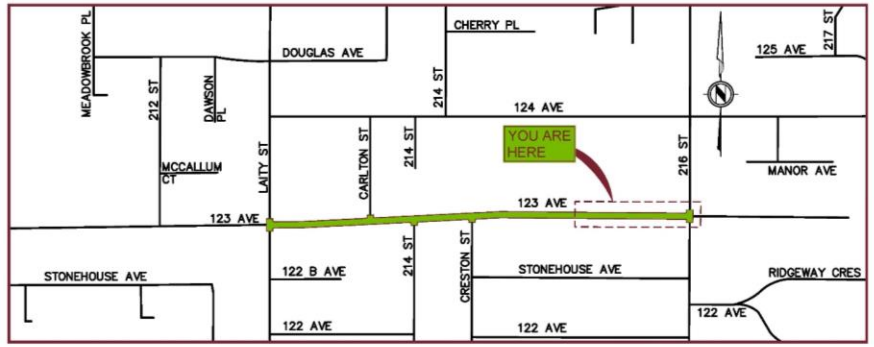

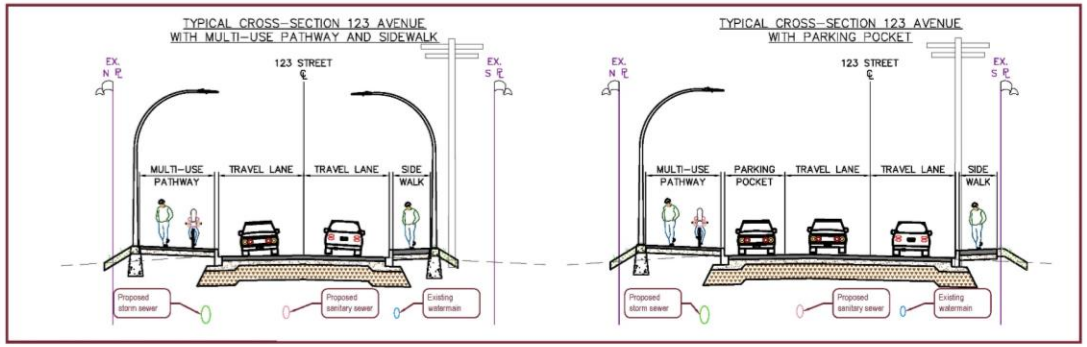

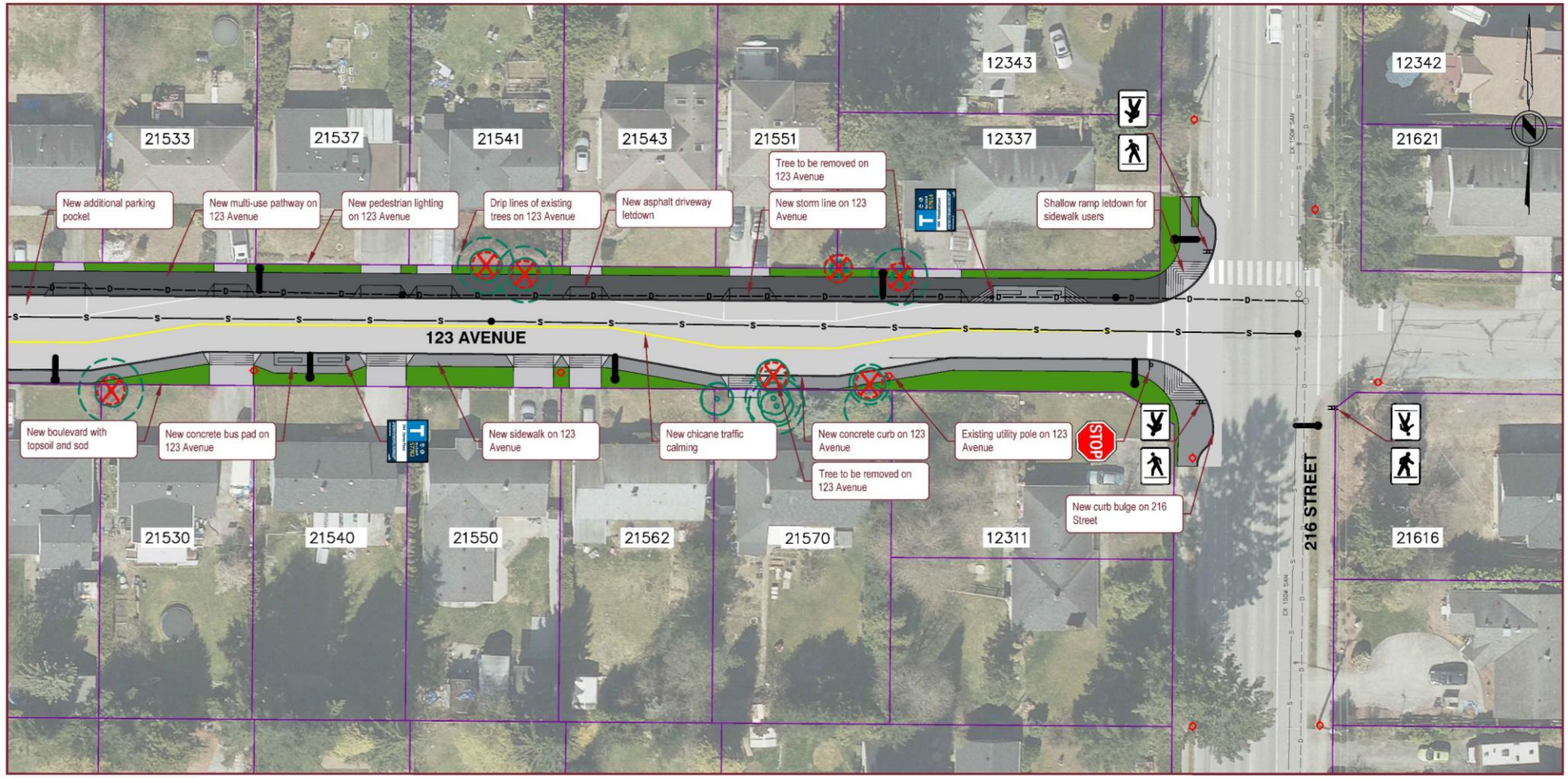

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APLIN MARTIN
ENGINEERING ARCHITECTURE PLANNING SURVEYING

Anticipated Future Project Timeline

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2022-November
City of Maple Ridge Information Session

2022-December / 2023 January

Consolidate / incorporate resident feedback to inform future design

2023
Complete Detailed Design
Further engagement with impacted residents along the corridor.

2024 –Spring

Tender/Bid for Construction

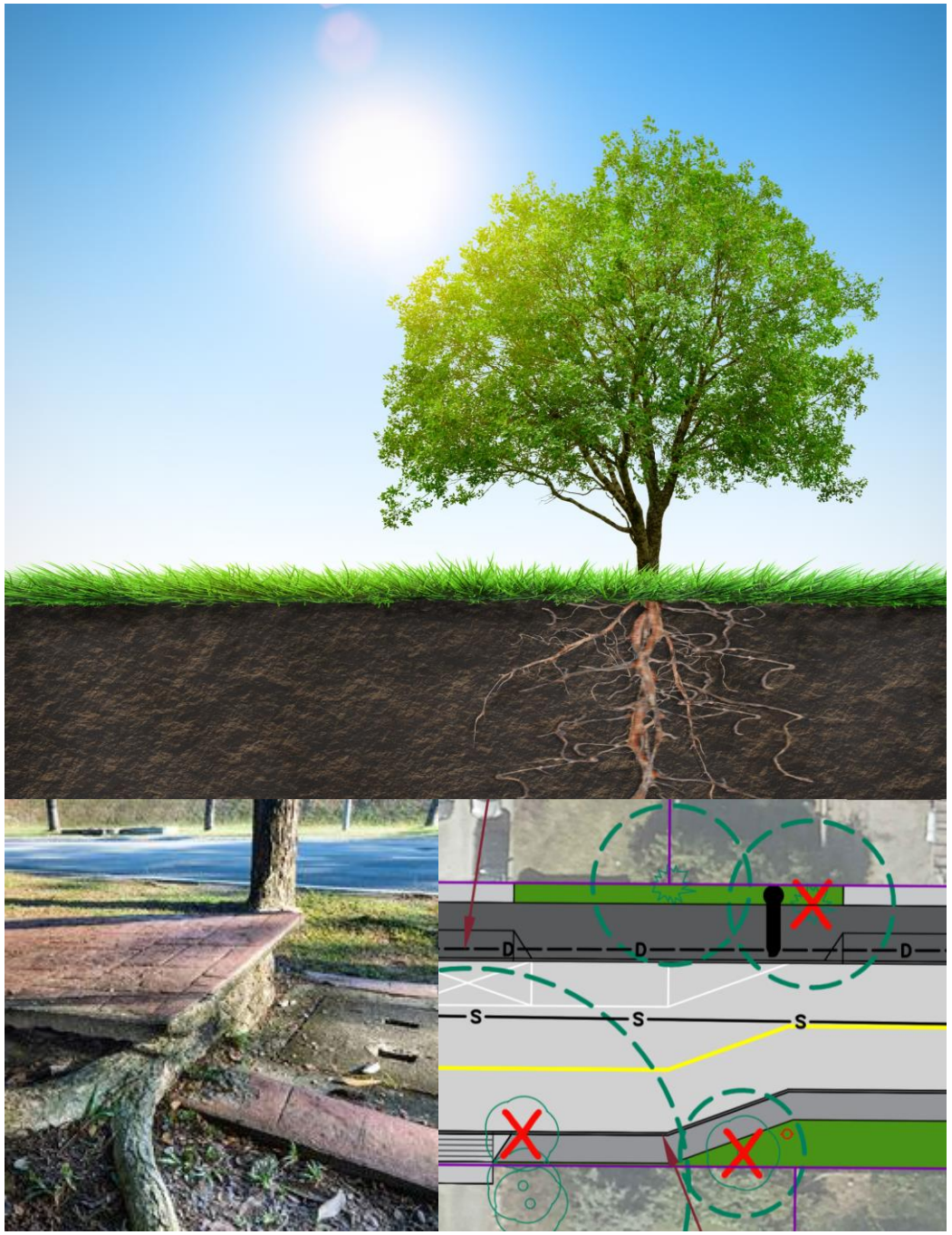
2024 – Late Spring / Early Summer
Anticipated Construction (roughly 8 month duration)

Projected timeline subject to Council Approval and Funding

Tree & Landscape Impacts

Mature Trees & Root Structure

- Design team will identify trees and landscaping definitely impacted and possibly impacted by improvements including new sidewalk, road or multi-use path (MUP)
- Design team will make best efforts to retain trees and landscaping that are possibly impacted by the improvements including:
  - Revising the design where possible to avoid conflicts
  - Use of an arborist to assess impacted trees during design and during construction to retain as many trees as possible.
- Certified Arborist will assess individual trees affected by construction.



Construction Related Impacts

What to expect during construction

- Construction Notice Letters will be delivered to residents prior to construction
- Local access for residents will be provided with traffic control.
- Limited driveway access for short durations. Contractor will coordinate and provide advance notice to minimize disruption to residents
- Sanitary and storm services will be transferred to new sewer mains.
- The City and Contractor will coordinate with residents to minimize construction impacts.

Next Steps

- Feedback will be consolidated from this information session to inform the preliminary design
- Project design work ongoing (currently at 30% stage)
- Further engagement with impacted residents in 2023
- Construction anticipated mid 2024 that will take several (roughly 8) months to complete
- Projected project timeline subject to funding and Council approval

THANK YOU!

Thank you for taking the time to review the information session display boards.

If you have questions, please speak with available Staff.

Please provide your comments in feedback forms to help inform design of this project.