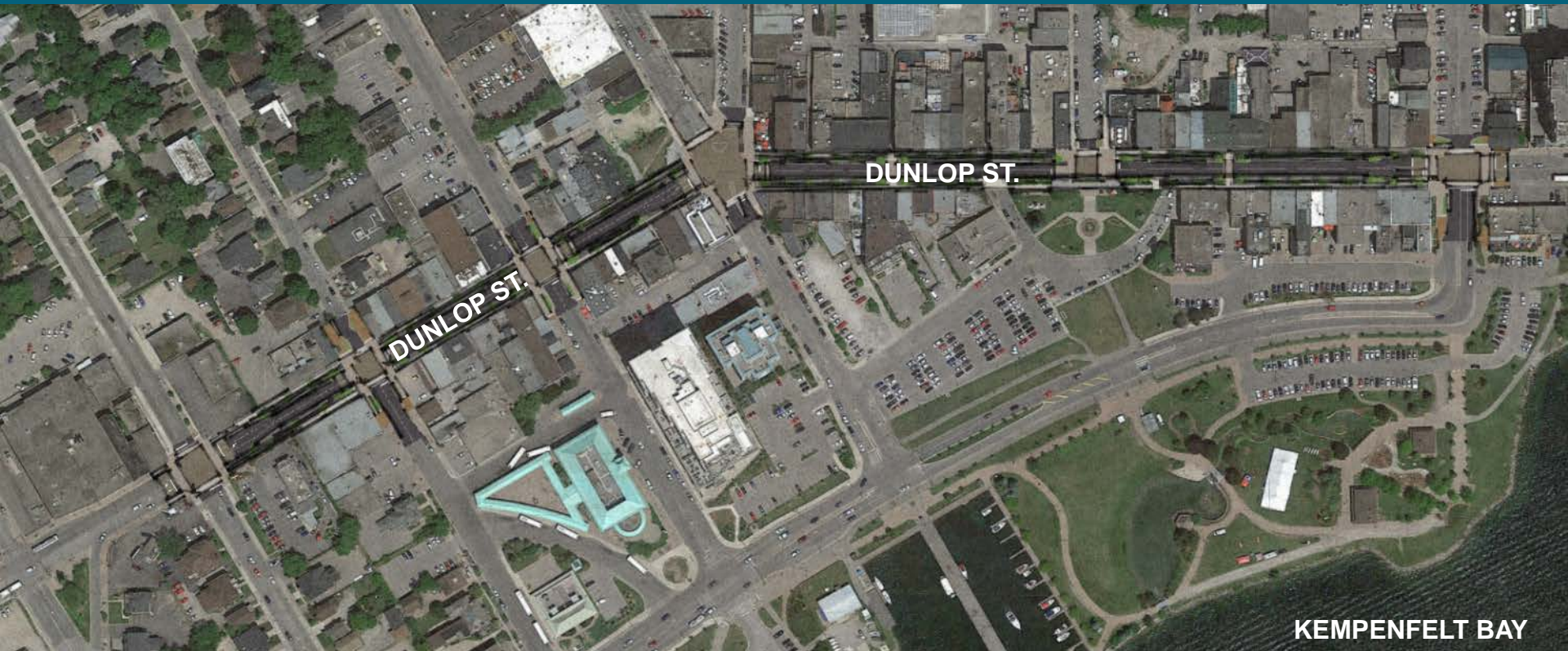


Update on Dunlop Street Corridor Improvements



Toronto St to Mulcaster St

March 26, 2018



C.C. Tatham & Associates



Envision-Tatham

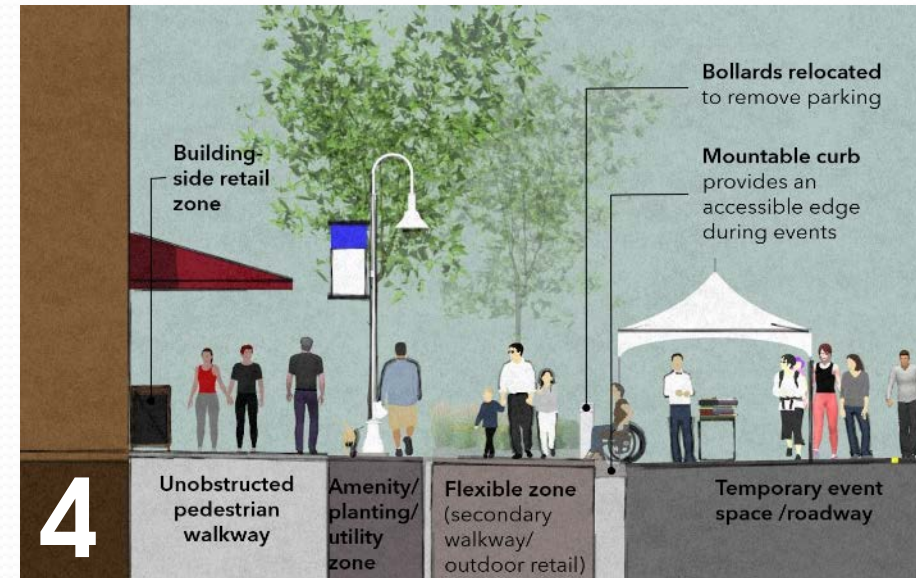
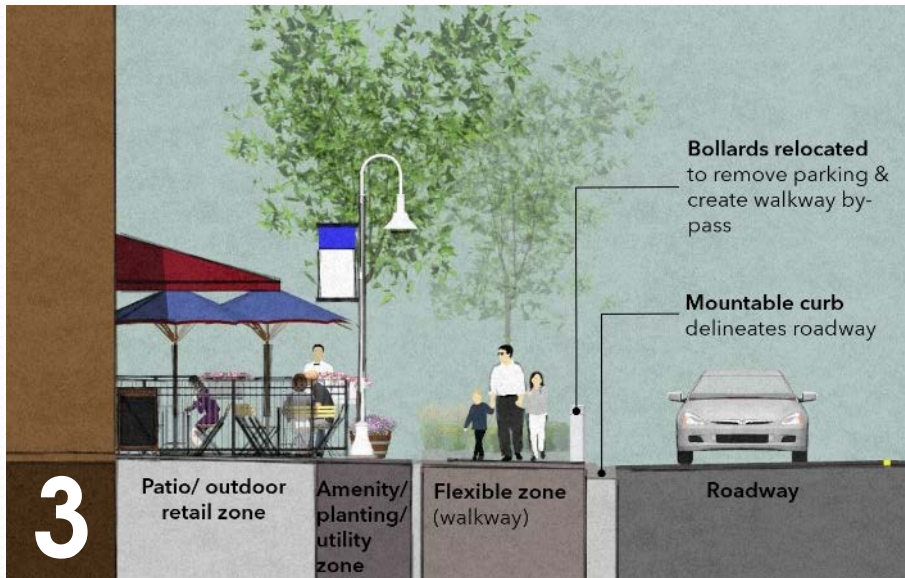
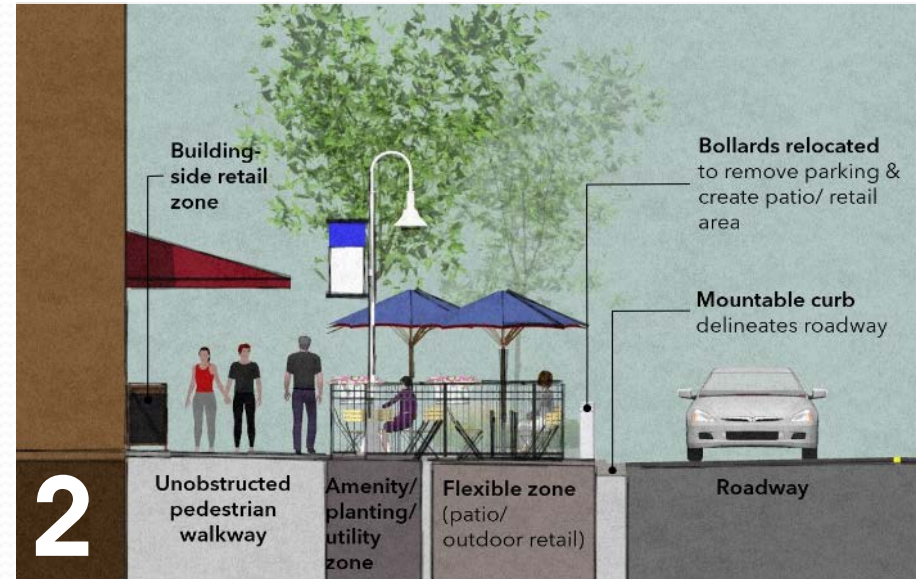
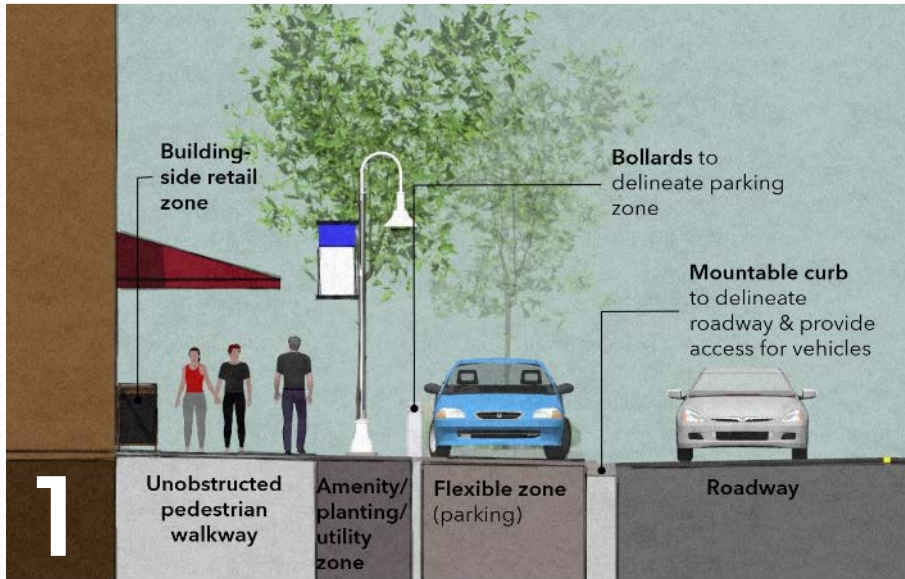


Presentation Overview

1. Flexible Street & Streetscape Overview
2. Road, Infrastructure & Intersections
3. Construction Phasing & Costs
4. Stakeholder Consultation
5. Next Steps

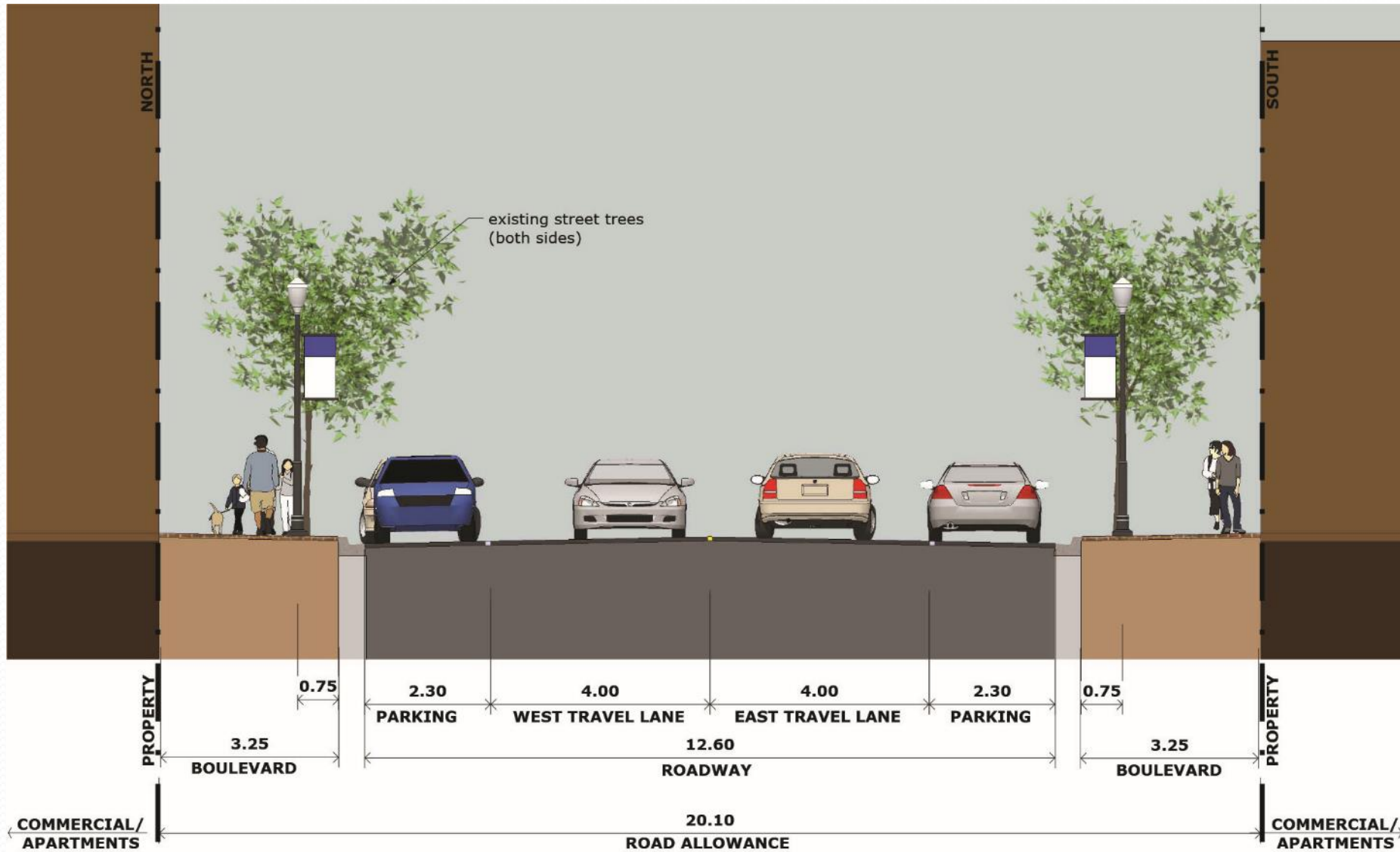
Flexible Street

Typical Configurations



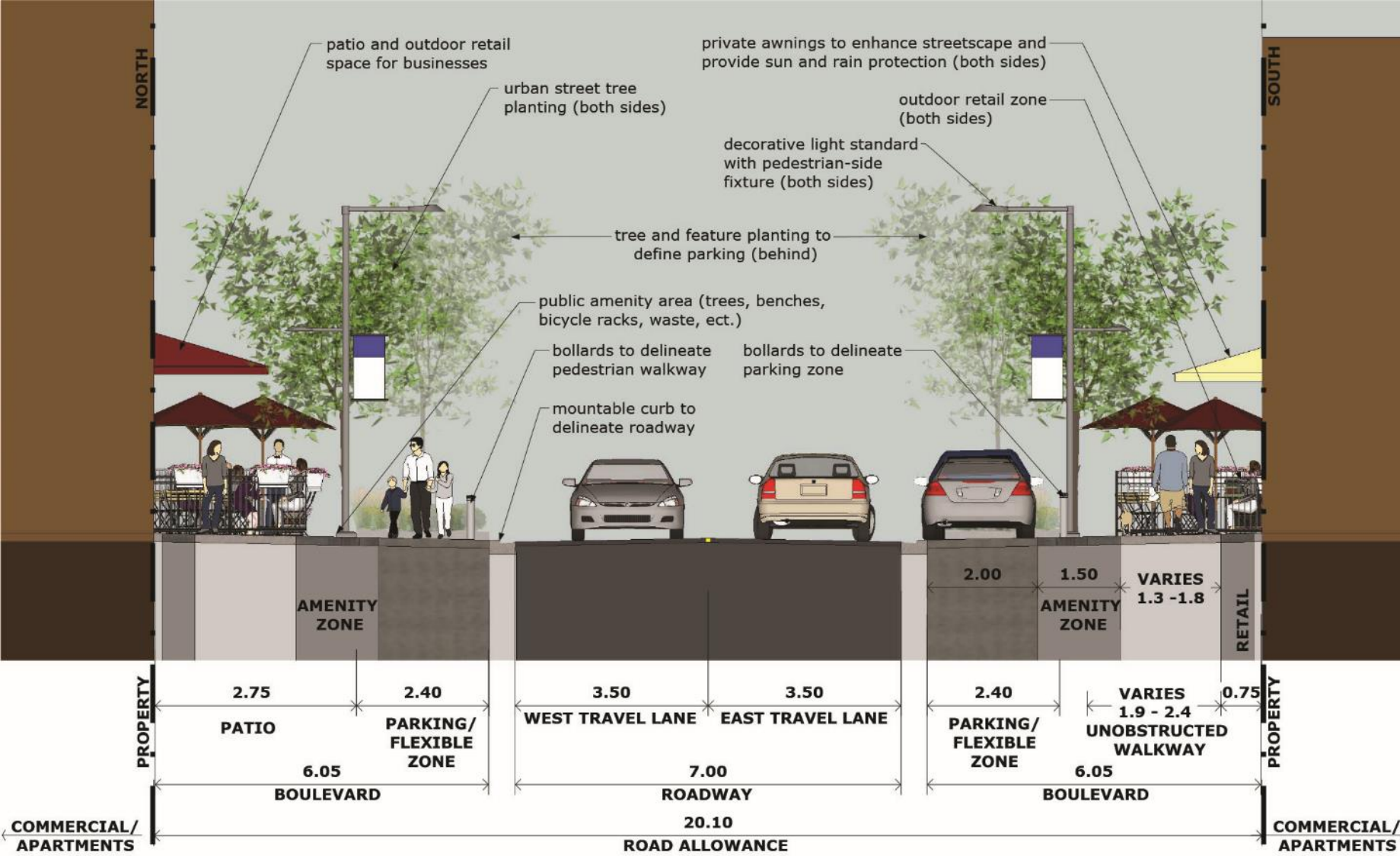
Dunlop Street

Existing



Dunlop Street

Proposed



Dunlop Street

Proposed



Materials

Primary Walkways

- Contemporary standard concrete
- Smooth travel for accessibility



Parking Pads

- Grey coloured concrete
- Will match Memorial Square



Overall Concepts

Blvds & Ped X'ings

- Clean style unit pavers
- Contemporary design



Materials



Bollards

- 6- 8" dia.
- removable stainless steel



Trees

- urban tree planting
- ensures long term health

Overall Concepts



Planters

- to separate parking areas
- reflect local species

Others

- benches
- bike racks
- waste receptacles

Materials



- Contemporary architectural light with pedestrian fixture
- Electrical outlets, banner arms & hanging basket attachments

Street Lights



Intersections

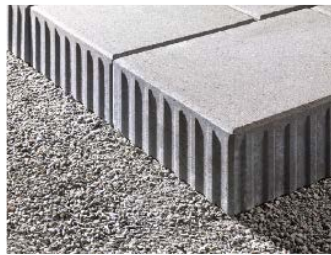
Typical



Materials

Interlocking Blocks

- Mechanized interlocking system for greater strength



Interlocking Blocks or Stamped Asphalt

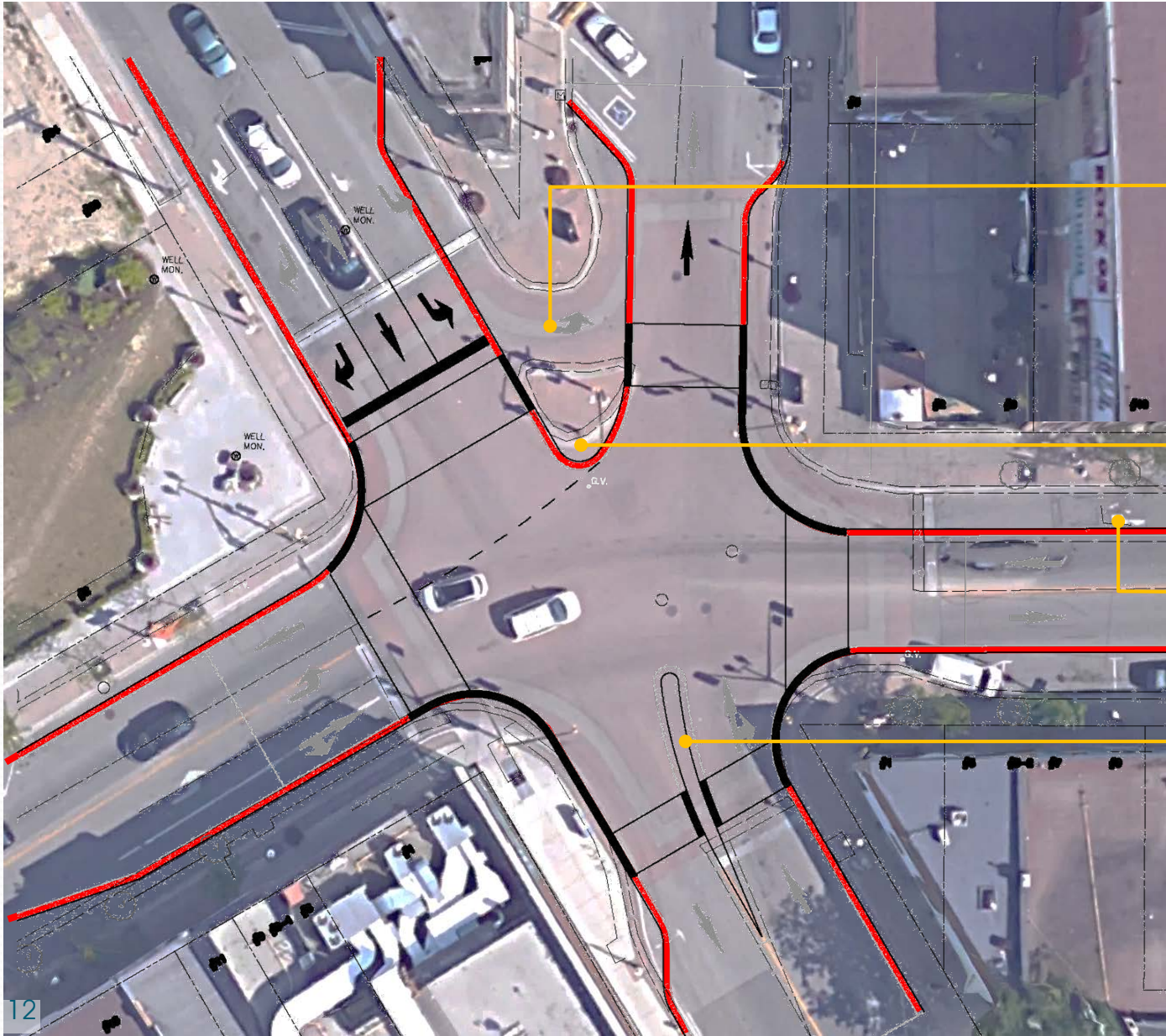
Stamped Asphalt (Traffic PatternsXD)

- Thermoplastic material heat bonded to asphalt
- Pattern stamped into the material and top layer asphalt



Intersections

5 Points



eliminate Bayfield to Clapperton movement

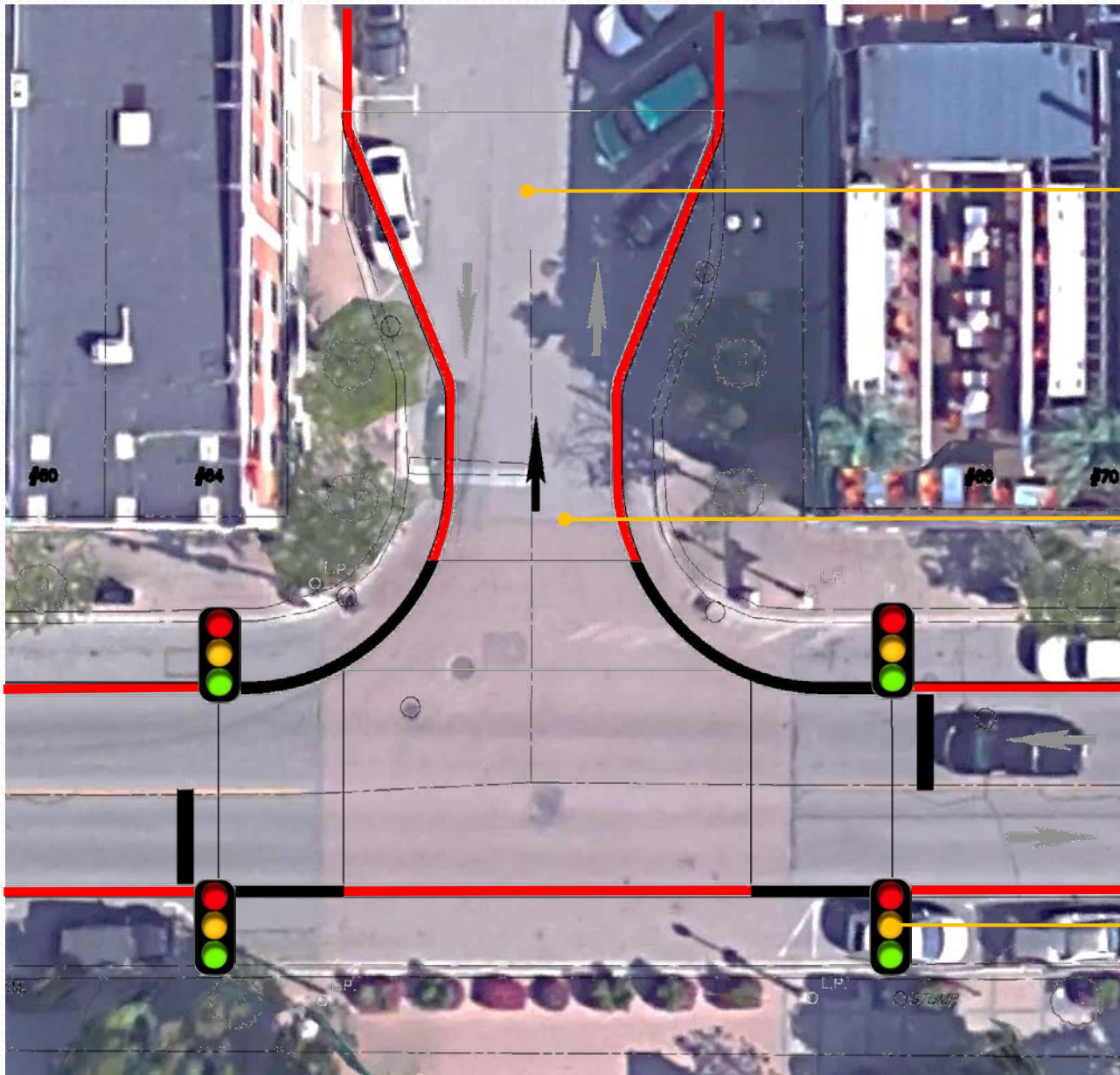
extend island to direct EB Dunlop traffic to Clapperton

eliminate WB right turn lane

mountable island to guide NB Bayfield traffic to Clapperton

Intersections

Owen Street



Convert Owen Street one-way NB (eliminates need for SB signal heads at Square)

Narrow road to 6.0m to reduce crossing distance

Signalize intersection to provide improved pedestrian crossings

Intersections

Owen Street



Infrastructure

Storm & Sanitary Sewers

- Adjust existing sanitary and storm sewer structures

Utilities

- Coordination with affected utilities to accommodate intensification

Information Technology

- Install underground ducts for future technology needs

Water System

- Implement cathodic protection for the ductile iron watermain



Preliminary Phasing

Overall Phasing

- Subject to constructability review & stakeholder consultation
- To minimize disruption to businesses
- To recognize special events (patio season, Remembrance Day, Holiday season)

Phase 1

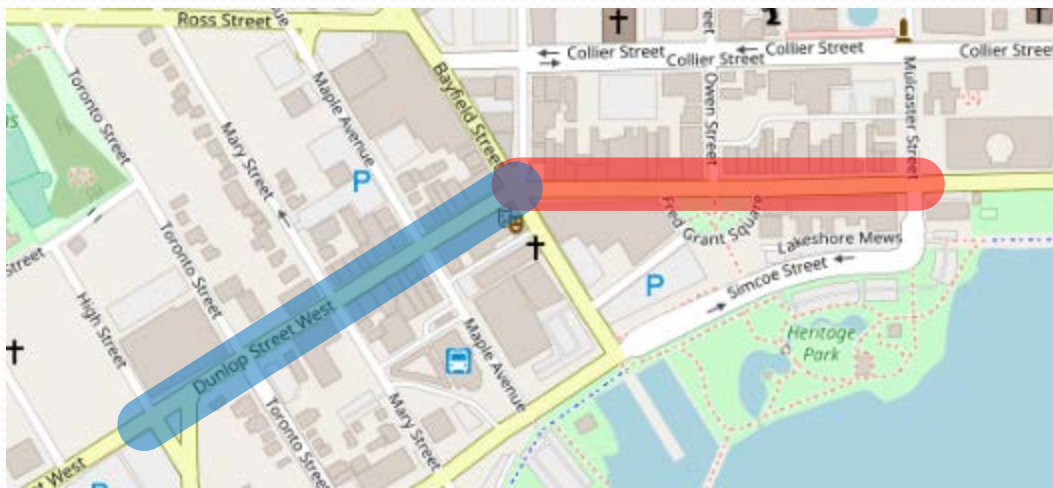
- Bayfield to Mulcaster
- Start: Sept 2019 (after summer patio season)
- End: Spring 2020

Ph 1A: Sept - Nov 2019

Ph 1B: Apr - June 2020

Phase 2

- Toronto to Bayfield
- Start: Spring 2020 after Phase 1
- End: late 2020



Stakeholder Consultation

City of Barrie

- Monthly meetings with staff
- Input & review of design matters from various City Departments
- Coordination with Memorial Square project team



Downtown Barrie BIA

- On-going consultation
- Very supportive of design philosophies & direction



Utility Agencies

- On-going consultation

Public Information Centre

- 60% design presentation to be held in April 2018

Next Steps

- 60% Public Information Centre April 2018
- Constructability Review May 2018
- Council Report June 2018
- 100% Design Fall 2018
- Tender Summer 2019
- Construction to Start Fall 2019

Thank-you



C.C. Tatham & Associates Ltd.
Consulting Engineers

