

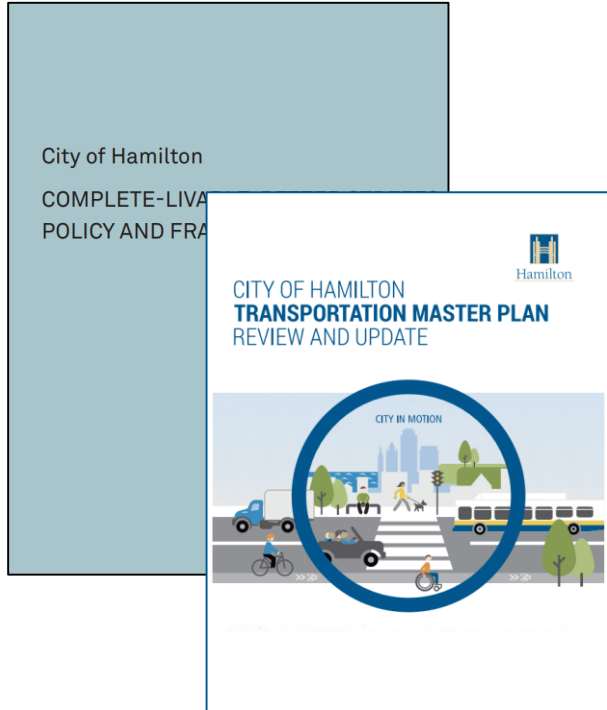
# Complete Streets Design Manual

Development Industry Liaison Group

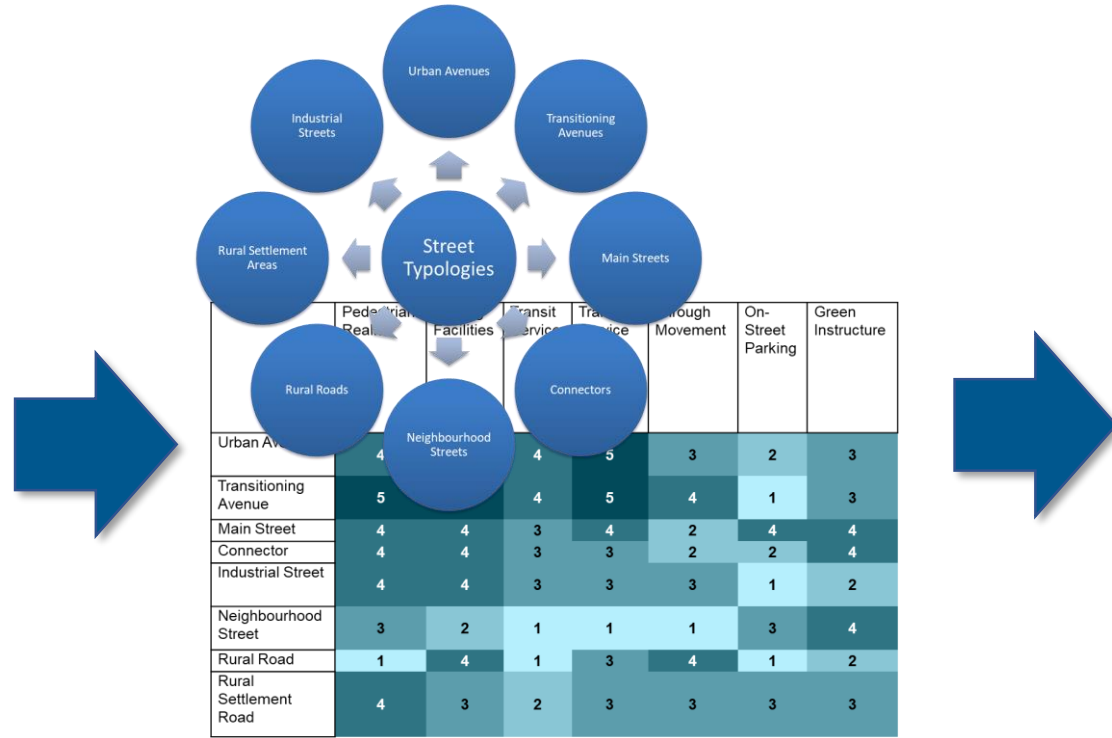
May 9, 2022



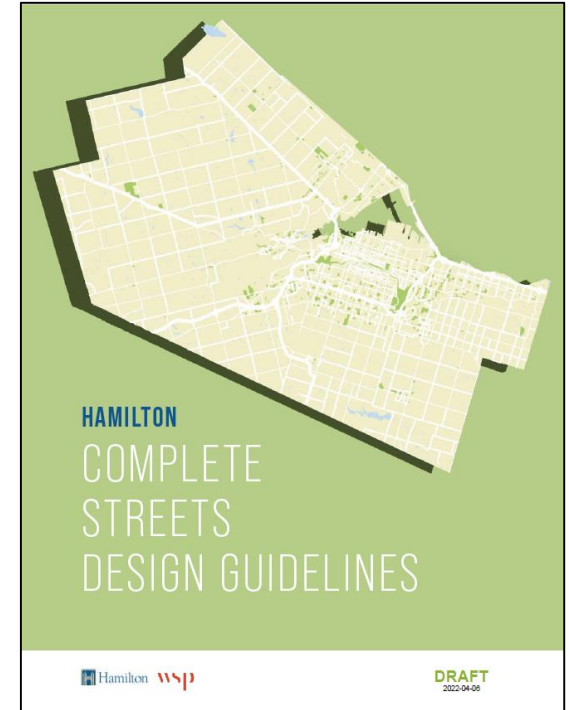
# Where We Are



**Complete, Livable, Better Streets Policy - 2018**



**Complete Streets Framework – 2019 to 2021**



**Complete Streets Design Manual – 2021 to Present**

# Design Manual Outline

1. Introduction
2. Undertaking Complete Streets Design
3. Elements of Complete Streets
4. Complete Street Typologies
5. Designing for Intersections

# Design Manual Outline

## 1. Introduction

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## Introductions

- What are Complete Streets?
- Who is the Manual For?
- Supportive Strategies and Policies
- The Vision for Complete Streets in Hamilton
- Design Principles for Complete Streets

# Design Manual Outline

1. Introduction
- 2. Undertaking Complete Streets Design**
3. Elements of Complete Streets
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## Complete Streets Design

- Process Overview
- Planning
- Conceptualization
- Designing
- Implementing through Case Studies
- Monitoring and Review
- Updating Policy

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## Elements of Complete Streets

- Pedestrian Realm and Placemaking
- Cycling Facility Design
- Transit Facility Design
- Motor Vehicles
- On-Street Parking
- Goods Movement
- Green Infrastructure
- Utilities and Municipal Services
- Equity & Accessibility

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## Complete Street Typologies

- Overview of Typologies
- Urban Avenues
- Transitioning Avenues
- Main Streets
- Connectors
- Industrial Streets
- Neighbourhood Streets
- Rural Roads
- Rural Settlement Streets

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## Complete Street Typologies

Proposed roadway design for Industrial Streets





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## Designing for Intersections

- Guiding Principles
- Unsignalized Intersections
- Signalized Intersections
- Roundabouts



# Phase 2 Consultation To-Date

## Three TAC Meetings

## One-on-One Meetings with Internal Groups

- Planning
- Engineering Services
- Chief Road Official
- Forestry and Horticulture
- Landscape Architecture
- Transit
- Growth Management
- Transportation Operations & Maintenance
- Environmental Services

## Advisory Committees

- Advisory Committee for Persons with Disabilities
- Development Industry Liaison Group
- Hamilton Cycling Committee
- Seniors Advisory Committee

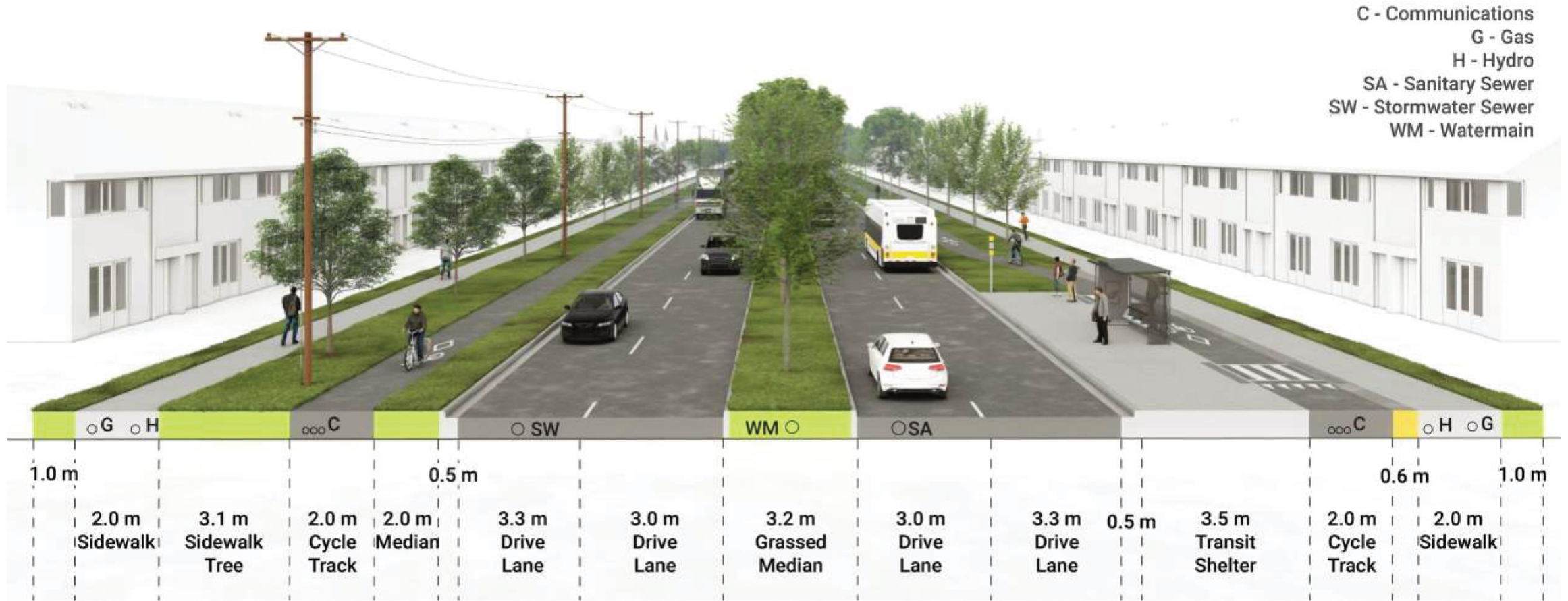
## Community Focus Group

## 2 Surveys on Engage Hamilton

# Draft Cross-Section: Urban Avenues



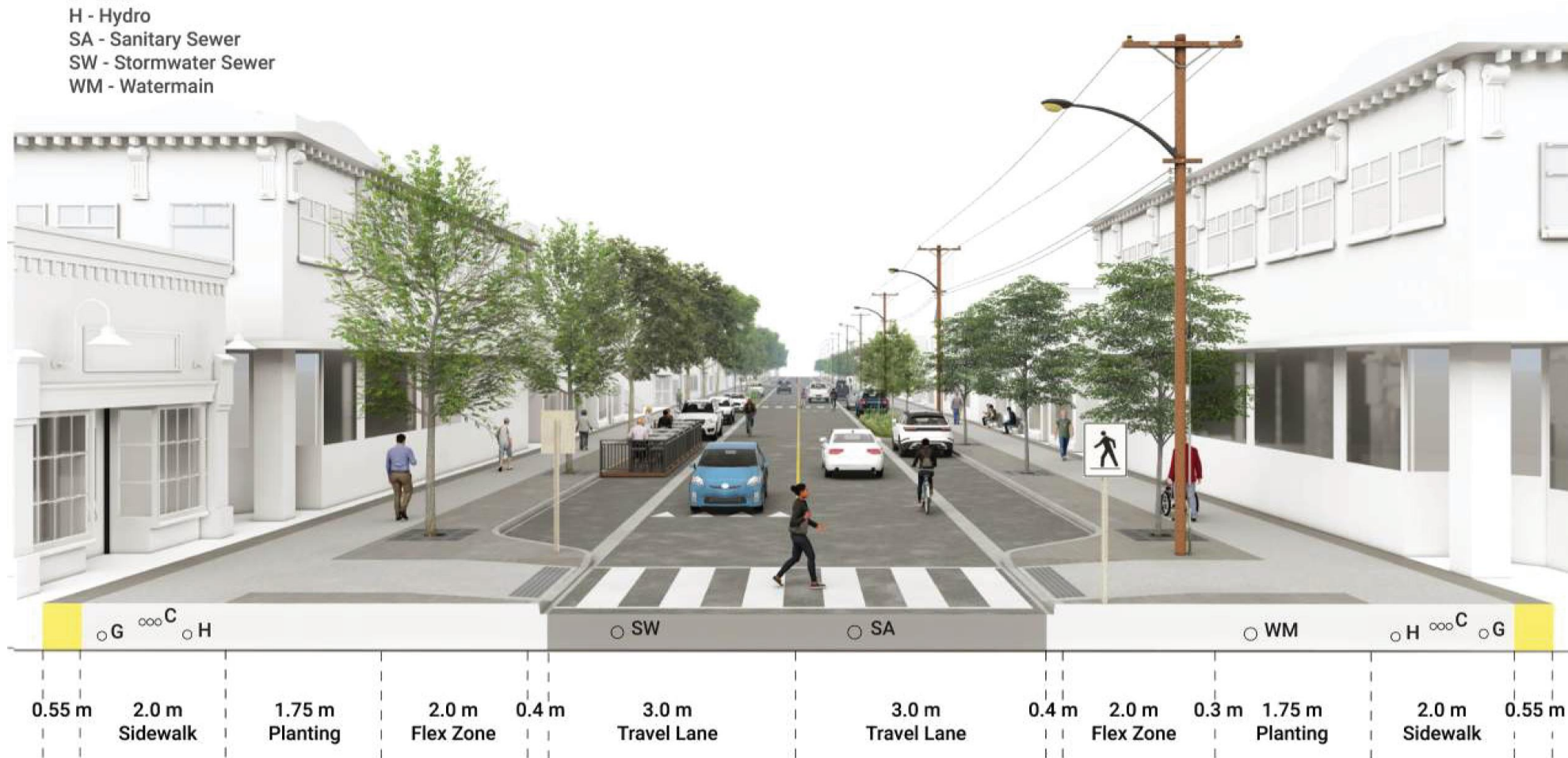
# Draft Cross-Section: Transitioning Avenues



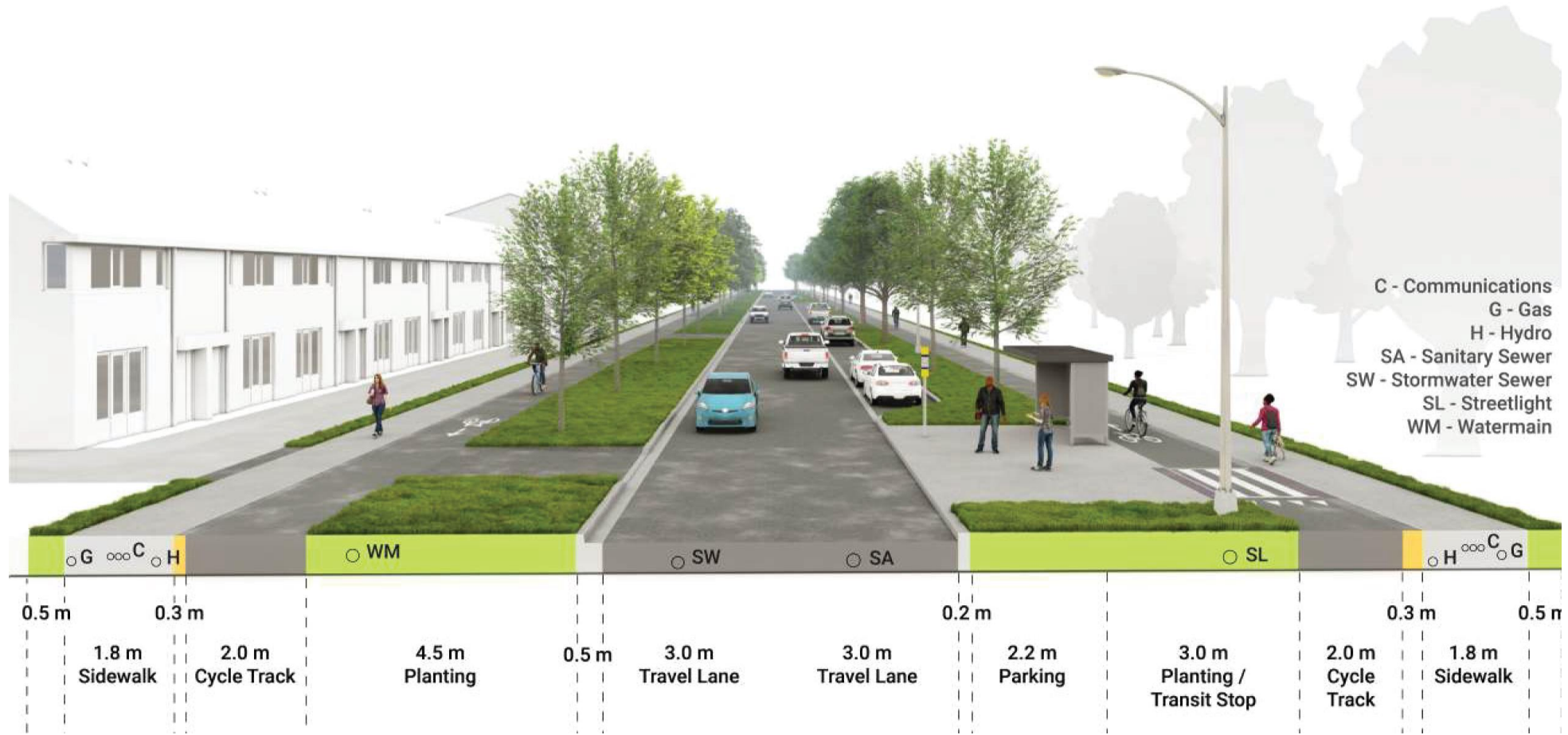


# Draft Cross-Section: Main Streets

C - Communications  
 G - Gas  
 H - Hydro  
 SA - Sanitary Sewer  
 SW - Stormwater Sewer  
 WM - Watermain



# Draft Cross-Section: Connector Streets



# Draft Cross-Section: Industrial Streets





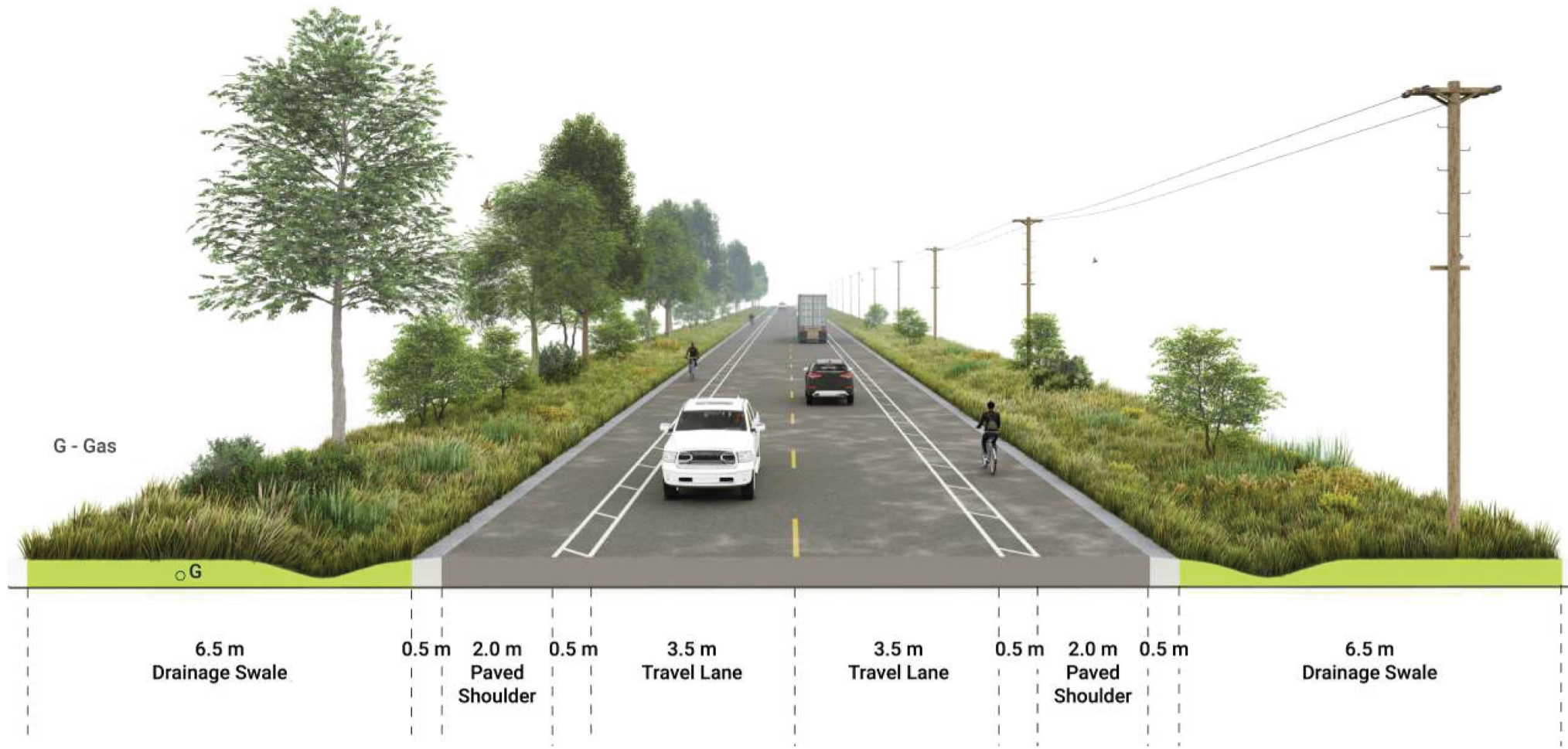
# Draft Cross-Section: Neighbourhood Streets

- C - Communications
- G - Gas
- H - Hydro
- SA - Sanitary Sewer
- SW - Stormwater Sewer
- SL - Streetlight
- WM - Watermain





# Draft Cross-Section: Rural Roads



# Draft Cross-Section: Rural Settlement Areas

C - Communications  
G - Gas  
H - Hydro  
SA - Sanitary Sewer  
SW - Stormwater Sewer  
WM - Watermain





# Low Speed Intersections



1. Tighter Corner Radii
2. Opportunities for traffic calming (e.g. raised intersections, curb extensions, traffic diverters)
3. Shared cycling street

# Compact Urban Intersections



1. Raised corner to separate cyclists and motorists
2. Smaller corner radii
3. Left turn lane stop bar setback
4. Transition to shared cycling facilities
5. Bus stop integrated with cycle track
6. Crossing distances minimized

# What We've Been Hearing

- Proposed typologies and cross-sections **reflect the intent of the Complete, Livable, Better Streets policy** well (90%+ support on each draft design).
- **Strong support** for improving multi-modal transportation options.
- Proposed cross-sections are **pragmatic** and are likely to be achieved.
- **Need to make designs flexible to adapt to area specific characteristics** (e.g. narrower right-of-way, above ground utilities, mature trees, typography).



# Connections to Development Industry

- Collective efforts are required to implement complete streets elements through development and **transform arterial and collector streets**
- **Design new neighbourhoods and employment areas** with complete streets from day one
- Complete streets **contribute to vibrant communities** where people want to live



# Next Steps

- Summer 2022: take Design Manual to Public Works Committee for endorsement.
- Begin updating various roadway design guides and manuals to reflect changes proposed in the Complete Streets Design Manual





Hamilton

THANK YOU

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