

Sandwich Street Reconstruction

WELCOME

TO THE PUBLIC INFORMATION SESSION
SEPTEMBER 3, 2020

(BNA) Bridging North America
(WDBA) Windsor-Detroit Bridge Authority



Sandwich Street Reconstruction

Purpose of Public Information Session



The purpose of this **PUBLIC INFORMATION SESSION** is to review:

Information on the Gordie Howe International Bridge and Sandwich Street Reconstruction

Active Transportation Master Plan

Proposed Bike Lanes

Comments Form

Sandwich Street Reconstruction

Information on Gordie Howe International Bridge and Sandwich Street Reconstruction



Windsor-Detroit Bridge Authority (WDBA)

- ▶ Recognizing Sandwich's role as a gateway community to Canada and in response to public consultation, **WDBA** is investing in improvements to Sandwich Street as part of the Gordie Howe International Bridge project.
- ▶ **Approximately 3 km** of Sandwich Street from the intersection of Sandwich Street and Ojibway Parkway to the Rosedale Avenue roundabout will see improvements to the current infrastructure, including **new curbs, sidewalks, trails, new pavement, bike lanes and streetscaping features**.
- ▶ Design will occur through 2020 and construction is anticipated to begin in 2021. WDBA will share design drawings with the public at a later date in 2020.

Sandwich Street Reconstruction (ATMP) Active Transportation Master Plan



THE CITY
Summary
from (ATMP) -
Walk Wheel
Windsor

The **Active Transportation Master Plan** provides a comprehensive approach to guide Windsor's progress & investments in active transportation.

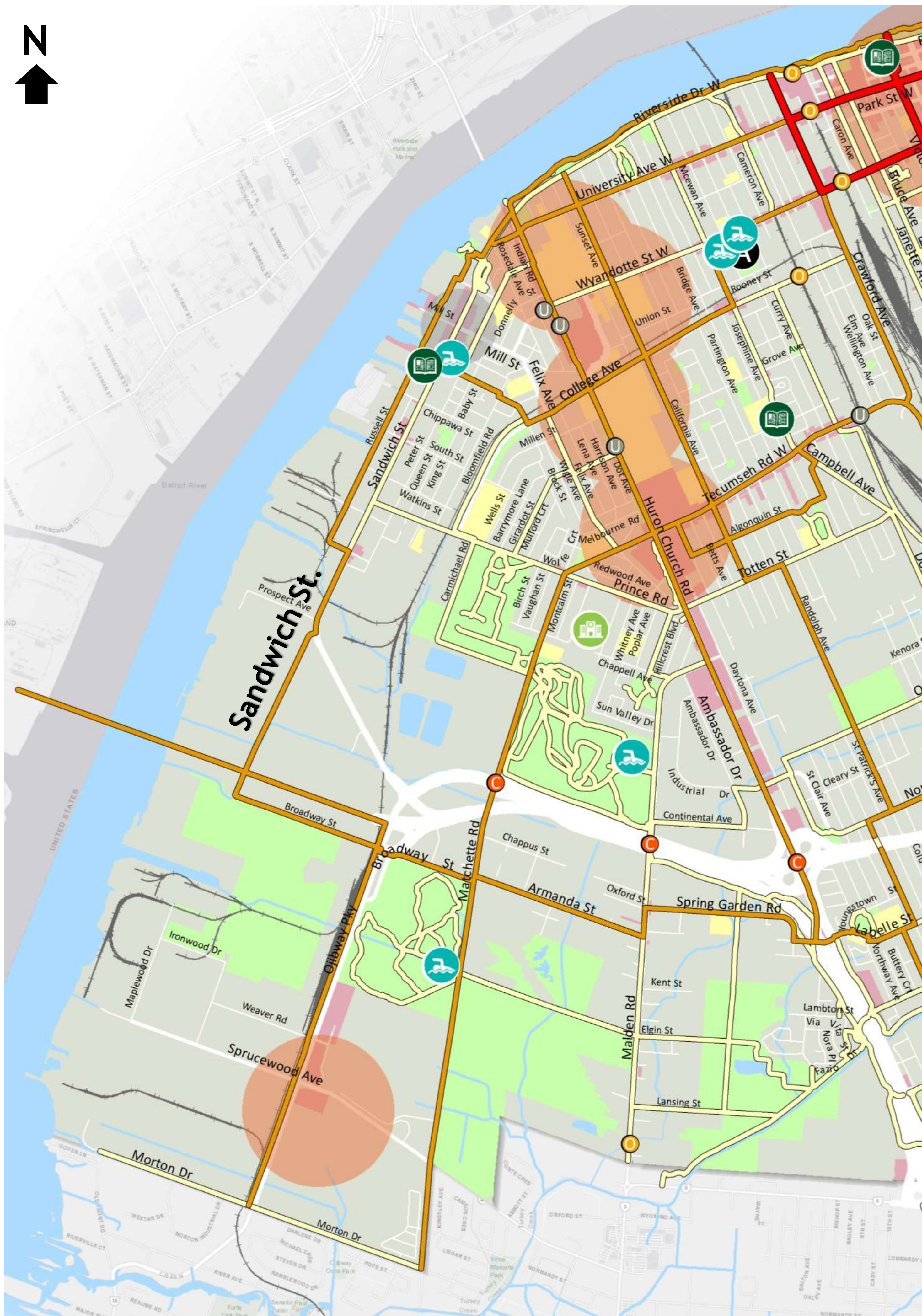
OVER THE
NEXT
20 YEARS

The Master Plan includes recommendations for improving active transportation policies, standards, infrastructure and programs over the long-term, along with priorities over the short and medium-term. The Active Transportation Master Plan will contribute to increased transportation options by **improving the accessibility, comfort, convenience and safety of active transportation.**

WALK WHEEL WINDSOR identifies a number of recommended actions.

This project is part of the following actions from the Plan:

- ▶ **Action 1A.6:** Add, preserve and enhance walkways and connections through neighbourhoods.
- ▶ **Action 1B.1:** Develop a city-wide network of bicycle facilities that is comfortable for people of all ages and abilities.
- ▶ **Action 1B.3:** Develop a Regional Spine network to provide high quality connections to downtown or from each area of the city
- ▶ **Action 1C.7:** Add, preserve, and enhance cycling connections through neighbourhoods.



Sandwich Street Reconstruction Proposed Bicycle Network - Classification Map



Proposed Bicycle Network - Classification

- Downtown Grid
- Regional Spine
- Connector

- Underpass / Overpass (13)
- Underpass (12)
- Overpass (35)

- Parks
- Schools
- Airport Lands
- Commercial Districts

- Regional Centre
- Neighbourhood Centre

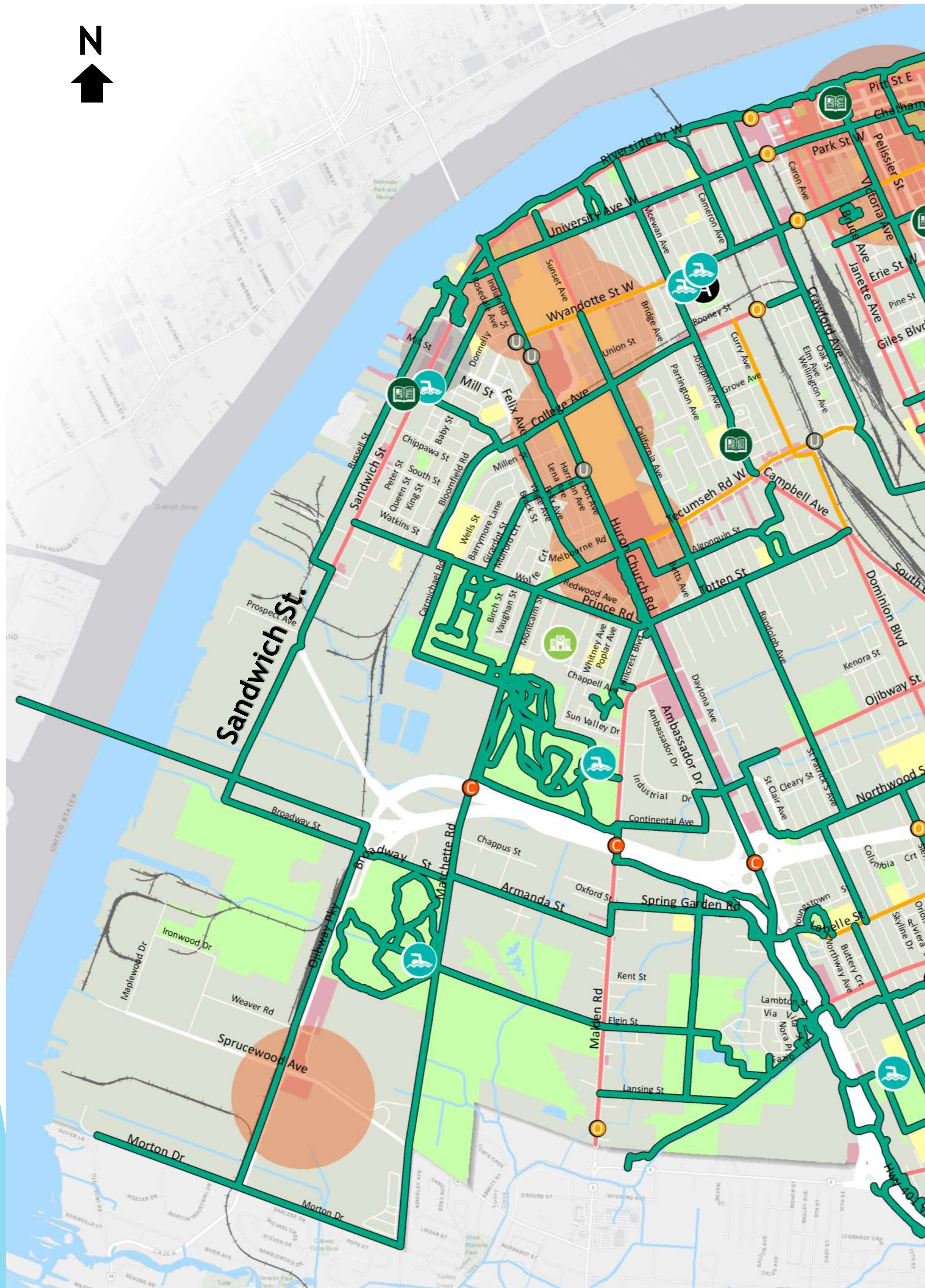
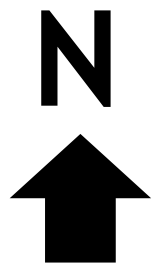
- Hospitals

- Libraries

- Community Centres

- Arenas

For more information visit:
www.windsoreas.ca



Sandwich Street Reconstruction Proposed Bicycle Network - AAA Map



Proposed Bicycle Network - AAA

AAA

Supporting

Multi-Modal Corridor

Underpass / Overpass (13)

Underpass (12)

Overpass (35)



Parks



Schools



Airport Lands



Commercial Districts



Regional Centre



Neighbourhood Centre



Hospitals



Libraries



Community Centres



Arenas

For more information visit:
www.windsoreas.ca

Sandwich Street Reconstruction

Role of Sandwich Street in the Cycling and Pedestrian Network



- The **new multi-use trail and bicycle lanes** provide an important connection in the cycling network.
- **As part of the Trans Canada Trail**, Sandwich Street is an important route for cycling tourism.
- In the short term, they **will improve the connection between Sandwich residents and shopping and services in the area**. They will also provide a better cycling connection to nearby areas where Sandwich residents work, learn, and play, such as the Riverfront Trail, employment areas, and local secondary schools and post-secondary institutions.
- In the longer term as the surrounding cycling network is built out, this project **will provide a connection to the new Gordie Howe International Bridge for cycling tourists and connection for commuters** from Sandwich and West Windsor to the employment areas along Ojibway Parkway.

South of Chappell (multi-use trail)

All Ages and
Abilities
(AAA) Route

Regional Spine

Priority:
Medium

North of Chappell (bike lanes)

Supporting
Route
(not required
to be AAA)

Connector

Priority:
Medium & Low
(varies by
block)

For more information visit:
www.windsoreas.ca

Sandwich Street Reconstruction

Proposed Bike Lanes



Ontario Traffic Manual Guidance

- ▶ Recommends **PAINTED BIKE LANES** on Sandwich Street.
Key factors in this recommendation:

- ▶ Traffic volumes and speeds
- ▶ Available right-of-way and pavement width
- ▶ The function of Sandwich Street in the cycling network



- ▶ **SANDWICH STREET from Brock Street to Chappell Street:**
Currently has parking on both sides. In order to accommodate bike lanes within the existing cross section in these blocks...

PARKING will
need to be
eliminated on
one side.

Sandwich Street Reconstruction

Proposed Bike Lanes for Sandwich Street



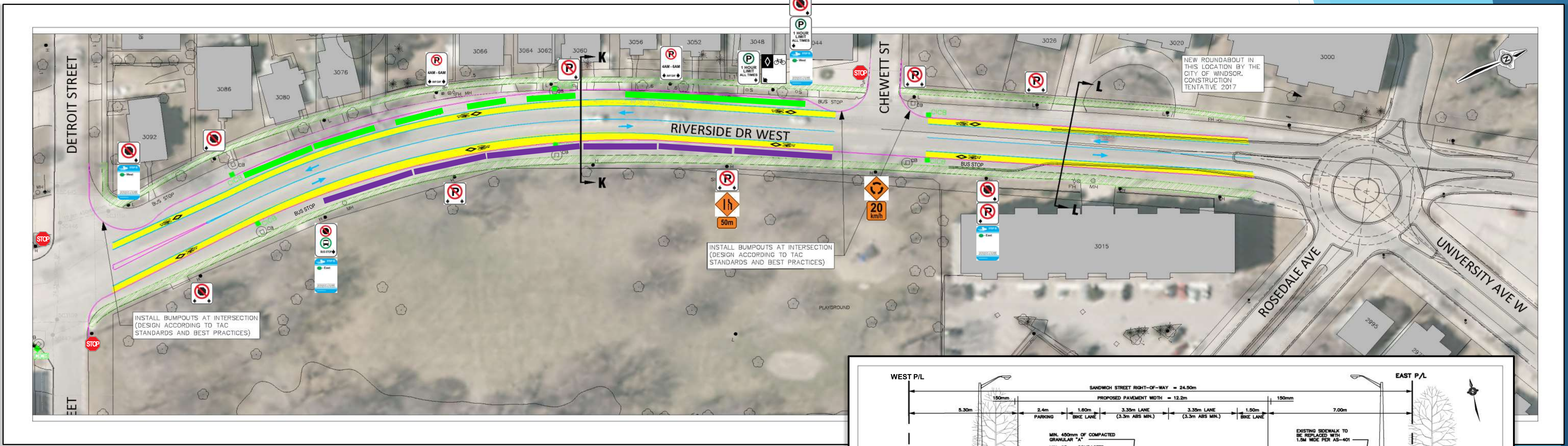
LEGEND

EXISTING PARKING TO REMAIN

EXISTING PARKING TO BE REMOVED

NO PARKING

NEW PARKING



Detroit Street to Rosedale Avenue

15 EXISTING PARKING SPOTS & 4 BUS STOPS TO REMAIN

LEGEND

L

• - LIGHT STANDARD

☁

- TREE

✱

- SHRUB

H

• - HYDRO POLE

H/L/TV

• - TV POLE WITH TELECOMMUNICATIONS

- - - - - GAS LINE

MHO

- MAINTENANCE HOLE (PRIVATE)

● - MUNICIPAL MAINTENANCE HOLE

- - - - - MUNICIPAL SEWERS (SANITARY, STORM AND COMBND)

- - - - - EXISTING CURBLINE

- - - - - PROPOSED CURBLINE

★ - STORM OUTLET

- - - - - WATER MAIN

WV

• - WATER VALVE

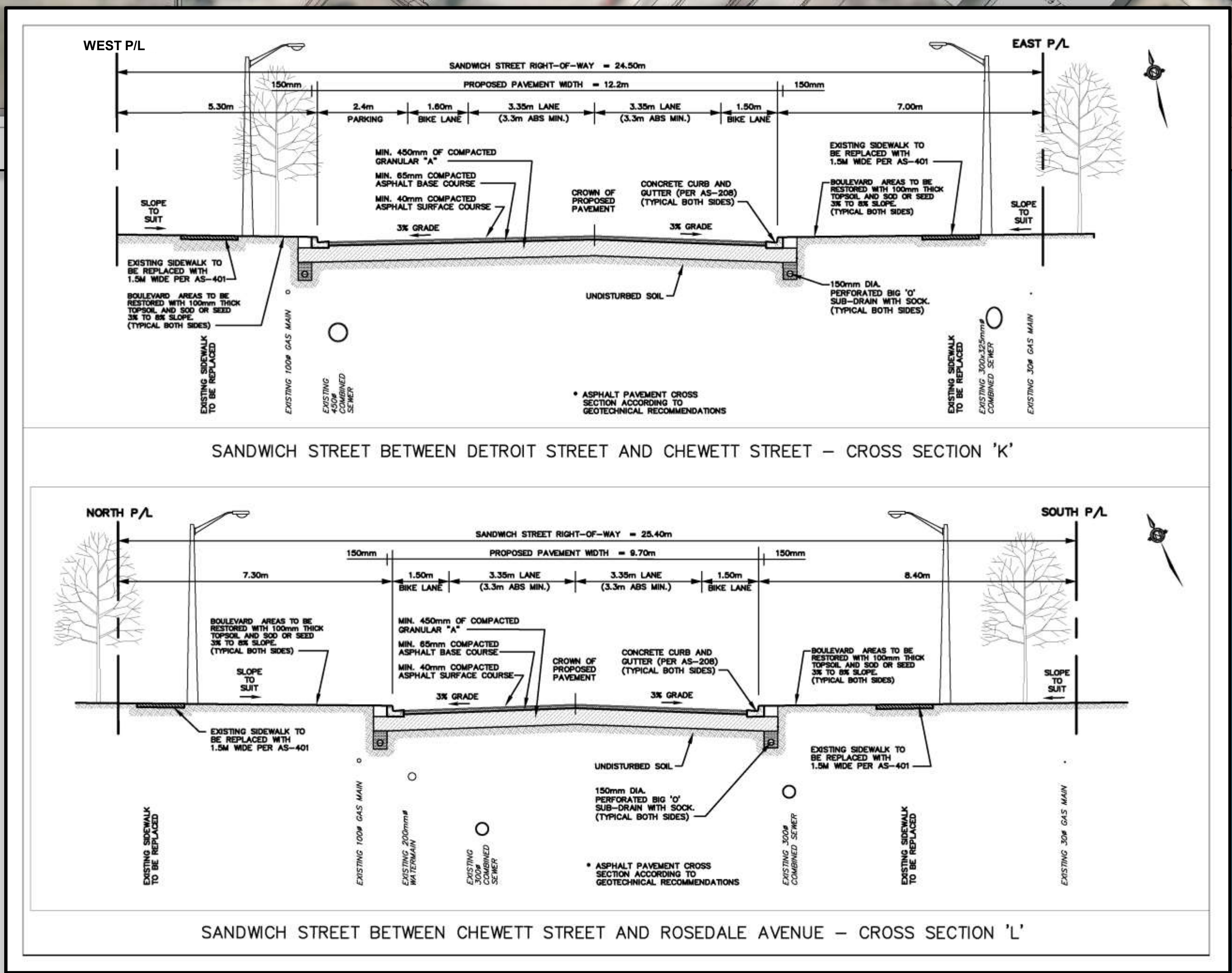
○ - FIRE HYDRANT

⊖ - EXISTING CATCHBASIN TO BE REMOVED

□ - EXISTING CATCHBASIN

CICB

- - - - - PROPOSED PAVEMENT MARKINGS

- PROPOSED BIKE LANE (1.5m)- PROPOSED BIKE LANE WITH BUFFER (2.0m)- PROPOSED SIDEWALK (1.5m)- PROPOSED MULTI-USE TRAIL (3.0m)- REMOVE & REPLACE EXISTING SIDEWALKS- REMOVE EXISTING SIDEWALKS

Sandwich Street Reconstruction

Proposed Bike Lanes for Sandwich Street



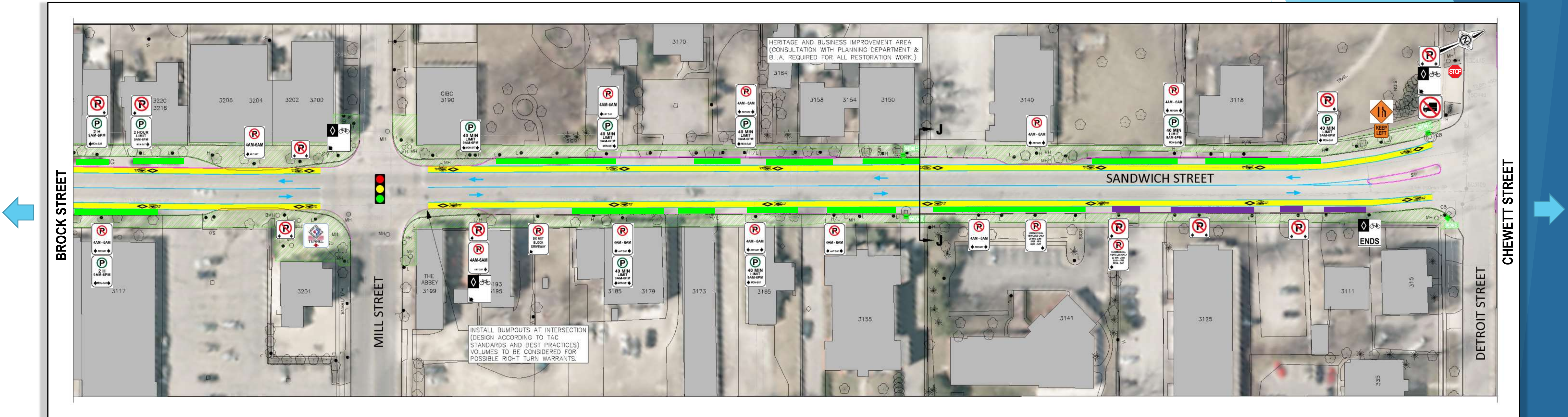
LEGEND

EXISTING PARKING TO REMAIN

EXISTING PARKING TO BE REMOVED

NO PARKING

NEW PARKING



Mill Street to Detroit Street

33 EXISTING PARKING SPOTS TO REMAIN

LEGEND

L

●

-

LIGHT STANDARD

☁

-

TREE

✱

-

SHRUB

H●

-

HYDRO POLE

H/L/TV●

-

TV POLE WITH TELECOMMUNICATIONS

-

GAS LINE

MHO

-

MAINTENANCE HOLE (PRIVATE)

●

-

MUNICIPAL MAINTENANCE HOLE

-

MUNICIPAL SEWERS (SANITARY, STORM AND COMBND)

-

EXISTING CURBLINE

-

PROPOSED CURBLINE

★

-

STORM OUTLET

-

WATER MAIN

WV●

-

WATER VALVE

○

-

FIRE HYDRANT

○

-

EXISTING CATCHBASIN TO BE REMOVED

□

-

EXISTING CATCHBASIN

CICB

-

PROPOSED CURB INLET CATCHBASIN

-

PROPOSED PAVEMENT MARKINGS

-

PROPOSED BIKE LANE (1.5m)

-

PROPOSED BIKE LANE WITH BUFFER (2.0m)

-

PROPOSED SIDEWALK (1.5m)

-

PROPOSED MULTI-USE TRAIL (3.0m)

-

REMOVE & REPLACE EXISTING SIDEWALKS

-

REMOVE EXISTING SIDEWALKS

Sandwich Street Reconstruction

Proposed Bike Lanes for Sandwich Street



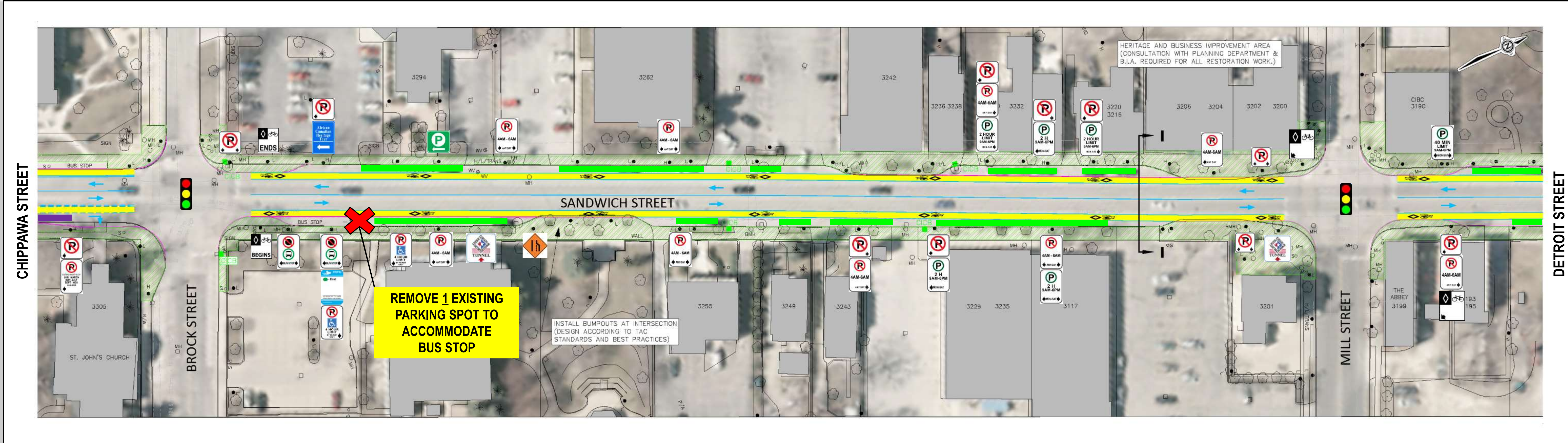
LEGEND

EXISTING PARKING TO REMAIN

EXISTING PARKING TO BE REMOVED

NO PARKING

NEW PARKING



Brock Street to Mill Street

35 - 1 = 34 EXISTING PARKING SPOTS & 1 EXISTING BUS STOP TO REMAIN

LEGEND

L ●

 - LIGHT STANDARD

☁

 - TREE

✱

 - SHRUB

H ●

 - HYDRO POLE

H/L/TV ●

 - TV POLE WITH TELECOMMUNICATIONS

 - GAS LINE

MHO

 - MAINTENANCE HOLE (PRIVATE)

●

 - MUNICIPAL MAINTENANCE HOLE

 - MUNICIPAL SEWERS (SANITARY, STORM AND COMBND)

 - EXISTING CURBLINE

 - PROPOSED CURBLINE

★

 - STORM OUTLET

 - WATER MAIN

WV ●

 - WATER VALVE

○

 - FIRE HYDRANT

□

 - EXISTING CATCHBASIN TO BE REMOVED

□

 - EXISTING CATCHBASIN

CICB ■

 - PROPOSED CURB INLET CATCHBASIN

 - PROPOSED PAVEMENT MARKINGS

 - PROPOSED BIKE LANE (1.5m)

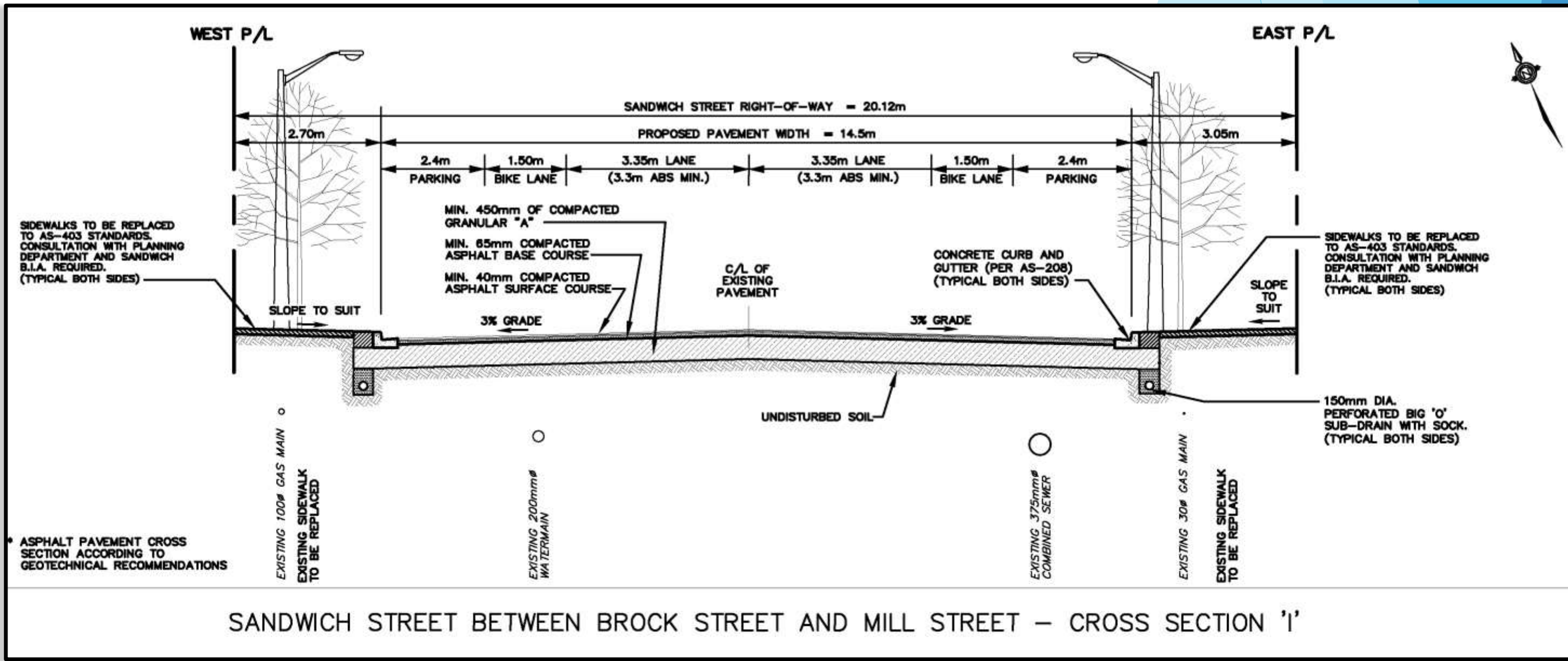
 - PROPOSED BIKE LANE WITH BUFFER (2.0m)

 - PROPOSED SIDEWALK (1.5m)

 - PROPOSED MULTI-USE TRAIL (3.0m)

 - REMOVE & REPLACE EXISTING SIDEWALKS

 - REMOVE EXISTING SIDEWALKS



Sandwich Street Reconstruction

Proposed Bike Lanes for Sandwich Street



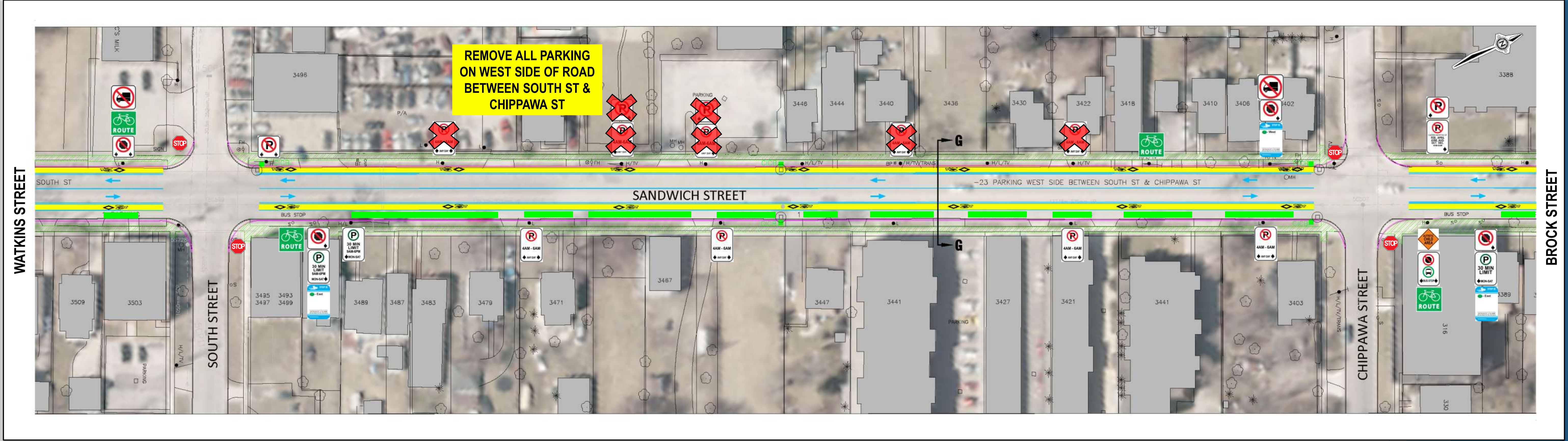
LEGEND

EXISTING PARKING TO REMAIN

EXISTING PARKING TO BE REMOVED

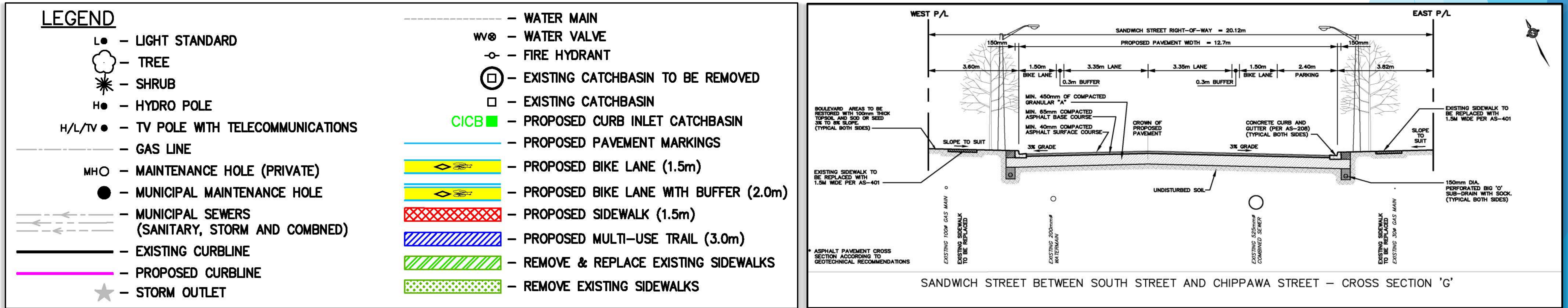
NO PARKING

NEW PARKING



South Street to Chippawa Street

46 - 23 = 23 EXISTING PARKING SPOTS & 2 EXISTING BUS STOPS TO REMAIN



WEST P/L

EAST P/L

SANDWICH STREET RIGHT-OF-WAY = 20.12m

PROPOSED PAVEMENT WIDTH = 12.7m

150mm

3.60m

1.50m

3.35m

3.35m

1.50m

2.40m

3.62m

0.3m

0.3m

BIKE LANE

BIKE LANE

PARKING

MIN. 450mm OF COMPACTED GRANULAR "A"

MIN. 85mm COMPACTED ASPHALT BASE COURSE

MIN. 40mm COMPACTED ASPHALT SURFACE COURSE

CROWN OF PROPOSED PAVEMENT

3% GRADE

3% GRADE

CONCRETE CURB AND GUTTER (PER AS-208) (TYPICAL BOTH SIDES)

SLOPE TO SUIT

SLOPE TO SUIT

EXISTING SIDEWALK TO BE REPLACED WITH 1.5M WIDE PER AS-401

EXISTING SIDEWALK TO BE REPLACED WITH 1.5M WIDE PER AS-401

UNDISTURBED SOIL

EXISTING 100mm GAS MAIN

EXISTING 200mm WATER MAIN

EXISTING 825mm COMBINED SEWER

EXISTING 300mm GAS MAIN

150mm DIA. PERFORATED BIG "O" SUB-DRAIN WITH SOCK. (TYPICAL BOTH SIDES)

EXISTING SIDEWALK TO BE REPLACED WITH 1.5M WIDE PER AS-401

EXISTING SIDEWALK TO BE REPLACED WITH 1.5M WIDE PER AS-401

ASPHALT PAVEMENT CROSS SECTION ACCORDING TO GEOTECHNICAL RECOMMENDATIONS

SANDWICH STREET BETWEEN SOUTH STREET AND CHIPPAWA STREET - CROSS SECTION 'G'

Sandwich Street Reconstruction

Proposed Bike Lanes for Sandwich Street



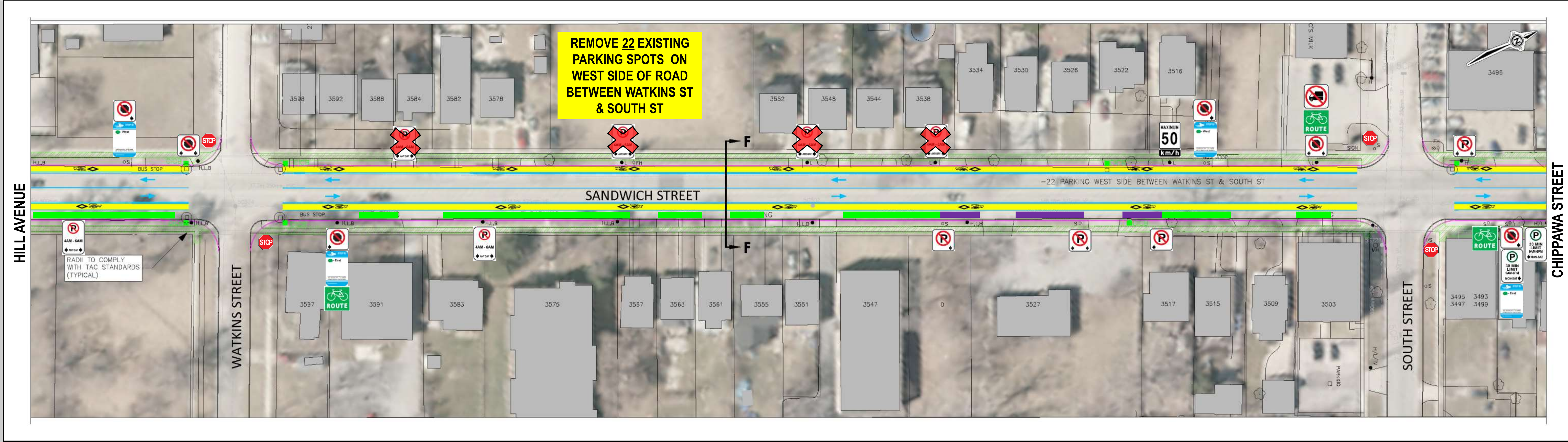
LEGEND

EXISTING PARKING TO REMAIN

EXISTING PARKING TO BE REMOVED

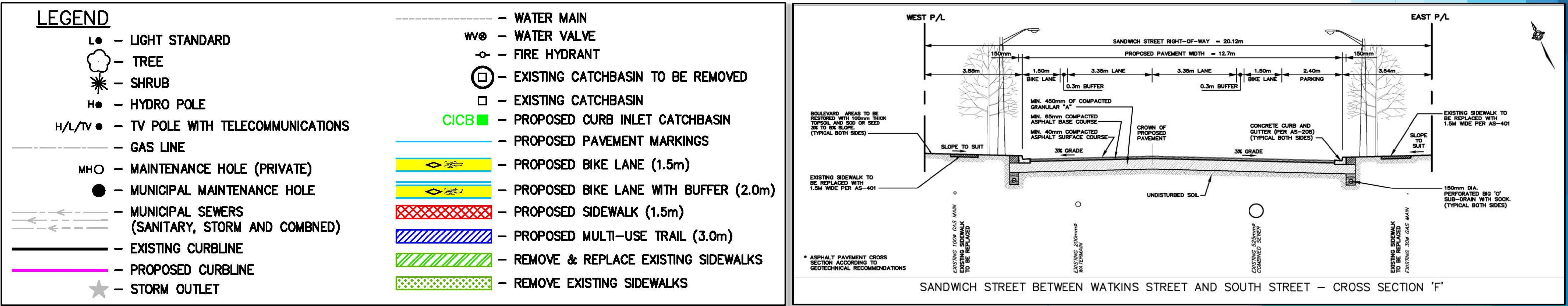
NO PARKING

NEW PARKING



Watkins Street to South Street

41 - 22 = 19 EXISTING PARKING SPOTS & 2 BUS STOPS TO REMAIN



WEST P/L

EAST P/L

SANDWICH STREET RIGHT-OF-WAY = 20.12m

PROPOSED PAVEMENT WIDTH = 12.7m

3.88m

1.50m

3.35m

3.35m

1.50m

2.40m

3.54m

BIKE LANE

0.3m BUFFER

BIKE LANE

PARKING

MIN. 450mm OF COMPACTED GRANULAR "A"

MIN. 65mm COMPACTED ASPHALT BASE COURSE

MIN. 40mm COMPACTED ASPHALT SURFACE COURSE

3% GRADE

CROWN OF PROPOSED PAVEMENT

CONCRETE CURB AND GUTTER (PER AS-208) (TYPICAL BOTH SIDES)

EXISTING SIDEWALK TO BE REPLACED WITH 1.5M WIDE PER AS-401

150mm DIA. PERFORATED BIG "O" SUB-DRAIN WITH SOCK. (TYPICAL BOTH SIDES)

EXISTING SIDEWALK TO BE REPLACED WITH 1.5M WIDE PER AS-401

EXISTING SIDEWALK TO BE REPLACED

EXISTING SIDEWALK TO BE REPLACED

EXISTING SIDEWALK TO BE REPLACED

UNDISTURBED SOIL

EXISTING 100mm GAS MAIN

EXISTING 200mm WATER MAIN

EXISTING 600mm COMBINED SEWER

EXISTING 300mm GAS MAIN

* ASPHALT PAVEMENT CROSS SECTION ACCORDING TO GEOTECHNICAL RECOMMENDATIONS

SANDWICH STREET BETWEEN WATKINS STREET AND SOUTH STREET - CROSS SECTION 'F'

Sandwich Street Reconstruction

Proposed Bike Lanes for Sandwich Street



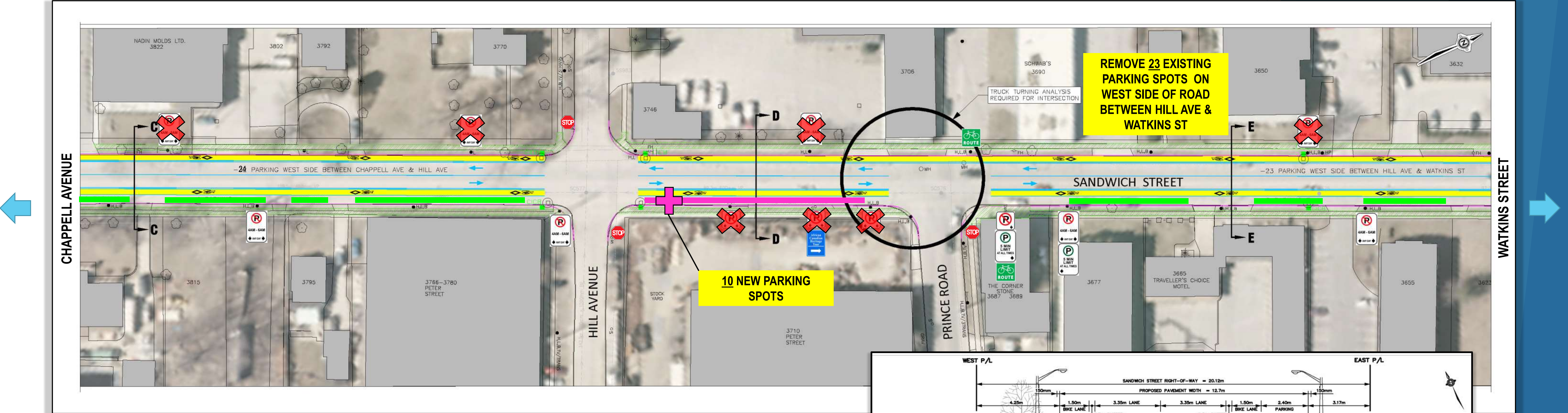
LEGEND

EXISTING PARKING TO REMAIN

EXISTING PARKING TO BE REMOVED

NO PARKING

NEW PARKING



Hill Avenue to Watkins Street

39 – 23 = 16 EXISTING PARKING SPOTS, 1 EXISTING BUS STOP TO REMAIN
& 10 NEW PARKING SPOTS ADDED

LEGEND

L •

 – LIGHT STANDARD

☁

 – TREE

✱

 – SHRUB

H •

 – HYDRO POLE

H/L/TV •

 – TV POLE WITH TELECOMMUNICATIONS

 – GAS LINE

MHO

 – MAINTENANCE HOLE (PRIVATE)

●

 – MUNICIPAL MAINTENANCE HOLE

 – MUNICIPAL SEWERS (SANITARY, STORM AND COMBND)

 – EXISTING CURBLINE

 – PROPOSED CURBLINE

★

 – STORM OUTLET

 – WATER MAIN

WV •

 – WATER VALVE

○

 – FIRE HYDRANT

⊖

 – EXISTING CATCHBASIN TO BE REMOVED

□

 – EXISTING CATCHBASIN

CICB ■

 – PROPOSED CURB INLET CATCHBASIN

 – PROPOSED PAVEMENT MARKINGS

 – PROPOSED BIKE LANE (1.5m)

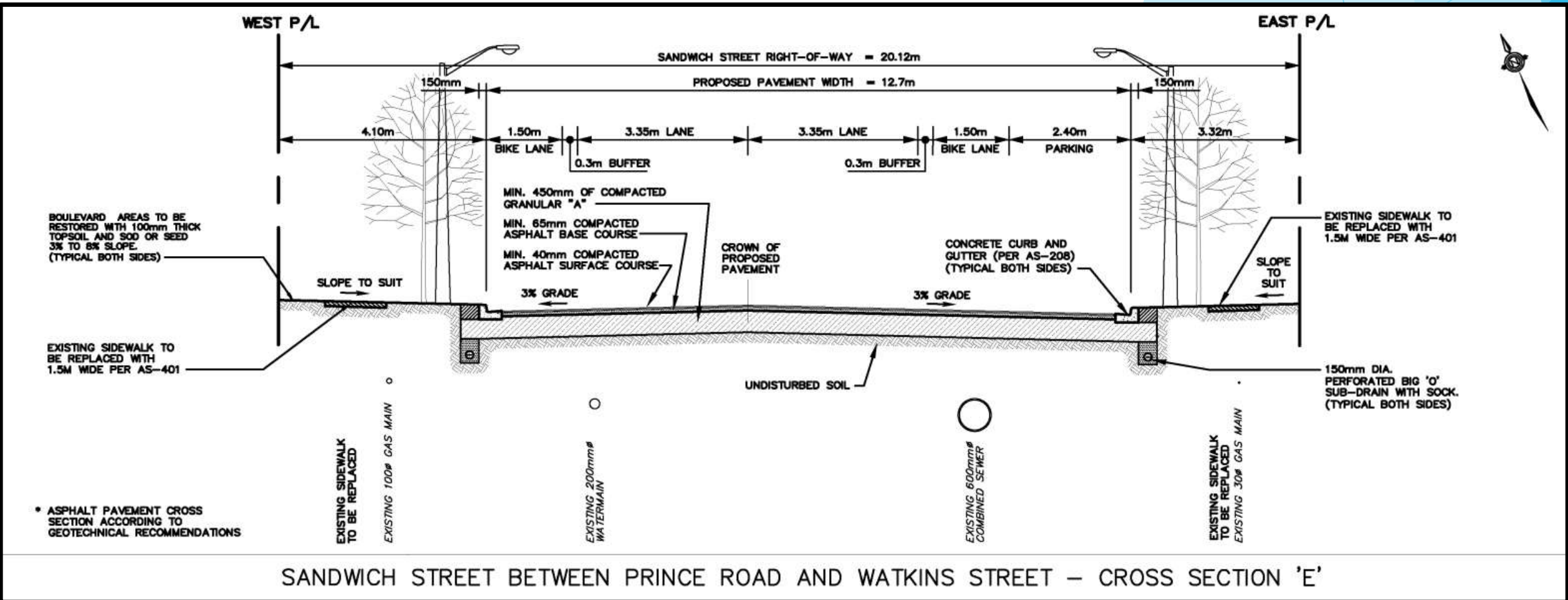
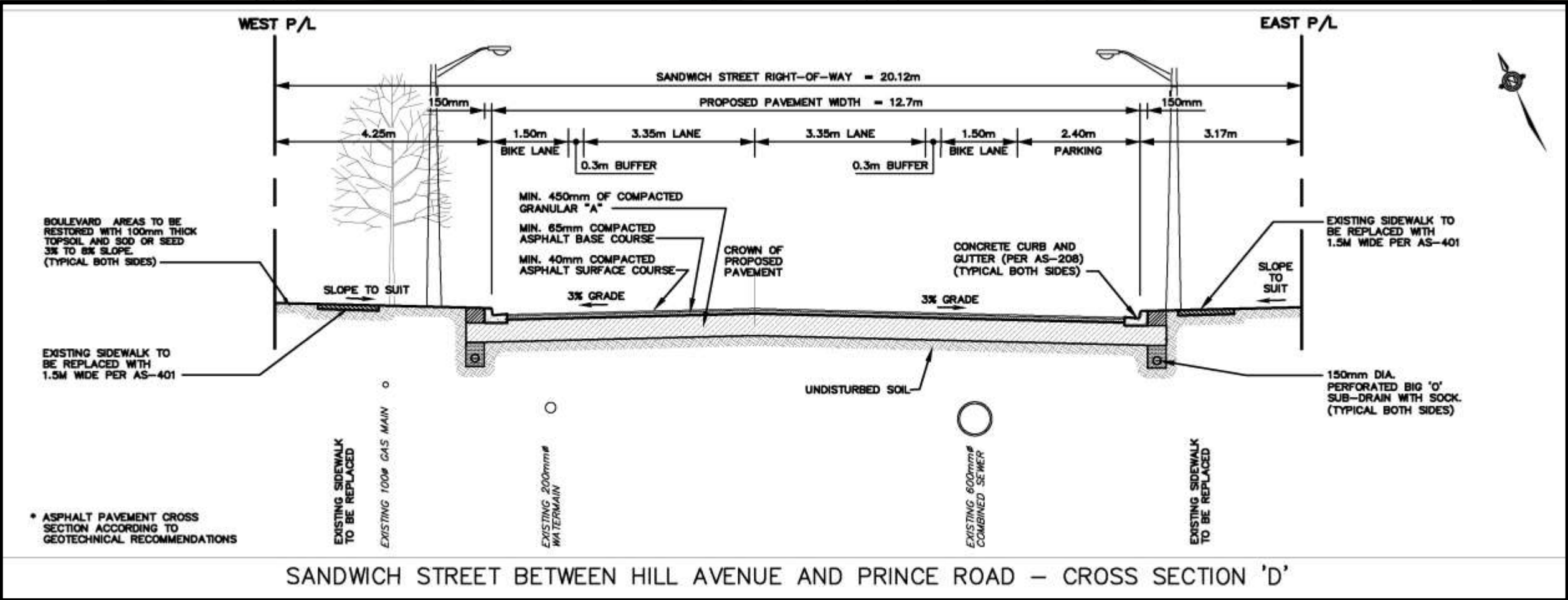
 – PROPOSED BIKE LANE WITH BUFFER (2.0m)

 – PROPOSED SIDEWALK (1.5m)

 – PROPOSED MULTI-USE TRAIL (3.0m)

 – REMOVE & REPLACE EXISTING SIDEWALKS

 – REMOVE EXISTING SIDEWALKS



Sandwich Street Reconstruction

Proposed Bike Lanes & Multi-use Trails for Sandwich Street



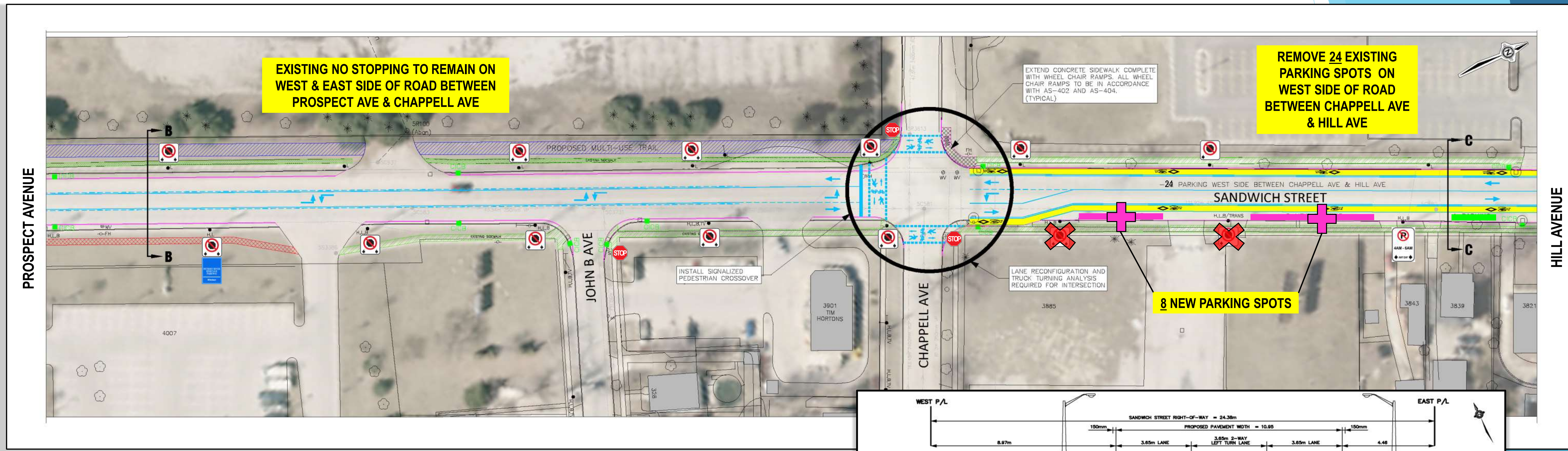
LEGEND

EXISTING PARKING TO REMAIN

EXISTING PARKING TO BE REMOVED

NO PARKING

NEW PARKING



Chappell Avenue and Hill Avenue

39 – 24 = 15 EXISTING PARKING SPOTS TO REMAIN & 8 NEW PARKING SPOTS ADDED

LEGEND

L ●

 - LIGHT STANDARD

☼

 - TREE

✱

 - SHRUB

H ●

 - HYDRO POLE

H/L/TV ●

 - TV POLE WITH TELECOMMUNICATIONS

 - GAS LINE

MHO

 - MAINTENANCE HOLE (PRIVATE)

●

 - MUNICIPAL MAINTENANCE HOLE

 - MUNICIPAL SEWERS (SANITARY, STORM AND COMBND)

 - EXISTING CURBLINE

 - PROPOSED CURBLINE

★

 - STORM OUTLET

 - WATER MAIN

WV ●

 - WATER VALVE

○

 - FIRE HYDRANT

□

 - EXISTING CATCHBASIN TO BE REMOVED

□

 - EXISTING CATCHBASIN

CICB ■

 - PROPOSED CURB INLET CATCHBASIN

 - PROPOSED PAVEMENT MARKINGS

 - PROPOSED BIKE LANE (1.5m)

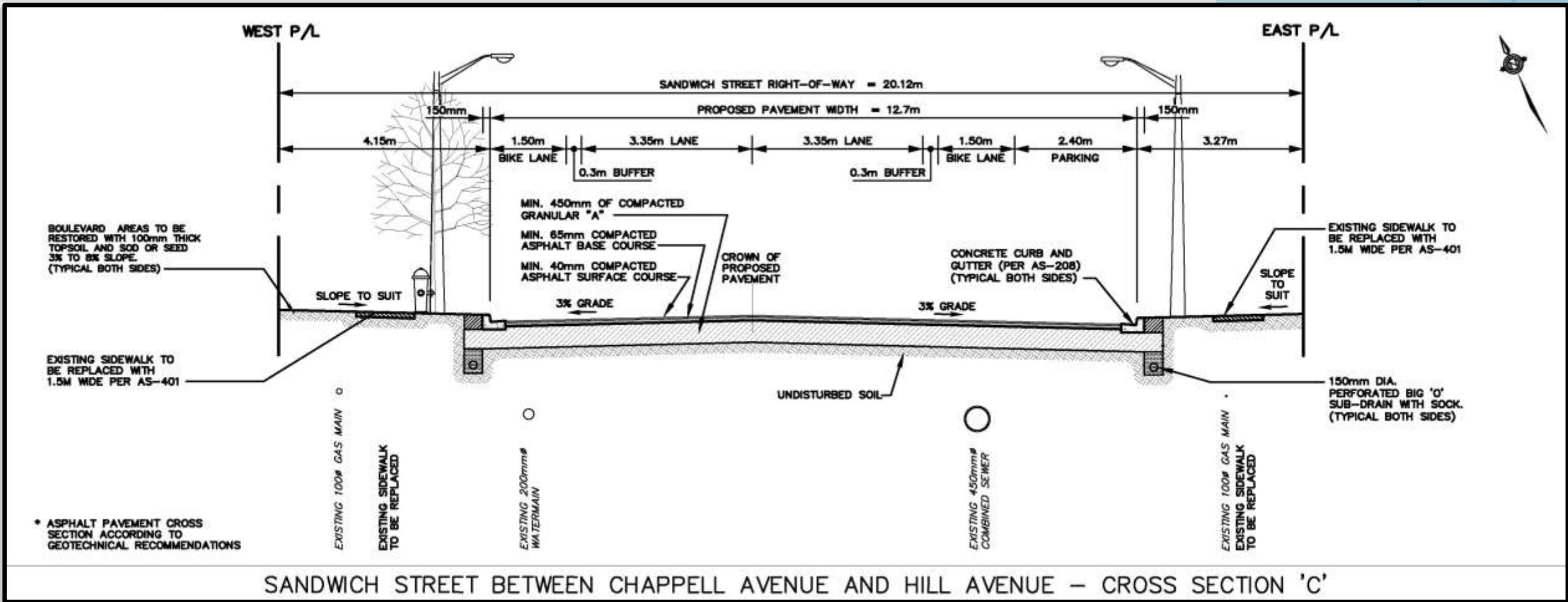
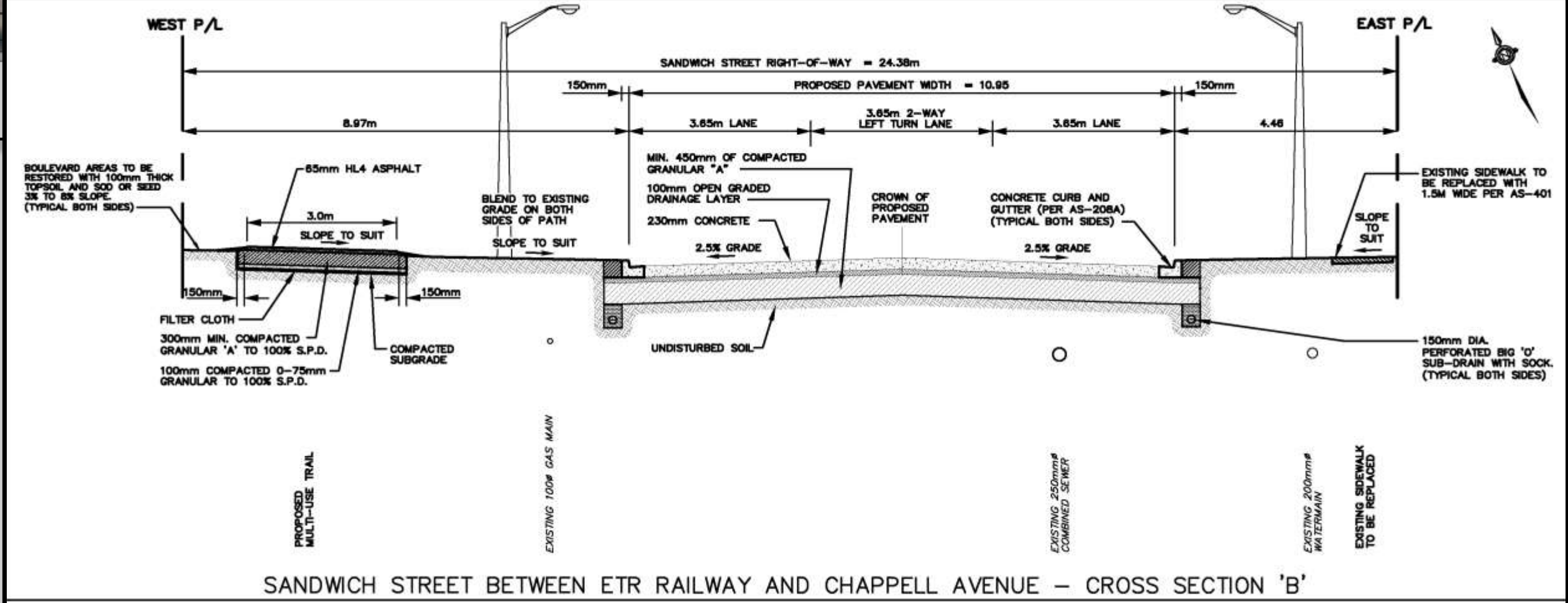
 - PROPOSED BIKE LANE WITH BUFFER (2.0m)

 - PROPOSED SIDEWALK (1.5m)

 - PROPOSED MULTI-USE TRAIL (3.0m)

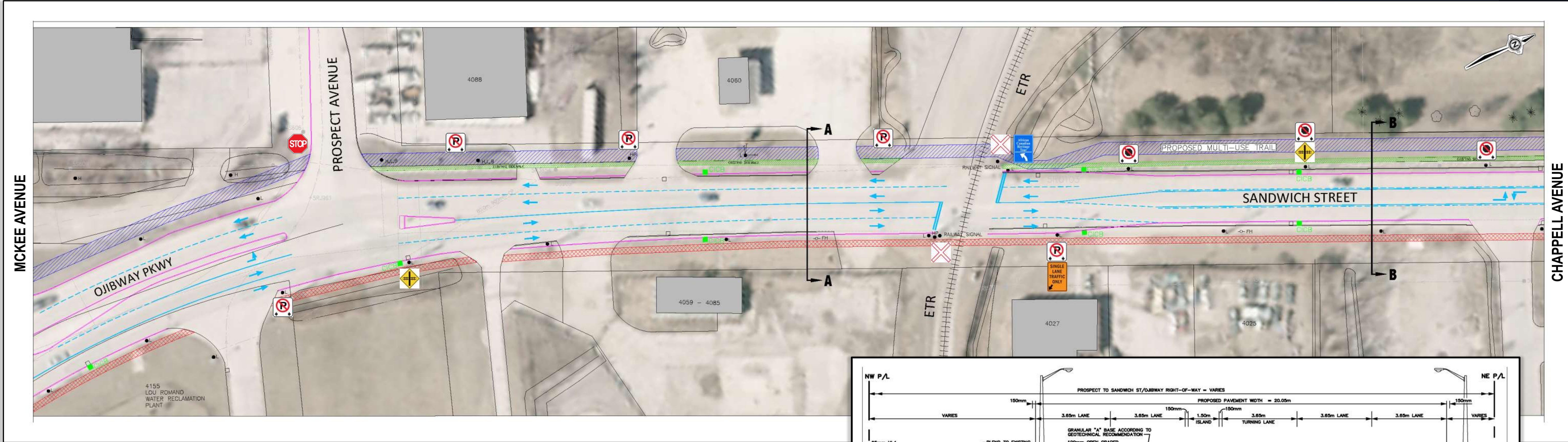
 - REMOVE & REPLACE EXISTING SIDEWALKS

 - REMOVE EXISTING SIDEWALKS



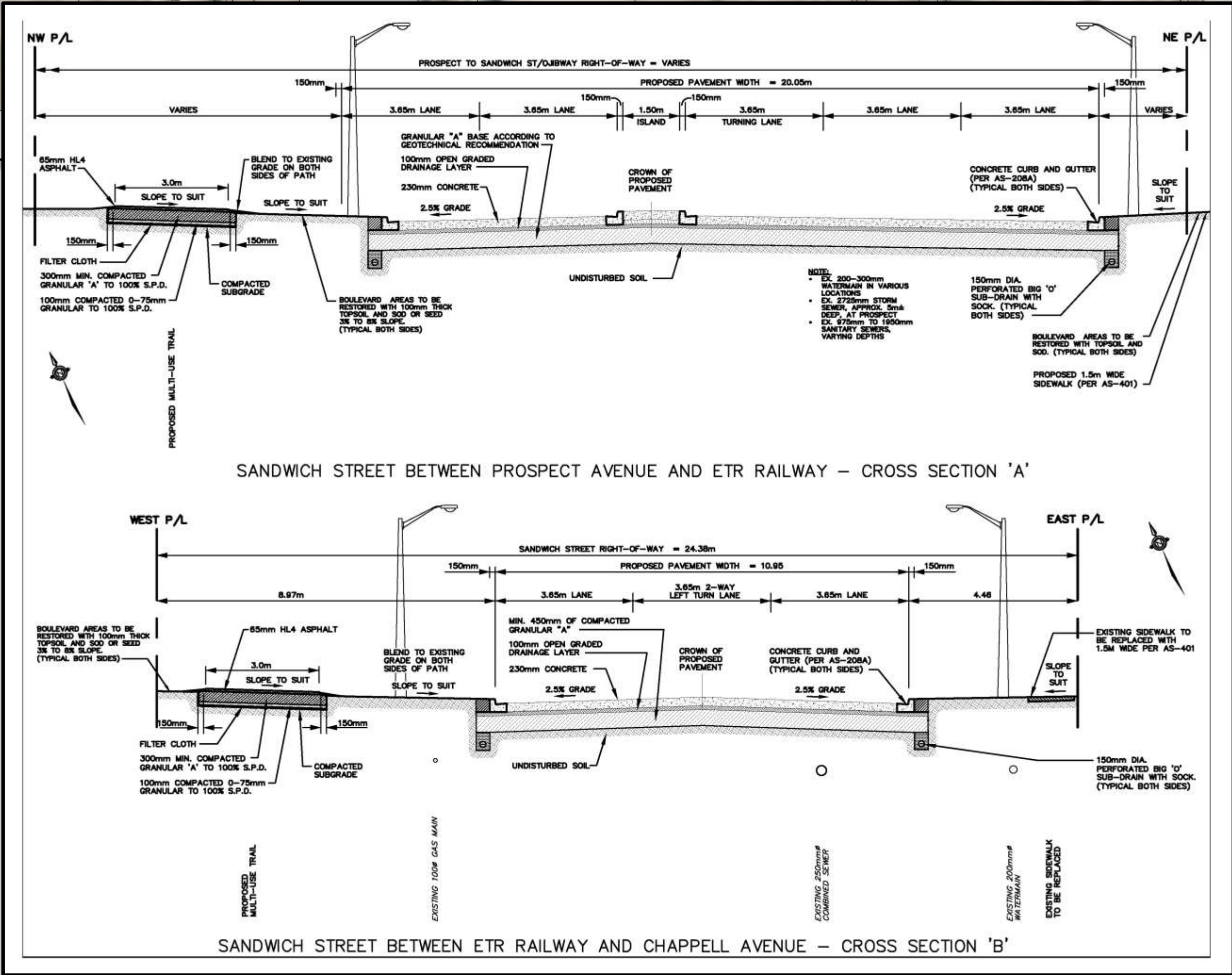
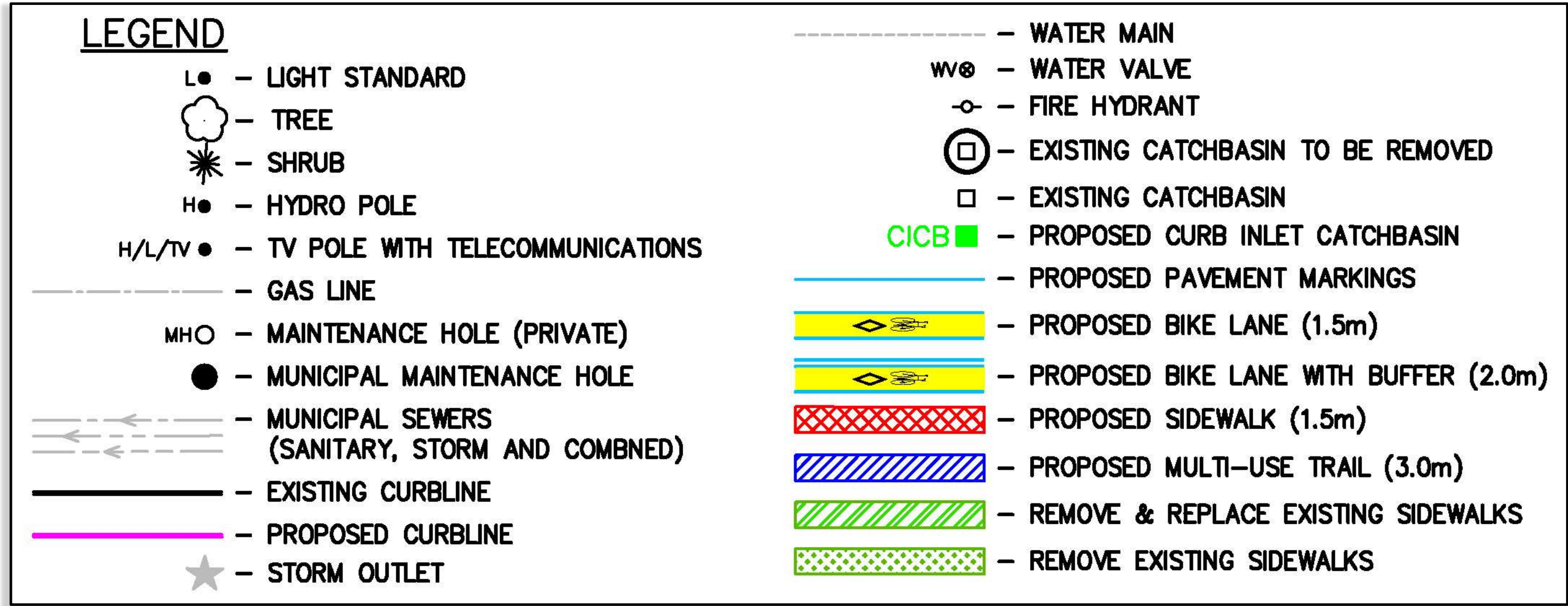
Sandwich Street Reconstruction

Proposed Multi-use Trails for Sandwich Street



Prospect Avenue to Chappell Avenue

NO EXISTING OR PROPOSED PARKING SPOTS IN THIS AREA



Sandwich Street Reconstruction

Proposed Multi-use Trails for Sandwich Street



McKee Avenue to Prospect Avenue

NO EXISTING OR PROPOSED PARKING SPOTS IN THIS AREA

LEGEND

- L • - LIGHT STANDARD
- ☼ - TREE
- ✱ - SHRUB
- H • - HYDRO POLE
- H/L/TV • - TV POLE WITH TELECOMMUNICATIONS
- - - - - GAS LINE
- MHO - MAINTENANCE HOLE (PRIVATE)
- - MUNICIPAL MAINTENANCE HOLE
- - - - - MUNICIPAL SEWERS (SANITARY, STORM AND COMBND)
- - - - - EXISTING CURBLINE
- - - - - PROPOSED CURBLINE
- ★ - STORM OUTLET

- - - - - WATER MAIN
- WV • - WATER VALVE
- ⊙ - FIRE HYDRANT
- ⊠ - EXISTING CATCHBASIN TO BE REMOVED
- - EXISTING CATCHBASIN
- CICB ■ - PROPOSED CURB INLET CATCHBASIN
- - - - - PROPOSED PAVEMENT MARKINGS
- ▨ - PROPOSED BIKE LANE (1.5m)
- ▨ - PROPOSED BIKE LANE WITH BUFFER (2.0m)
- ▨ - PROPOSED SIDEWALK (1.5m)
- ▨ - PROPOSED MULTI-USE TRAIL (3.0m)
- ▨ - REMOVE & REPLACE EXISTING SIDEWALKS
- ▨ - REMOVE EXISTING SIDEWALKS

Sandwich Street Reconstruction

Notification Process for On-Street Parking Changes



Sandwich Street Reconstruction

Contact Information and Next Steps



NEXT STEPS

- ▶ Gather Community Input and make Recommendations to the Environment Transportation & Public Safety Committee for Consideration and to Council for Decision.

YOUR OPINION IS VALUABLE TO US!

We encourage you to provide your comments by, 'Filling Out The Comment Sheet'.

If you need more information, please feel free to email, write or call us:

Joseph Dattilo

Project Administrator
Engineering - Corporate Projects

The City of Windsor
400 City Hall Square East, 404B
Windsor, ON N9A 7K6
Ph: 519-255-6100 ext. 6825
Email: jdattilo@citywindsor.ca

THANK YOU FOR YOUR PARTICIPATION

For more information visit:
www.windsoreas.ca