

WASHINGTON AVENUE STREETScape, INTERSECTION, AND SIGNAL DESIGN PROJECT



**SECOND PUBLIC MEETING – REVIEW OF PRELIMINARY DESIGN
OCTOBER 3, 2018**

CITY STAFF AND DESIGN TEAM

- City of Portland
- Ransom Consulting, Inc. – Lead Designer/Civil Engineer
- Mitchell and Associates – Streetscape and Landscape Design
- T.Y. Lin International – Traffic and Transportation Engineer
- Titcomb and Associates – Surveyor

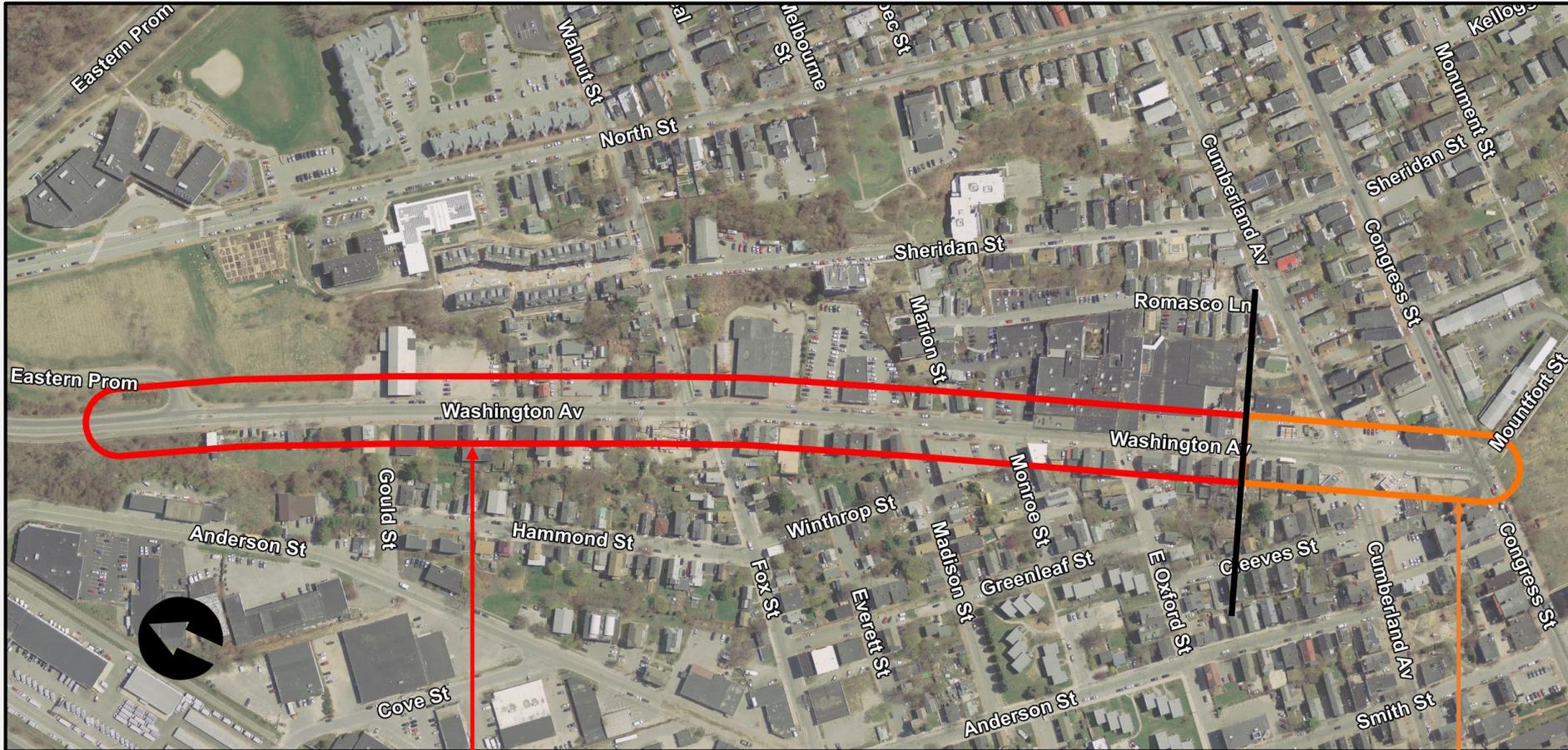


PRESENTATION OUTLINE

- **Project Background**
- **Proposed Improvements**
- **Open Q&A (5 – 10 Minutes)**
- **Breakout Tables for Discussion Topics:**
 - **Parking and Transit Accommodations**
John Peverada (City of Portland) & John Mahoney (Ransom)
 - **Bicycle and Pedestrian Accommodations**
Tom Nosal (Ransom)
 - **Motor Vehicles - Jeremiah Bartlett (City of Portland)**
 - **Streetscape/Lighting – Bob Metcalf and Julia Frederick (Mitchell and Assoc.)**



PROJECT BACKGROUND



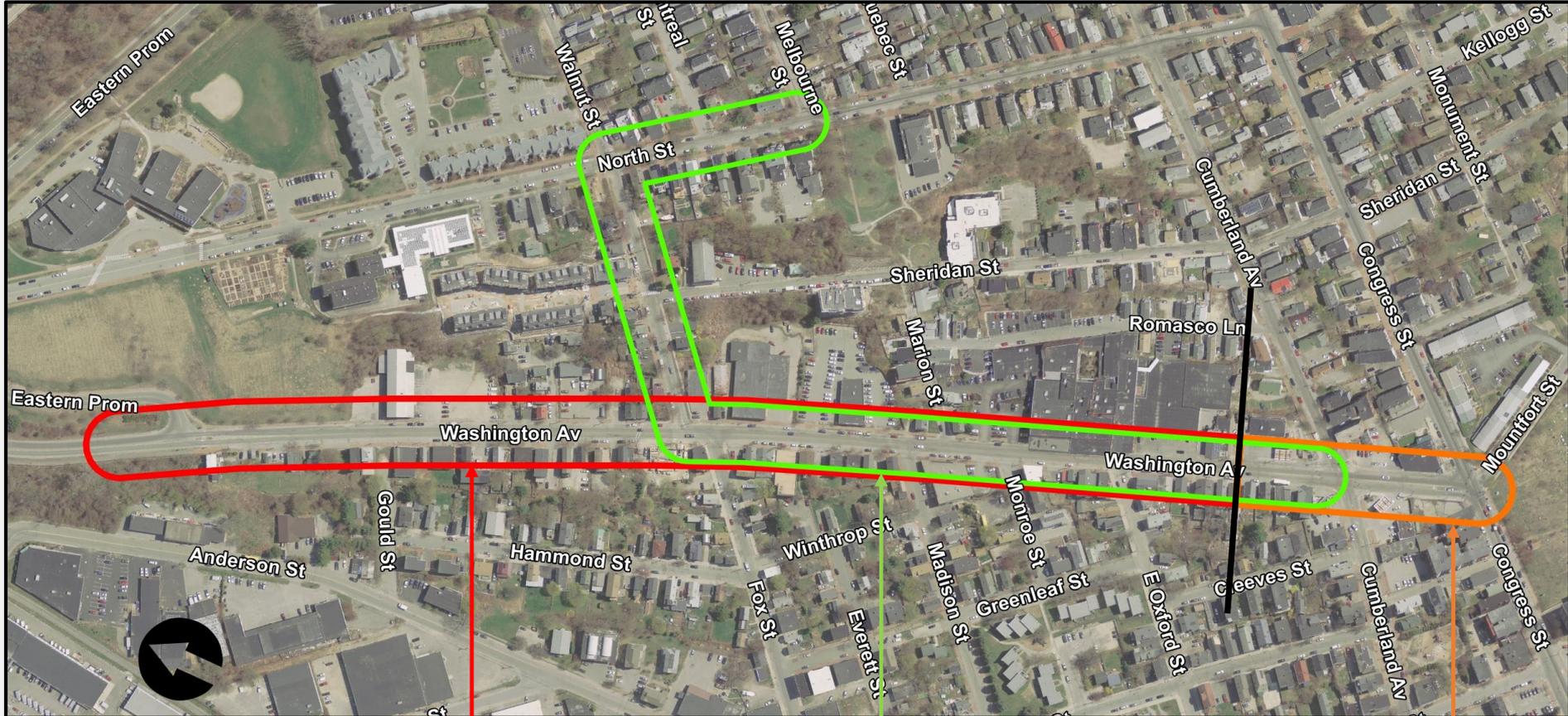
Phase II: City-Funded Street/Streetscape Treatments

(Implemented as funding allows and/or in conjunction with development, other projects)

Phase I: PACTS/City-Funded Street/Streetscape & Signal Treatments

**(WIN # 022134.00)
(~ 2020 – 2021 Construction)**

PROJECT BACKGROUND



Phase II: City-Funded Street/Streetscape Treatments

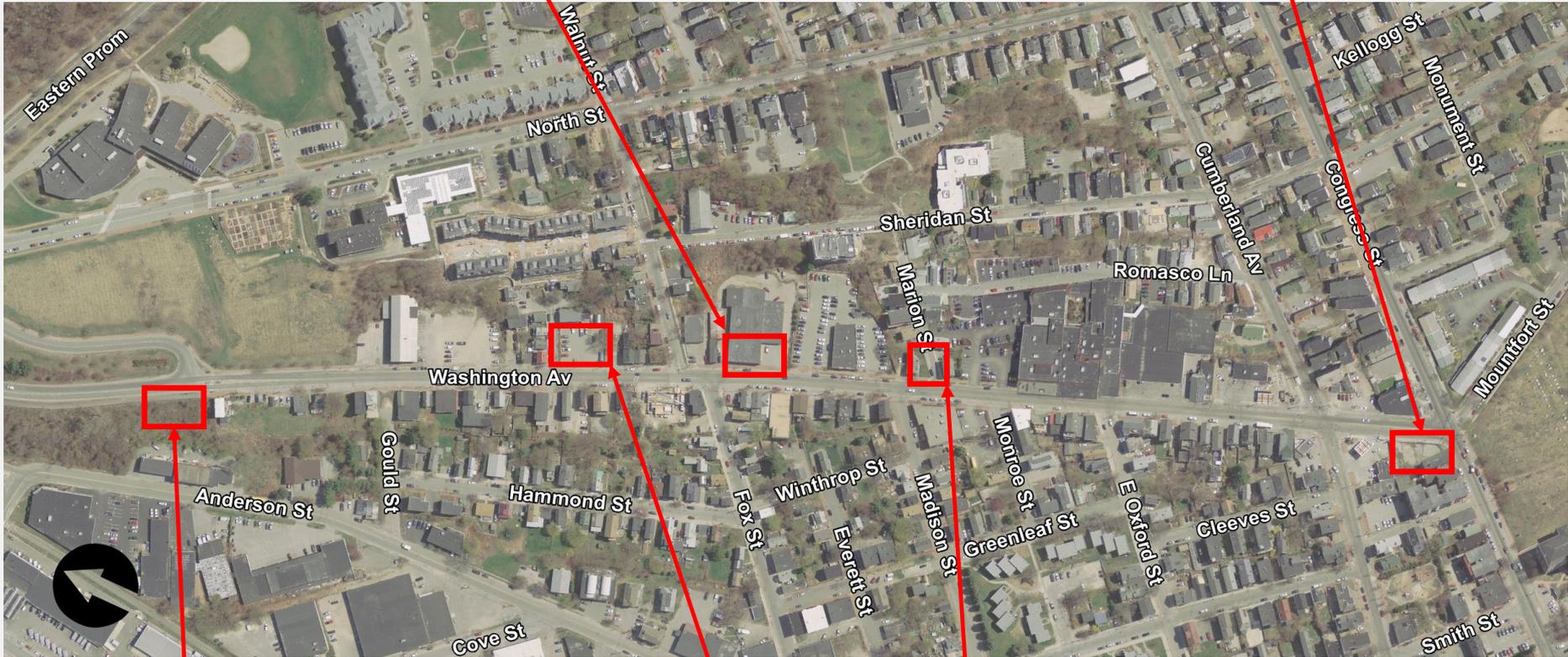
Ongoing Sewer Separation Project

Phase I: PACTS/City-Funded Street/Streetscape & Signal Treatments (WIN # 022134.00)

BACKGROUND: RECENT/APPROVED DEVELOPMENT

221 Congress Street

Forage Market



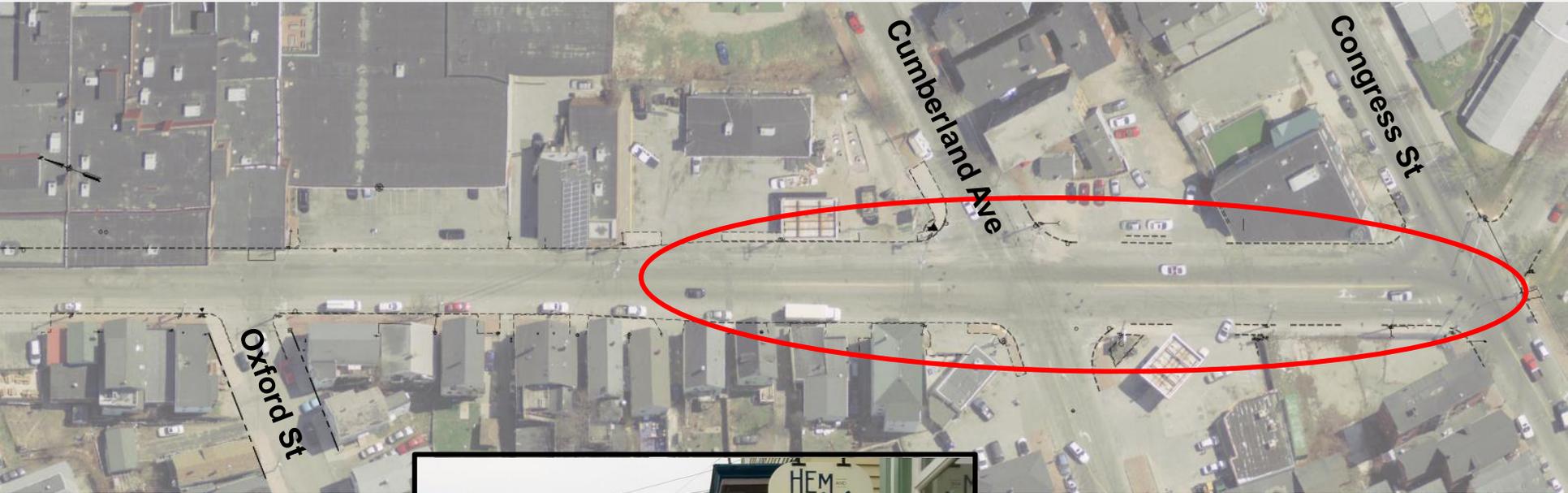
218 Washington Avenue

151 Washington Avenue

Washington at Marion – Shipping Crates

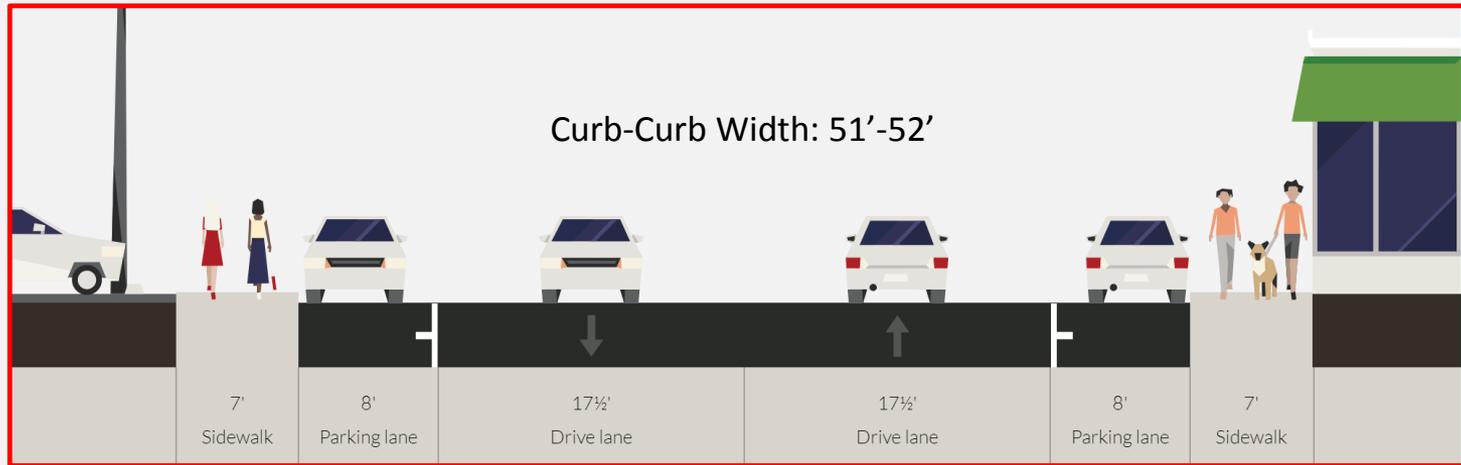
OVERVIEW OF PROPOSED DESIGN

PROPOSED DESIGN: SIDEWALK IMPROVEMENTS

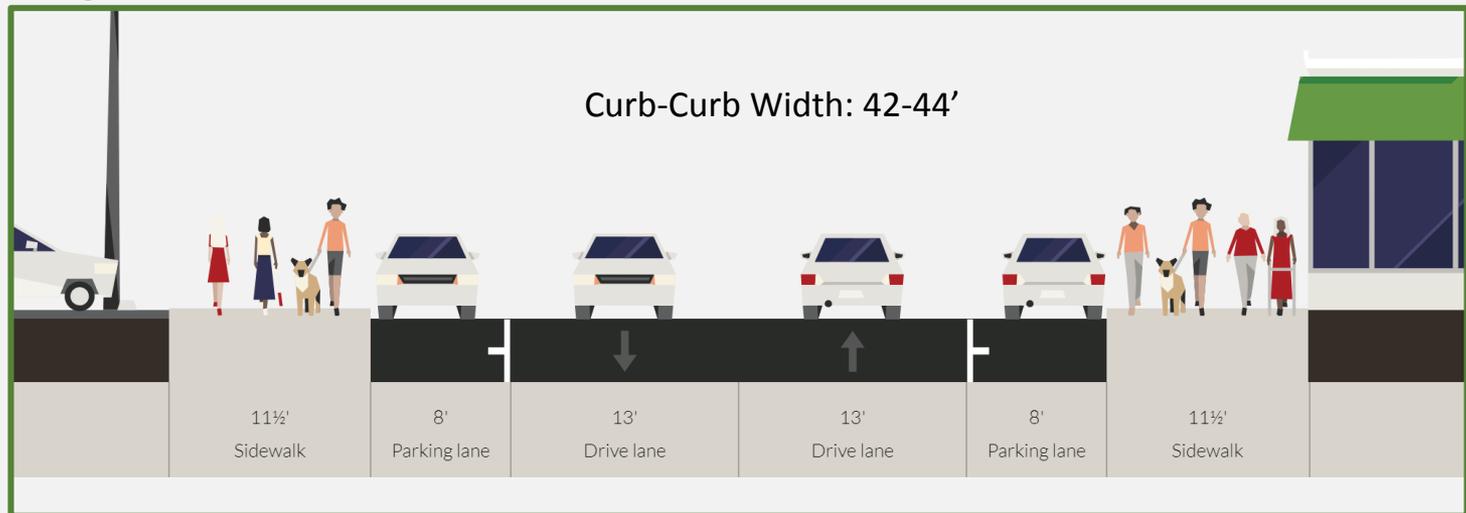


PROPOSED DESIGN: SIDEWALK IMPROVEMENTS

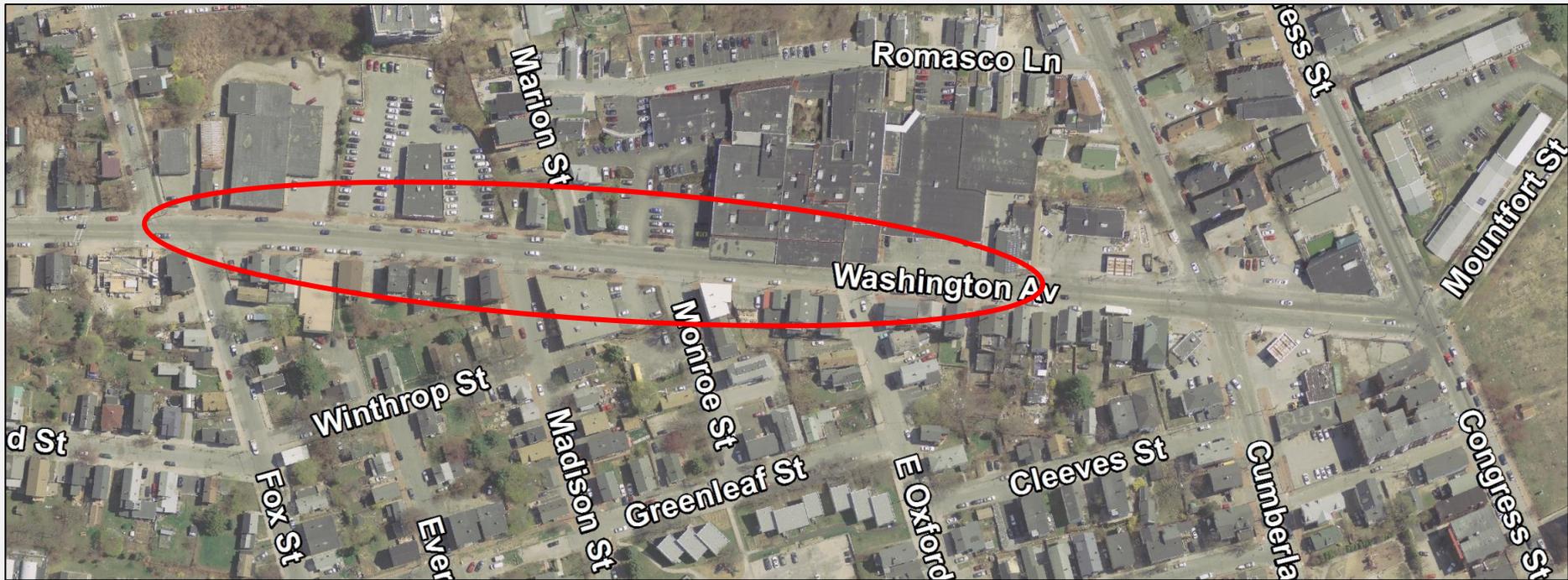
Existing



Proposed

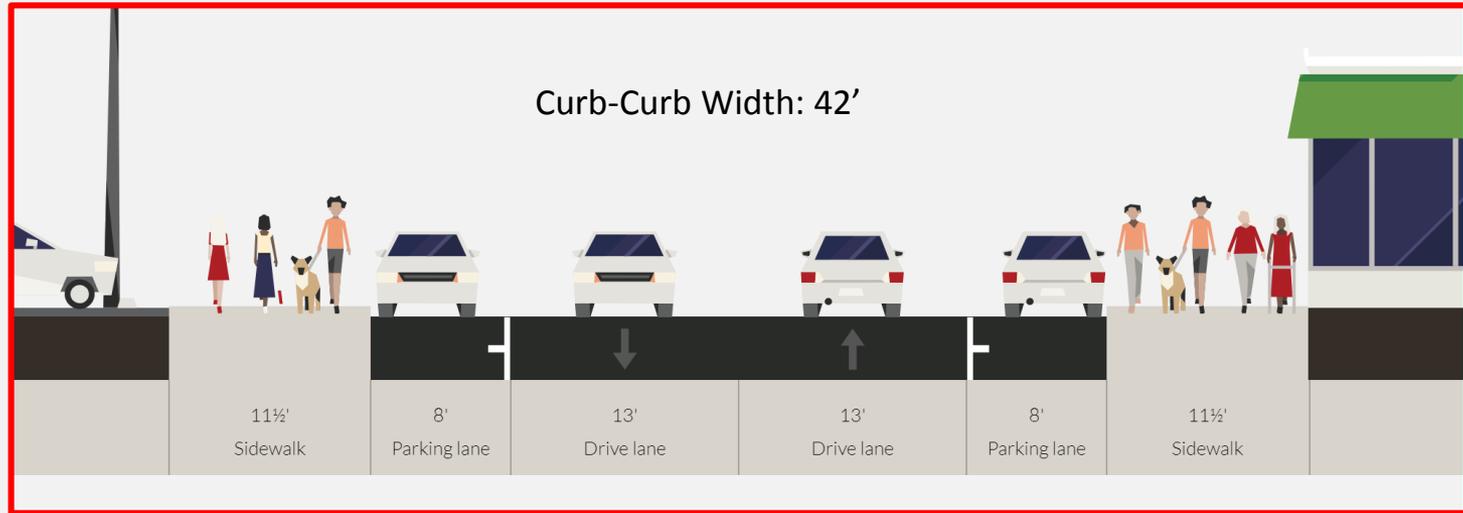


PROPOSED DESIGN: SIDEWALK IMPROVEMENTS

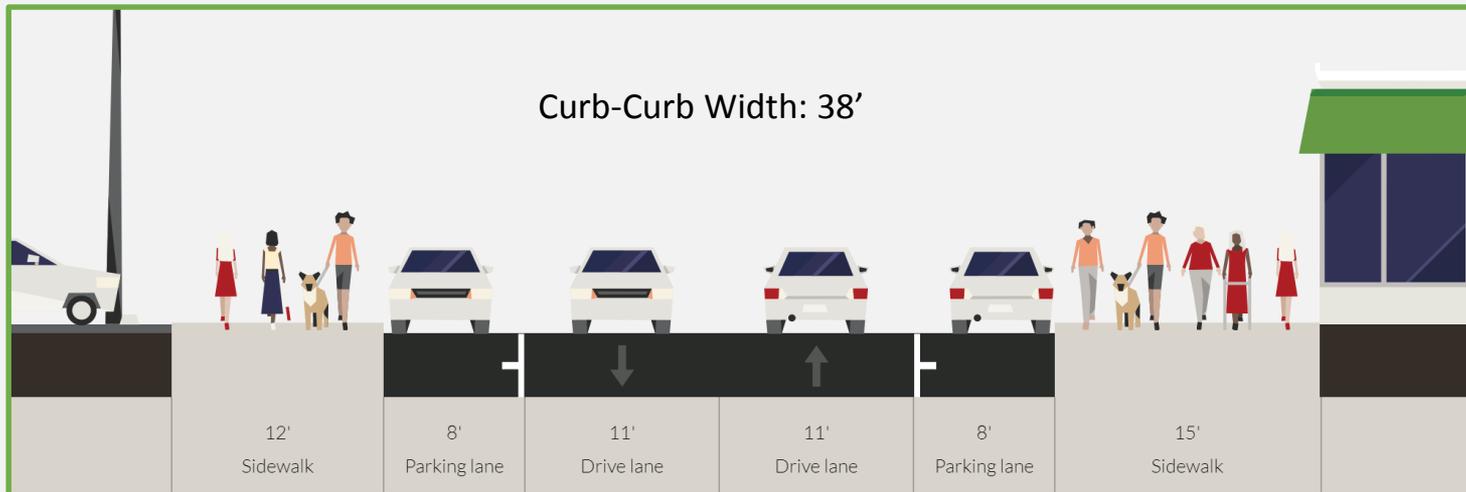


PROPOSED DESIGN: SIDEWALK IMPROVEMENTS

Existing

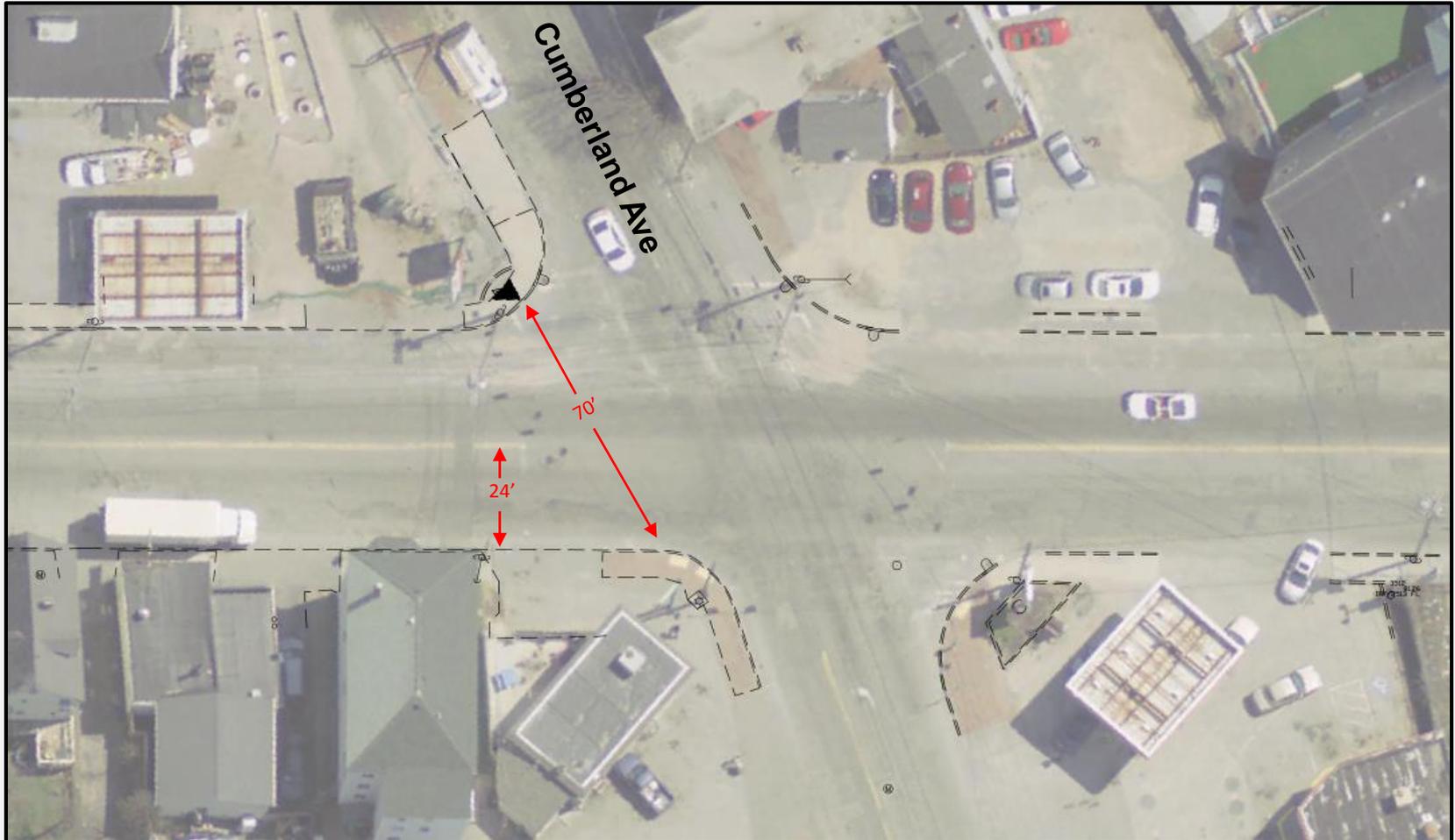


Proposed



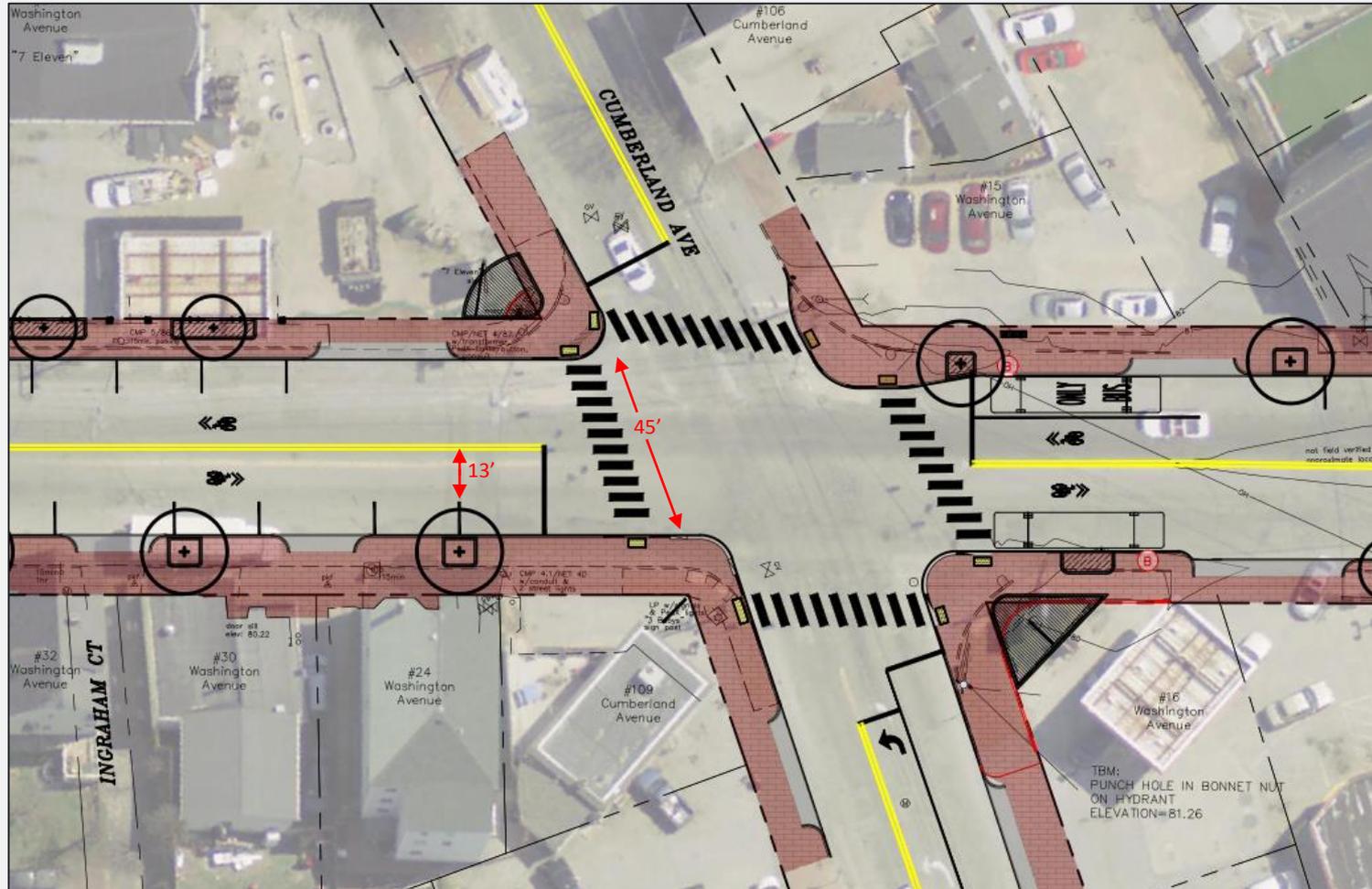
PROPOSED: TRAFFIC SIGNAL & INTERSECTION CHANGES

- Reduced Crossing Distance
- Clarifications/adjustments to lane configurations



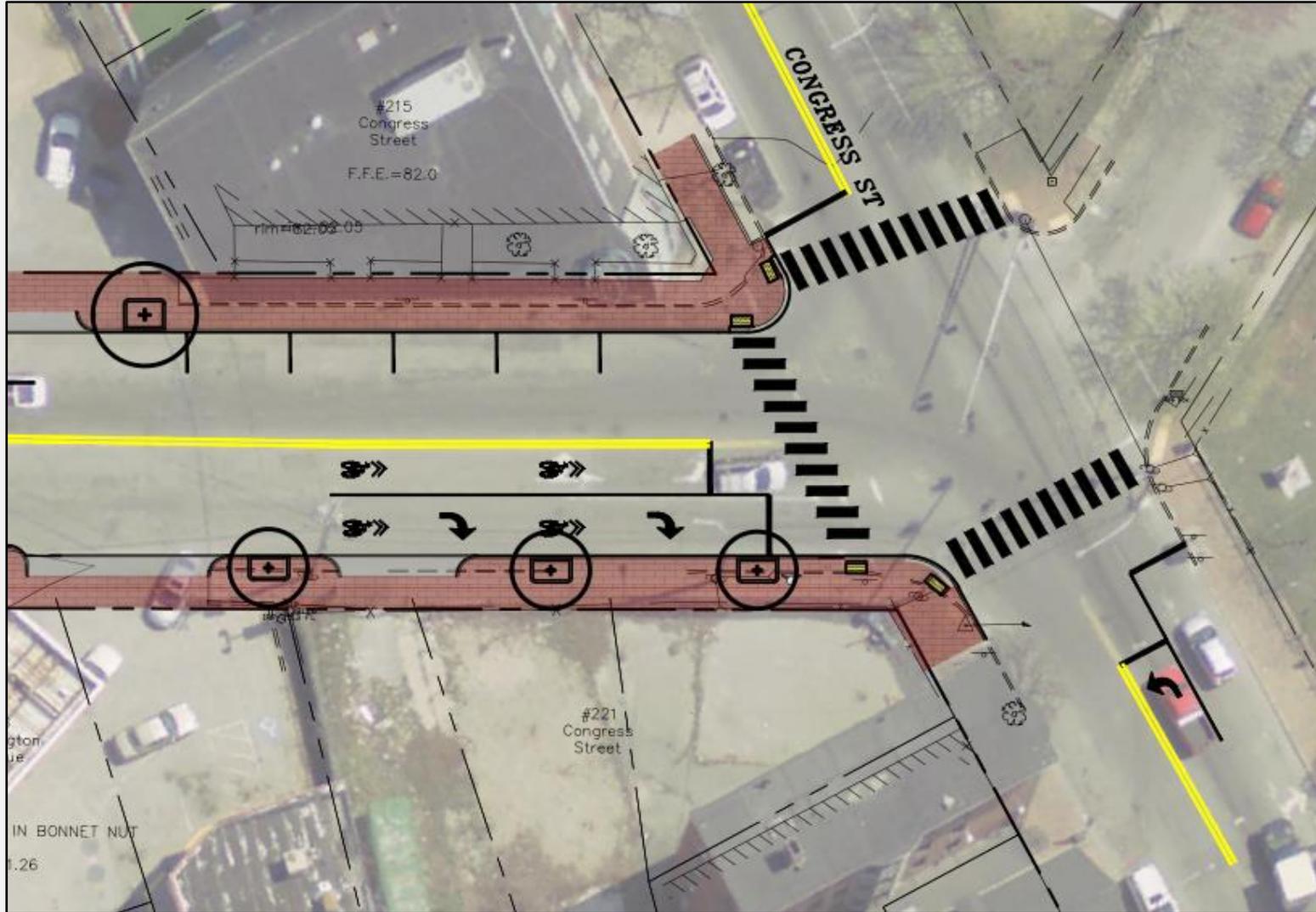
PROPOSED: TRAFFIC SIGNAL & INTERSECTION CHANGES

- Clarifications/adjustments to lane configurations
- Shorter Crossing Distances



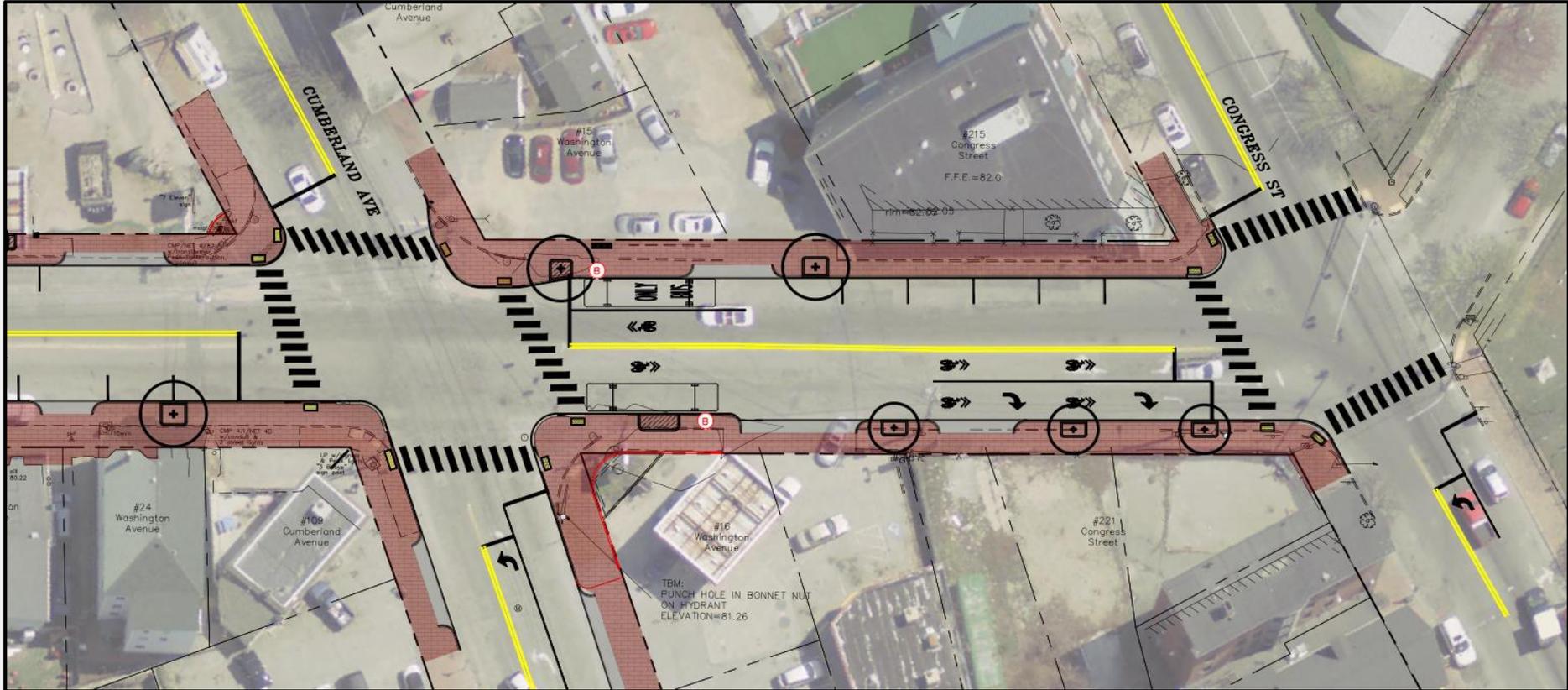
PROPOSED: TRAFFIC SIGNAL & INTERSECTION CHANGES

Congress & Washington Intersection



PROPOSED: TRAFFIC SIGNAL & INTERSECTION CHANGES

- Replace & Upgrade Signals at Cumberland and Congress Intersections

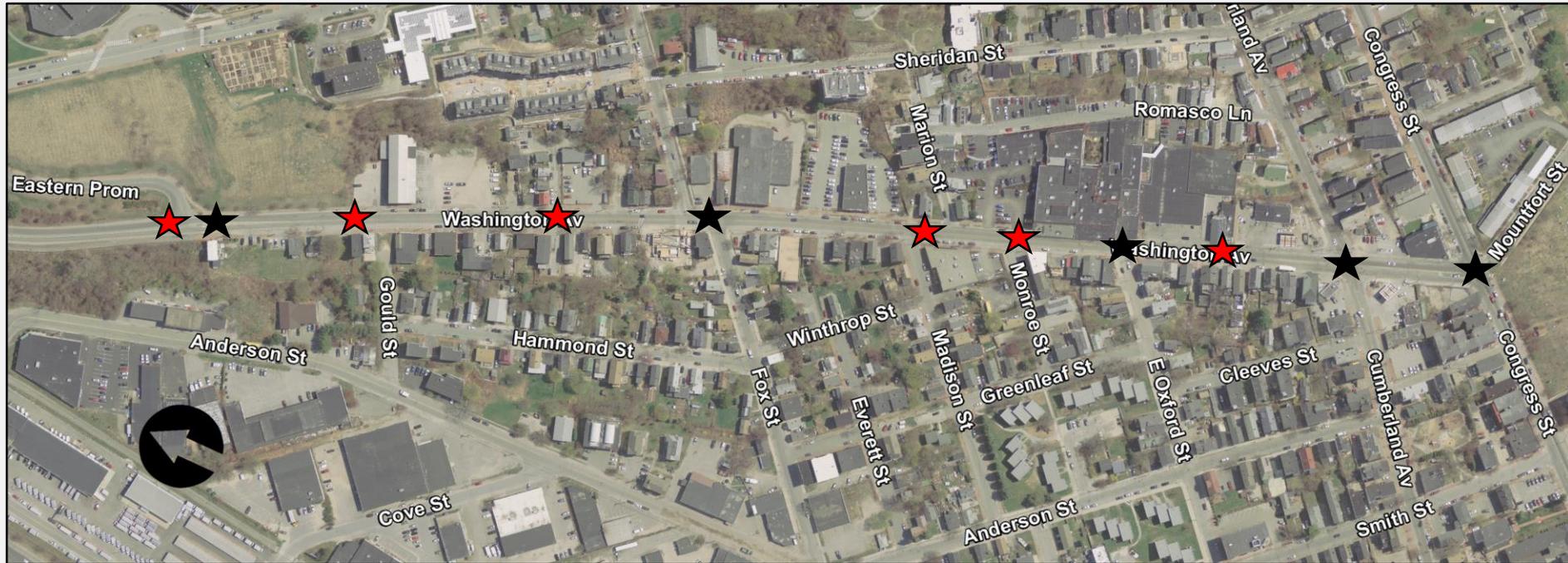


PROPOSED: TRAFFIC SIGNAL & INTERSECTION CHANGES

- Implement Leading Pedestrian Interval (LPI)



PROPOSED DESIGN: CROSSING LOCATIONS



- ★ Existing Crosswalk Location
- ★ New Crosswalk Location

Additional Locations?

PROPOSED DESIGN: CROSSING ENHANCEMENTS

Rectangular Rapid Flashing Beacons (RRFB's)

On Washington Ave:

- Fox/Walnut Intersection
- Eastern Prom Intersection
- Gould Street Crosswalk?

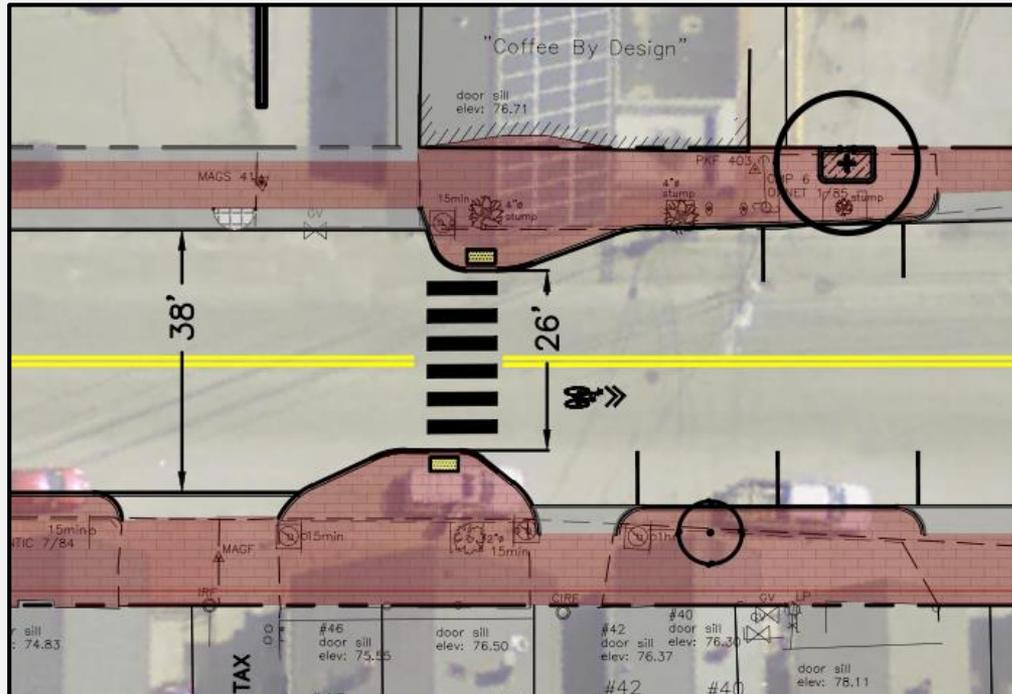


State St at Deering Oaks

PROPOSED DESIGN: CROSSING ENHANCEMENTS

Mid-block Crosswalk by Coffee by Design:

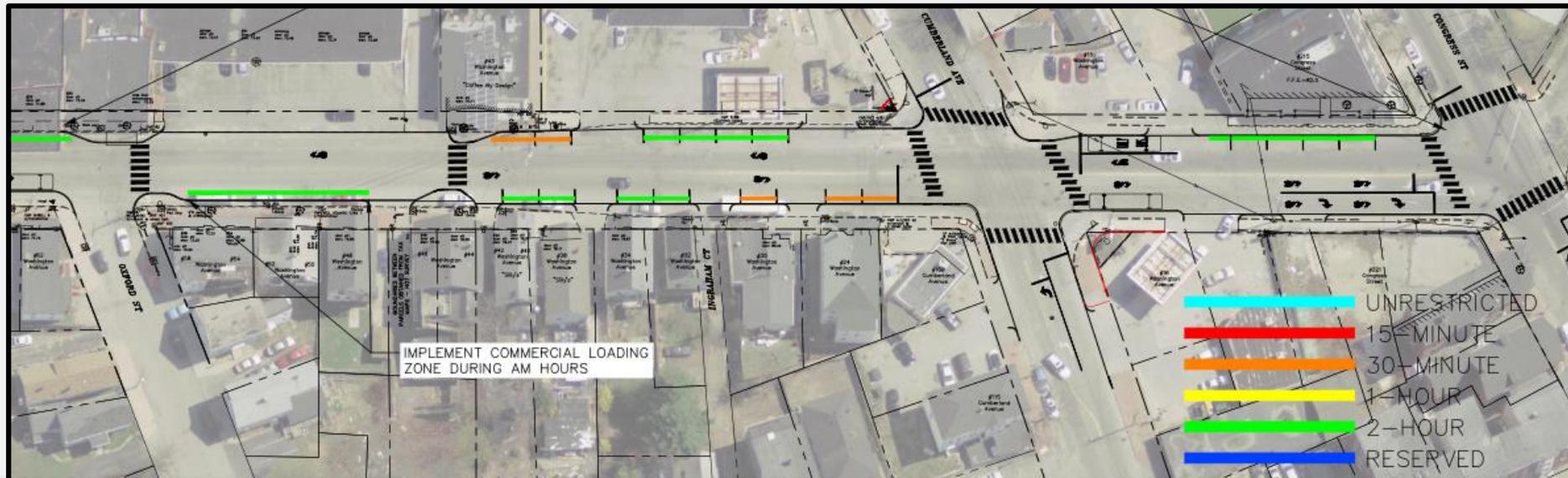
- Curbline Adjustments
- (Partially) Raised?



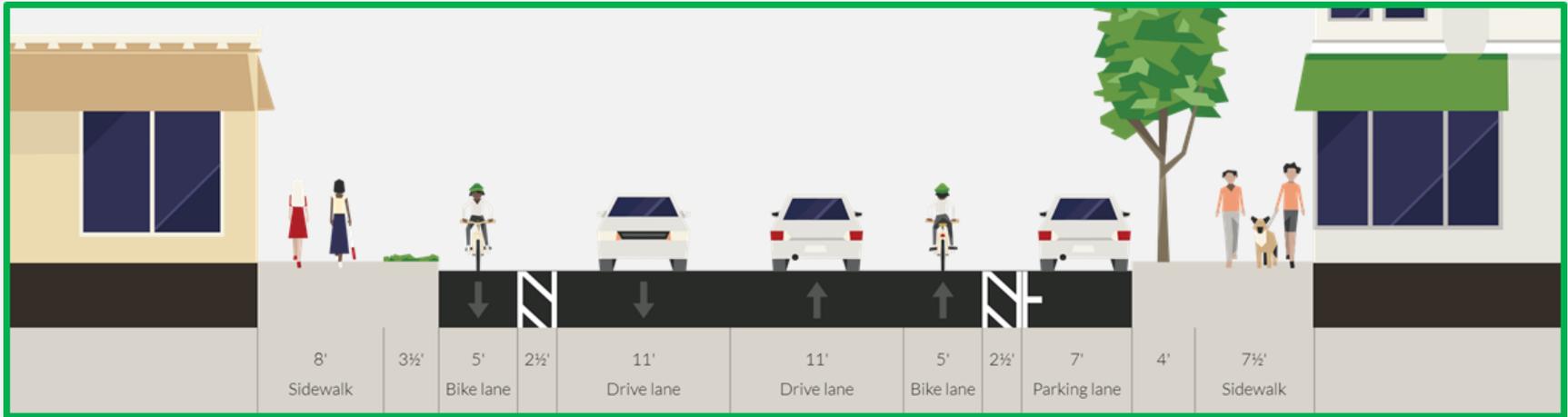
Stevens Avenue

PROPOSED DESIGN: PARKING REGULATIONS

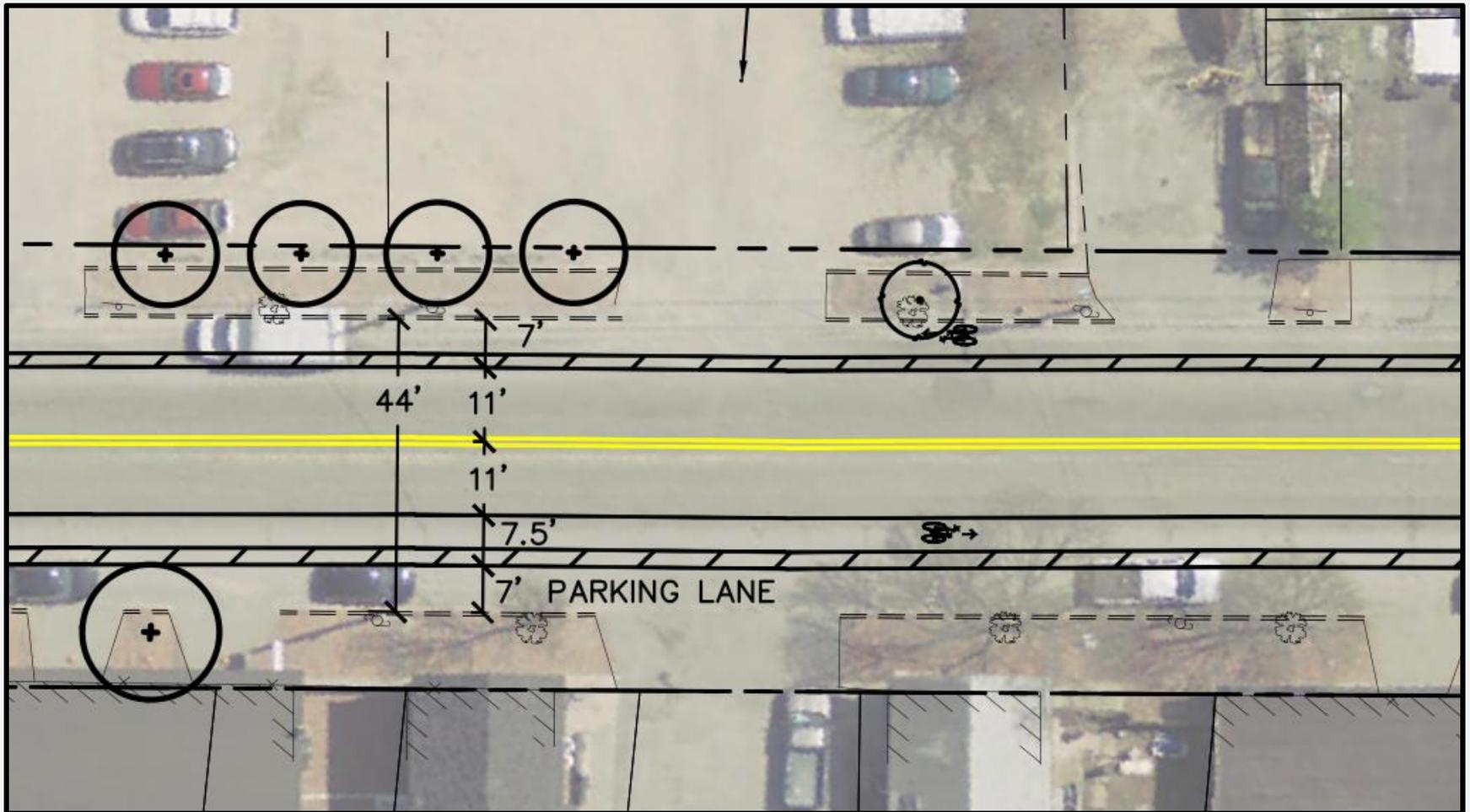
- Convert most parking to 2-hour, with some sections of 15 and 30-minute parking
- Proposing parking meters between Congress and Oxford St
- Commercial Loading Zone south of Oxford St
 - 6 AM – 6PM? Morning Only?
- Taxi Stand?



PROPOSED DESIGN: BICYCLE FACILITIES

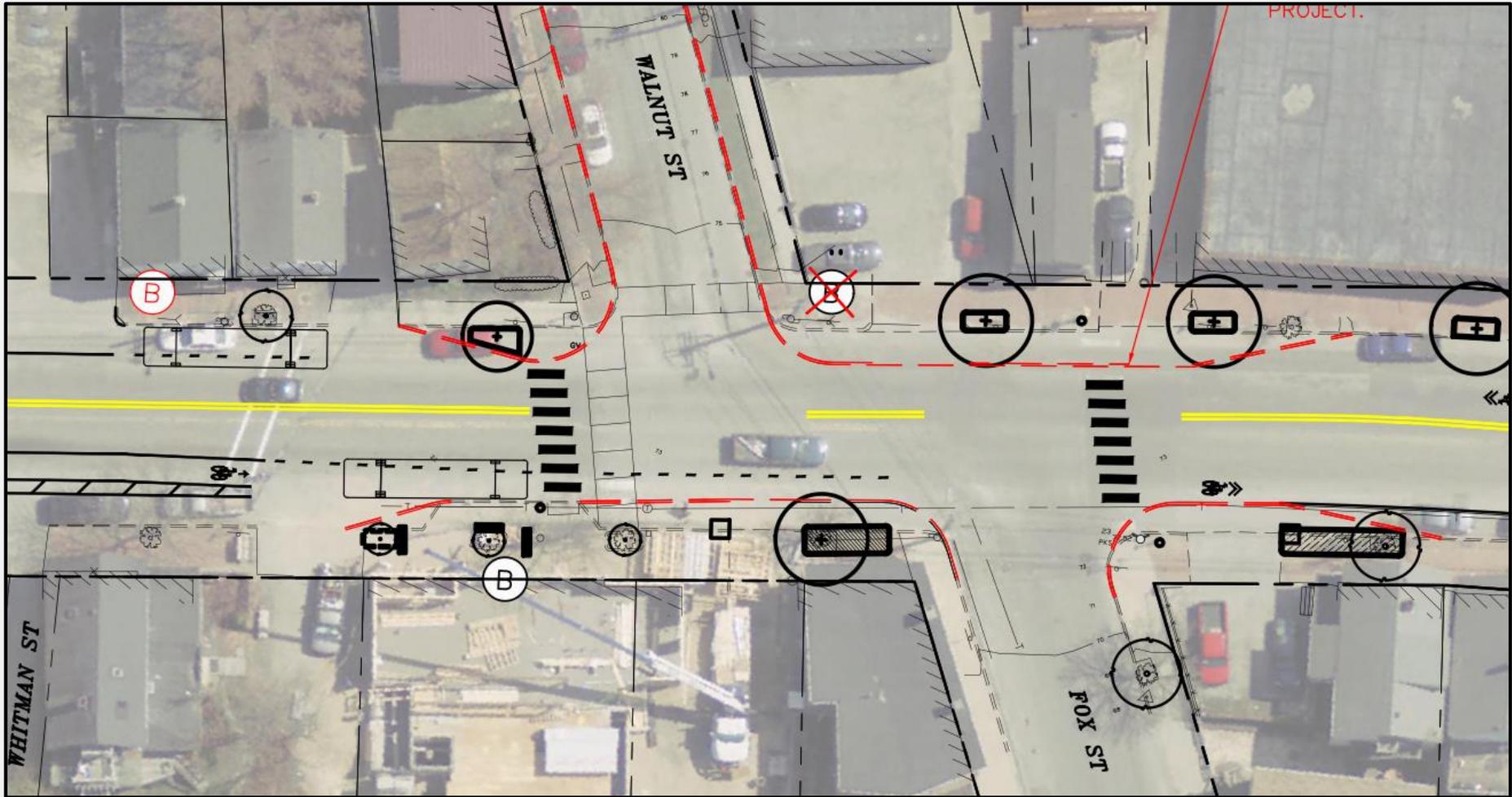


PROPOSED DESIGN: BICYCLE LANES



PROPOSED: BUS STOP LOCATIONS

Northbound Stop at Fox/Walnut



PROPOSED DESIGN: ROUNDABOUT AT EASTERN PROM

- **Poor transition from interstate ramp to neighborhood main street**



PROPOSED DESIGN: ROUNDABOUT AT EASTERN PROM

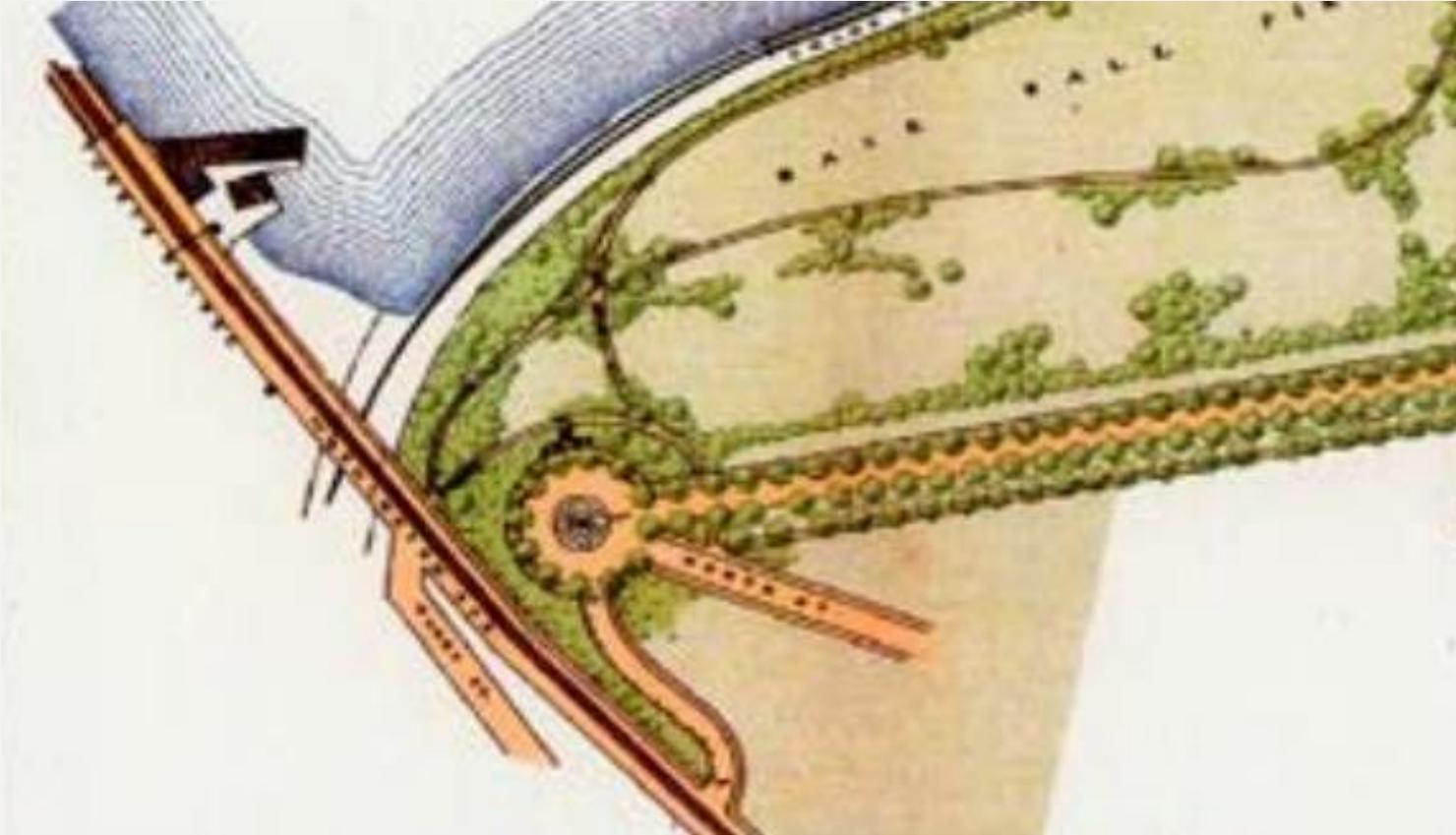


PROPOSED DESIGN: ROUNDABOUT AT EASTERN PROM



Vienna, VA

PROPOSED DESIGN: ROUNDABOUT AT EASTERN PROM



DESIGN OPPORTUNITIES

- **Street furnishings – benches, bus stops, waste bins**
- **Lighting – pedestrian scale fixtures**
- **Curblin adjustments - enhanced safety, seating & planting space**
- **Storm water treatment - rain gardens & permeable pavers**
- **Street plantings – large canopy trees, smaller trees, accents**

OPPORTUNITIES: STREET FURNISHINGS



Westfalia Werke

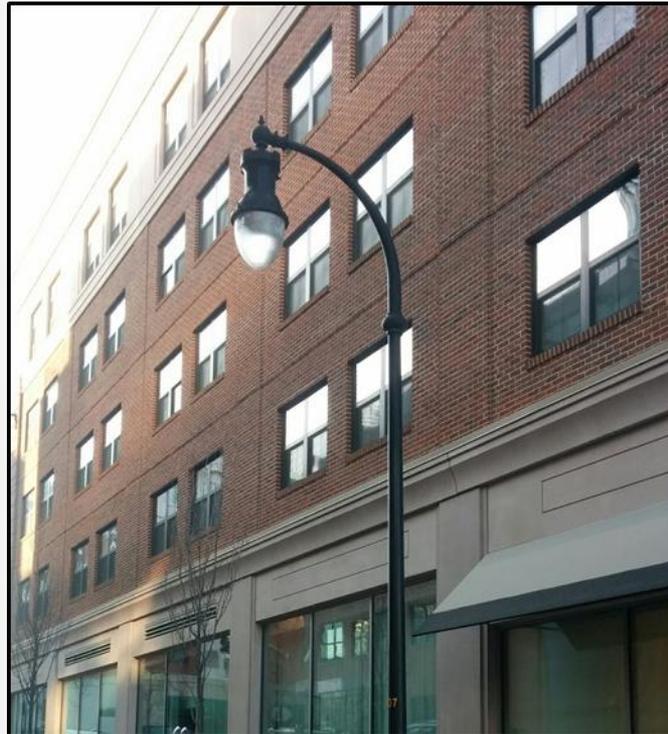
PROPOSED DESIGN: STREET LIGHTING

- **Conversion to LED fixtures on Washington Ave complete**
- **Additional LED fixtures can be installed in areas that remain under-lit**



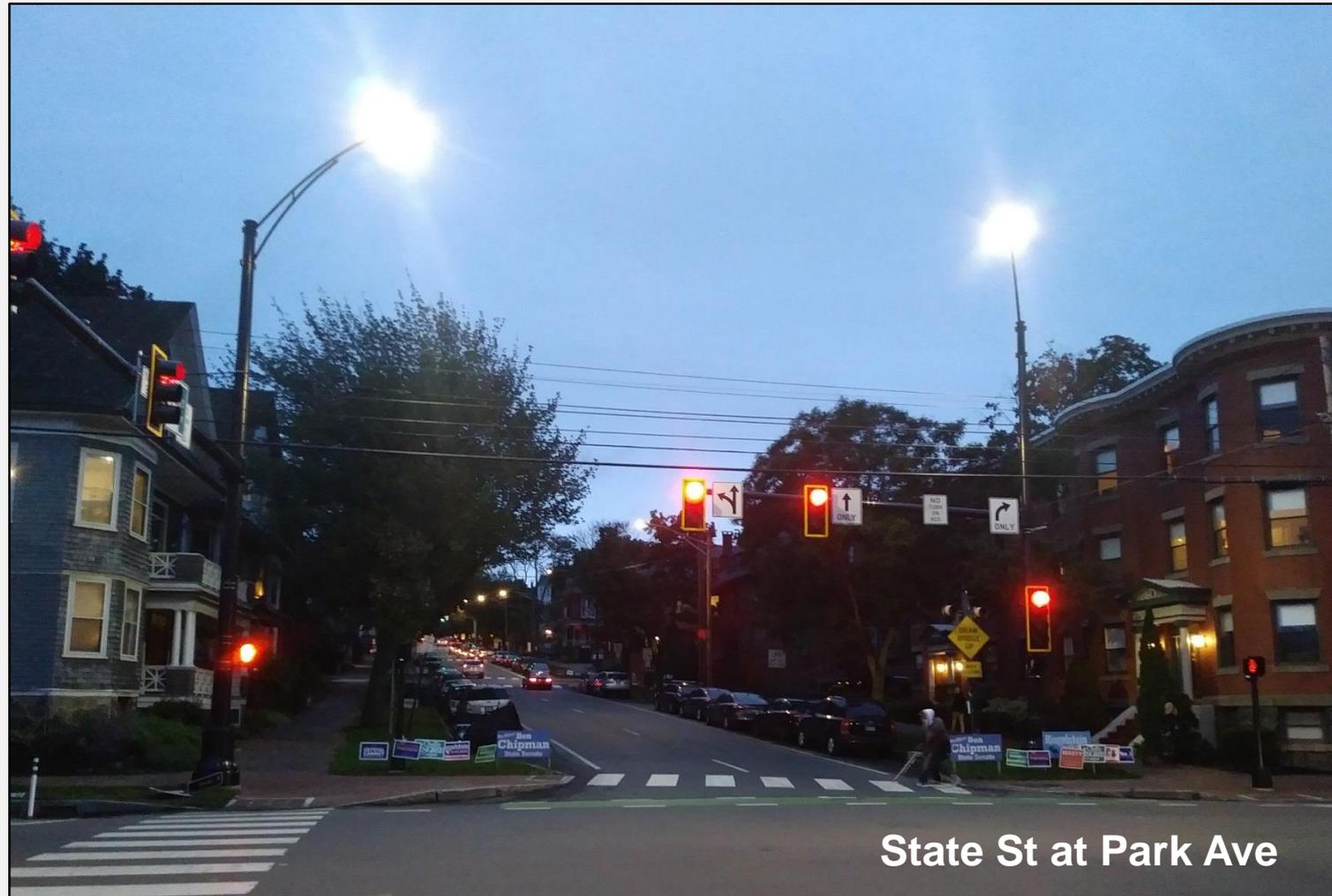
PROPOSED DESIGN: STREET LIGHTING

- Supplemental decorative fixtures can be used to light crossing locations that remain under-lit
- Future development may provide opportunity for installation of decorative fixtures



PROPOSED DESIGN: STREET LIGHTING

- New signals at Cumberland and Congress will have LED light fixtures



OPPORTUNITIES: CURBLINE ADJUSTMENTS



curbline adjustments – pedestrian refuges, parklets

OPPORTUNITIES: STORM WATER TREATMENT



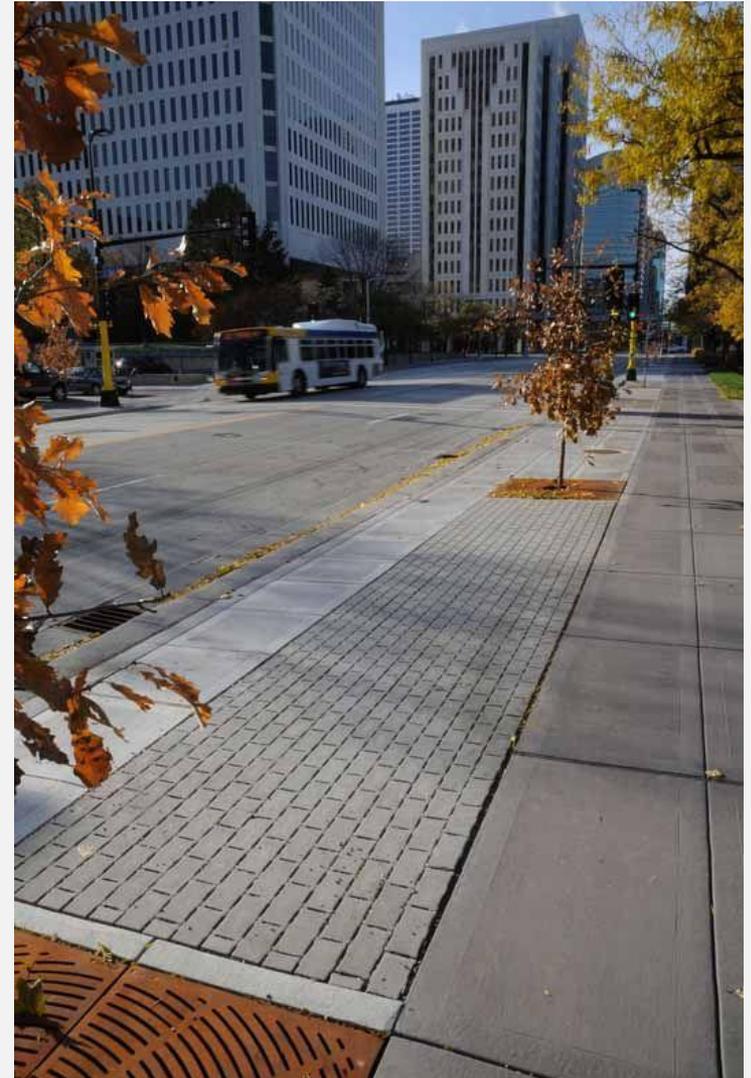
rain gardens

OPPORTUNITIES: STORM WATER TREATMENT



rain gardens

OPPORTUNITIES: STORM WATER TREATMENT



permeable pavers

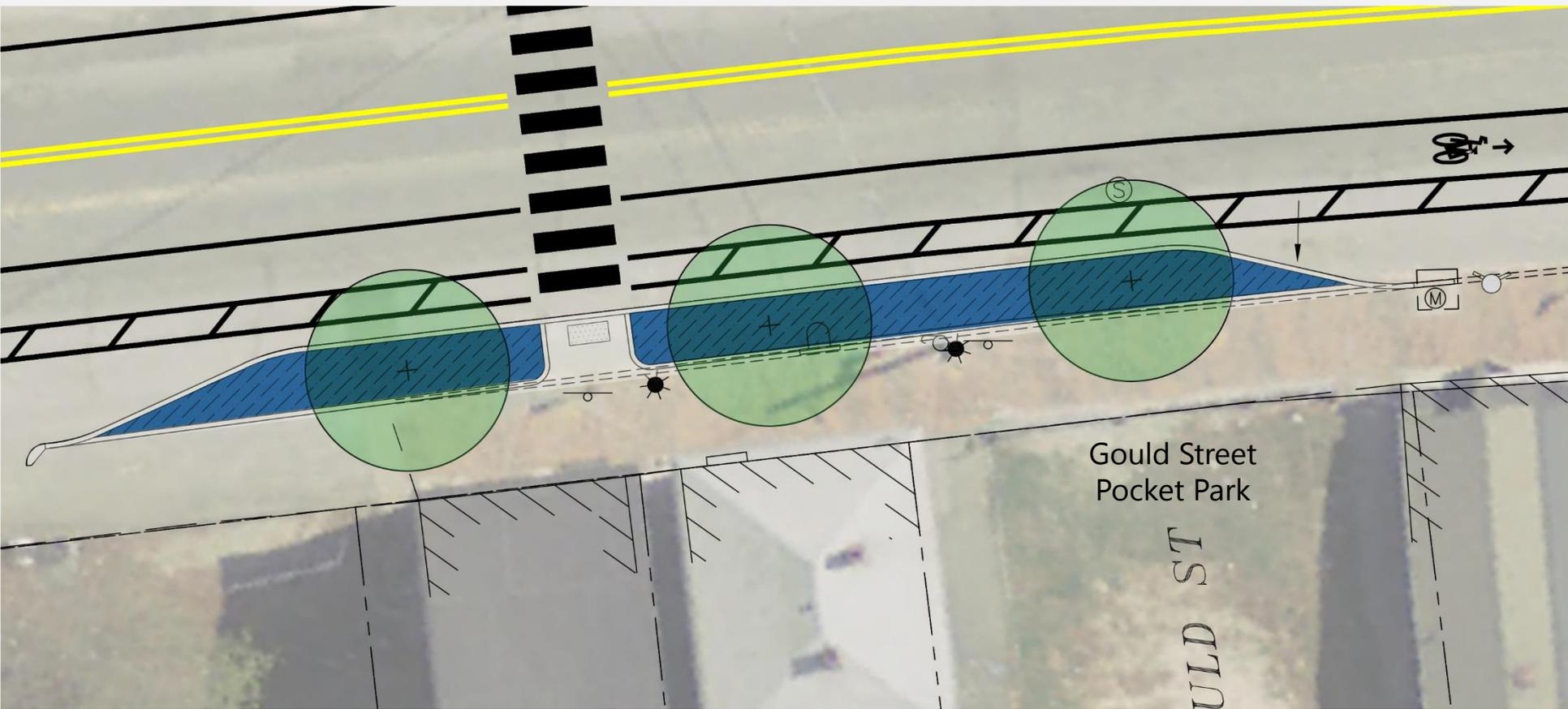
OPPORTUNITIES: STORM WATER TREATMENT



permeable pavers

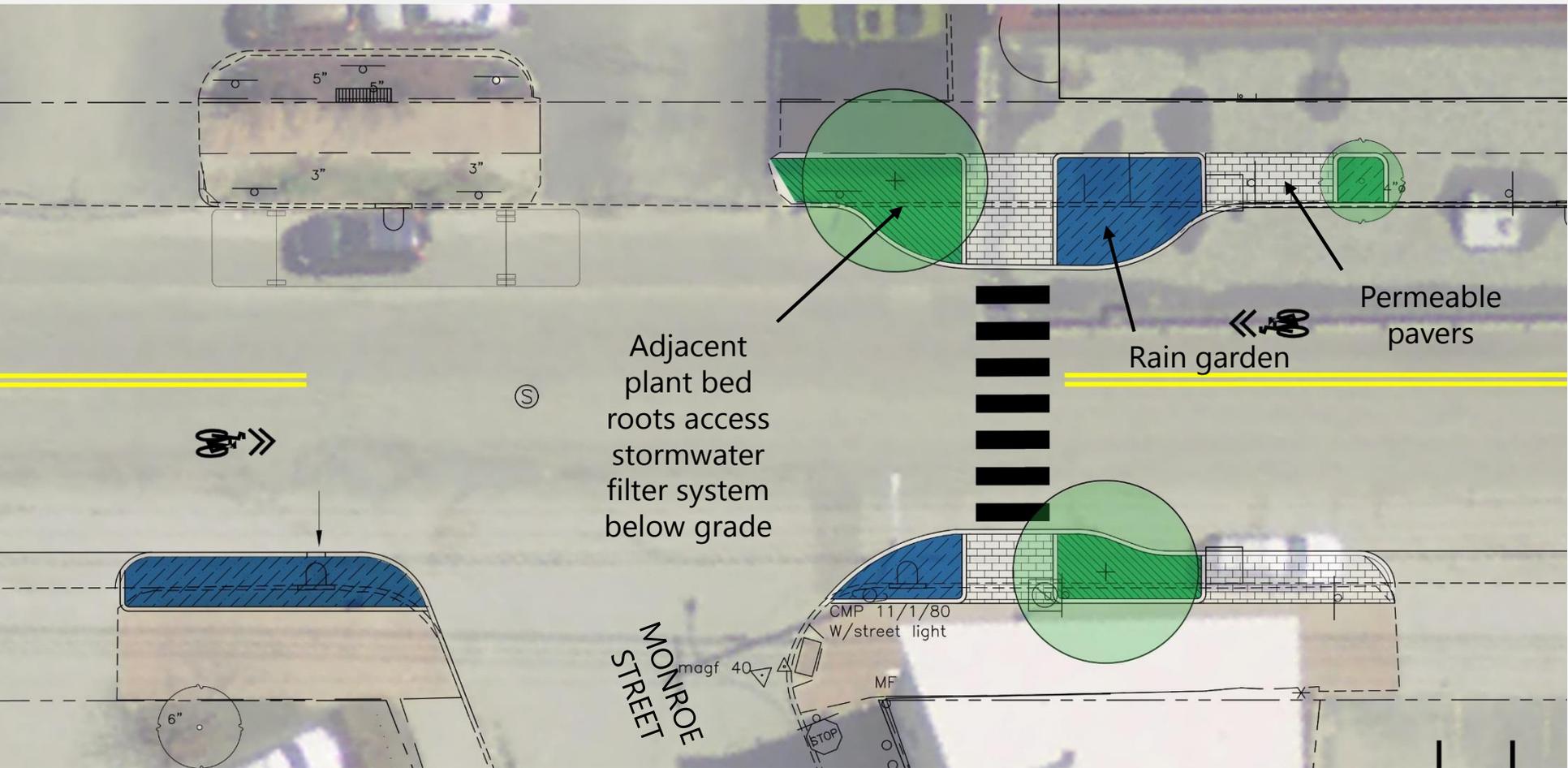
Washington Avenue Streetscape, Intersection and Signal Design Project – October 3, 2018

OPPORTUNITIES: STORM WATER TREATMENT



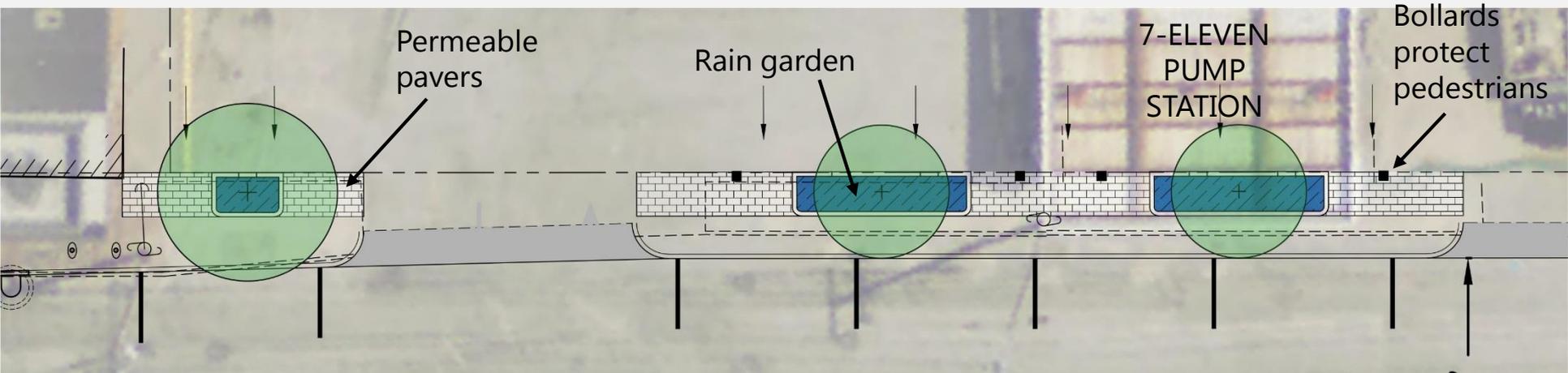
potential rain garden location

OPPORTUNITIES: STORM WATER TREATMENT



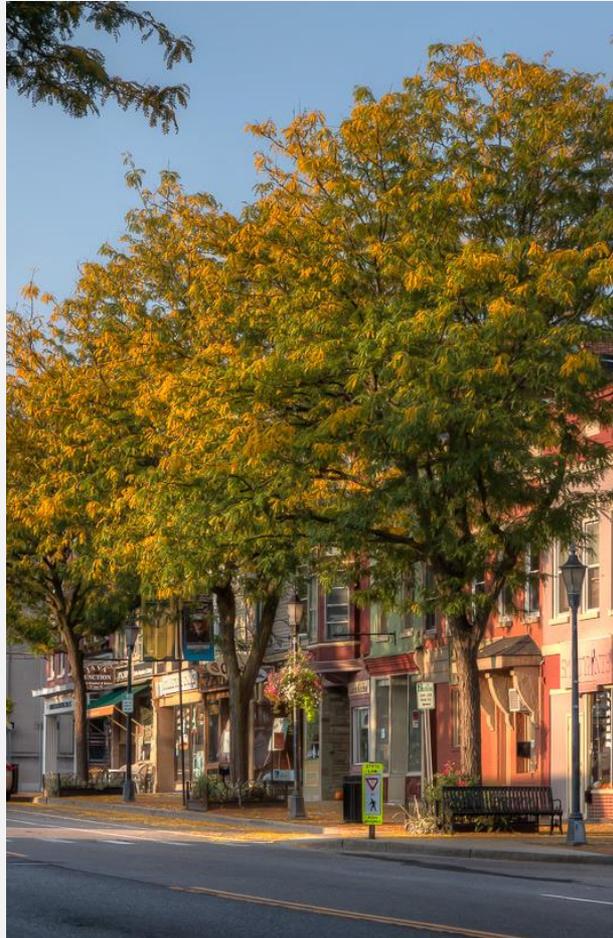
potential rain garden location

OPPORTUNITIES: STORM WATER TREATMENT



potential rain garden location

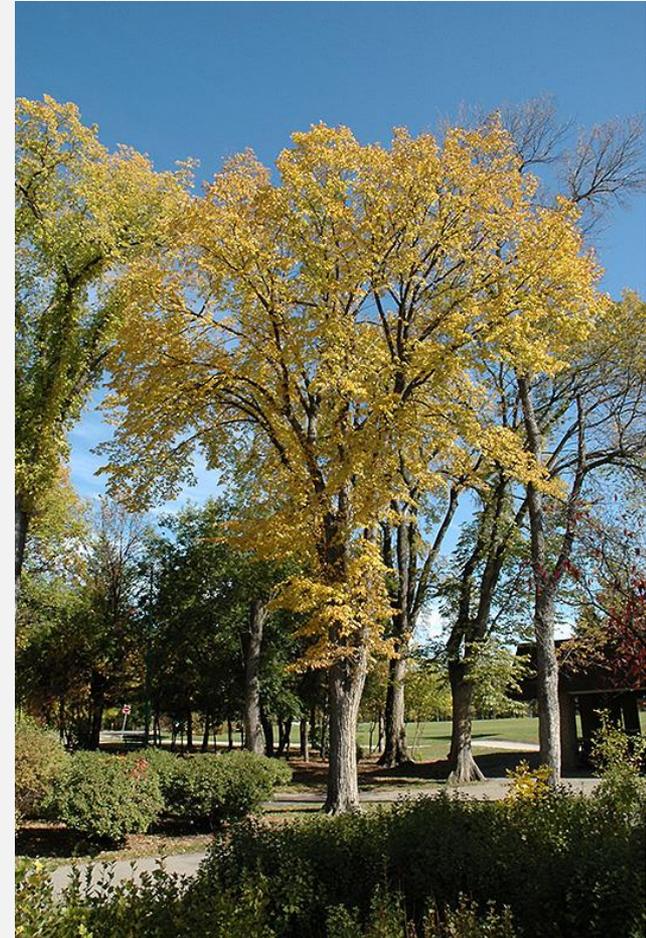
OPPORTUNITIES: STREET TREES



Honeylocust



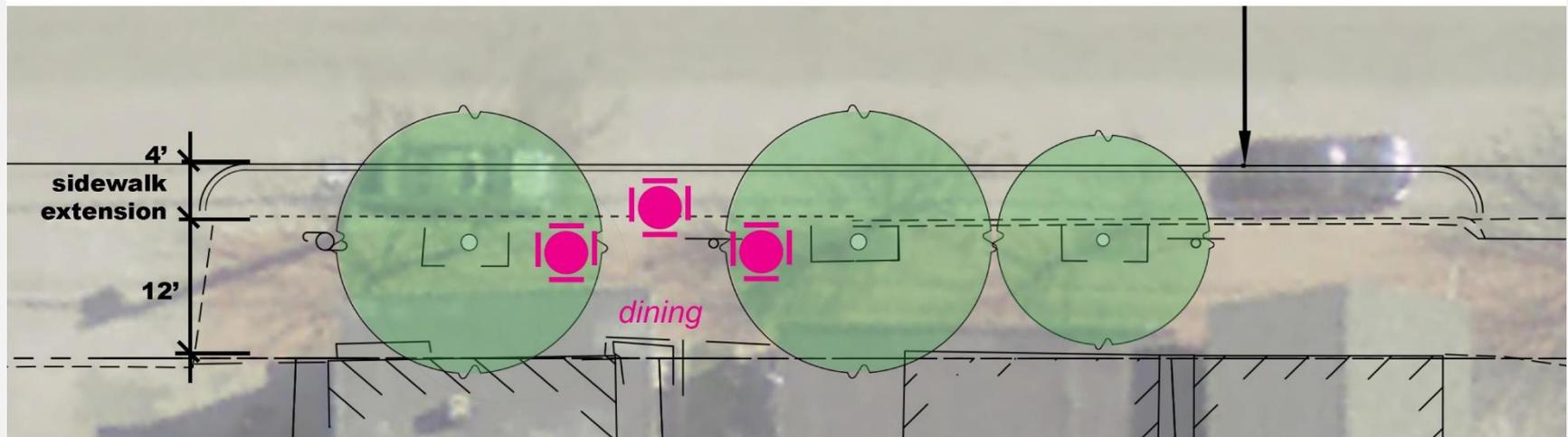
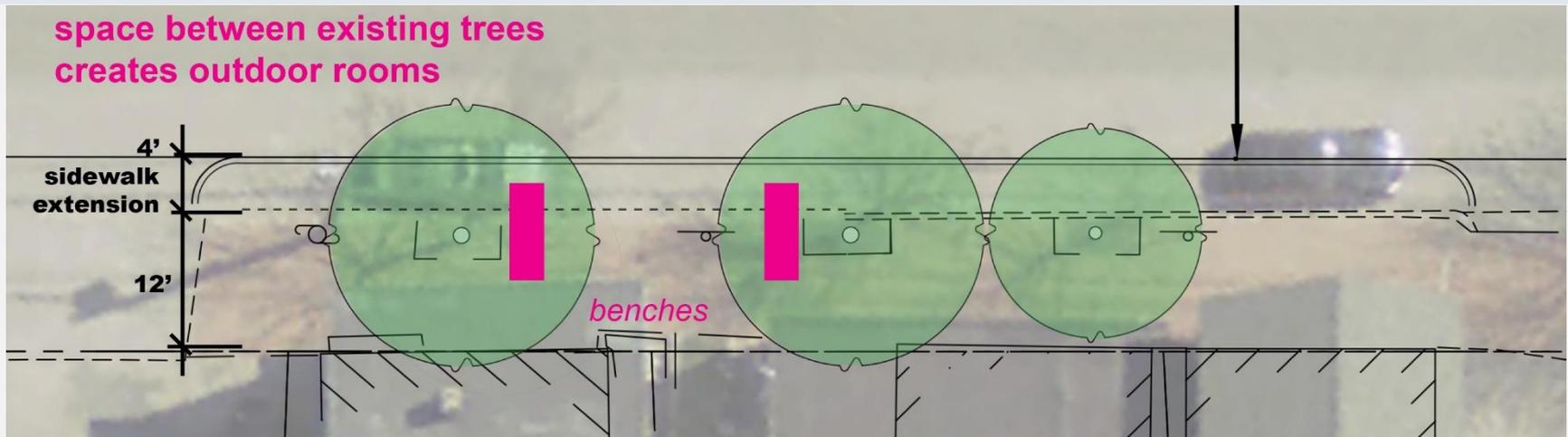
Red Maple hybrids



'Valley Forge' American Elm

large canopy trees – sample native species

OPPORTUNITIES: STREET TREES



existing trees to remain options:

- expanded sidewalk creates outdoor rooms for a variety of activities
- alternatively, expand sidewalk on opposite side of street where there are no existing trees

OPPORTUNITIES: ACCENT TREES



Hawthorn



Eastern Redbud



Shadbush

smaller trees – sample native

species

OPPORTUNITIES: ACCENT PLANTINGS



native perennials, grasses and
shrubs