



Derby Street

Project Updates

Salem, Massachusetts

February 2020



Project Limits

Palfrey Court to Blaney Street



Derby Street Project Objectives

1. Improve complete streets elements on Derby Street
2. Improve shared use path connections

Derby Street Meetings 2017

Comments/Concerns

- Sidewalk surface materials – cement concrete vs. brick
- Parking
- Sidestreet vehicle access
- Roadway Dimensions
- Raised Crosswalks/Speed Tables
- Bump Outs
- Signage
- Landscaping/ streetscape
- Utilities

Site Walk July 2017

- Clear signage
- Bump outs
- Sidewalk materials
- Sense of place
- Traffic table at Customs House
- Sidestreet vehicle access
- Proper sightlines
- Illegal parking
- Pedestrian ramps



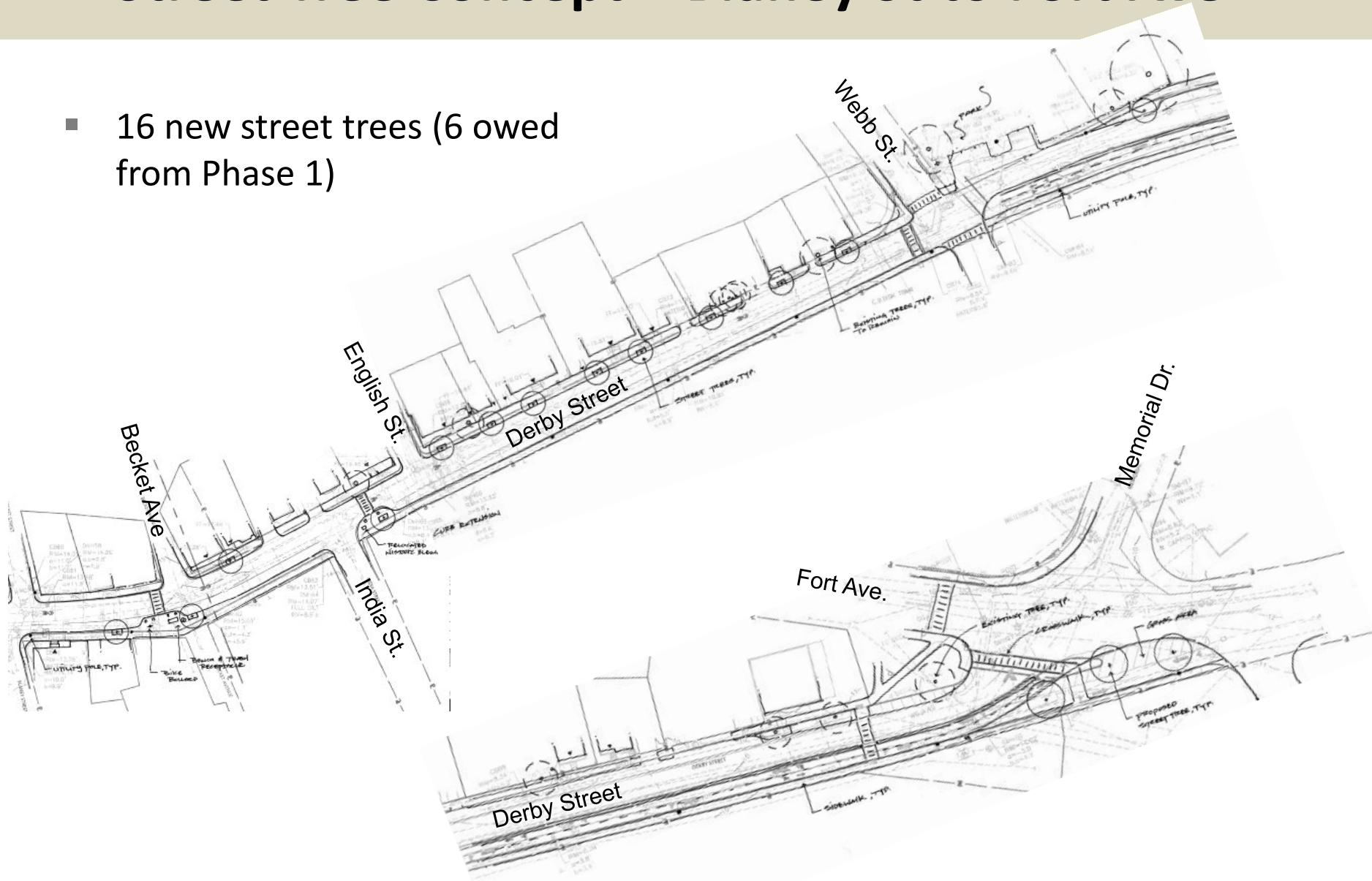
Derby Street Phase 1 upgrades

Sidewalk Improvements

- Update pedestrian ramps
- Install tactile warning panels
- Refresh cross walk locations
- Repairs
 - Provide 4' minimum sidewalks
 - Provide 3' minimum clear width using bump outs and removing select trees/obstacles
 - Reduce cross slopes to work towards ADA compliance
 - Provide waterproof membrane at sidewalk joints against buildings

Street Tree Concept – Blaney St to Fort Ave

- 16 new street trees (6 owed from Phase 1)



Existing Street Tree Treatments

Sidewalk Bump-outs

- Sidewalks moved to outside of tree
- Allows 3' minimum ADA access



Treatment for Existing Street Trees

Flexi-pave

- Made from rubber, stone, binding agent
- Porous to allow air and water to tree roots
- Forms around existing tree roots
- Various color options



New Street Trees

Syringa reticulata 'Ivory Silk' / Japanese Tree Lilac

Height: 20'-25'

Width: 15'-20'

Bloom: May-June

Fall Color: Yellow to Green



Malus "Adirondack" / Adirondack Crabapple

Height: 20'-25'

Width: 15'-20'

Bloom: April-May

Fall Color: Orange to Red



Street Furniture

Decorative Street Lights



Granite Seat Cubes



“R” Bike Racks



Historic Recognition of Derby Street

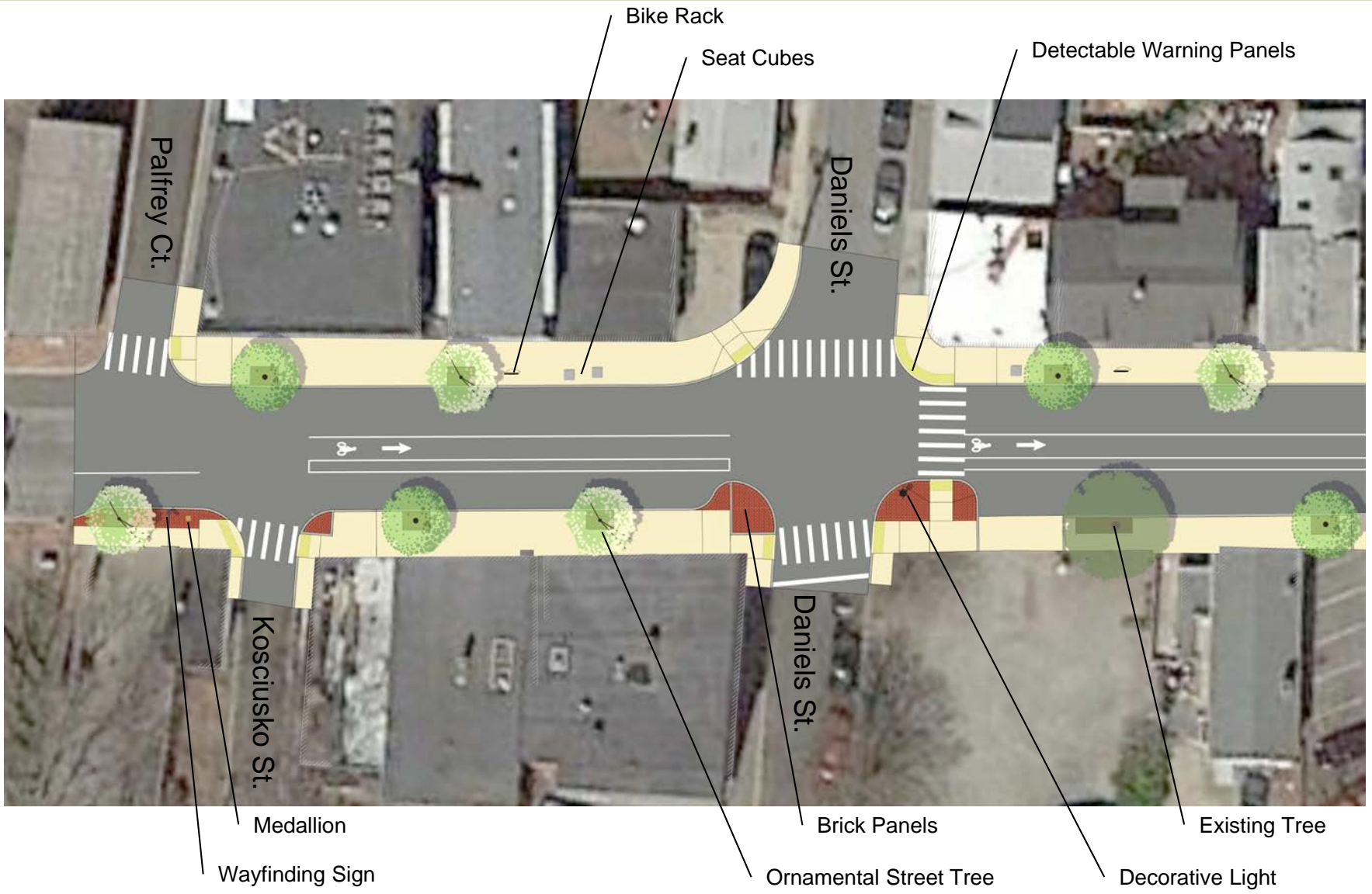
- Medallions added to sidewalk surface
- Similar to McIntire District
- Symbol to be designed in collaboration between NPS/City/Neighborhood



Sidewalk Improvements



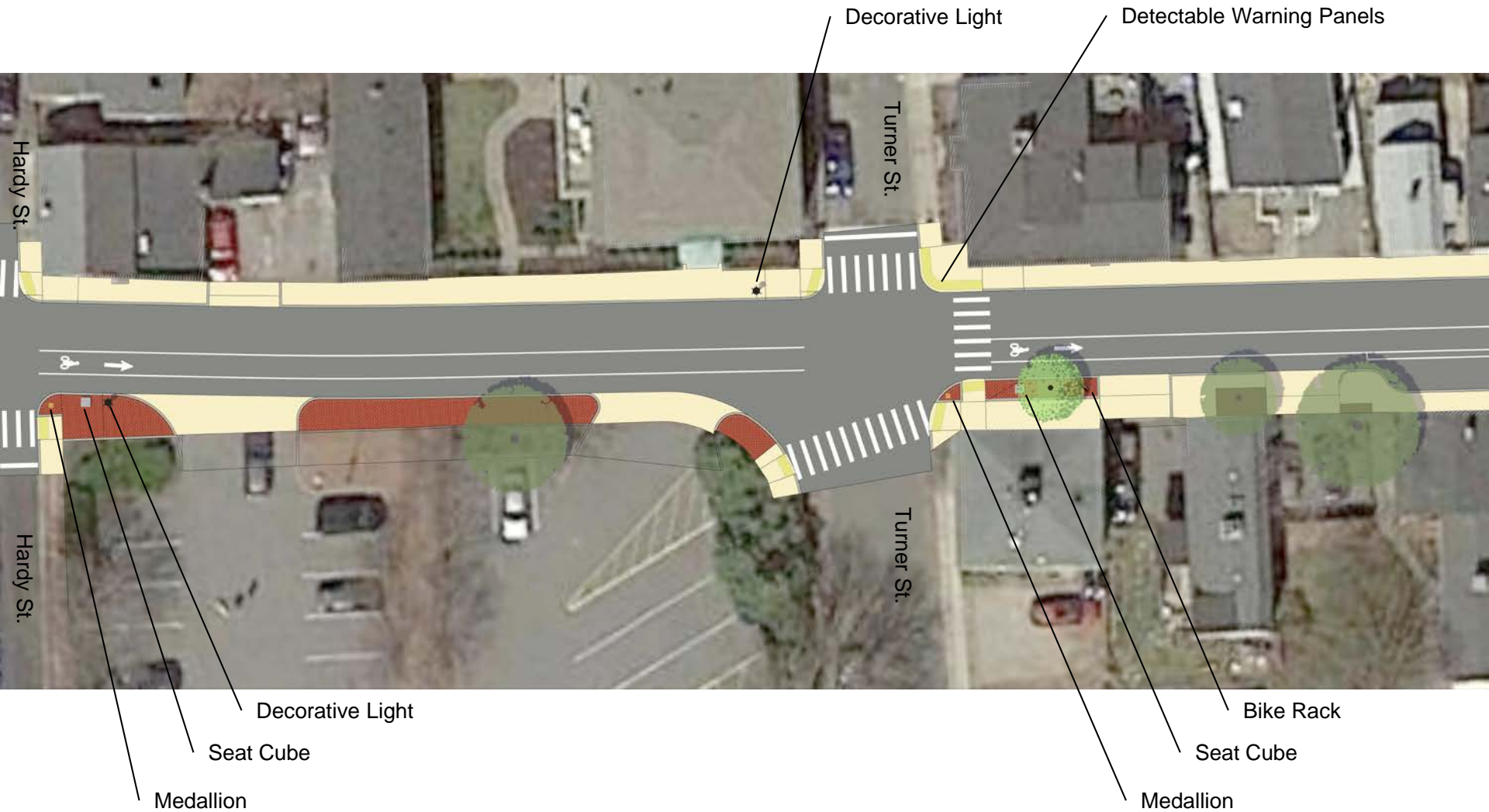
Sidewalk Improvements Enlargements



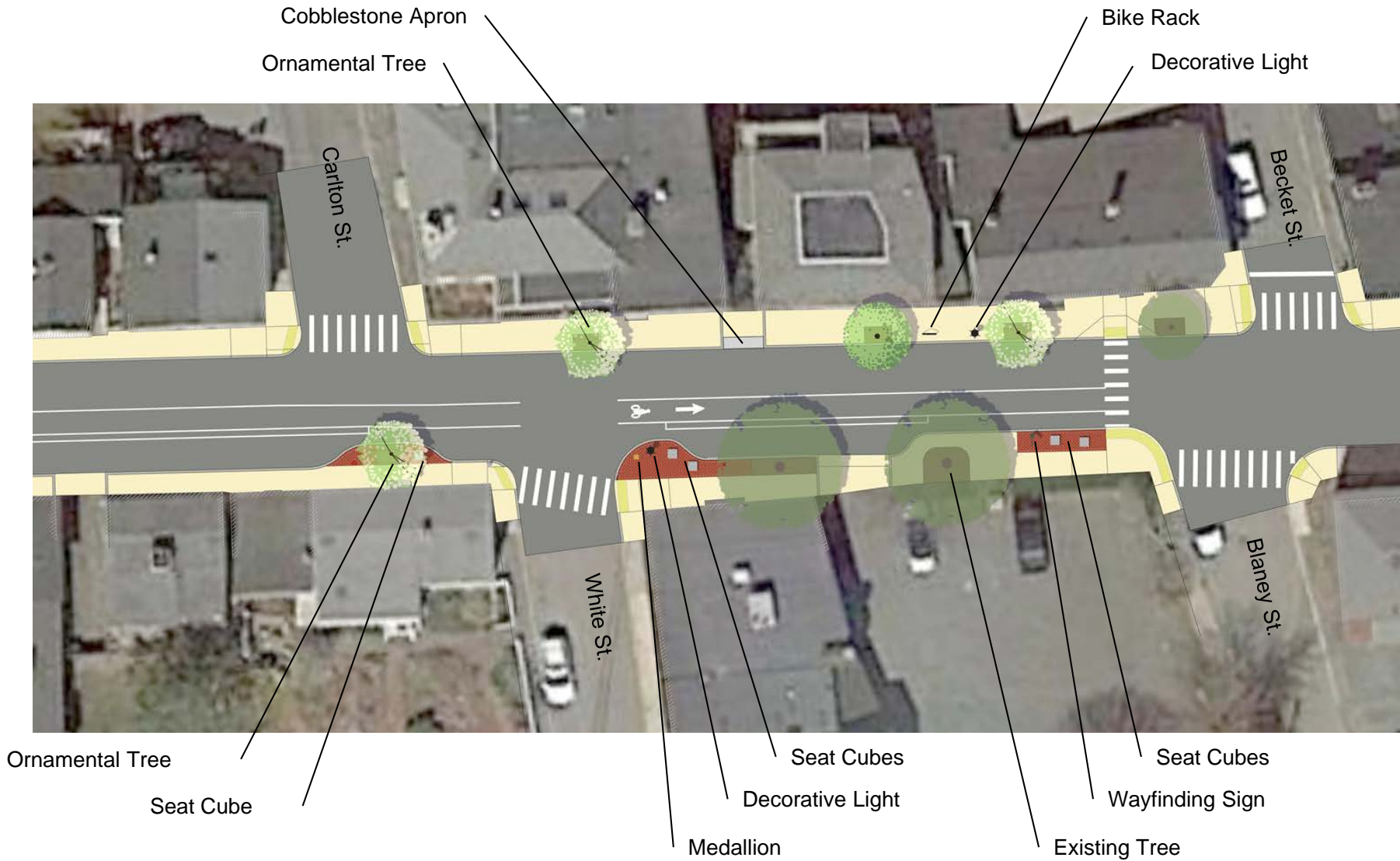
Sidewalk Improvements Enlargements



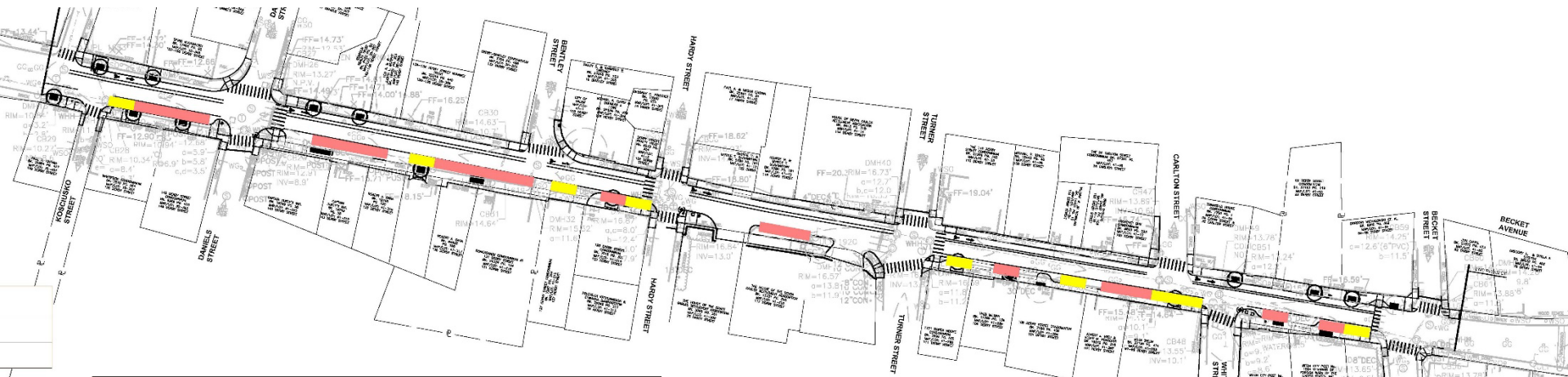
Sidewalk Improvements Enlargements




Sidewalk Improvements Enlargements



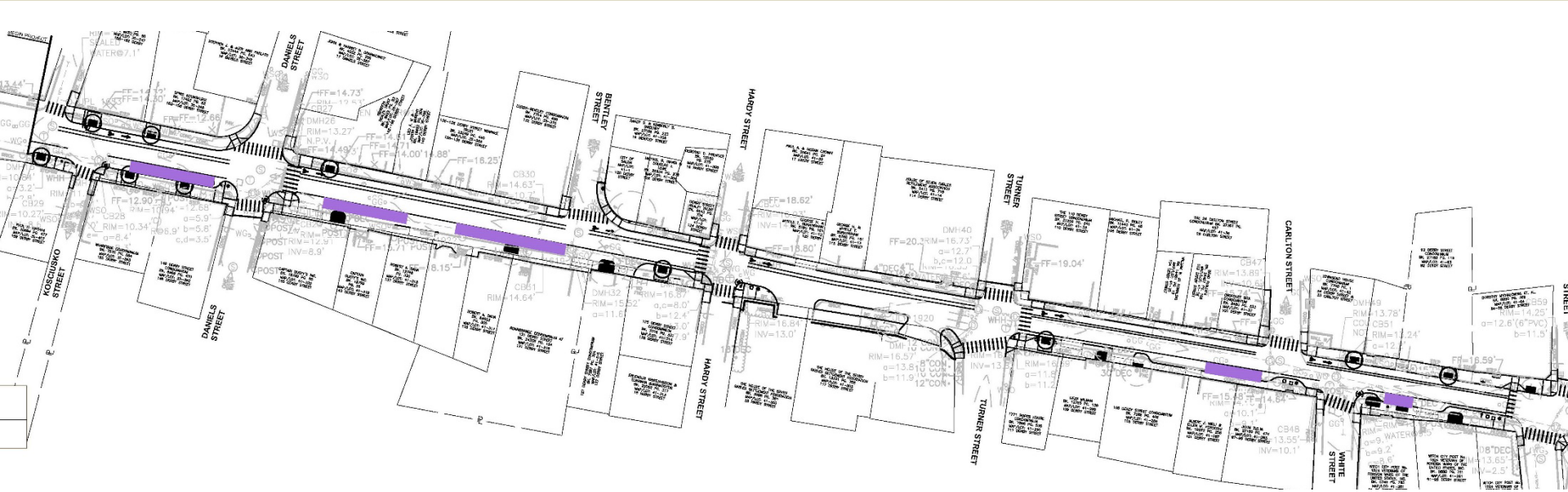
Parking – Existing



LEGEND	
	EXISTING LEGAL PARKING SPACE (18)
	EXISTING ILLEGAL PARKING SPACE BY MUTCD STANDARDS (9)

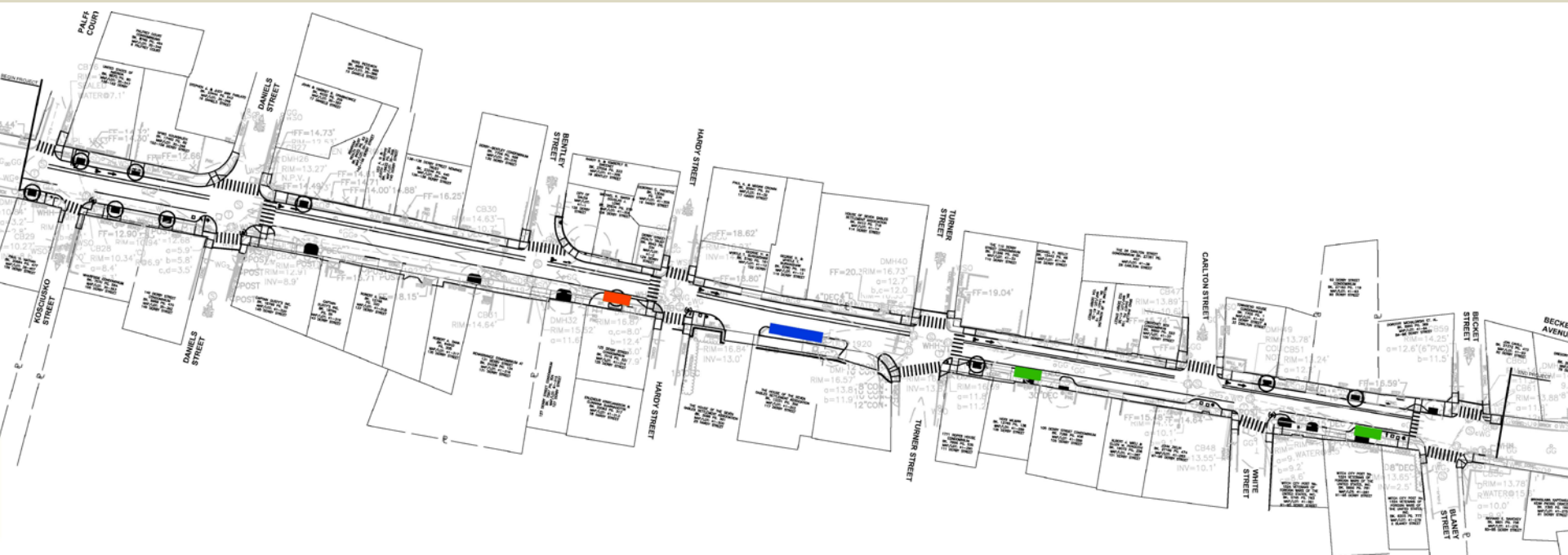
- Total number of parking spaces on Derby Street
 - 18 spaces legal
 - 9 spaces illegal (w/in 20ft of intersection and 4ft from driveways)

Parking – Proposed



- Proposed Parking
 - Total number 13

Parking – Removed



- Spaces removed due to trees 2
- Spaces removed due to bike lane 2
- Spaces removed due to stairs (ADA clearance) 1

Bicycle Accommodations

On – Road Improvements

- Bike lanes have been provided on Derby Street from Washington Street to Orange Street
- Right side buffered bike lane will be proposed from Orange Street to Webb Street

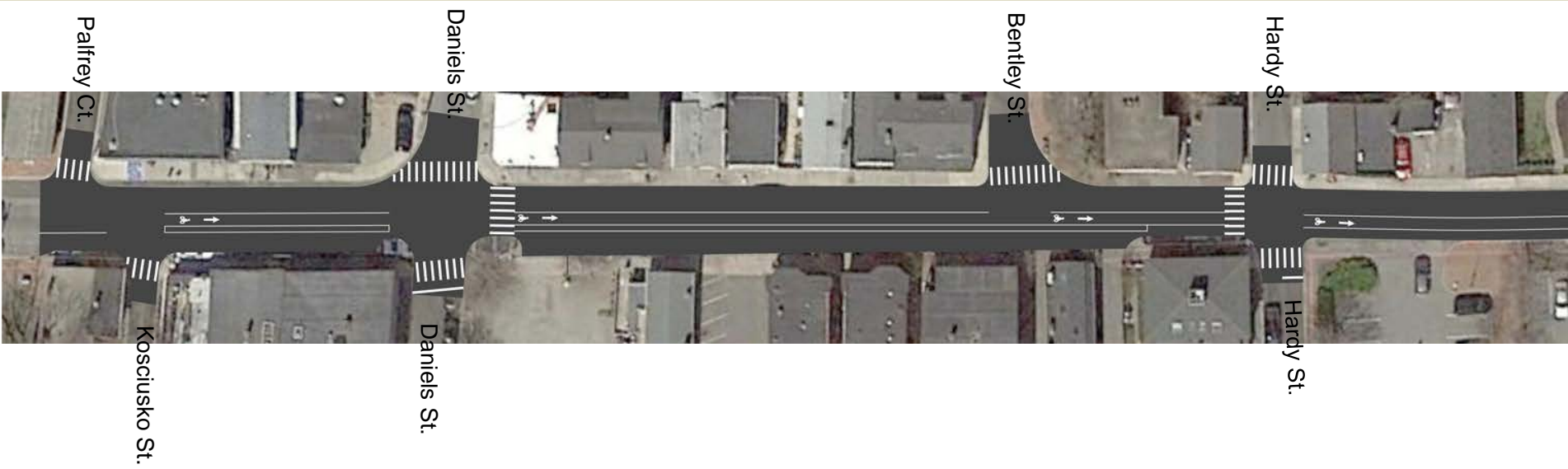
On-road bike accommodations

Derby Street minimum width: 25 ft

- Reduce parking stall width to 7-8 ft
- Reduce travel lane to 10.5 ft
- Reduce bike lane to 5 ft
- Provide a 1.5 ft – 2.5 ft buffer.
- Clear width for emergency access: 16 ft



On-road bike accommodations



Next Steps

Phase 1

- Finalize Plans based on City feedback
 - Consider/incorporate raised crosswalk and side street crosswalks at key locations
- Advertise project
- Construction start 2020