

Blue Hills Neighborhood Traffic Calming Workshop

August 10, 2023





Introductions

- Grace Yi – City of Hartford – Senior Planner
- Sebastian Tata – City of Hartford – Department of Public Works
- Jill Turlo – Hartford Parking Authority - CEO
- Kenny Gonzalez – Hartford Parking Authority
- Parker Sorenson, PE – FHI Studio – Consultant Project Manager
- Joe McDonnell – FHI Studio



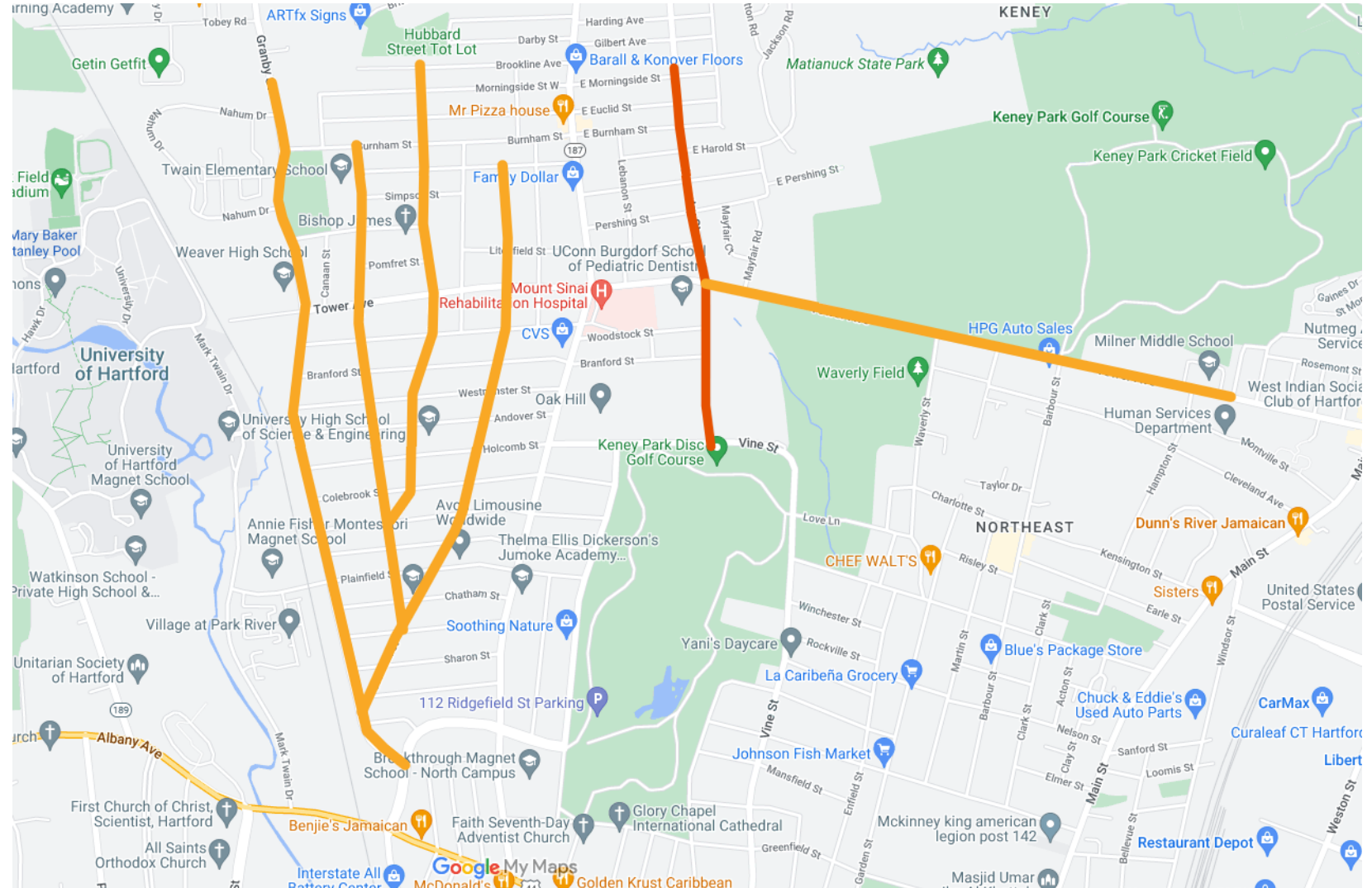
Today's Agenda

- Presentation – 30 minutes
 - Project Overview
 - Project Approach – How we identified areas to receive treatment
 - Countermeasure Descriptions
- Breakout Groups – Countermeasures recommended by Street – 45 minutes
- Wrap-up Presentation – 15 mins (regroup at 7:15)



Project Area

- Granby Street
- Cornwall Street
- Lyme Street
- Palm Street
- Tower Avenue
- Coventry Street





Project Goals

- Safety improvements for ALL users
- Traffic calming (slower vehicle speeds) in neighborhood
- Consider additional bicycle and pedestrian infrastructure where possible, which also helps encourage healthy exercise and recreation



Project Approach

- Quick-build focus (paint, flex posts, signage, etc.)
- A look to the future in making quick-build projects permanent (e.g. with curbing)



What We Heard

- May 8, 2023 – Public Workshop
- Other engagement included: mailers, emails, and calls
- Takeaways include:
 - Concerns in all areas on all streets. Comprehensive and thoughtful process required to identify locations
 - Urgency of the issue. Quick response to most critical areas first
 - Concern for overall aesthetic
 - And more...



What We've Completed

- Site Visit - June 22, 2023
- Comprehensive review of treatments
- Presenting Today:
 - Locations
 - Treatment Types





Next Steps After Today's Workshop

- Comment Period on approach to Blue Hills traffic calming
 - "What" and "Where"
- Following review of comments, project approach may be revised. Plan sets (the "details") will then be created and posted online



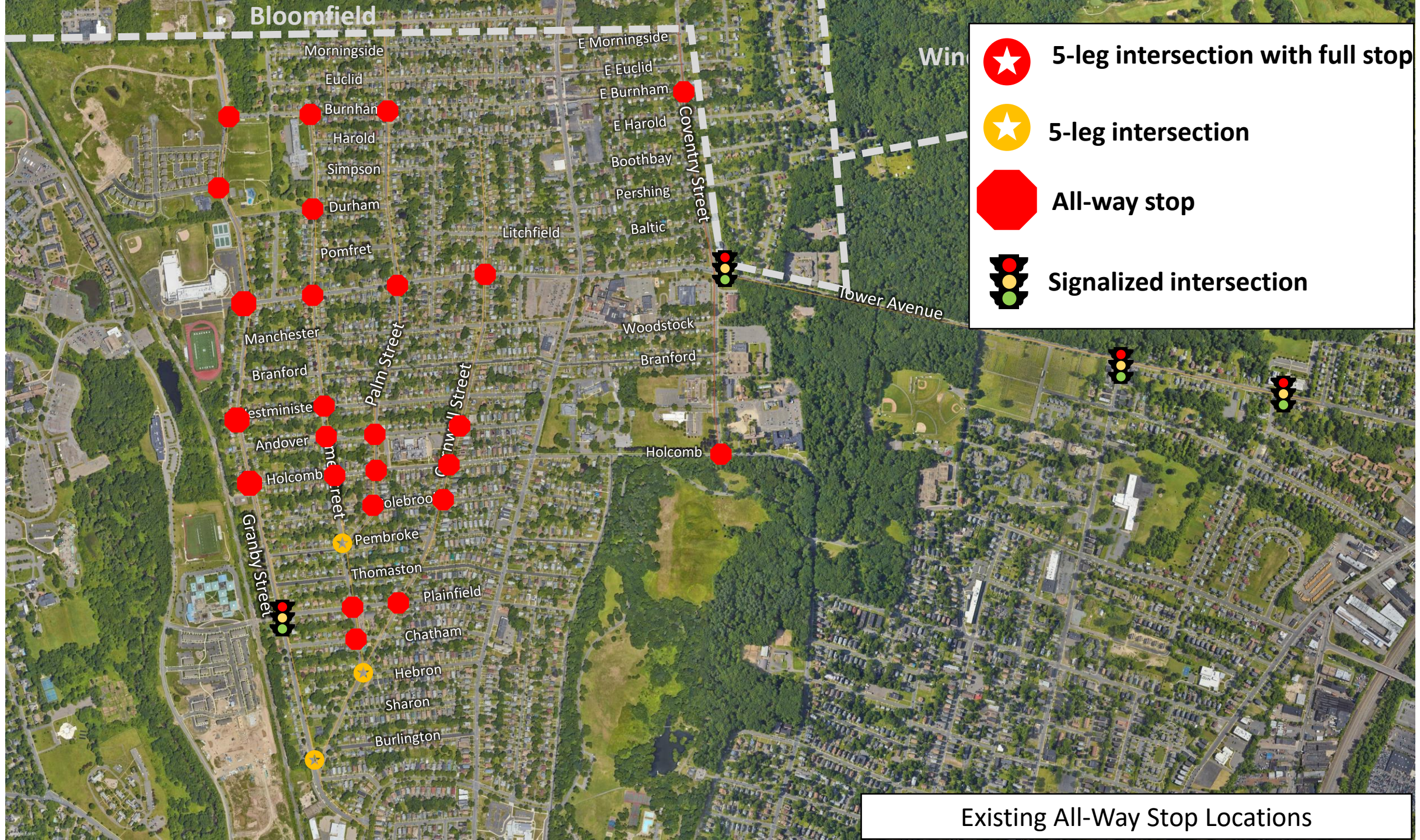
Project Approach to Identify Locations







Project Approach

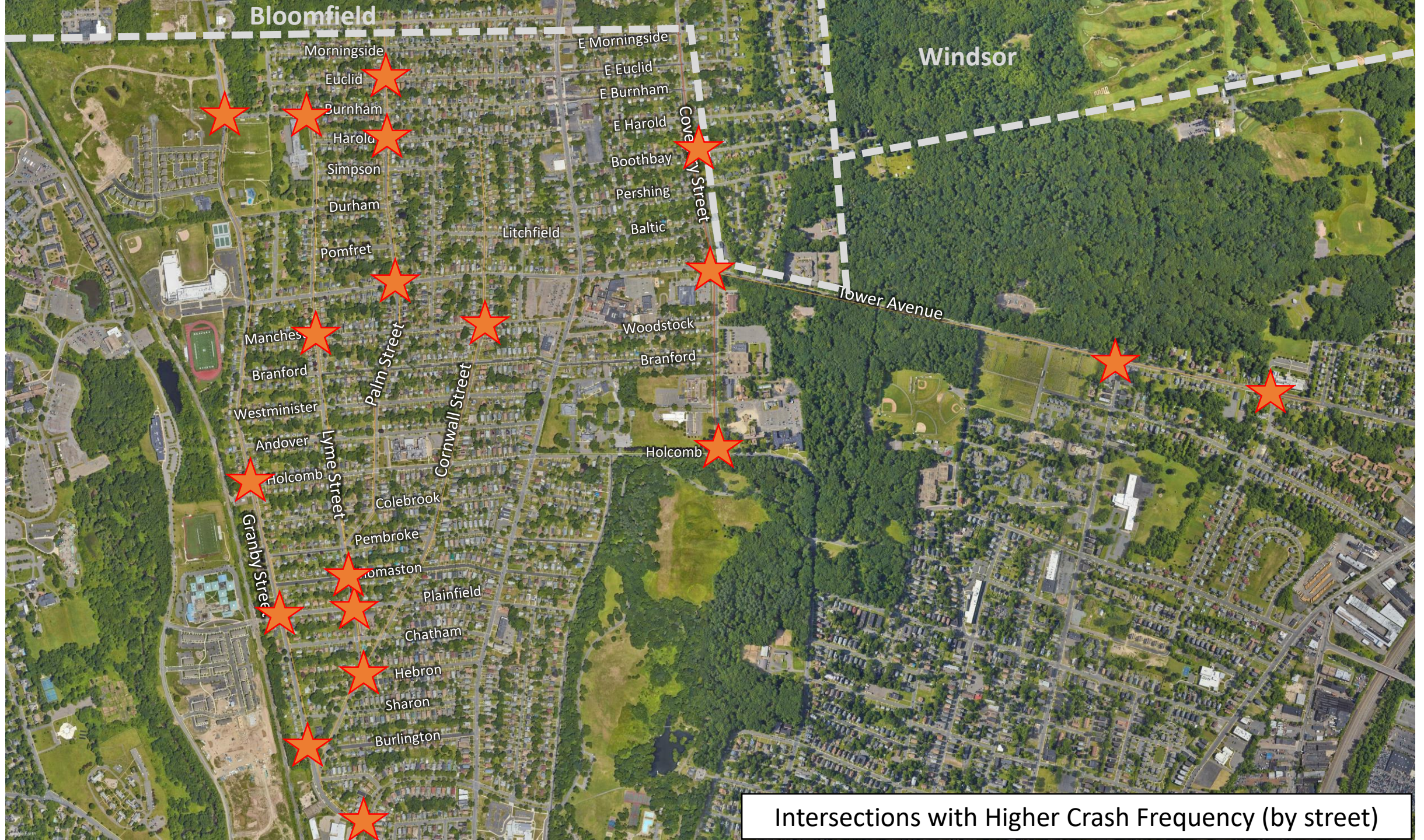
1. All-way Stop: Review locations to ensure consistency based on a) safety, b) school locations and c) traffic patterns
2. Speed Control Spacing: 500-ft max spacing (per Federal Highway Administration) with more frequent countermeasures near schools
3. Bicycle Network Facilities: Review Hartford Bike Plan and align with area characteristics
4. Unique Areas: Review unique intersection at a) Granby and Cornwall, b) Cornwall and Lyme, and c) Lyme, Pembroke, and Palm

Note on Speed Limits: Recommend 25 MPH for all streets (Tower, Cornwall, Granby, and Coventry reduction in Speed Limit)



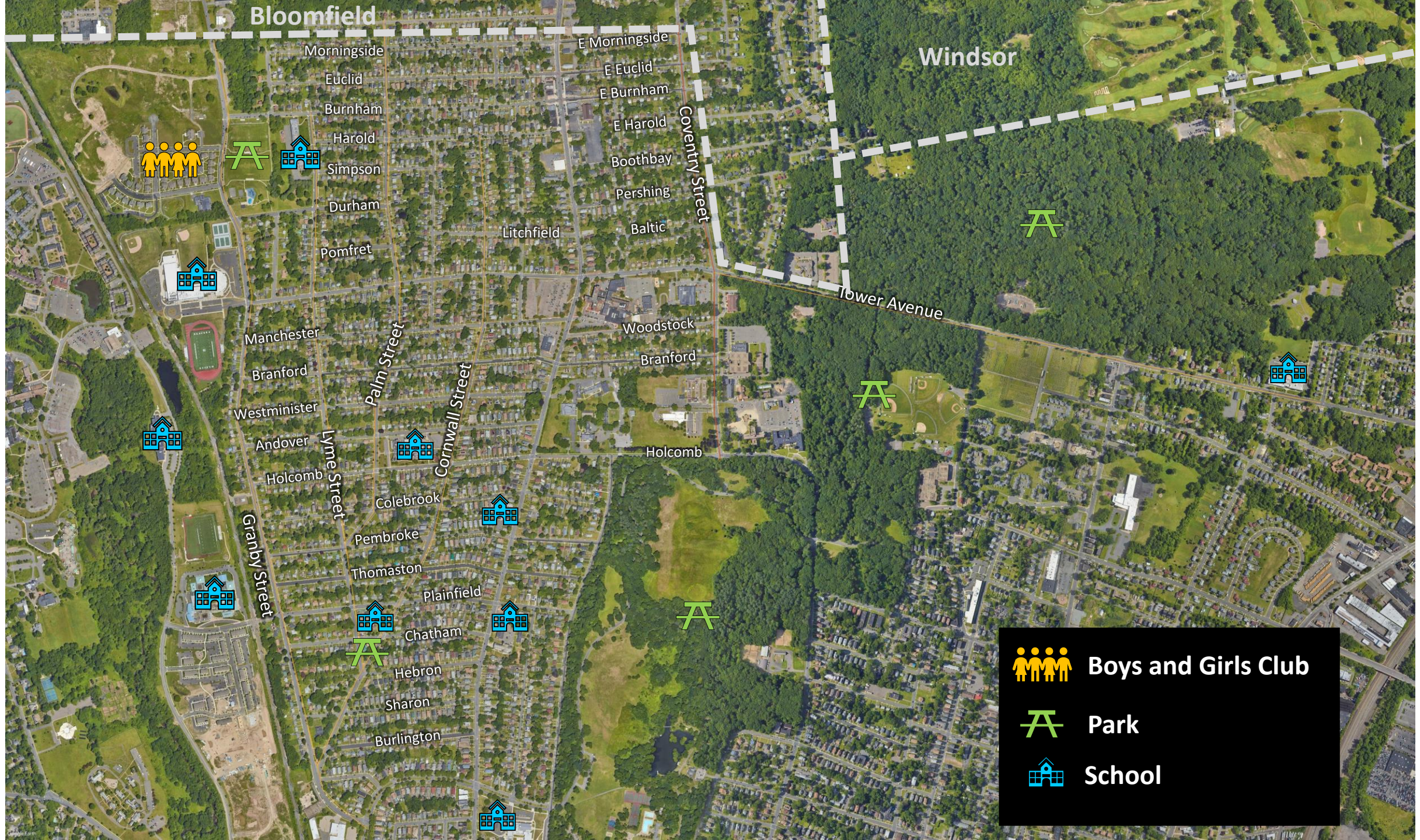
-  5-leg intersection with full stop
-  5-leg intersection
-  All-way stop
-  Signalized intersection

Existing All-Way Stop Locations





Side streets with E/W connectivity





Bloomfield


Windsor

Coventry Street

Lower Avenue

**Boys and Girls Club**

**Park**

**School**



Bloomfield

Windsor

Morningside

E Morningside

Euclid

E Euclid

Burnham

E Burnham

Harold

E Harold

Simpson

Boothbay

Durham

Pershing

Pomfret

Litchfield

Baltic

Manches

Woodstock

Branford

Branford

Westminister

Andover

Holcomb

Holcomb

Colebrook

Pembroke

Tomaston

Plainfield

Chatham

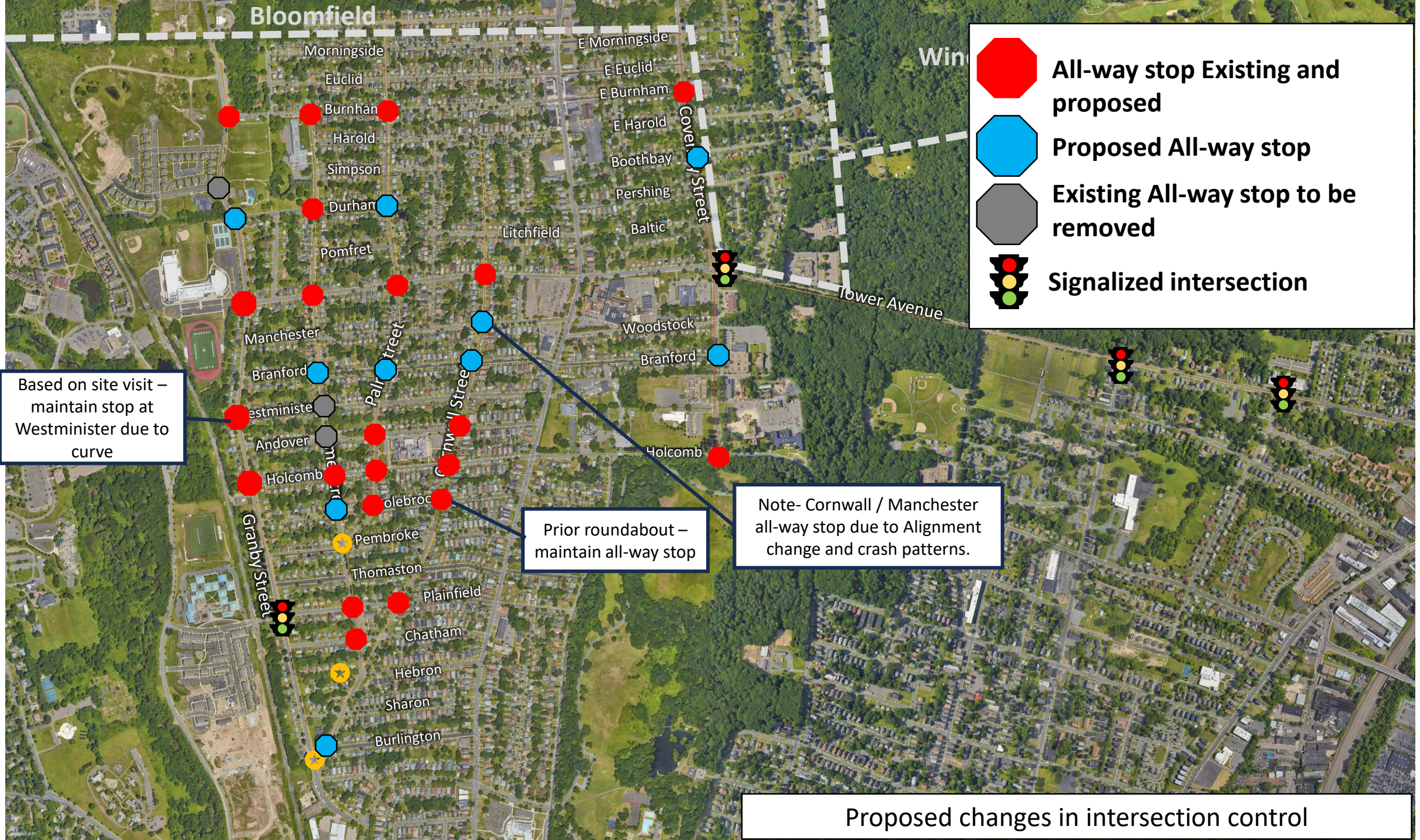
Hebron

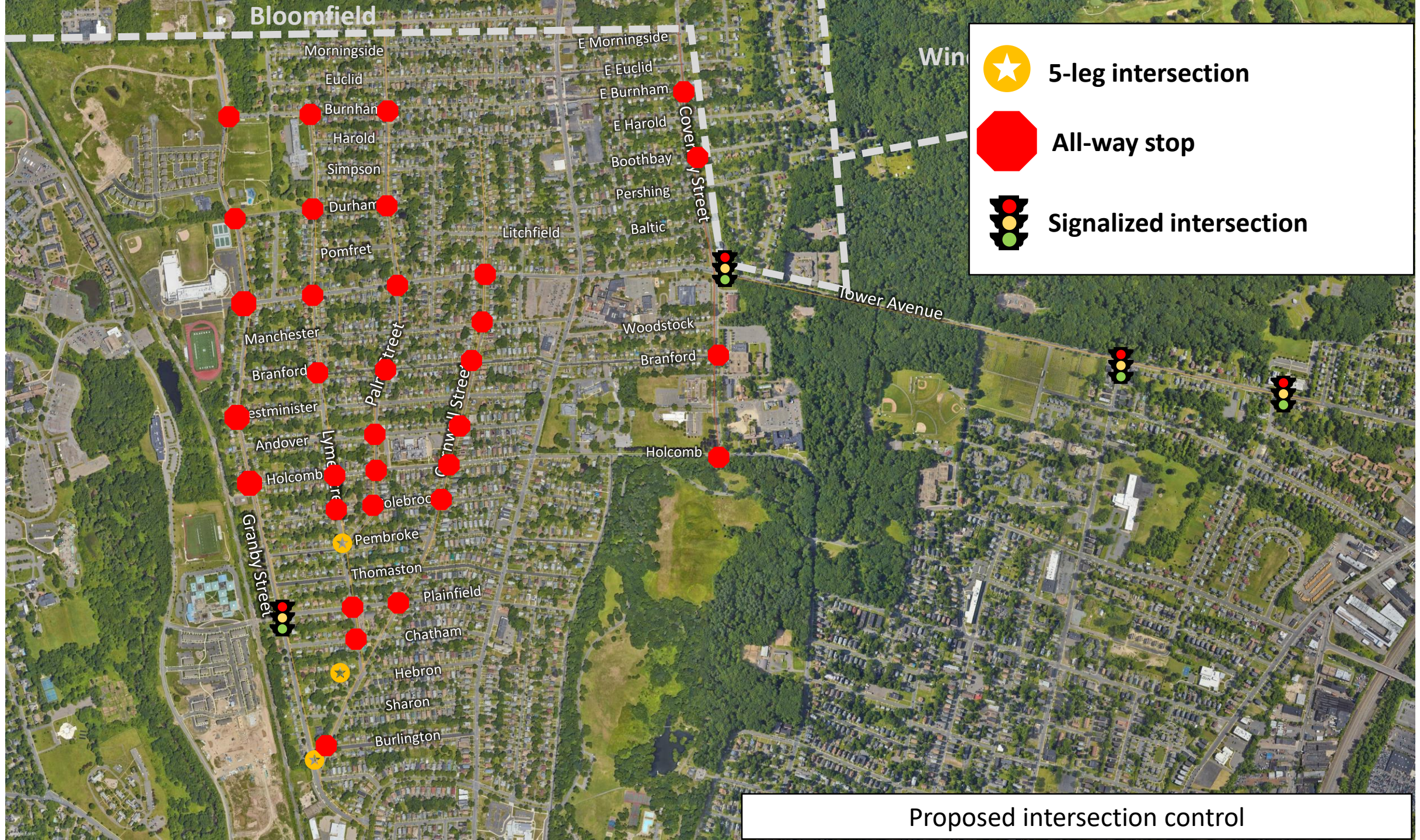
Sharon

Burlington

Lower Avenue

All Layers









Intersection treatment

Segment Treatment

Proposed speed control countermeasure locations based on spacing requirements.



Draft Recommendations

Blue Hills

Proposed Countermeasures

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop

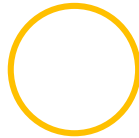
Mini Island

Lateral Shift

Bike Sharrows



Hardened
Centerline



Mini Roundabout

Pinch Point

Bike Lane



Narrow
Edgelines

Bumpouts



Yield Point

Buffered Bike Lane

Hardened Centerline

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Hardened
Centerline



Narrow
Edgelines

Mini Island



Mini Roundabout

Bumpouts

Lateral Shift

Pinch Point

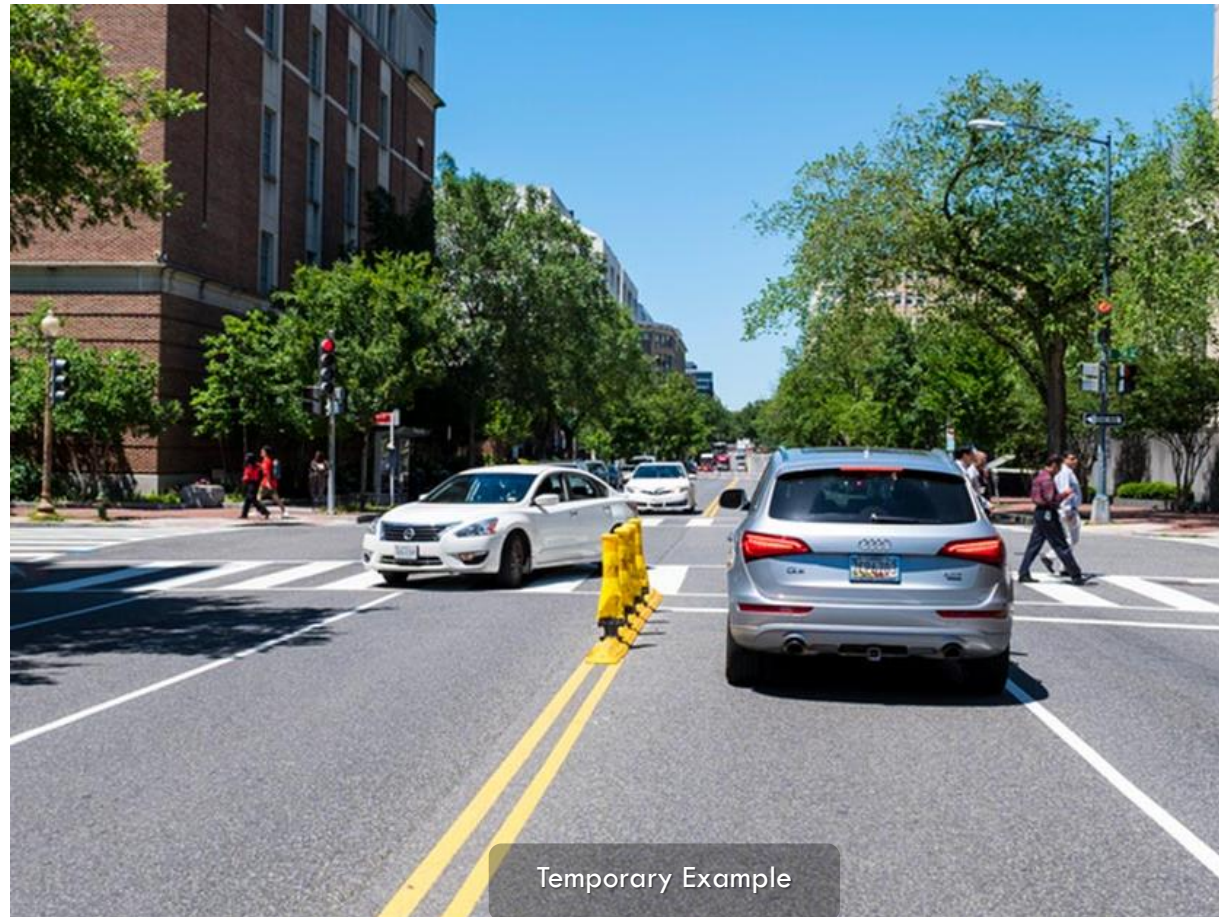


Yield Point

Bike Sharrows

Bike Lane

Buffered Bike
Lane



Temporary Example



Low-Profile Temporary Example

Narrow Edgelines

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Hardened
Centerline



Narrow
Edgelines



Mini Island



Mini Roundabout



Bumpouts



Lateral Shift



Pinch Point



Yield Point



Bike Sharrows



Bike Lane



Buffered Bike Lane



Hampton Street

Mini Island

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Mini Island



Lateral Shift



Bike Sharrows



Hardened
Centerline



Mini Roundabout



Pinch Point



Bike Lane



Narrow
Edgelines



Bumpouts



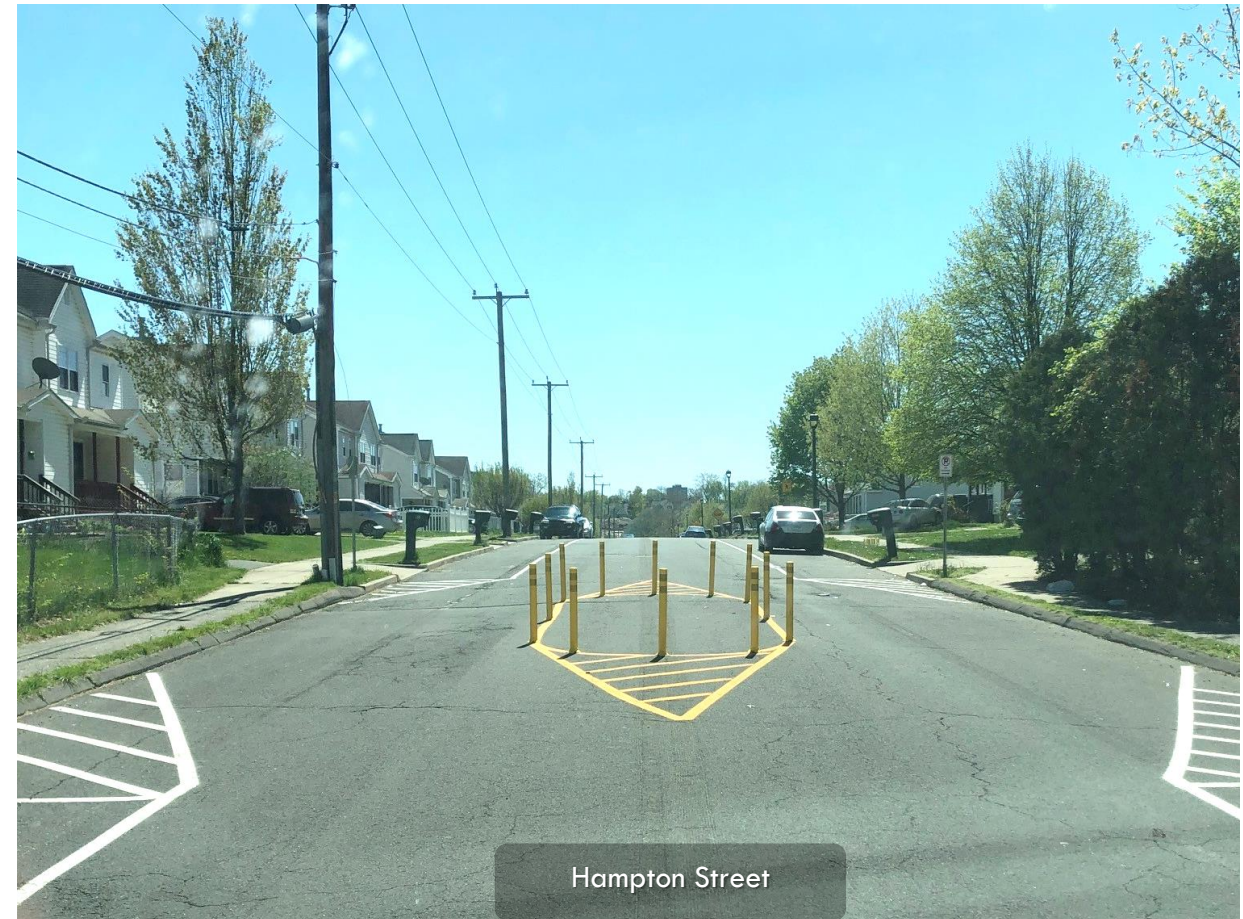
Yield Point



Buffered Bike Lane



Cornwall Street



Hampton Street

Mini Roundabout

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Hardened
Centerline



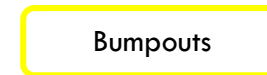
Narrow
Edgelines



Mini Island



Mini Roundabout



Bumpouts



Lateral Shift



Pinch Point



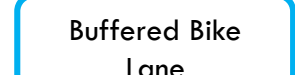
Yield Point



Bike Sharrows



Bike Lane



Buffered Bike Lane



Example Temporary Solution



Example Permanent Solution

Bumpouts

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop

Mini Island

Lateral Shift

Bike Sharrows



Hardened
Centerline



Mini Roundabout

Pinch Point

Bike Lane



Narrow
Edgelines

Bumpouts



Yield Point

Buffered Bike
Lane



Lateral Shift

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop

Mini Island

Lateral Shift

Bike Sharrows



Hardened
Centerline



Mini Roundabout

Pinch Point

Bike Lane



Narrow
Edgelines

Bumpouts



Yield Point

Buffered Bike
Lane

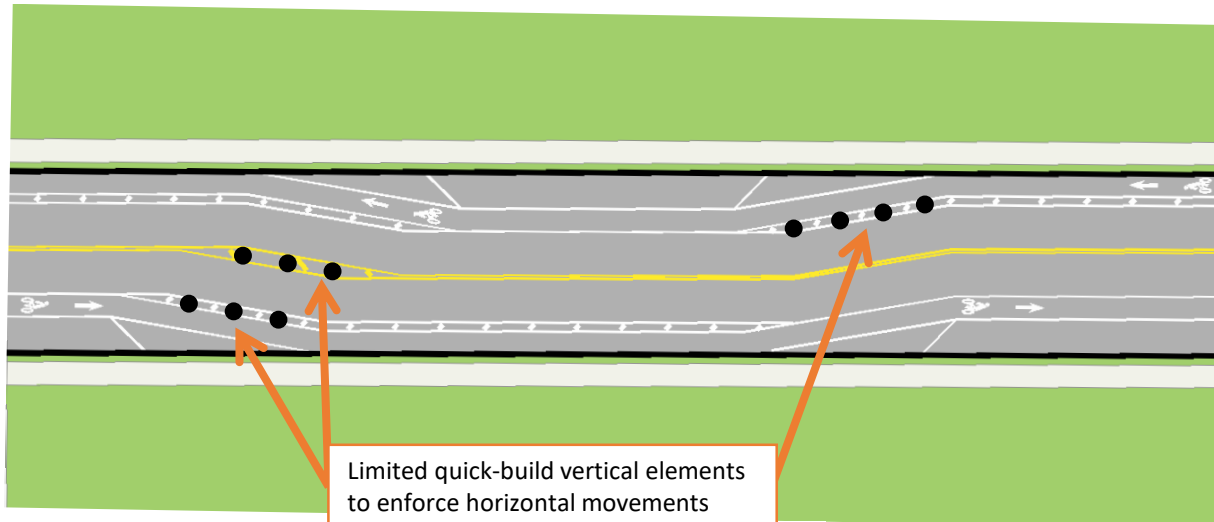


Diagram Example with Vertical Elements to Enforce Shift



Pinch Point

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop

Mini Island

Lateral Shift

Bike Sharrows



Hardened
Centerline



Mini Roundabout

Pinch Point

Bike Lane



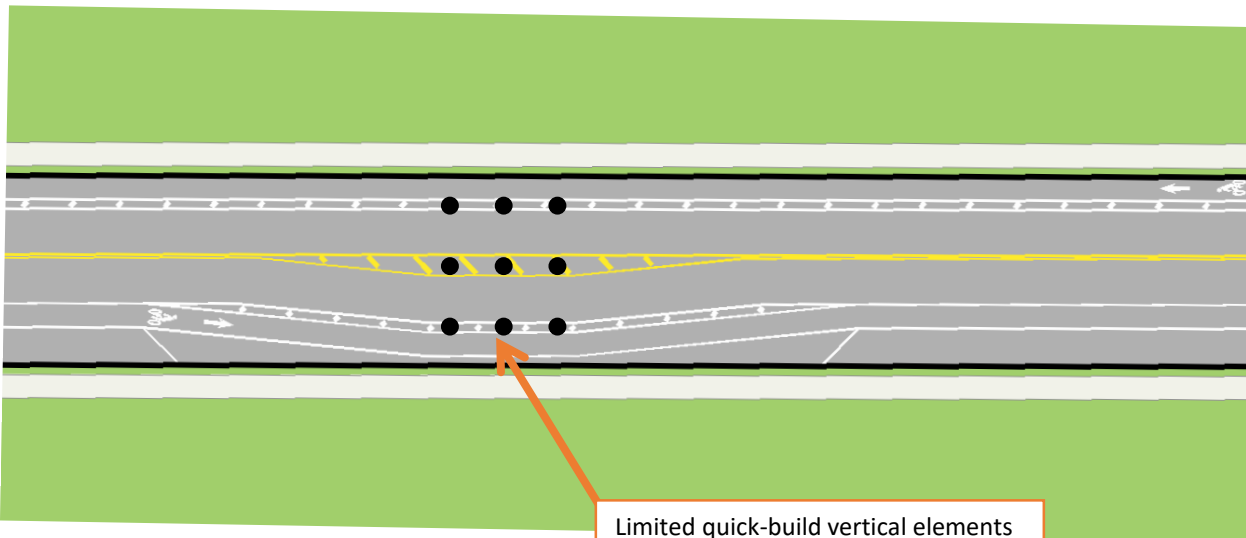
Narrow
Edgelines

Bumpouts



Yield Point

Buffered Bike
Lane



Limited quick-build vertical elements
to enforce pinch point

Diagram Example with Vertical Elements to Enforce Pinch Point



Pinch Point Example with Permanent Materials

Yield Point

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Hardened
Centerline



Narrow
Edgelines



Mini Island



Mini Roundabout



Lateral Shift



Pinch Point



Bumpouts



Yield Point



Bike Sharrows



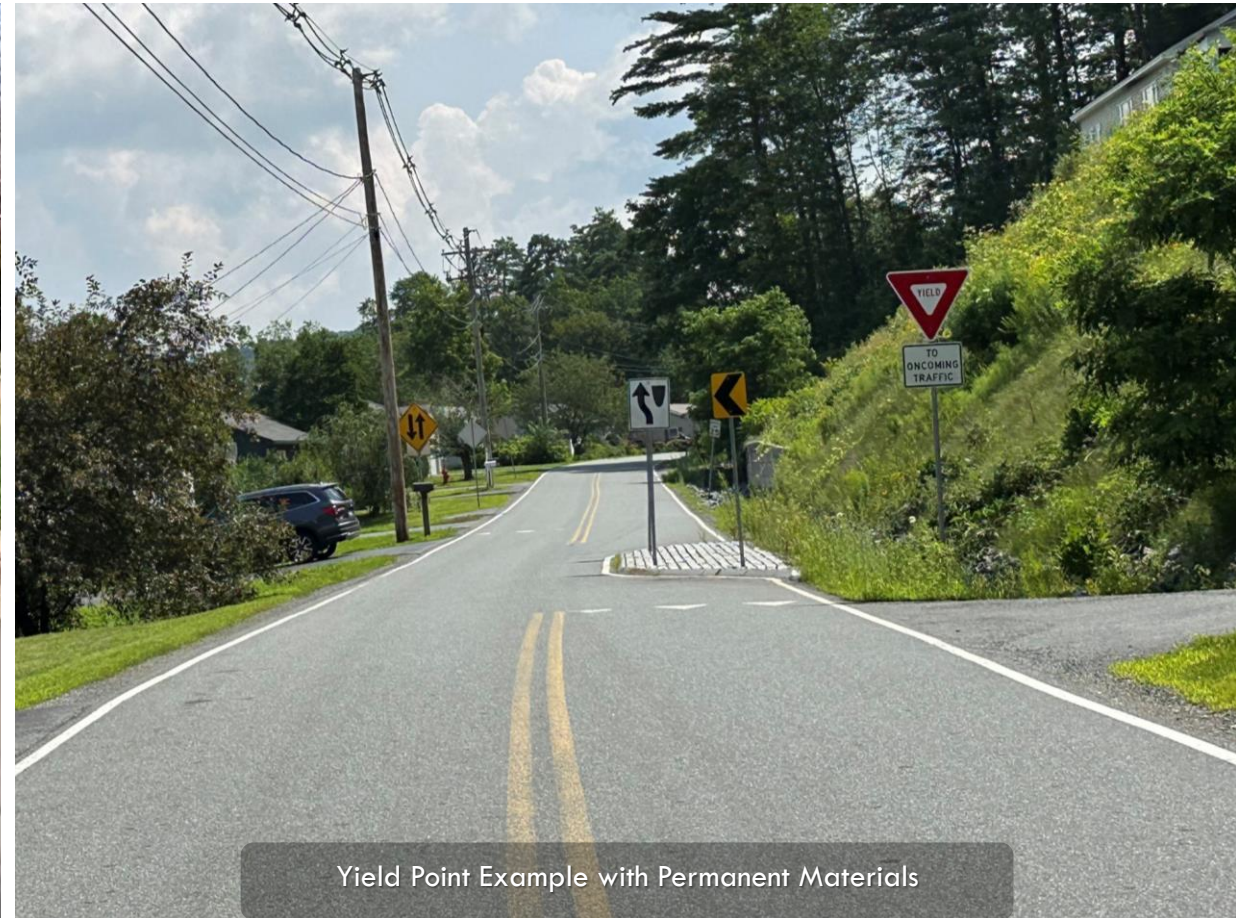
Bike Lane



Buffered Bike Lane



Yield Point Example with Temporary Materials



Yield Point Example with Permanent Materials

Bike “Sharrows”

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Mini Island



Lateral Shift



Bike Sharrows



Hardened
Centerline



Mini Roundabout



Pinch Point



Bike Lane



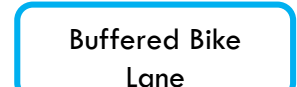
Narrow
Edgelines



Bumpouts



Yield Point



Buffered Bike
Lane



Hampton Street

Bike Lane

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Mini Island



Lateral Shift



Bike Sharrows



Hardened
Centerline



Mini Roundabout



Pinch Point



Bike Lane



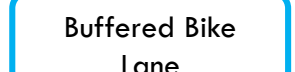
Narrow
Edgelines



Bumpouts



Yield Point



Buffered Bike Lane



Buffered Bike Lane

For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop

Mini Island

Lateral Shift

Bike Sharrows



Hardened
Centerline



Mini Roundabout

Pinch Point

Bike Lane



Narrow
Edgelines

Bumpouts



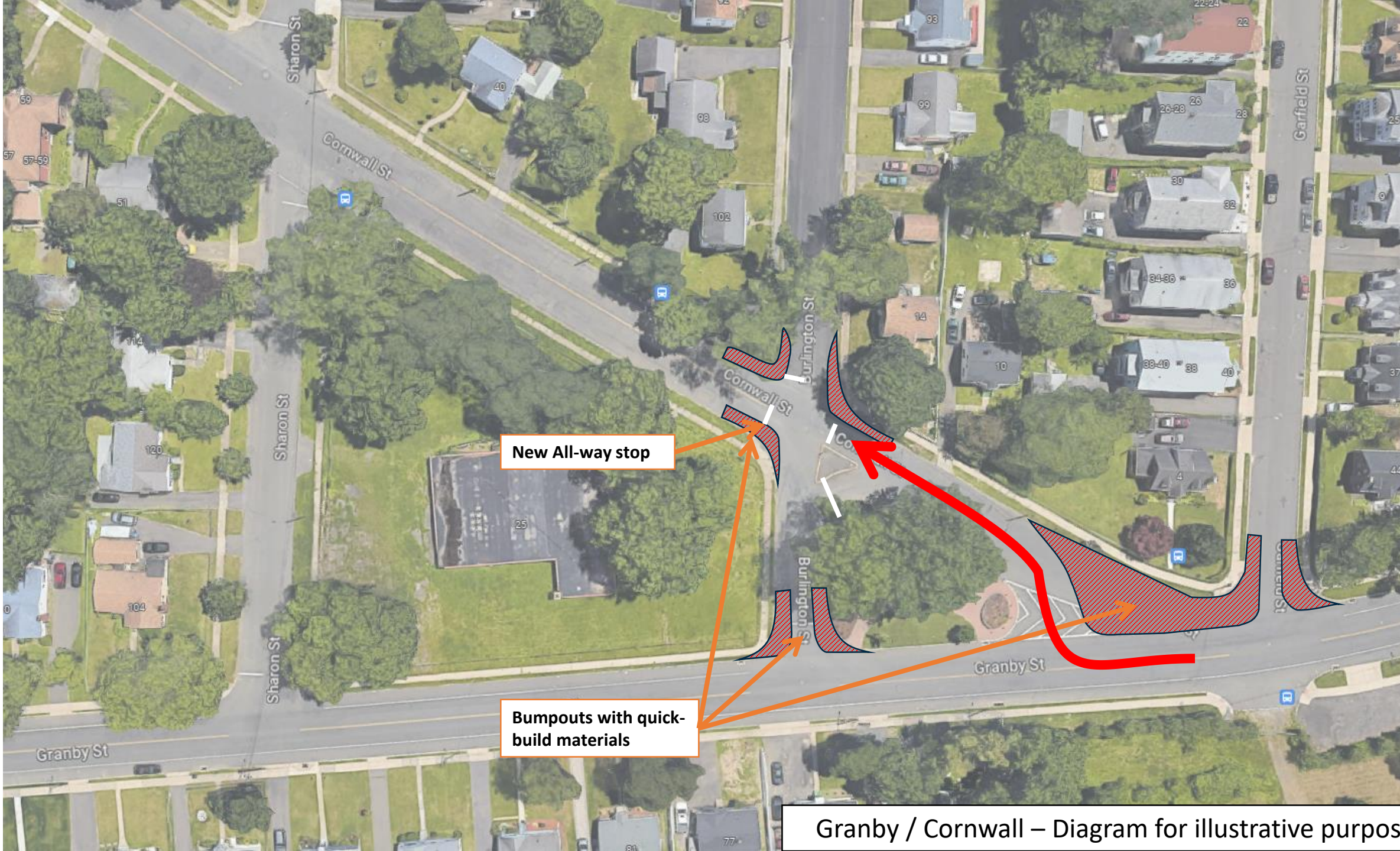
Yield Point

Buffered Bike
Lane





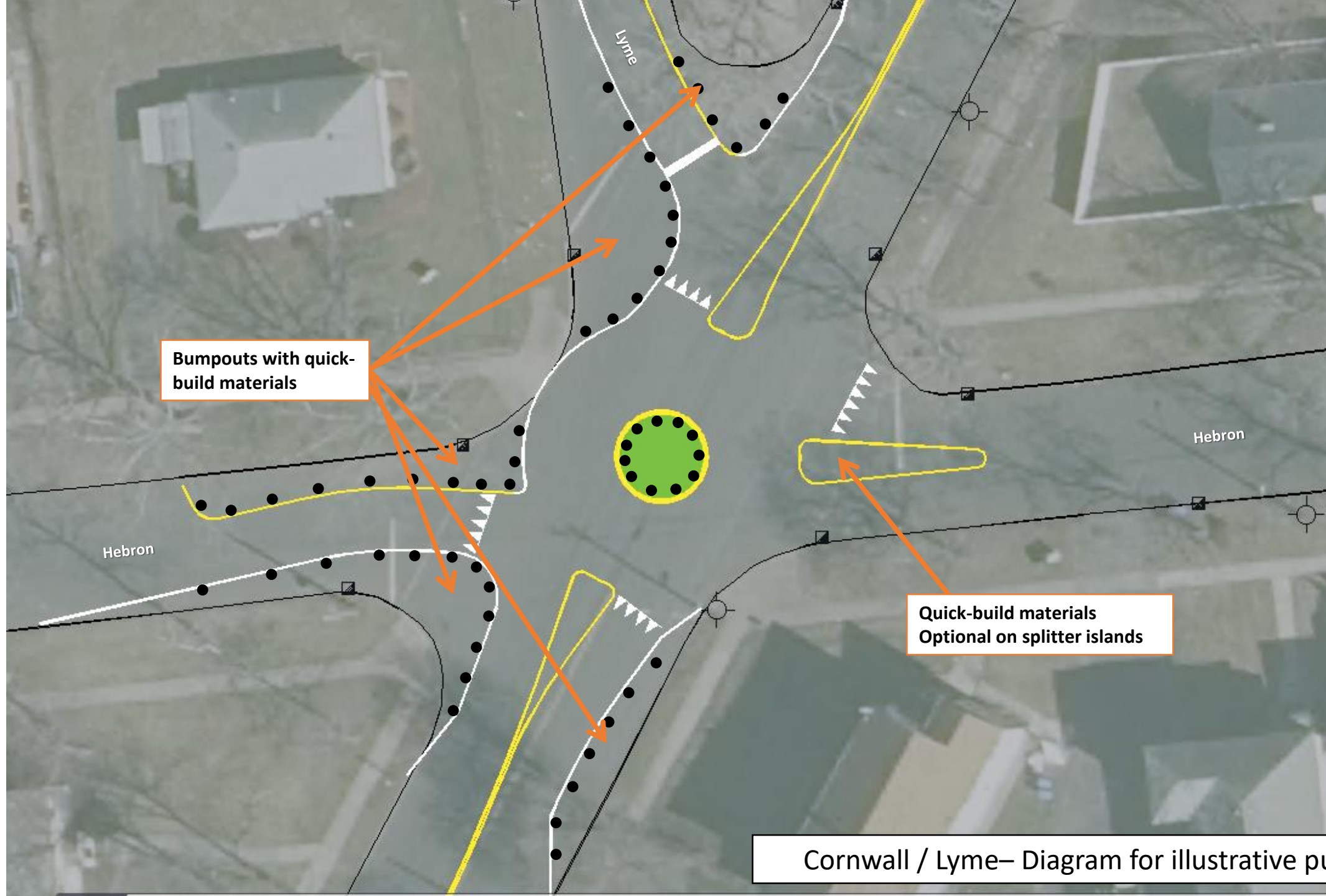
Unique Areas



New All-way stop

Bumpouts with quick-build materials

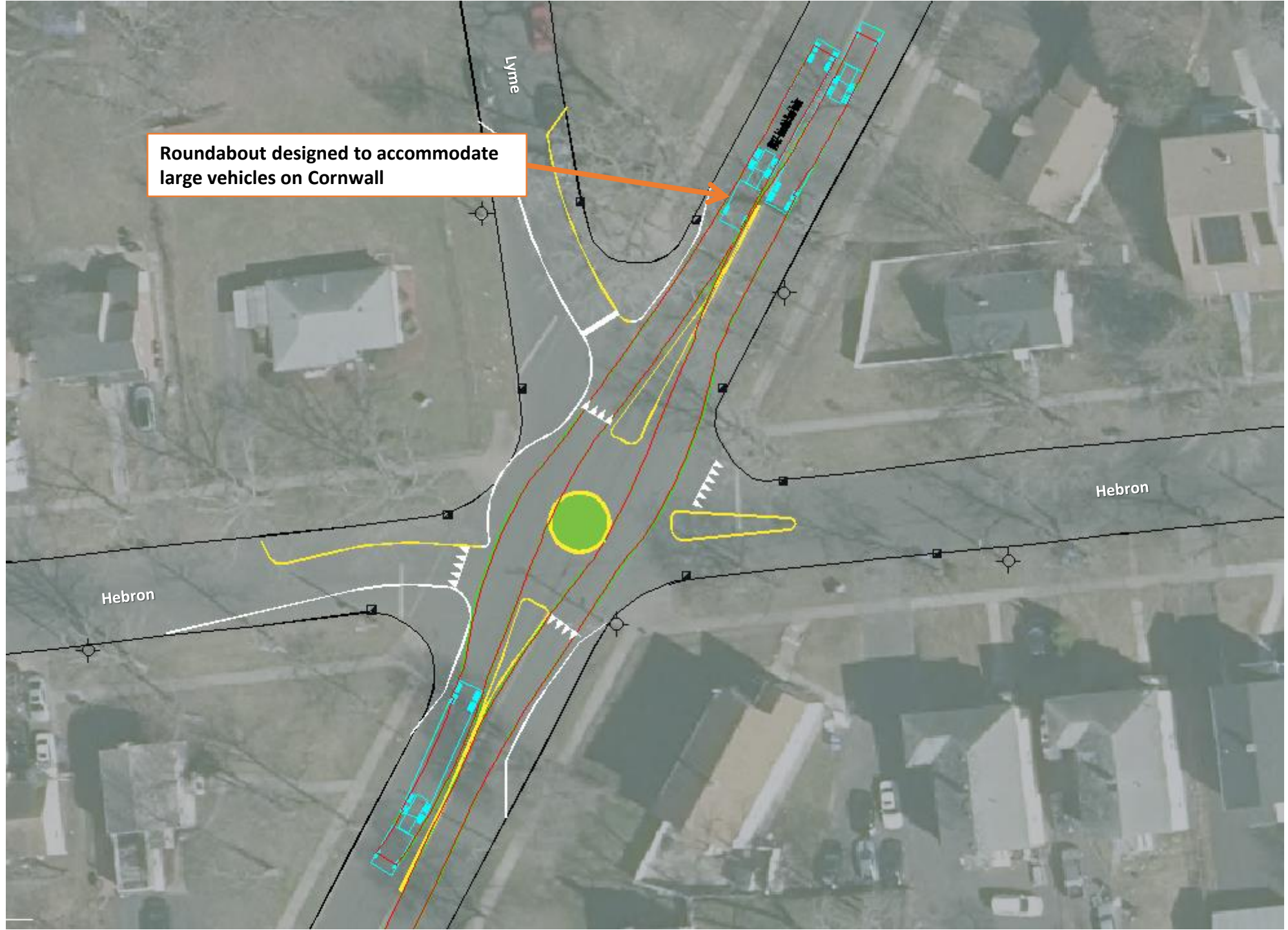
Granby / Cornwall – Diagram for illustrative purposes

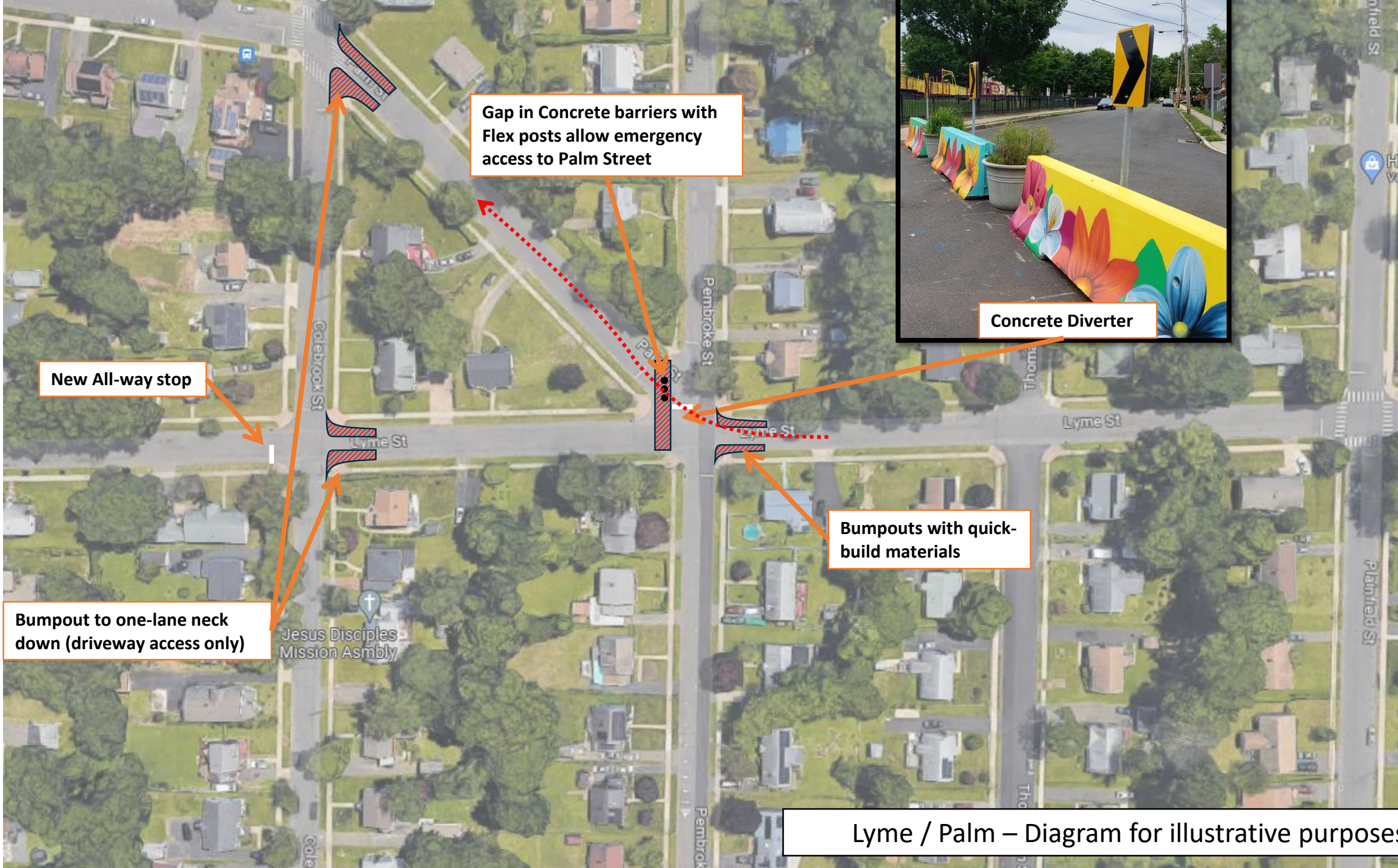


Bumpouts with quick-build materials

**Quick-build materials
Optional on splitter islands**

Cornwall / Lyme– Diagram for illustrative purposes





Gap in Concrete barriers with Flex posts allow emergency access to Palm Street



Concrete Diverter

New All-way stop

Bumpout to one-lane neck down (driveway access only)

Bumpouts with quick-build materials

Lyme / Palm – Diagram for illustrative purposes



Breakout



Next Steps



Granby Street

- Narrower Travel Lanes (10-ft)
- Bike Lanes in Both Directions
- Parking
 - West side only south of Weaver HS
 - Both sides near Cronin Park
- Bumpouts at all stop controlled / signalized intersections (6 locations)
- 7 additional treatments in segment (Lateral Shifts or Pinch Points)



Cornwall Street

- Granby and Cornwall Gateway
- Cornwall and Lyme Mini-Roundabout
- Bumpouts at all stop-controlled intersections (6 locations)
- Bike lanes between Granby and Lyme (Parking west side)
- 6 additional treatments in segment (Mini Islands and Pinch Points)
- Centerline Removal with Edgelines Lyme to Manchester
 - Parking both sides to Holcomb
 - Alternating between Tower and Holcomb



Lyme Street

- Full Closure north of Pembroke to limit through traffic
- 6 stop-controlled intersections with bumpouts
- 3 additional treatments in segment (Mini Islands)
- Bike Sharrows between Cornwall and Pembroke



Palm Street

- Full Closure north of Pembroke to limit through traffic
- 3 stop-controlled intersections with bumpouts
- 6 additional treatments in segment (Mini Islands)
- Hardened Centerline at Manchester Street (near curve)
- Centerline removal north of Durham Street
- Bike Sharrows between Pembroke Street and Morningside Street West



Coventry Street

- South of Tower
 - Bike Sharrows
 - Bumpouts at Branford (new stop) and Holcomb
 - 6 additional treatments in segment (Pinch Points)
- Review of Tower / Coventry intersection – lane arrangements



Coventry Street

- North of Tower
 - Narrower Travel Lanes (10-ft)
 - Bike Lanes in Both Directions
 - Parking - West side only
 - Bumpouts at all stop controlled intersections (2 locations)
 - 2 additional treatments in segment (Mini island and pinch point)



Tower Avenue

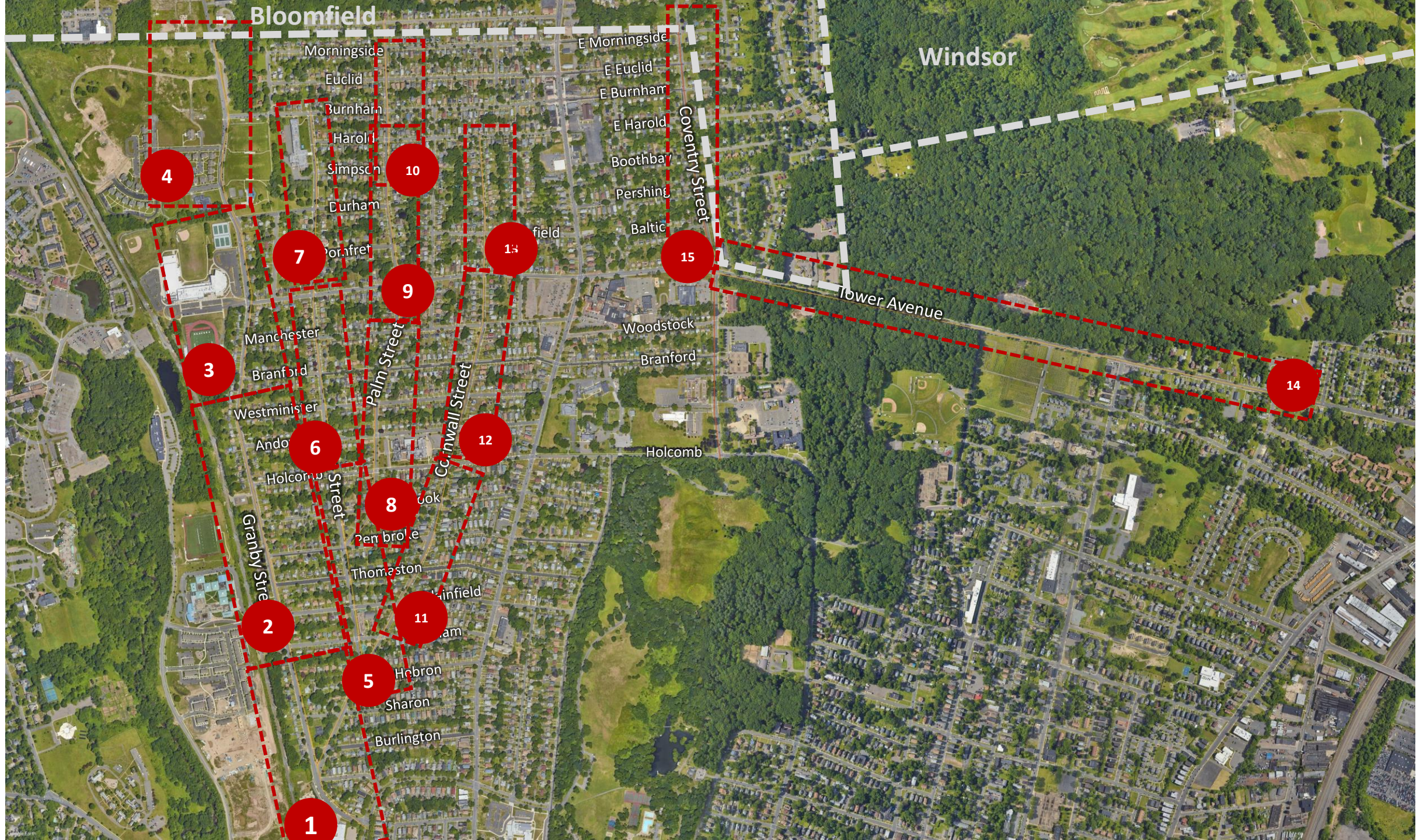
- Mini island similar to Wethersfield Avenue at select location to prevent illegal usage of middle lane
- Bumpouts at Barbour Street



Next Steps

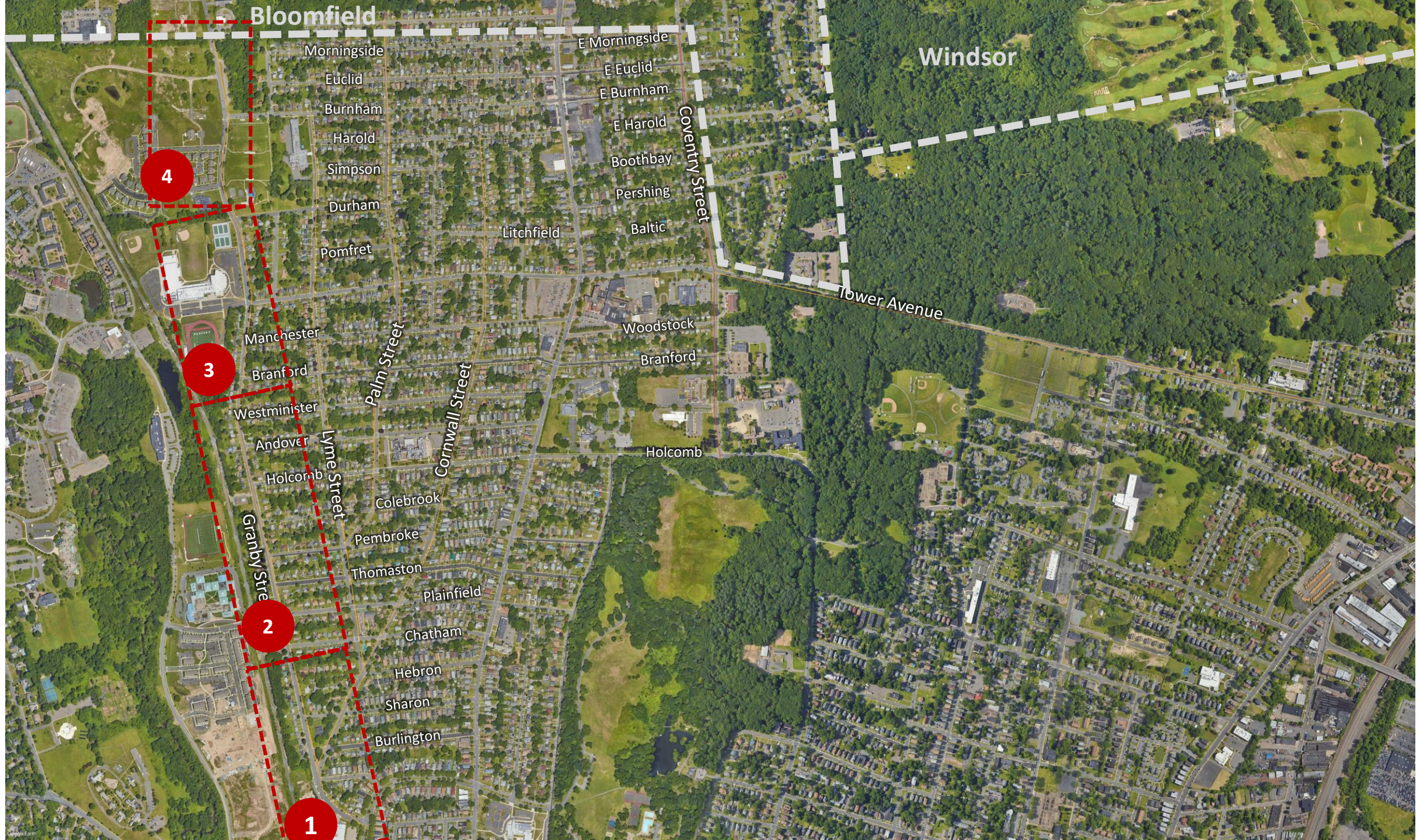
Share comments and questions with us at:
SafeStreets@Hartford.gov or 860-757-9222

Visit www.hartfordct.gov/pz/SlowStreets for meeting materials.





Granby Street



Bloomfield

Windsor

4

3

2

1

Morningside
Euclid
Burnham
Harold
Simpson
Durham
Pomfret

E Morningside
E Euclid
E Burnham
E Harold
Boothbay
Pershing
Baltic

Manchester
Branford
Westminster
Andover
Holcomb

Colebrook
Pembroke
Thomaston
Plainfield
Chatham
Hebron
Sharon
Burlington

Woodstock
Branford

Holcomb

Coventry Street

Lower Avenue

Palm Street

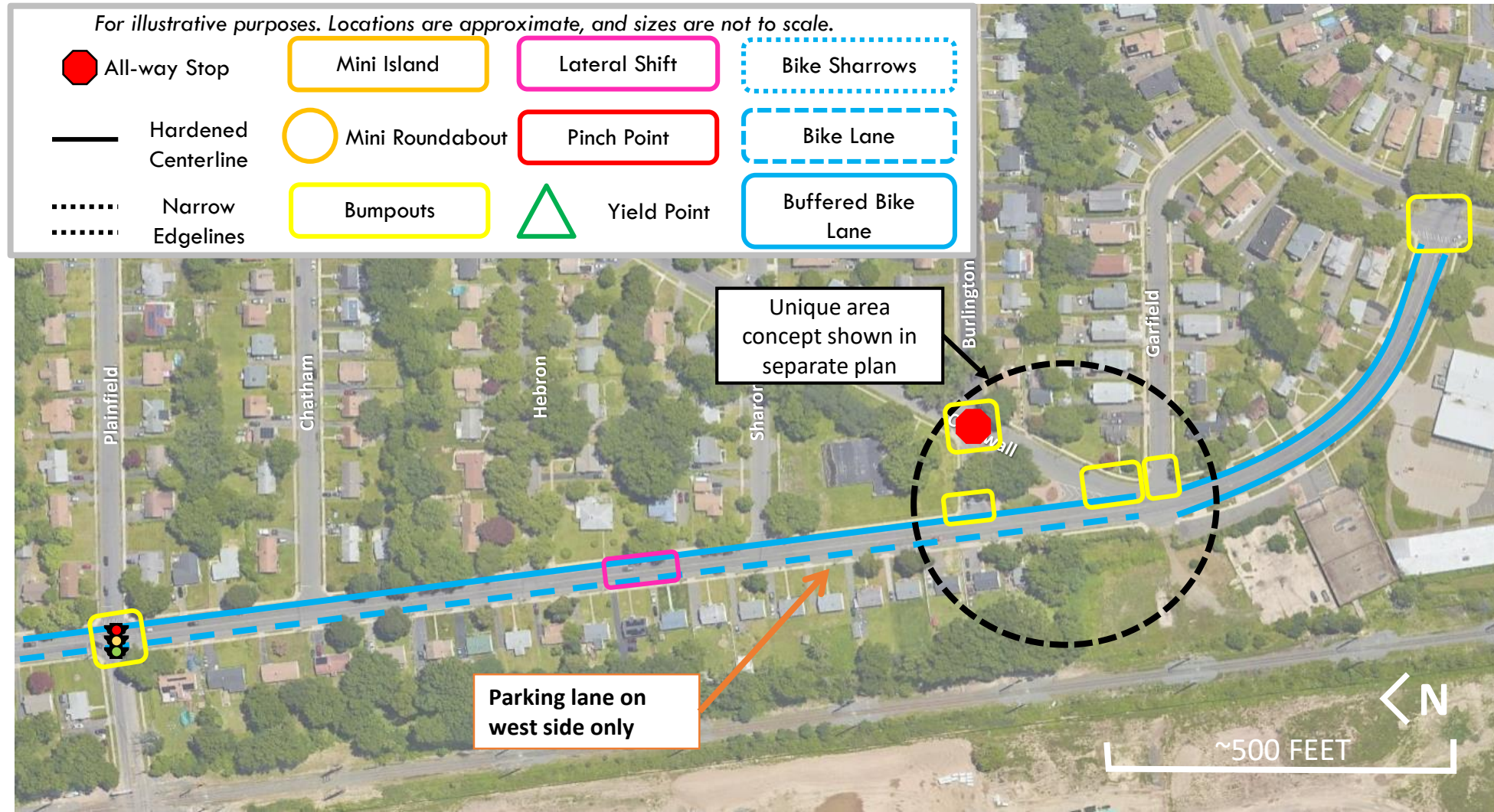
Cornwall Street

Lyme Street

Granby Street

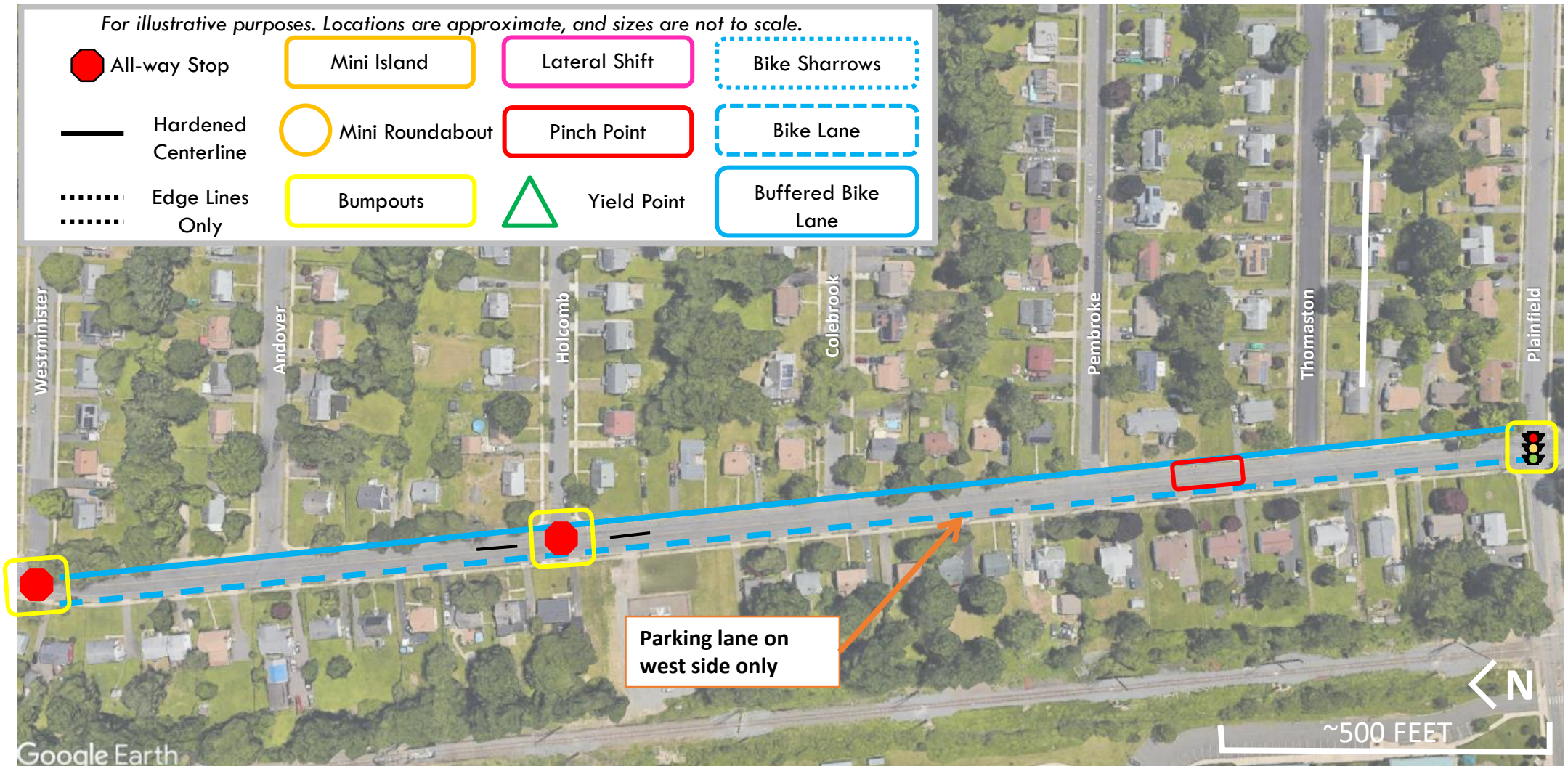
Granby Street (Garfield to Chatham)

1



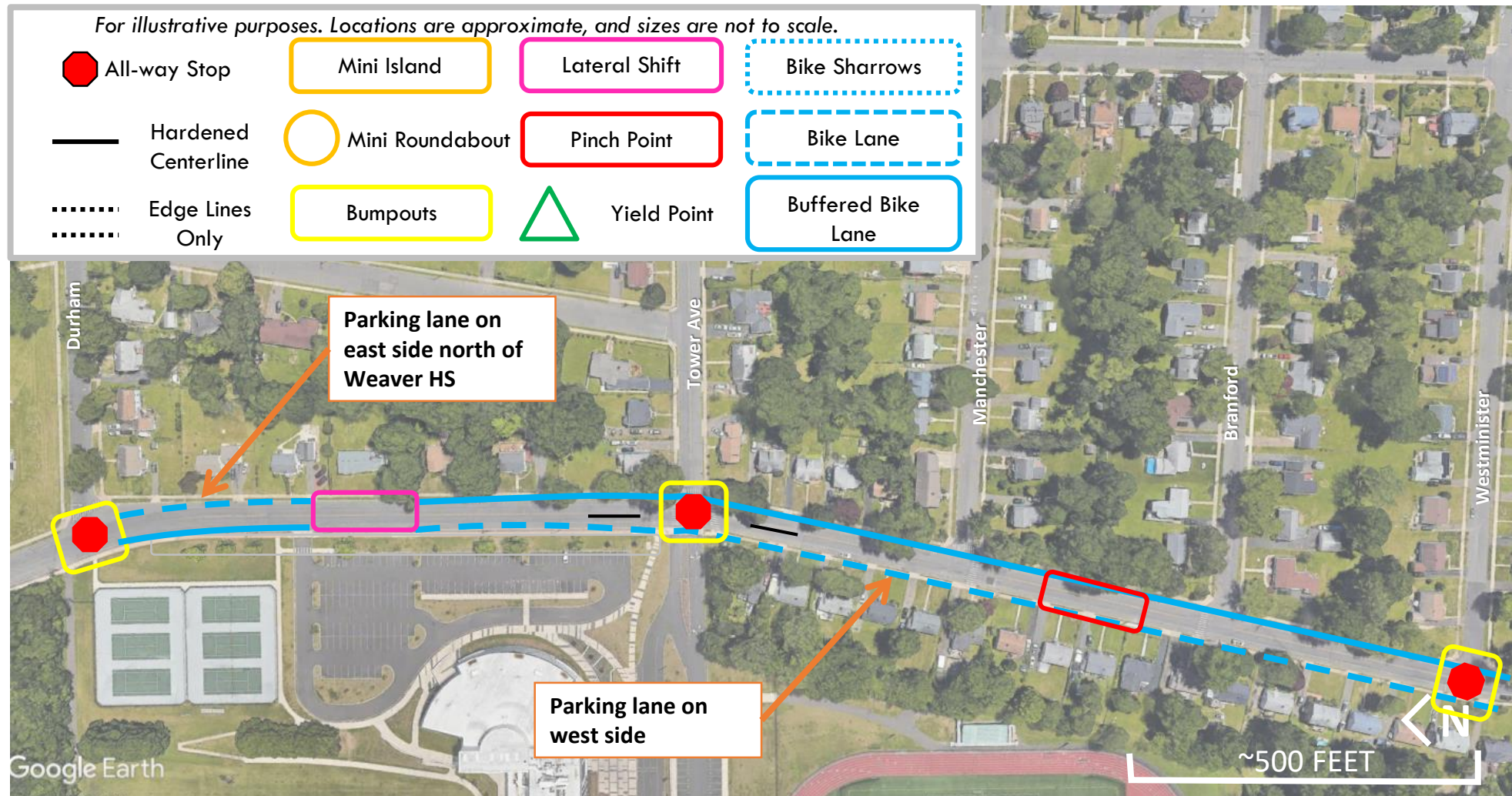
Granby Street (Plainfield to Westminster)

2



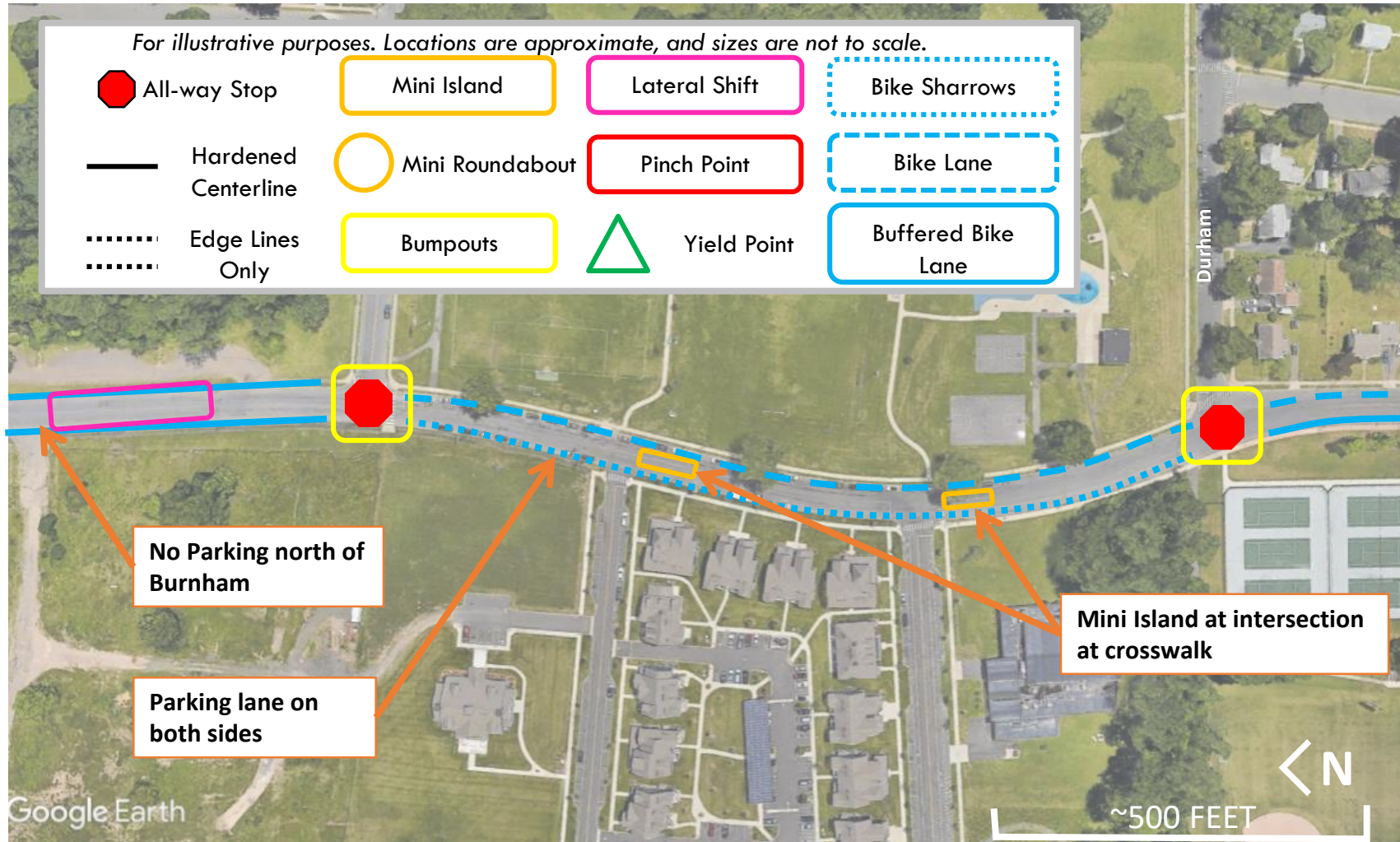
Granby Street (Westminster to Durham)

3



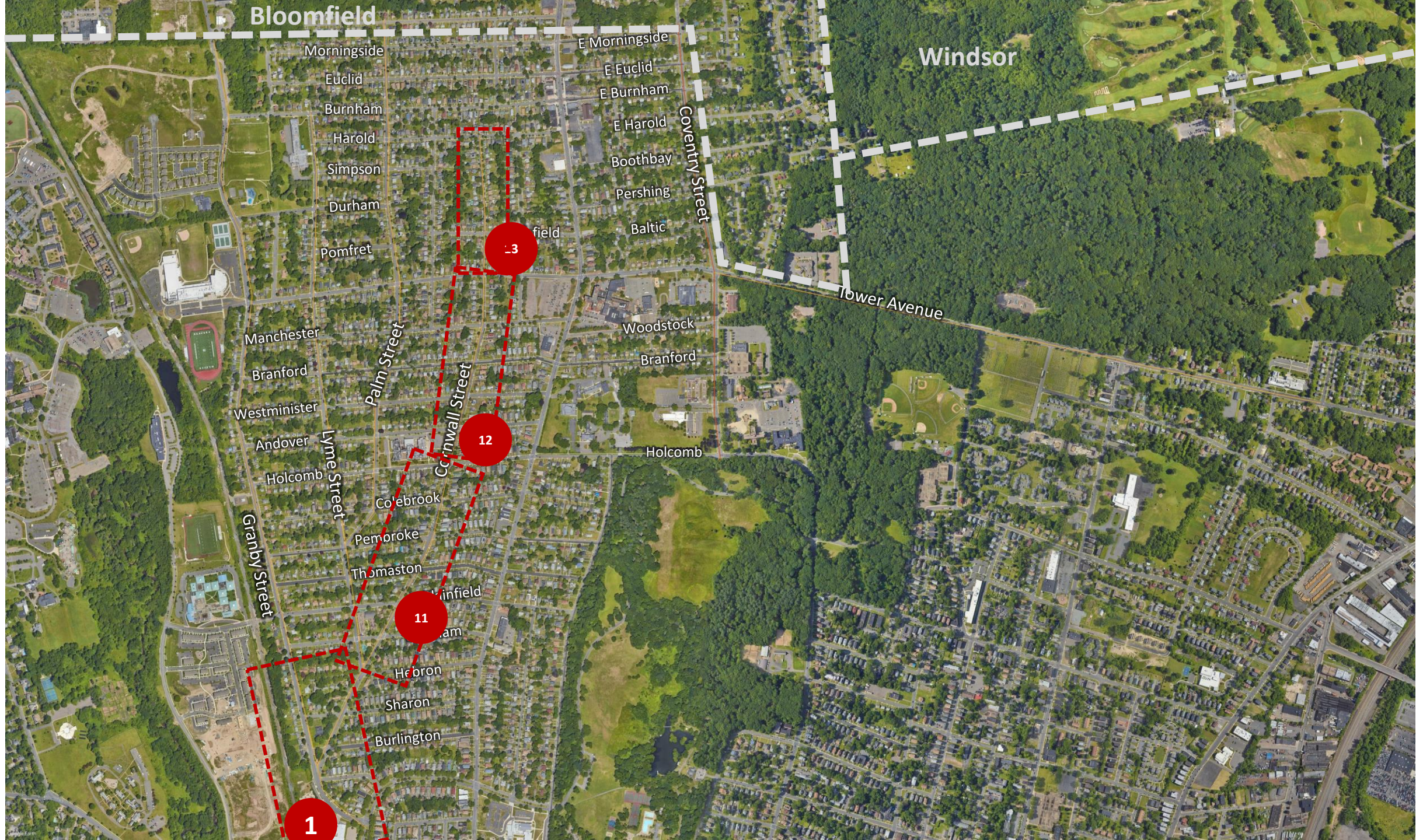
Granby Street (Durham to Burnham)

4



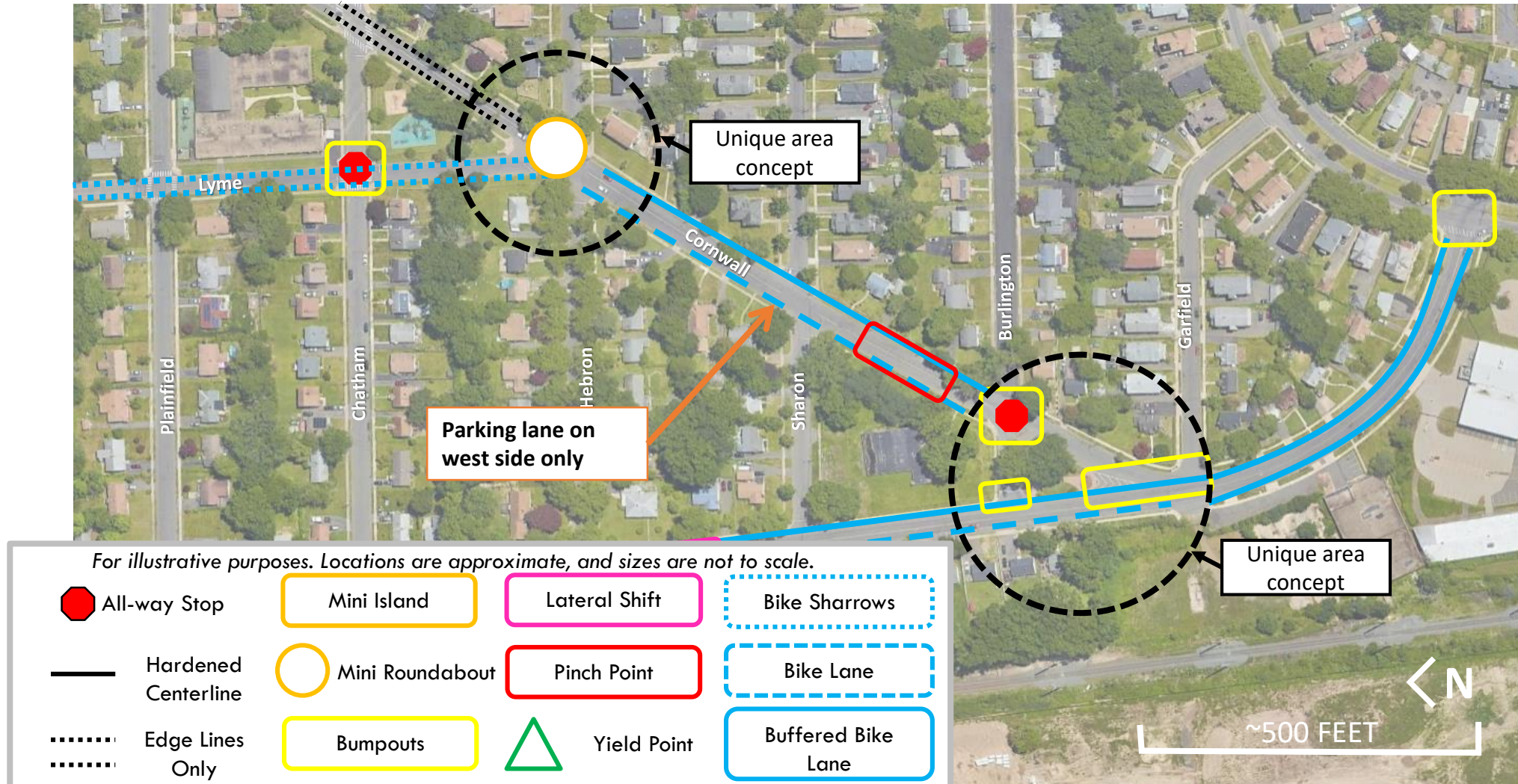


Cornwall Street



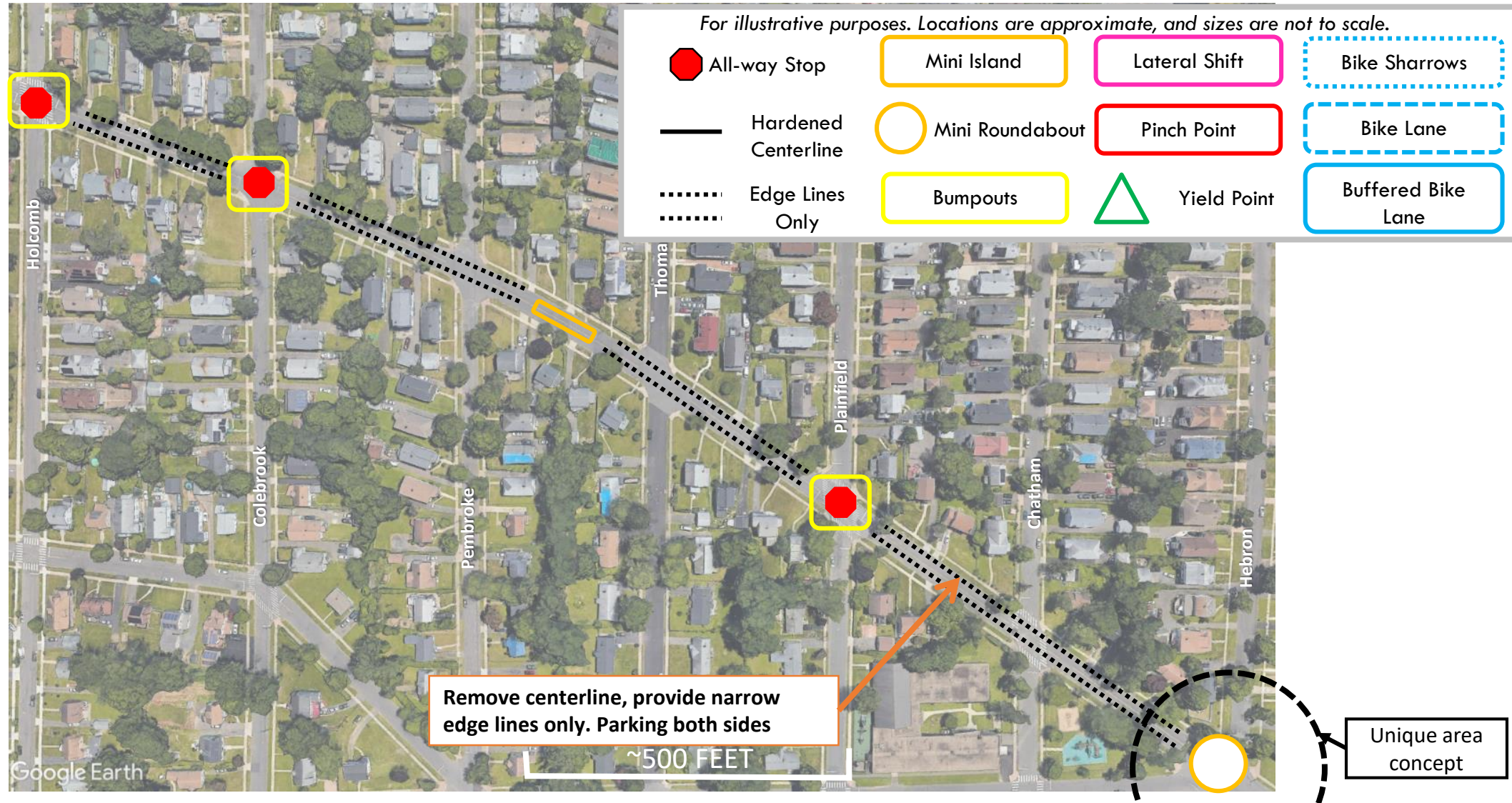
Cornwall Street (Garfield to Hebron)

1



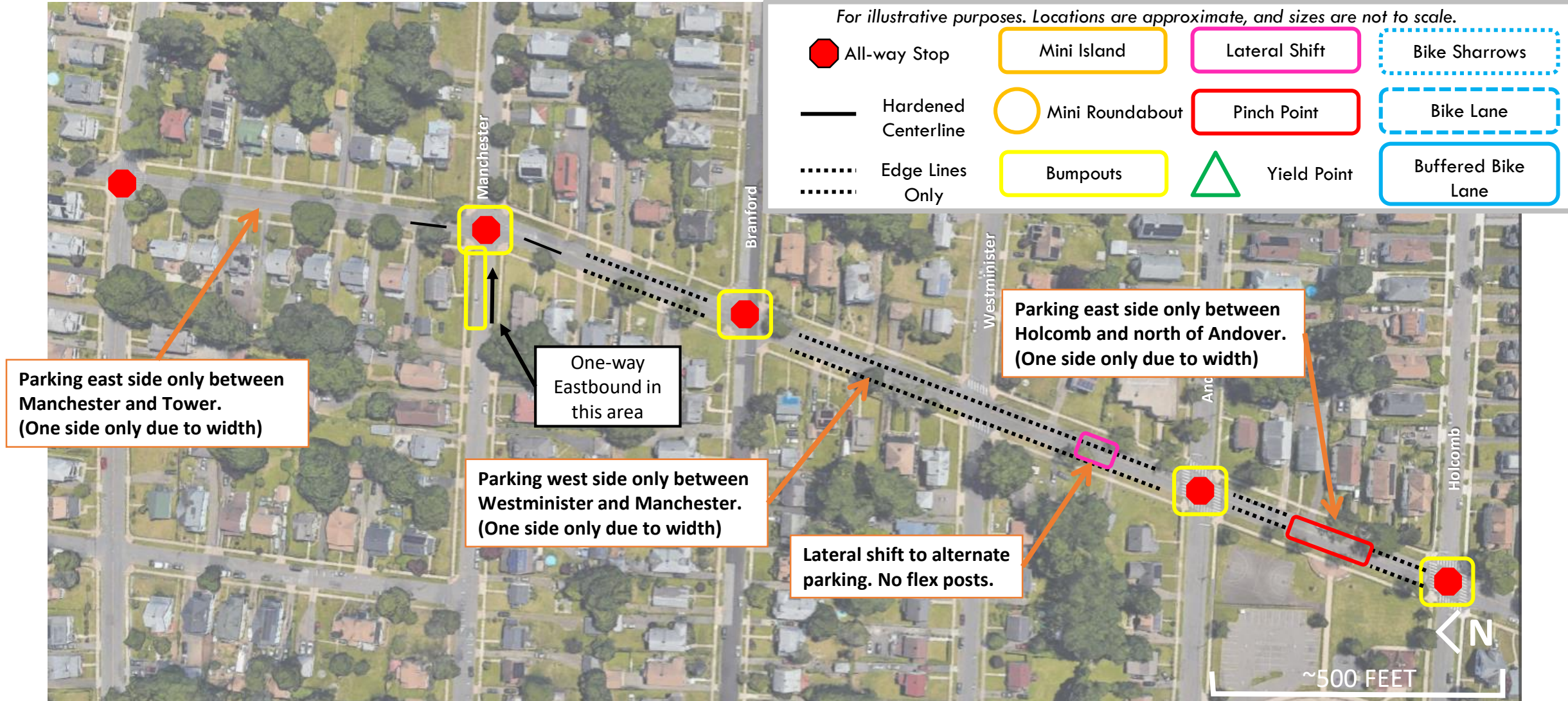
Cornwall Street (Hebron to Holcomb)

11



Cornwall Street (Holcomb to Tower)

12



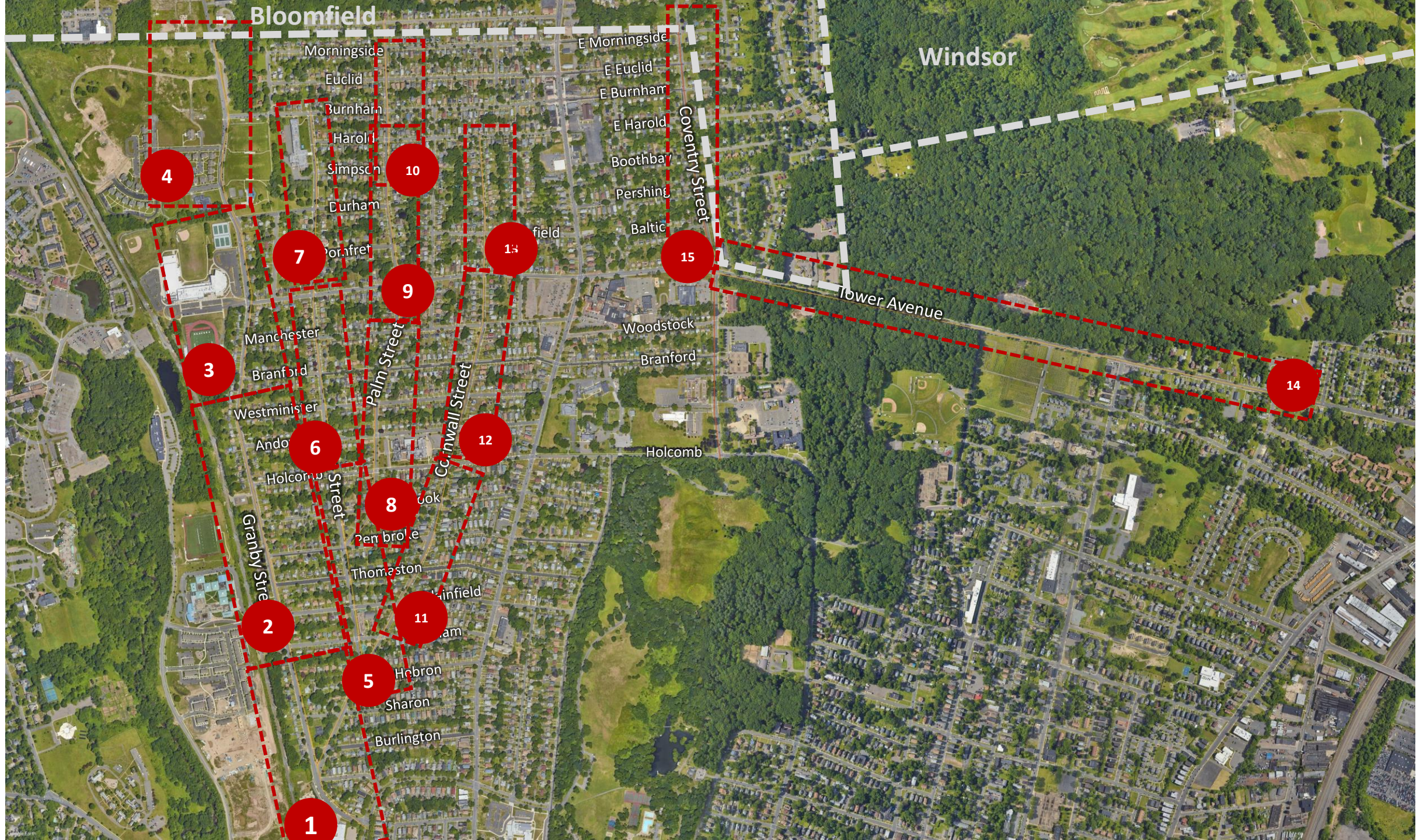
Cornwall Street (Tower to Harold)

13





Lyme Street



Bloomfield

Windsor

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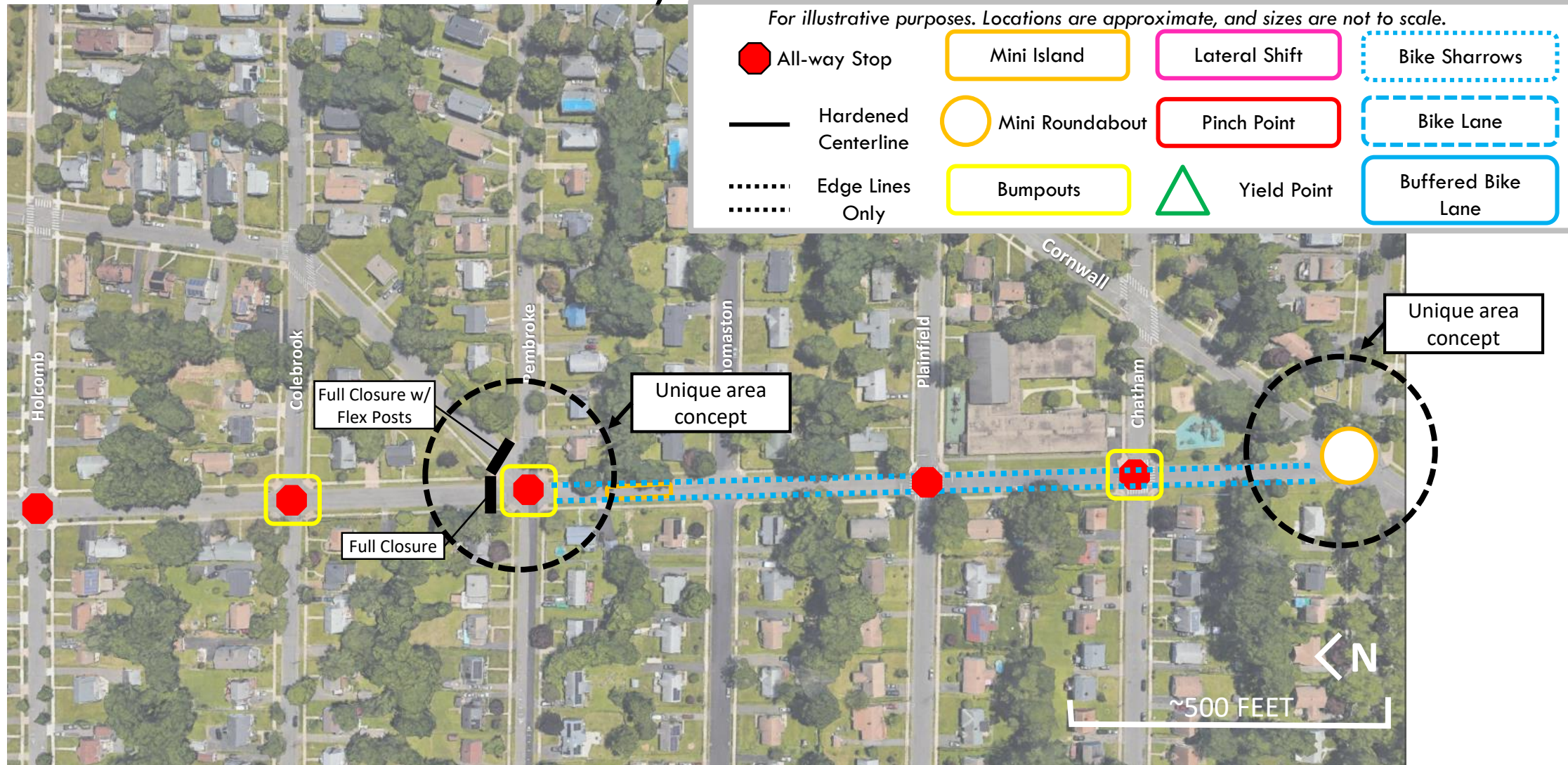
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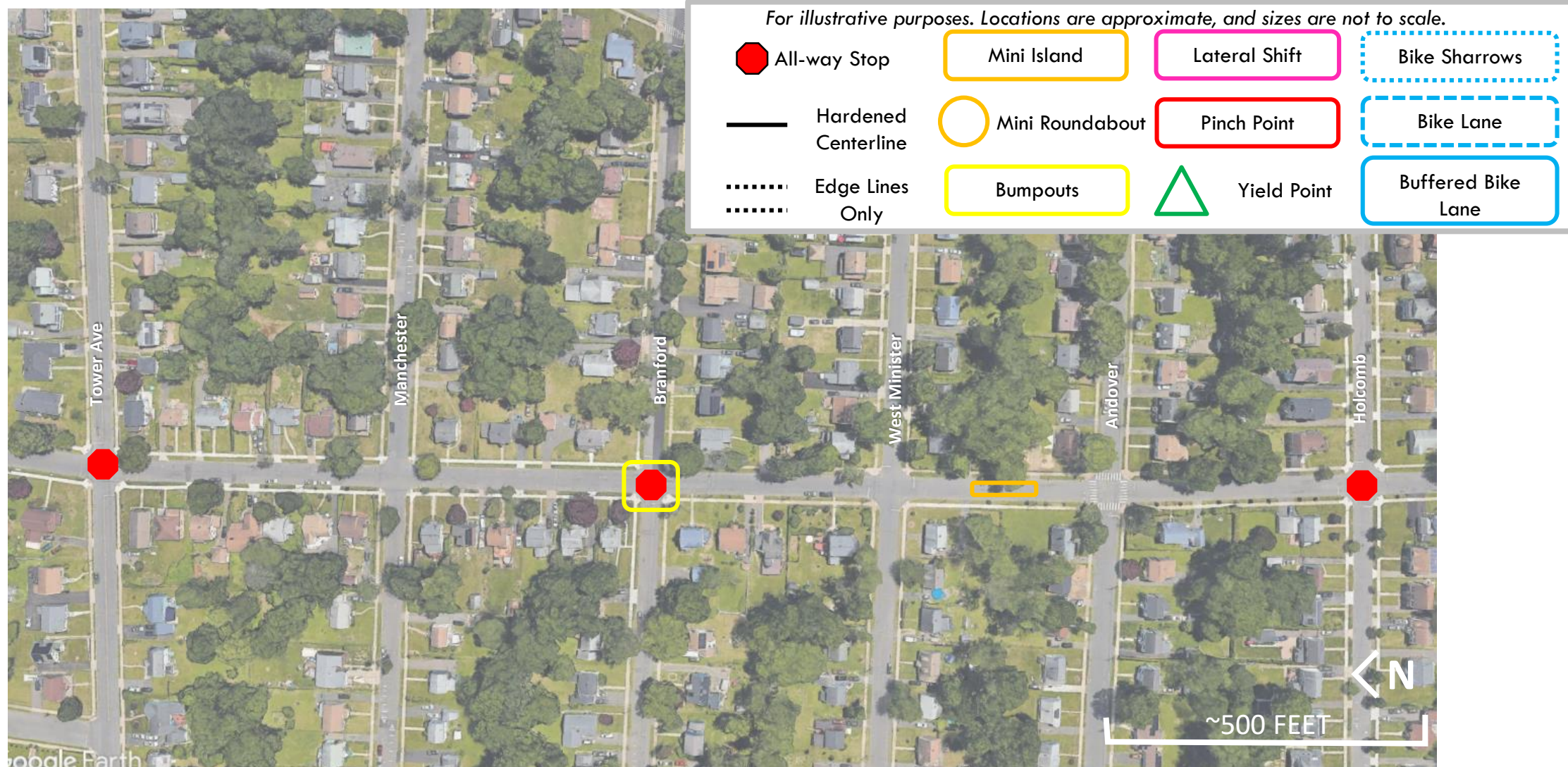
Street “Program” View – Lyme St (Cornwall to Holcomb)

5



Street “Program” View – Lyme St (Holcomb to Tower Ave)

6



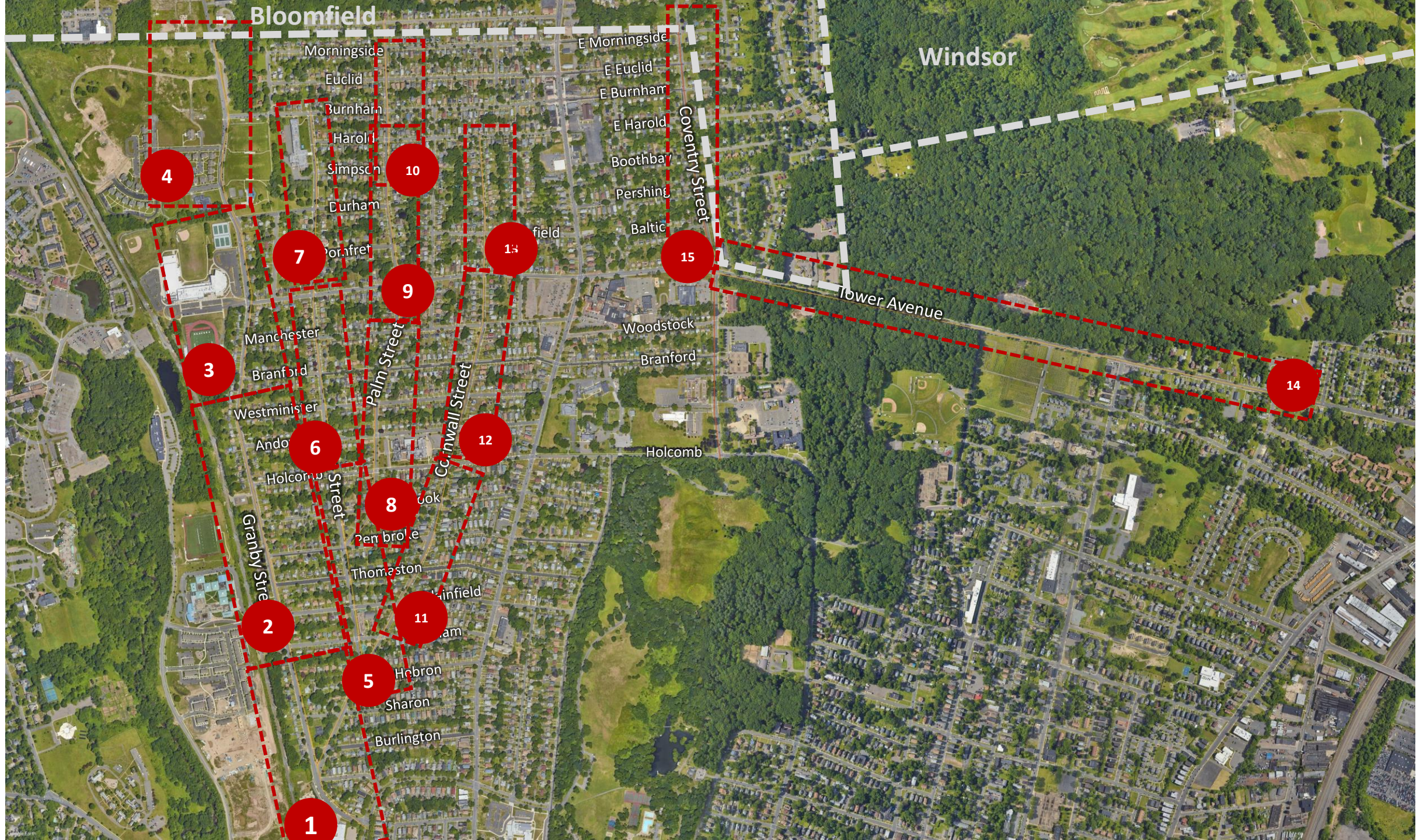
Street “Program” View – Lyme St (Tower Ave to Burnham)

7





Palm Street



Bloomfield

Windsor

4

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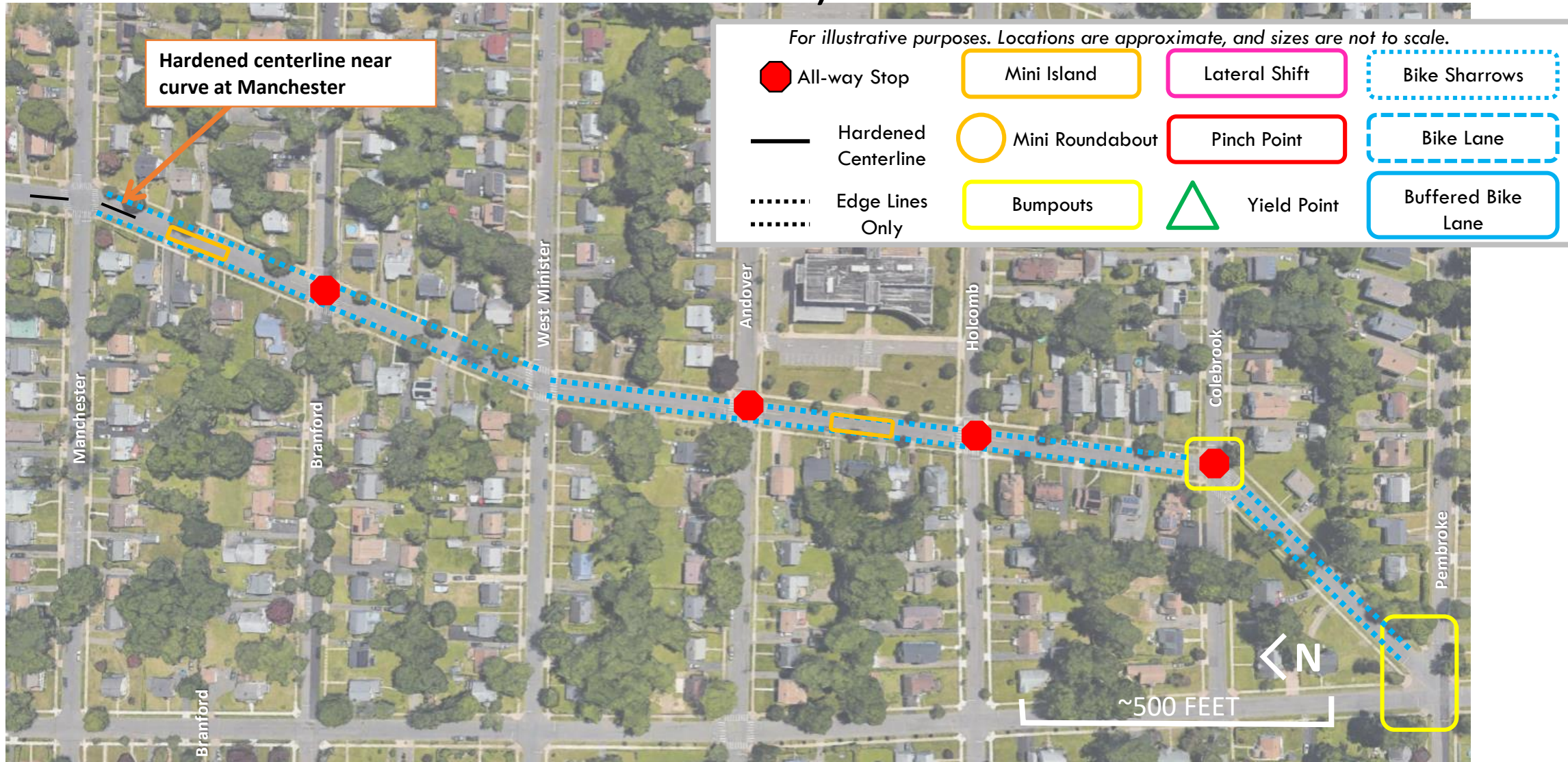
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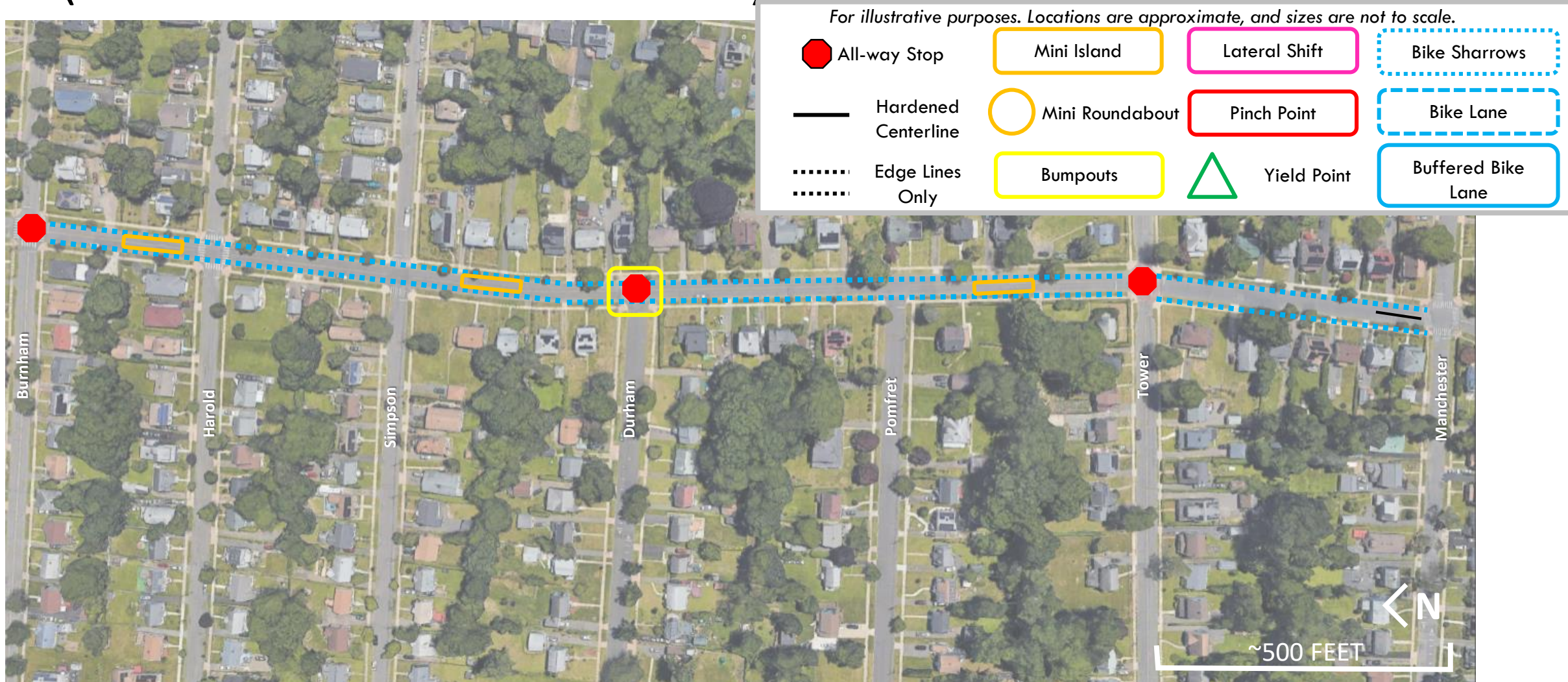
Street “Program” View – Palm St (Pembroke to Manchester)

8



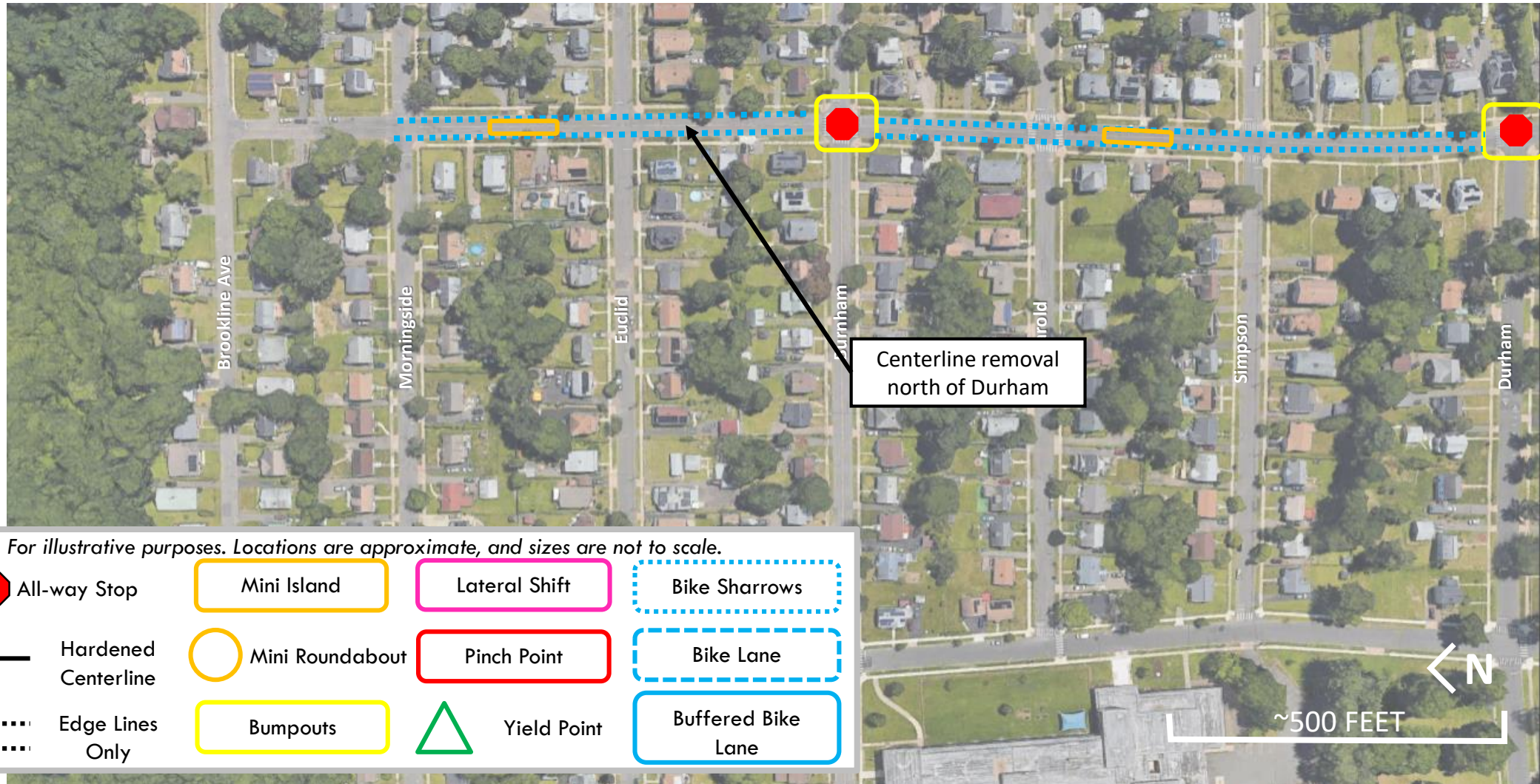
Street “Program” View – Palm St (Manchester to Harold)

9



Street “Program” View – Palm St (Harold to Brookline)

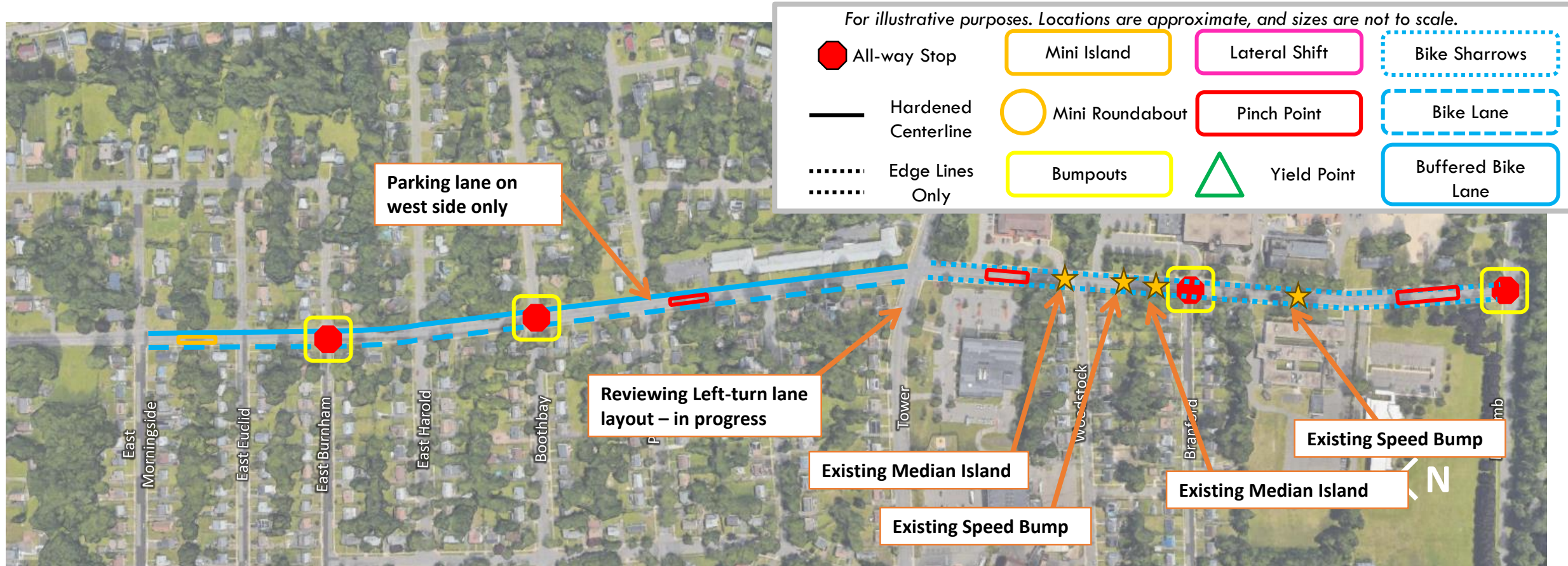
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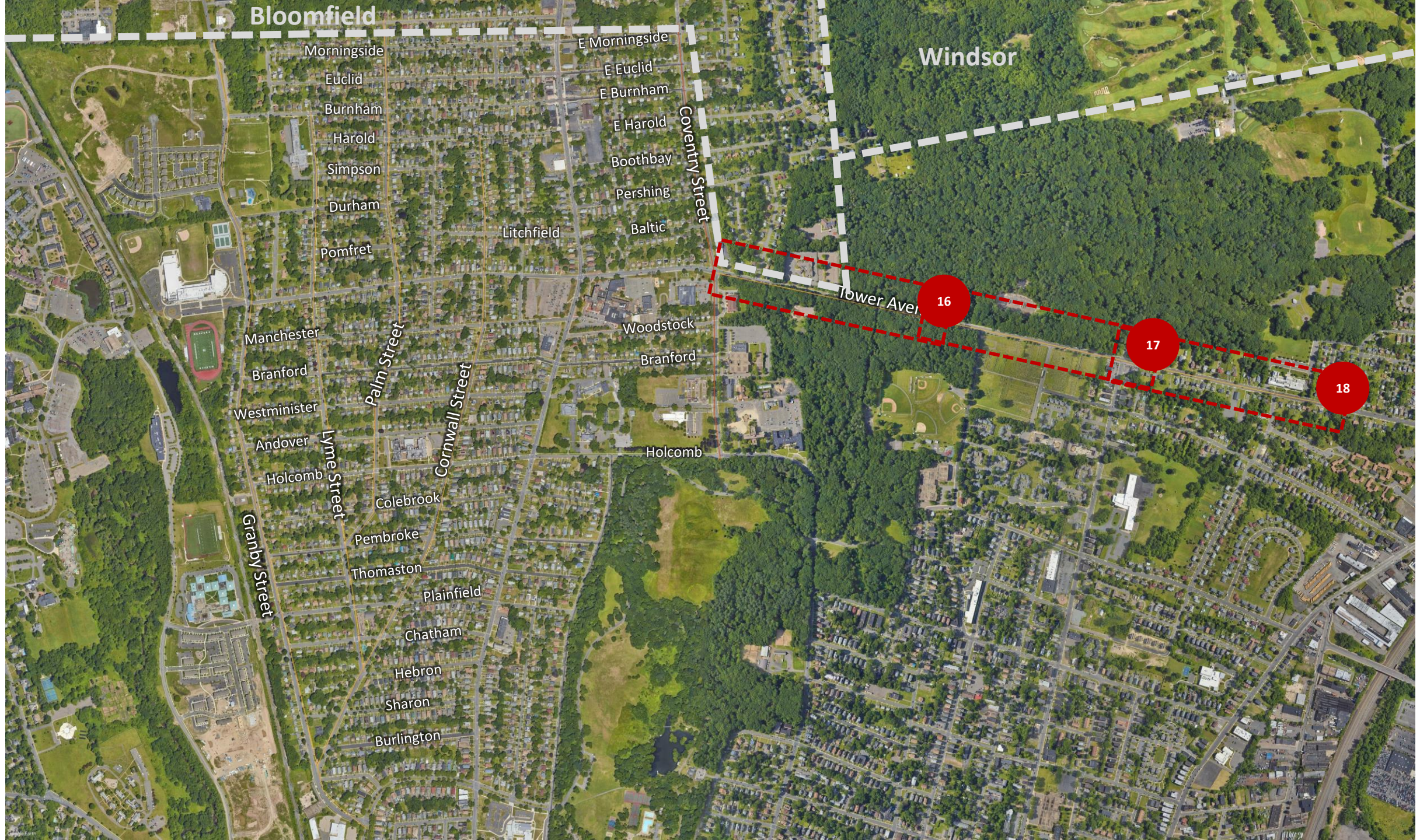
Coventry Street

15





Tower Avenue



Bloomfield

Windsor

Morningside

E Morningside

Euclid

E Euclid

Burnham

E Burnham

Harold

E Harold

Simpson

Boothbay

Durham

Pershing

Pomfret

Baltic

Litchfield

Coventry Street

Lower Avenue

16

17

18

Manchester

Woodstock

Branford

Branford

Westminister

Andover

Holcomb

Holcomb

Colebrook

Pembroke

Thomaston

Plainfield

Chatham

Hebron

Sharon

Burlington

Palm Street

Cornwall Street

Lyme Street

Granby Street



Median Island

- Narrows the travel lanes at that location
 - Visual appearance of narrowed lanes encourages a motorist to slow.



Street “Program” View – Tower Ave (Barbour Street to Rutland Street)

16

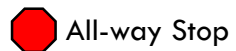


Street “Program” View – Tower Ave (Barbour Street to Rutland Street)

17



For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Hardened
Centerline



Edge Lines
Only



Mini Island



Mini Roundabout



Bumpouts



Lateral Shift



Pinch Point



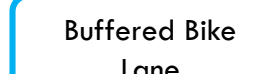
Yield Point



Bike Sharrows



Bike Lane



Buffered Bike
Lane

Street “Program” View – Tower Ave (Barbour Street to Rutland Street)

18



For illustrative purposes. Locations are approximate, and sizes are not to scale.



All-way Stop



Hardened
Centerline



Edge Lines
Only



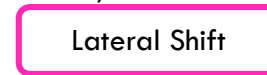
Mini Island



Mini Roundabout



Bumpouts



Lateral Shift



Pinch Point



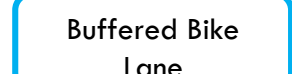
Yield Point



Bike Sharrows



Bike Lane



Buffered Bike
Lane

Alternative Materials

