

Welcome

Town of East Greenbush / Town of North Greenbush / CDTC
US Route 4 Corridor Study
Study Advisory Committee (SAC) Meeting #3
Friday, May 19, 2023, 9:30am
Capital District Transportation Committee
1 Park Pl, Albany, NY, 12205



Agenda



1. Welcome

2. Public Engagement #1 Overview

3. Public Survey Highlights

4. Future Operational Analysis Discussion

5. Next Steps

Welcome

Project Sponsors

Town of East Greenbush / Town of North Greenbush / CDTC

Consultant

MJ Engineering & Land Surveying, P.C.

Study Advisory Committee

Anna Feltham (Town of East Greenbush)

Chaim Simon (CDTC)

Chris Bauer (CDTC)

Dan Fiacco (Town of East Greenbush)

Ethan Warren (CDTA)

Greg Wichser (NYSDOT Region 1)

Jack Conway (Town of East Greenbush)

Kelley Kircher (NYSDOT Region 1)

Linda von der Heide (Rensselaer County)

Mark Saunders (NYSDOT Rensselaer County Residency)

Michael Chaires (Town of North Greenbush)

Joe Bott (Town of North Greenbush)



Agenda

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Public Engagement #1 Overview

Public Meeting #1

- Monday, March 27, 2023, 6:30 PM
- In-person at Defreestville Fire Department and via Zoom.
 - ~100 in person
 - 84 via Zoom
- Discussion items
 - Project Schedule Overview
 - Highlights of Existing Conditions Memo
 - Previous Plans/Relevant Documents
 - Mini-Visioning Session
 - Next Steps
 - Q&A

US Route 4 Corridor Study



Due to weather, postponed to
Monday, March 27, 2023 at 6:30pm



East Greenbush – The Town of East Greenbush and Town of North Greenbush, in partnership with the Capital District Transportation Committee (CDTC), invite the public to participate in the first public meeting for the US Route 4 Corridor Study. The first meeting will take place on **Monday, March 27, 2023 at 6:30pm**, and will be held both in-person at the Defreestville Fire Department (350 N Greenbush Rd, Troy, NY 12180) and via Zoom. **If you registered for Zoom prior to postponing, no need to re-register!**



Public Meeting #1
March 27, 2023 at 6:30pm, Defreestville Fire Department with Zoom option
350 N Greenbush Rd, Troy, NY 12180



Scan the QR code to visit the project website to register for the Zoom meeting and to take the online survey.

Can't make the meeting? Take the online survey to share your thoughts and ideas!

Project website www.nyroute4study.com



Public Engagement #1 Overview

Public Meeting #1

- For folks who were able to attend
 - What did you see?
 - Anything surprising?
- Available on the project website (nyroute4study.com)
 - Agenda
 - Recording
 - PowerPoint
 - Summary



Public Meetings

Public Meeting #1

Date:
Monday, March 27, 2023 at 6:30pm

Time:
6:30pm

Location:
In-person at Defreestville Fire Department @ 350 N Greenbush Rd, Troy, NY 12180

Meeting Recording:
[Zoom Recording Here](#)

Meeting Agenda:
[PDF Agenda HERE](#)

Meeting PowerPoint:
[PDF PowerPoint HERE](#)

Meeting Summary:
[PDF Summary HERE](#)



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Public Survey Highlights

Public Survey

- February 03, 2023 to April 25, 2023
- Publicized through survey cards, email blasts, project and town websites, and Facebook
- **784** responses received!



The survey card features a green header with icons for a truck, bus, car, bicycle, wheelchair, and pedestrian. Below the icons, the title "US Route 4 Corridor Study" is displayed in bold. The text asks, "Is traffic an issue? How is your walking experience? Could Route 4 work better for you? We need your input!" and provides the survey link: "Take the survey: Research.net/r/Route4study". Logos for the Town of East Greenbush, CDTC (Capital District Transportation Committee), and North Greenbush are also present.

Scan the QR code
to access the
survey on your
mobile device.

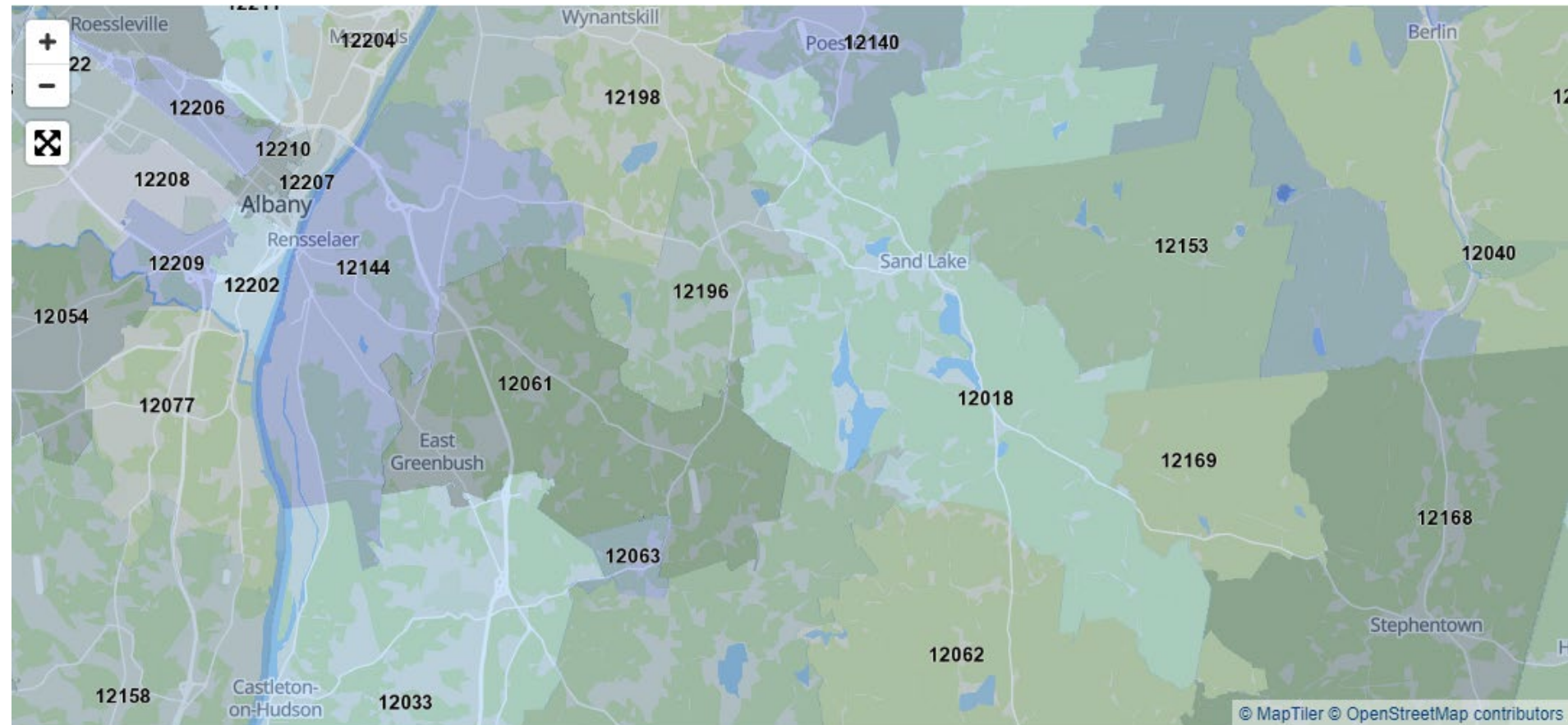


For more information:
www.nyroute4study.com

Public Survey Highlights

Please enter your zip code.

- 12144 39%
- 12061 29%
- 12180 9%
- 12198 8%
- 12033 5%



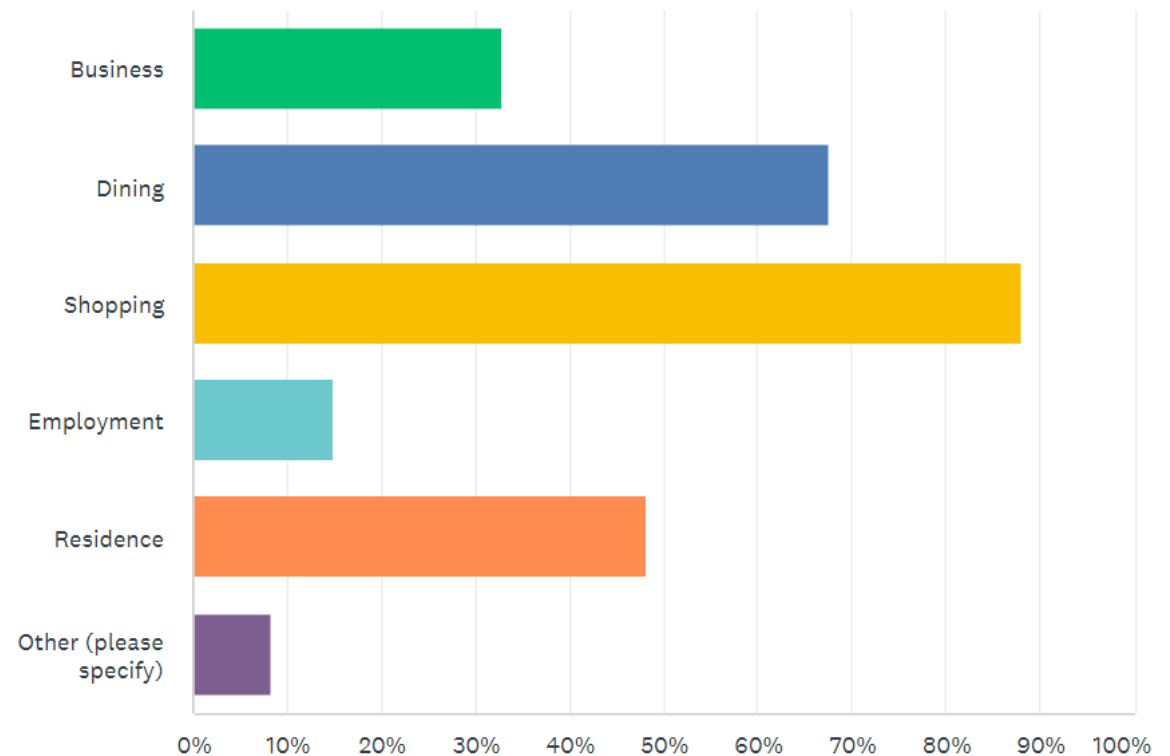
Public Survey Highlights

What typically brings you to the study area?

- Business 33%
- Dining 67%
- Shopping 88%
- Employment 15%
- Residence 48%
- Other 8%

What typically brings you to the study area? (Select all that apply)

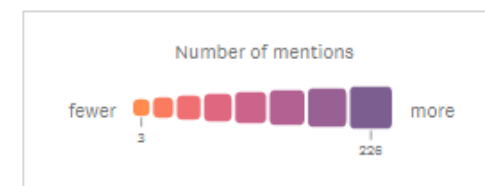
Answered: 772 Skipped: 12



Public Survey Highlights

Survey Common Themes: **Challenges**

- Traffic 42%
- Traffic congestion 11%
- Traffic flow 7%
- Congestion 4%
- Much traffic 4%



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Future Operational Analysis Concept Discussion

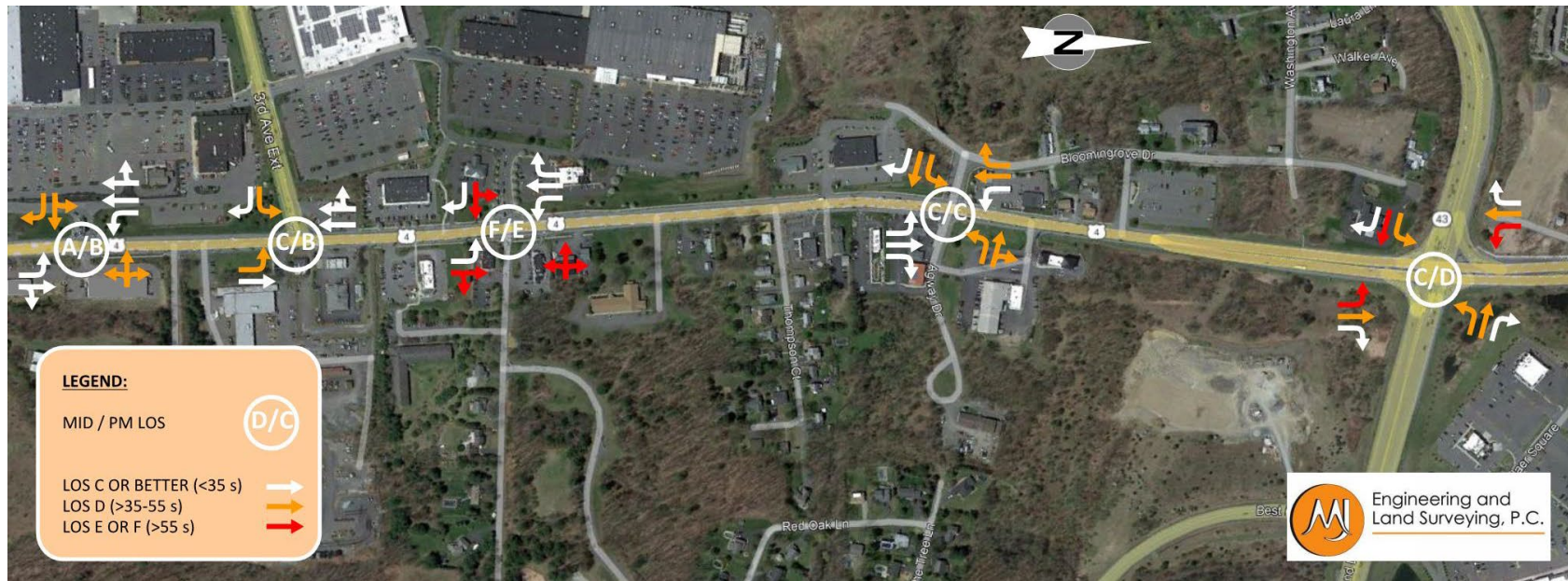
Concepts

- Concept No. 1 – Optimized Signal Timing (OST) & Improved System Coordination (ISC)
- Concept No. 2 – OST & ISC with added Service Road Option
- Concept No. 3 – OST & ISC with Additional US Route 4 Northbound Lane
- Concept No. 3A – Concept No. 3 with Left Turn Lane added to Grandview Drive
- Concept No. 4 – Roundabout Intersections
- Concept No. 4A – Concept No. 4 with Left Turn Lane on Grandview Drive into Starbucks
- Concept No. 5 – Combination of Signalized and Roundabout Intersections
- Concept No. 5A – Concept No. 5 with Left Turn Lane on Grandview Drive into Starbucks

Concept No. 1

Optimized Signal Timing & Improved System Coordination

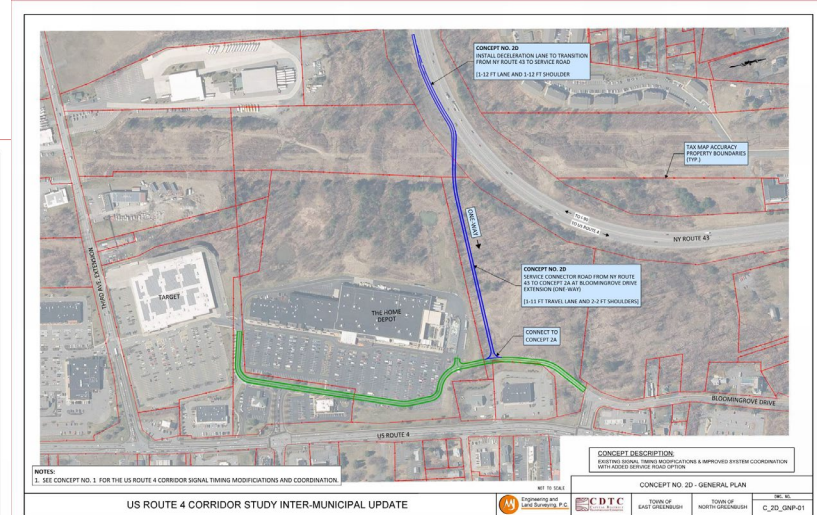
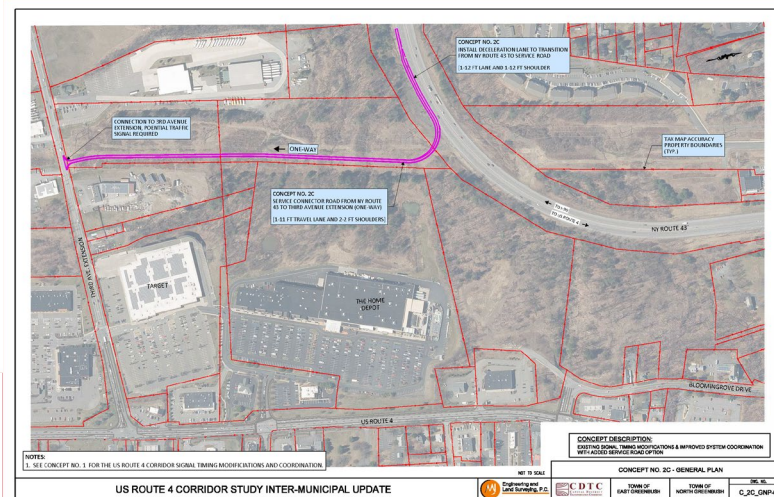
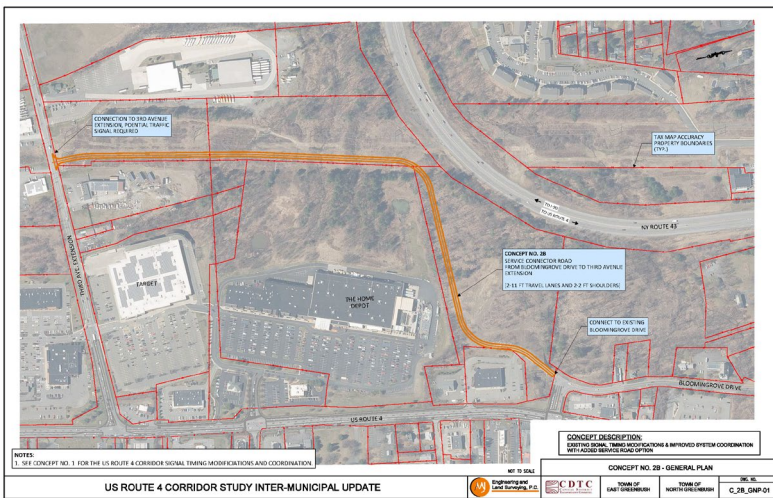
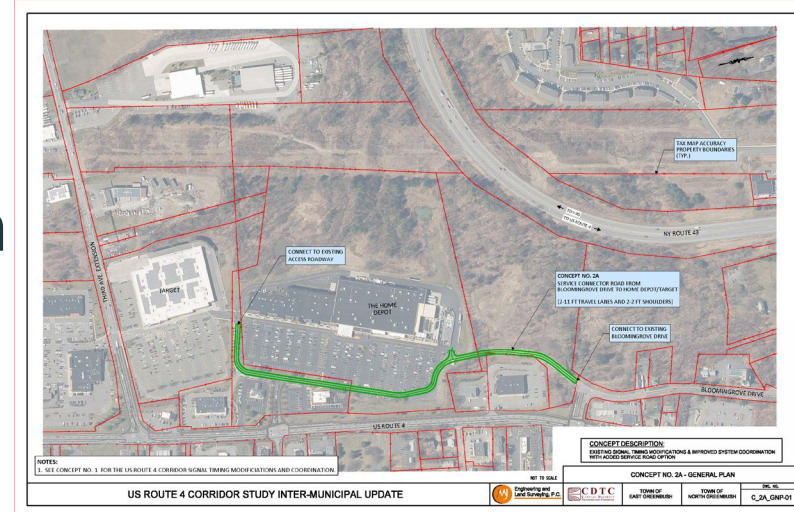
- Maintains the Existing Geometry
- Signal Timings Modified
 - Coordinated from Agway/Bloominggrove to Walmart Plaza
 - Improves progression through corridor
 - Reduces queue spilling over to other intersections (3rd Ave Left Turns)



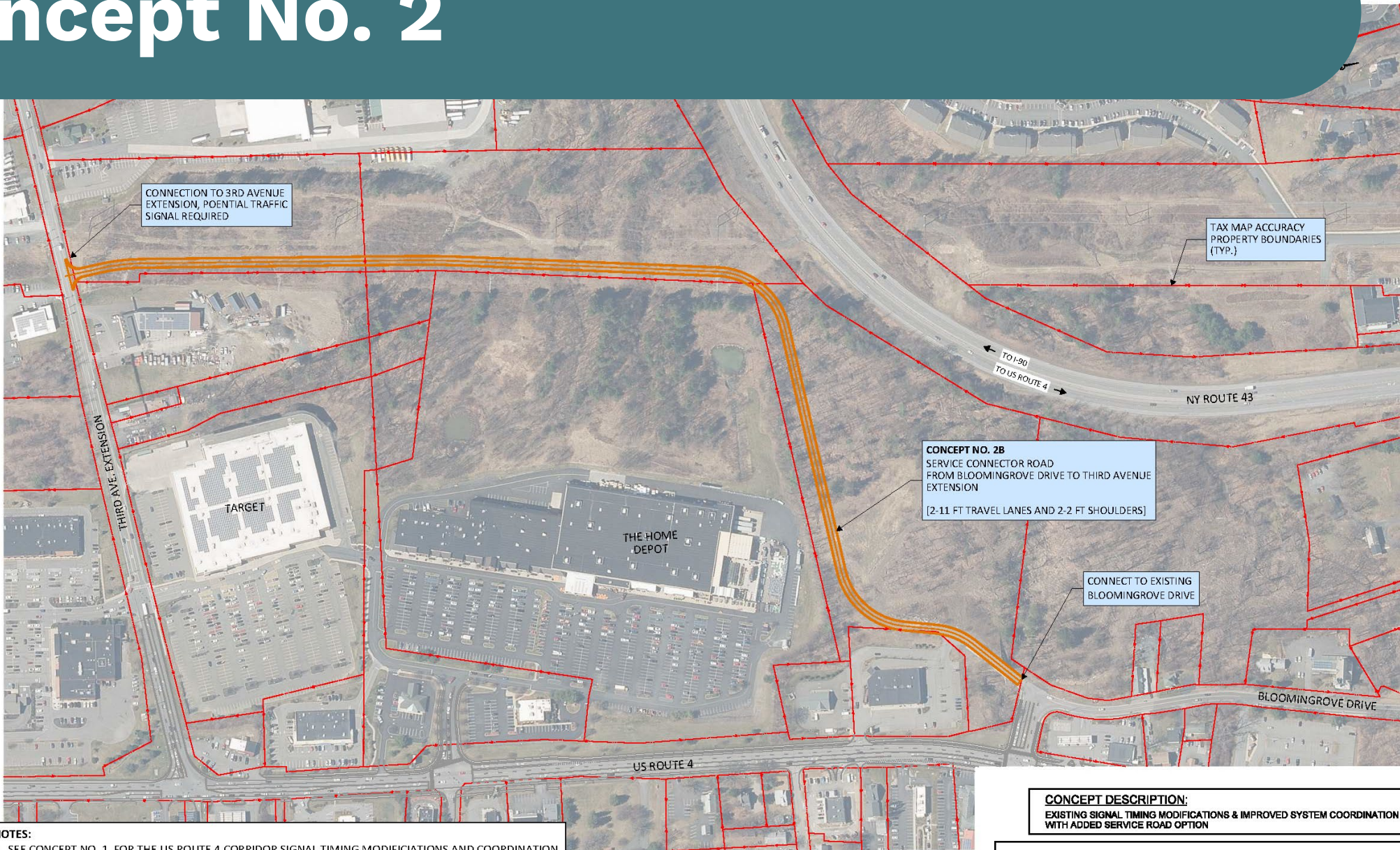
Concept No. 2

Optimized Signal Timing & Improved System Coordination with added Service Road Option

- US Route 4 Geometry same as Concept No. 1
- Parallel Access Road Reduces Vehicle Load on US Route 4
- US Route 4 Volume Reduction Under Development by CDTC



Concept No. 2



NOTES:

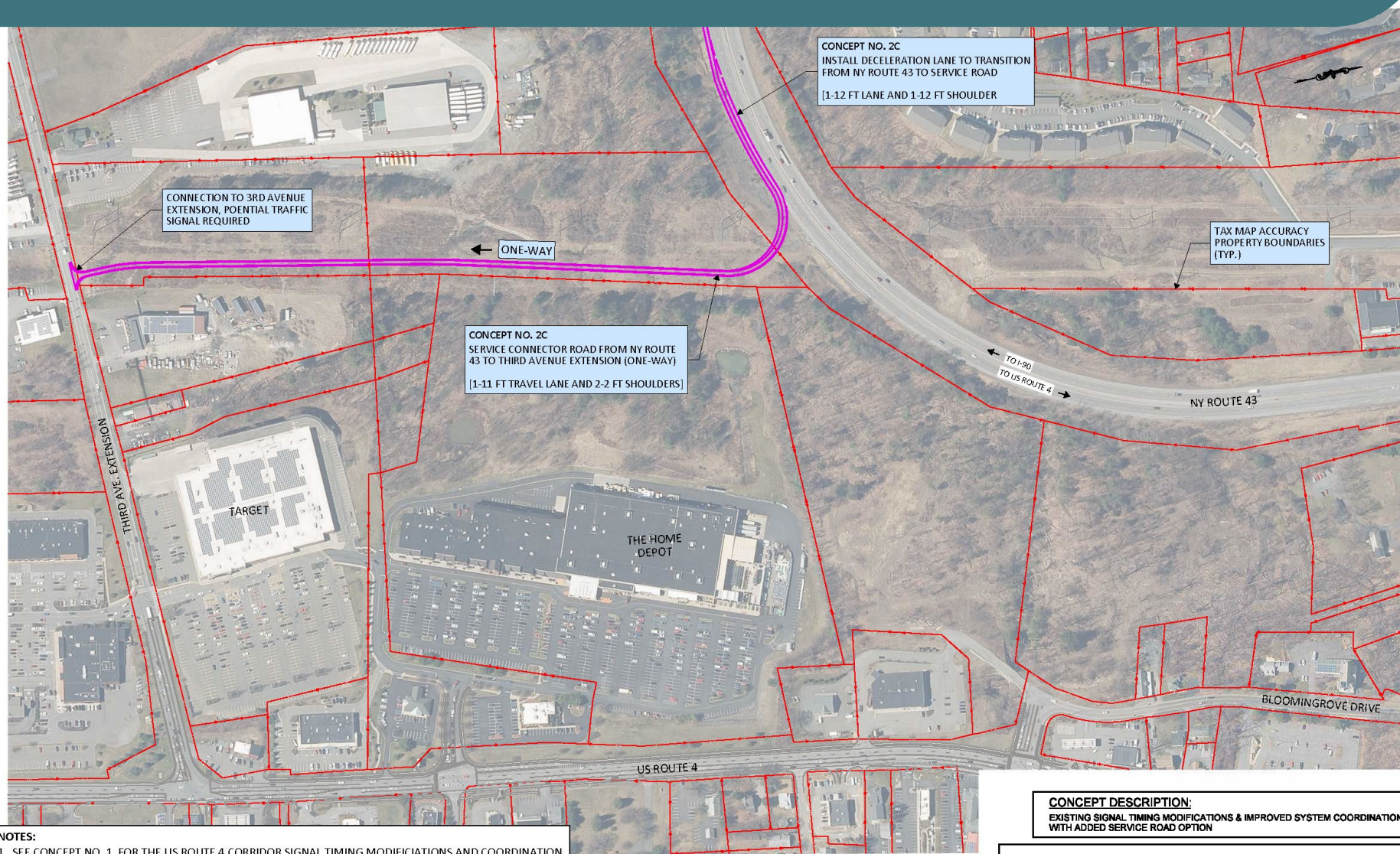
1. SEE CONCEPT NO. 1 FOR THE US ROUTE 4 CORRIDOR SIGNAL TIMING MODIFICATIONS AND COORDINATION.

CONCEPT DESCRIPTION:
EXISTING SIGNAL TIMING MODIFICATIONS & IMPROVED SYSTEM COORDINATION WITH ADDED SERVICE ROAD OPTION

NOT TO SCALE

CONCEPT NO. 2B - GENERAL PLAN

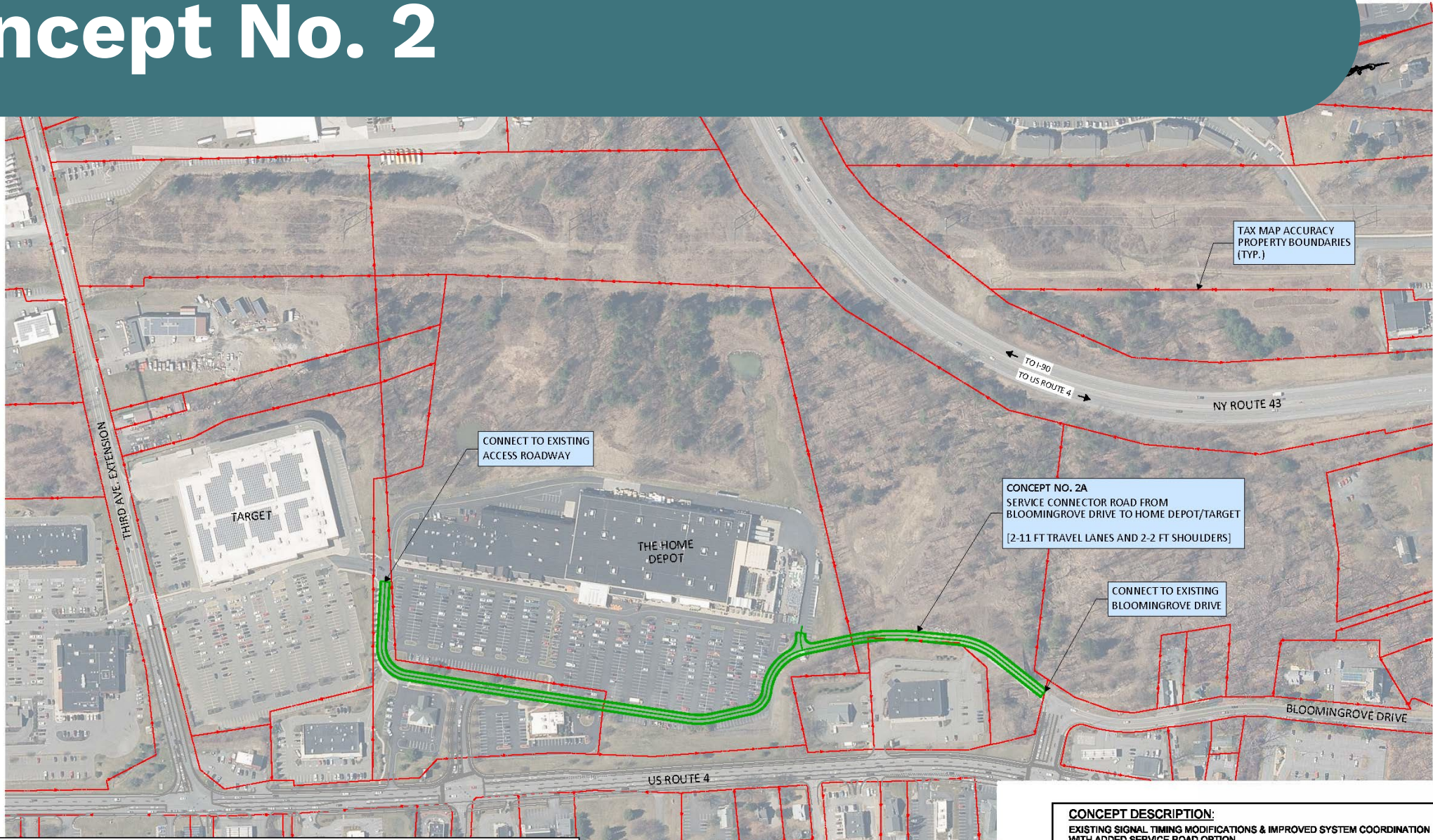
Concept No. 2



NOT TO SCALE

CONCEPT NO. 2C - GENERAL PLAN

Concept No. 2



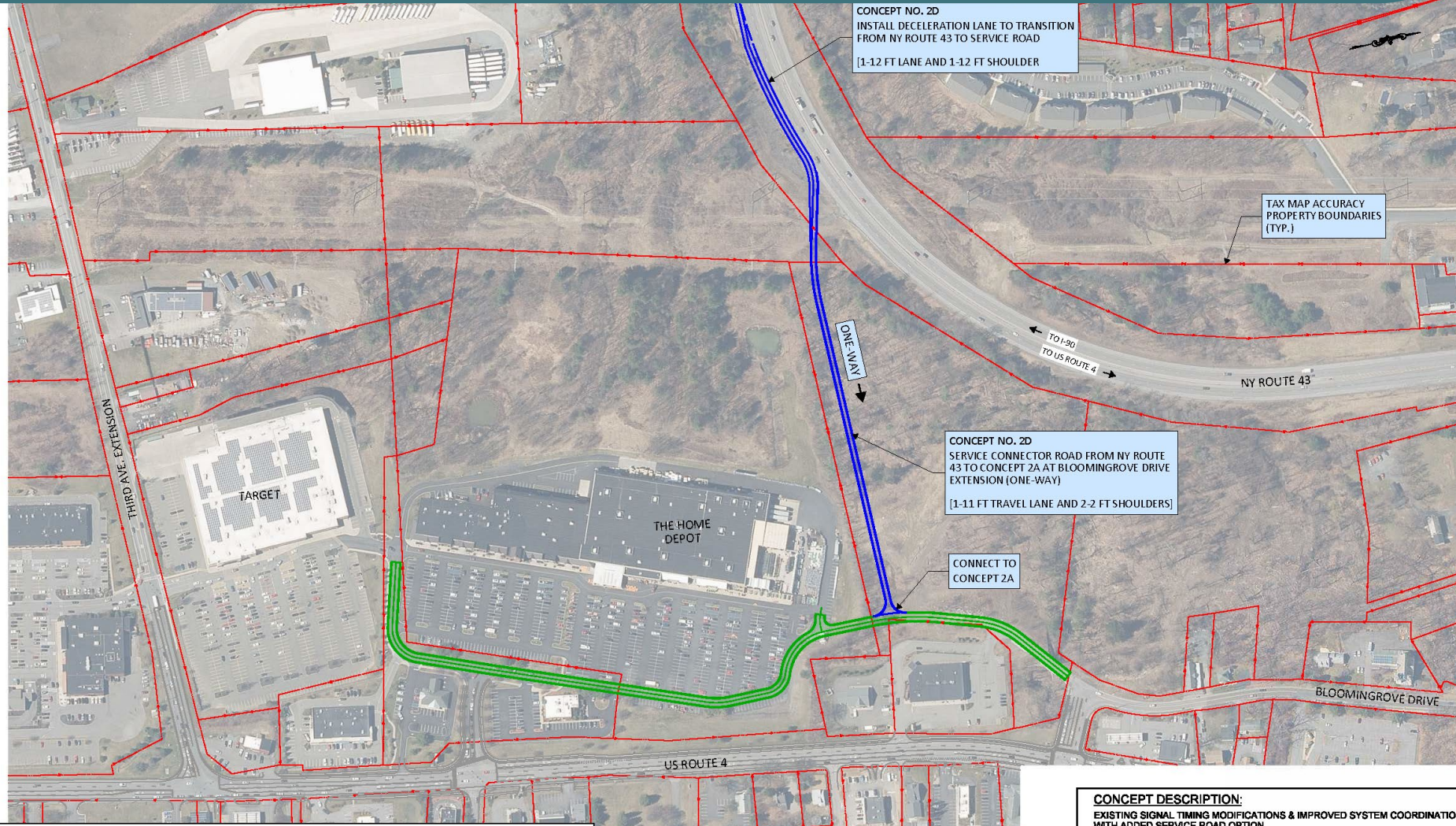
NOTES:
 1. SEE CONCEPT NO. 1 FOR THE US ROUTE 4 CORRIDOR SIGNAL TIMING MODIFICATIONS AND COORDINATION.

CONCEPT DESCRIPTION:
 EXISTING SIGNAL TIMING MODIFICATIONS & IMPROVED SYSTEM COORDINATION WITH ADDED SERVICE ROAD OPTION

NOT TO SCALE

CONCEPT NO. 2A - GENERAL PLAN

Concept No. 2



NOTES:
1. SEE CONCEPT NO. 1 FOR THE US ROUTE 4 CORRIDOR SIGNAL TIMING MODIFICATIONS AND COORDINATION.

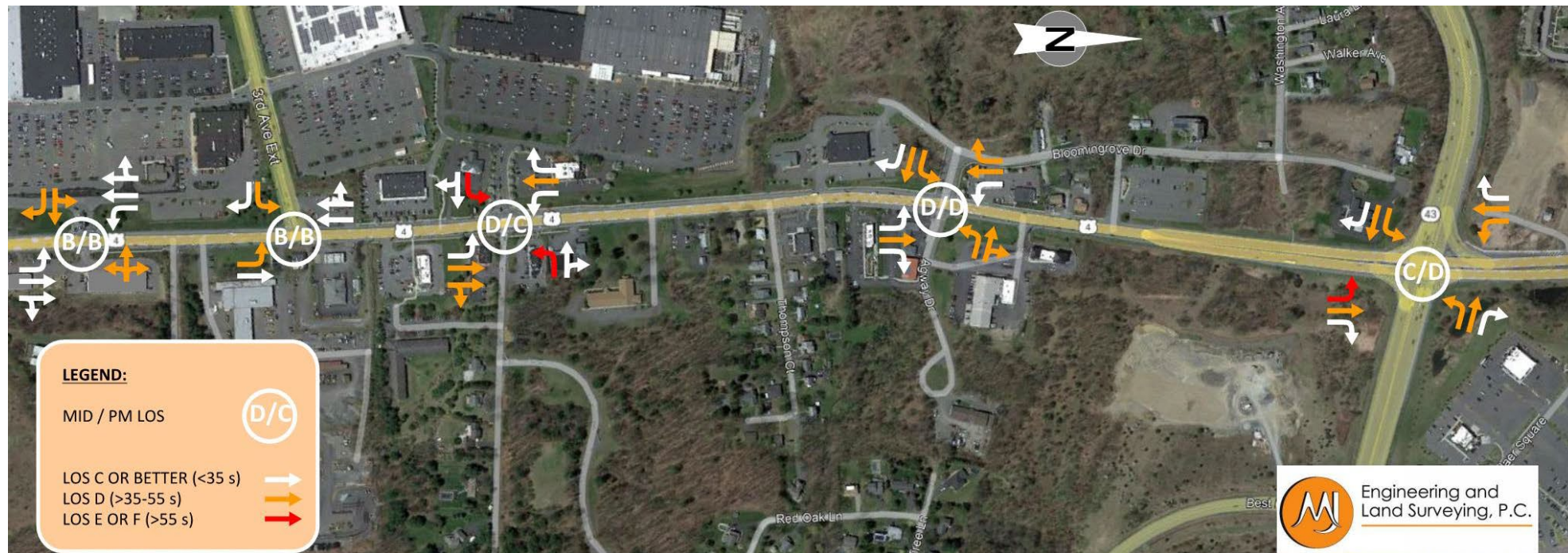
NOT TO SCALE

CONCEPT NO. 2D - GENERAL PLAN

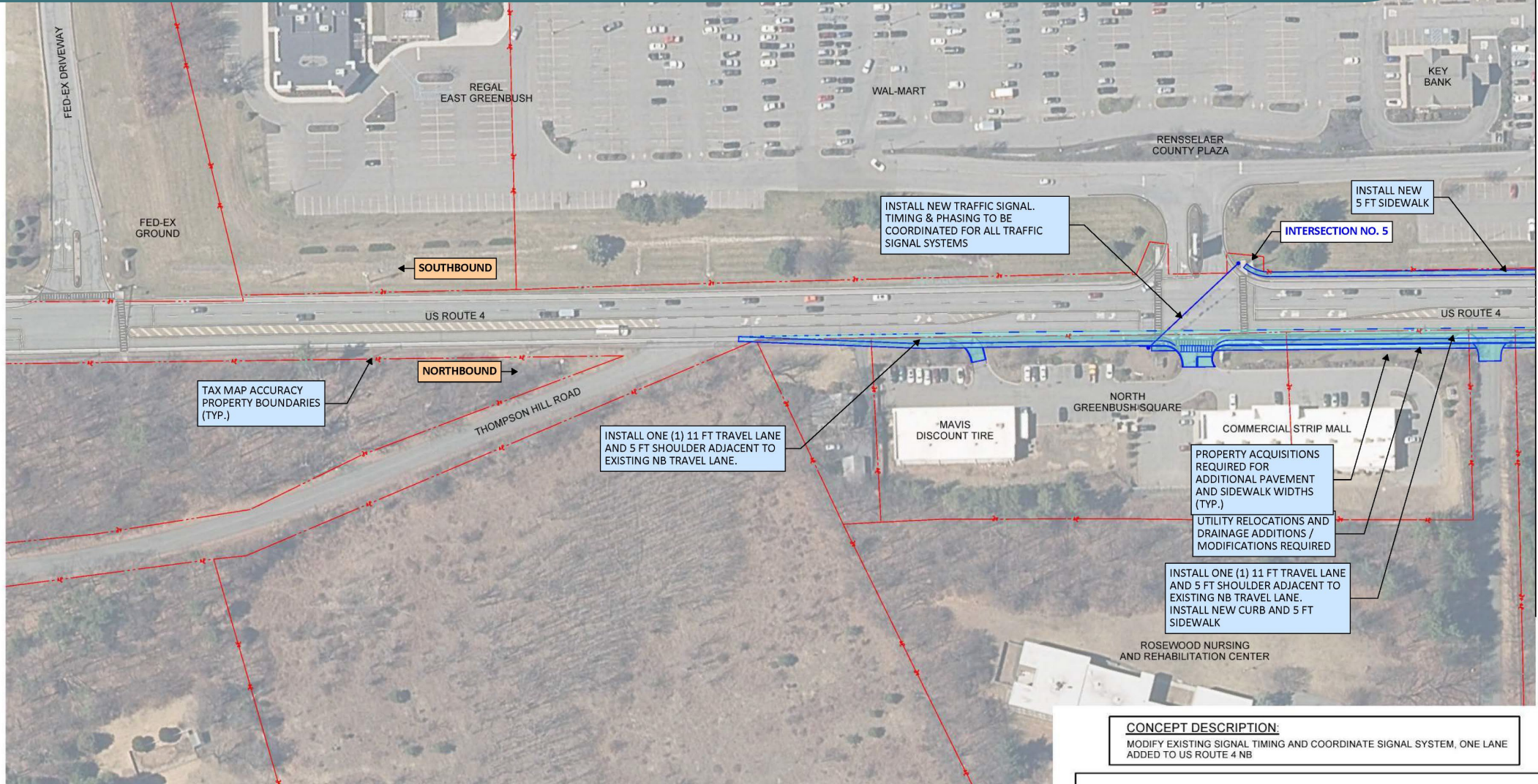
Concept No. 3

Optimized Signal Timing & Improved System Coordination with Additional US Route 4 Northbound Lane

- Coordinated from Agway/Bloominggrove to Walmart Plaza
- Improves progression through corridor
- Additional Northbound Lane from Thompson Hill Road to 625 feet south of NY Route 43
- Added Capacity



Concept No. 3

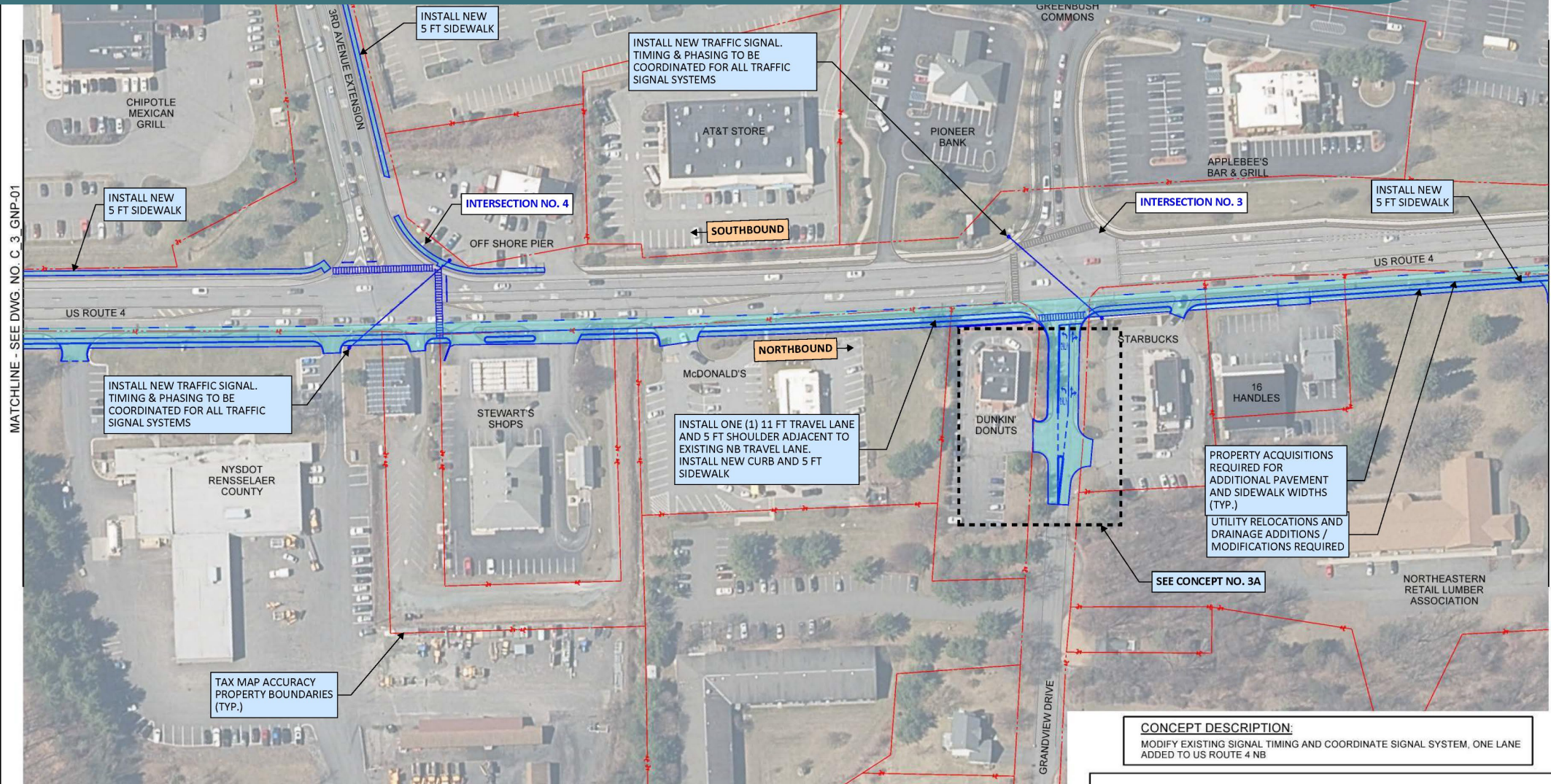


MATCHLINE - SEE DWG. NO. C_3_GNP-02

NOT TO SCALE

CONCEPT NO. 3 - GENERAL PLAN

Concept No. 3



MATCHLINE - SEE DWG. NO. C_3_GNP-01

MATCHLINE - SEE DWG. NO. C_3_GNP-03

CONCEPT DESCRIPTION:
 MODIFY EXISTING SIGNAL TIMING AND COORDINATE SIGNAL SYSTEM, ONE LANE
 ADDED TO US ROUTE 4 NB

NOT TO SCALE

CONCEPT NO. 3 - GENERAL PLAN

US ROUTE 4 CORRIDOR STUDY INTER-MUNICIPAL UPDATE

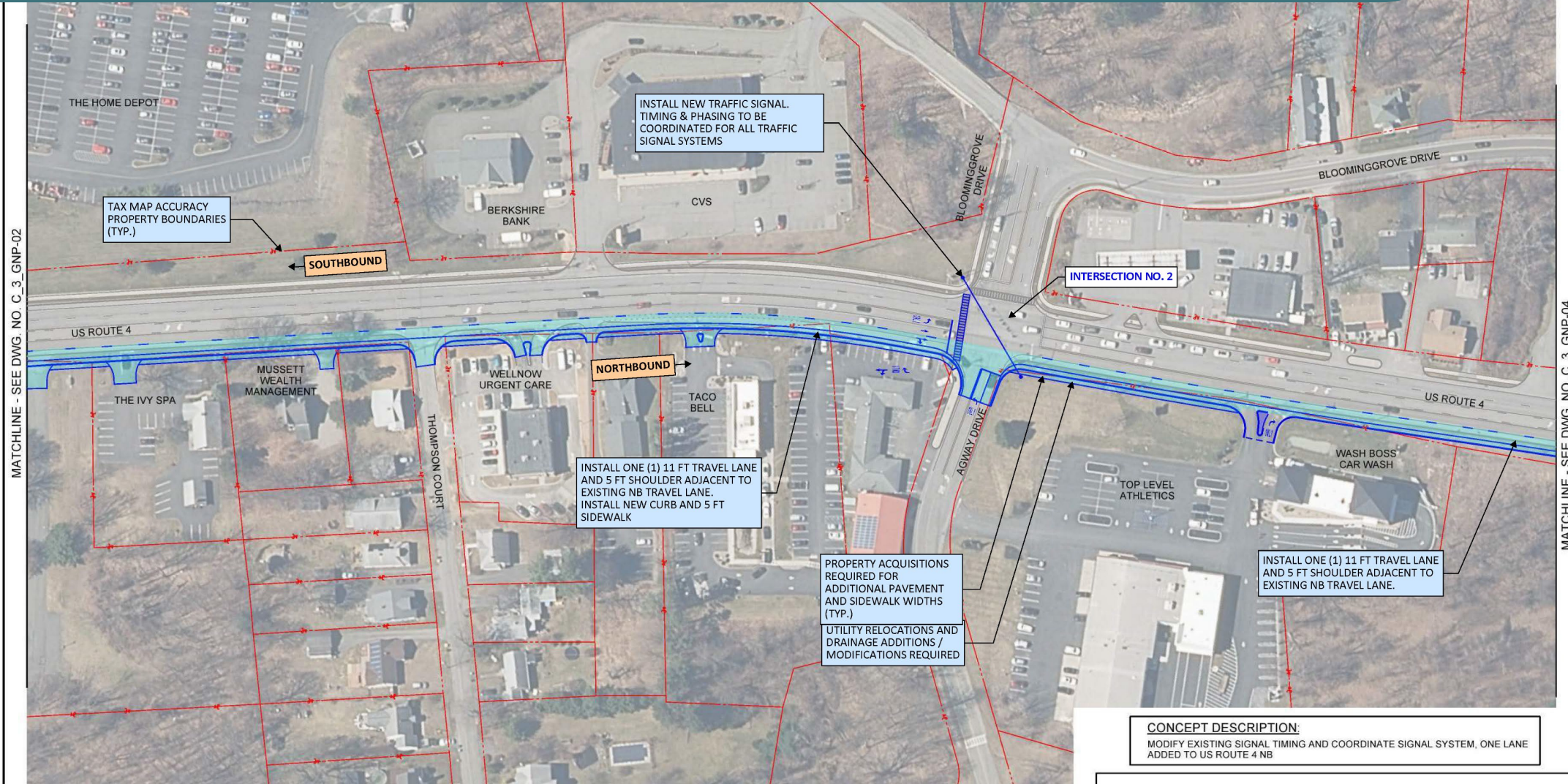


TOWN OF
EAST GREENBUSH

TOWN OF
NORTH GREENBUSH

DWG. NO.
C_3_GNP-02

Concept No. 3



MATCHLINE - SEE DWG. NO. C_3_GNP-02

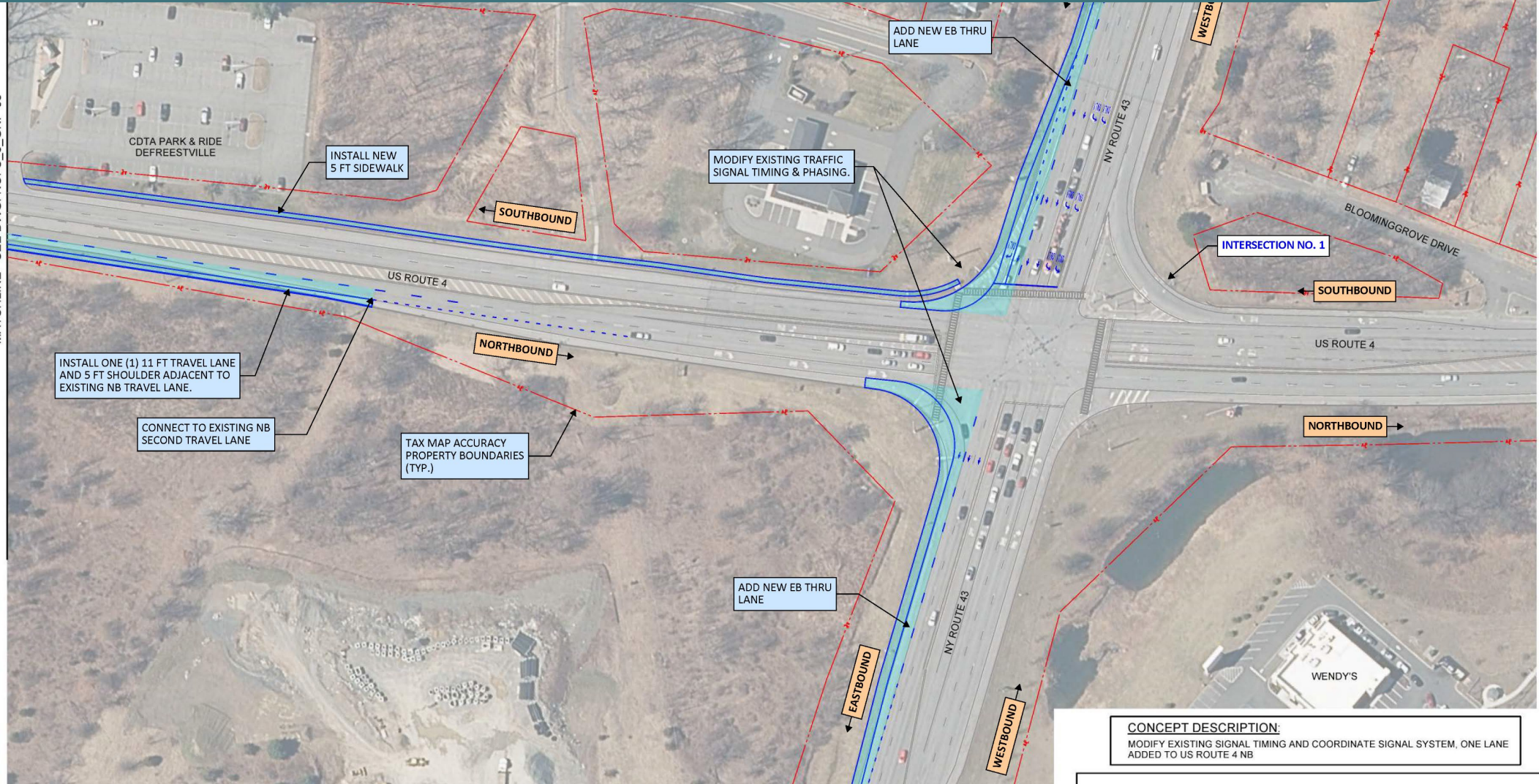
MATCHLINE - SEE DWG. NO. C_3_GNP-04

NOT TO SCALE

CONCEPT NO. 3 - GENERAL PLAN

Concept No. 3

MATCHLINE - SEE DWG. NO. C_3_GNP-03



CONCEPT DESCRIPTION:
 MODIFY EXISTING SIGNAL TIMING AND COORDINATE SIGNAL SYSTEM, ONE LANE ADDED TO US ROUTE 4 NB

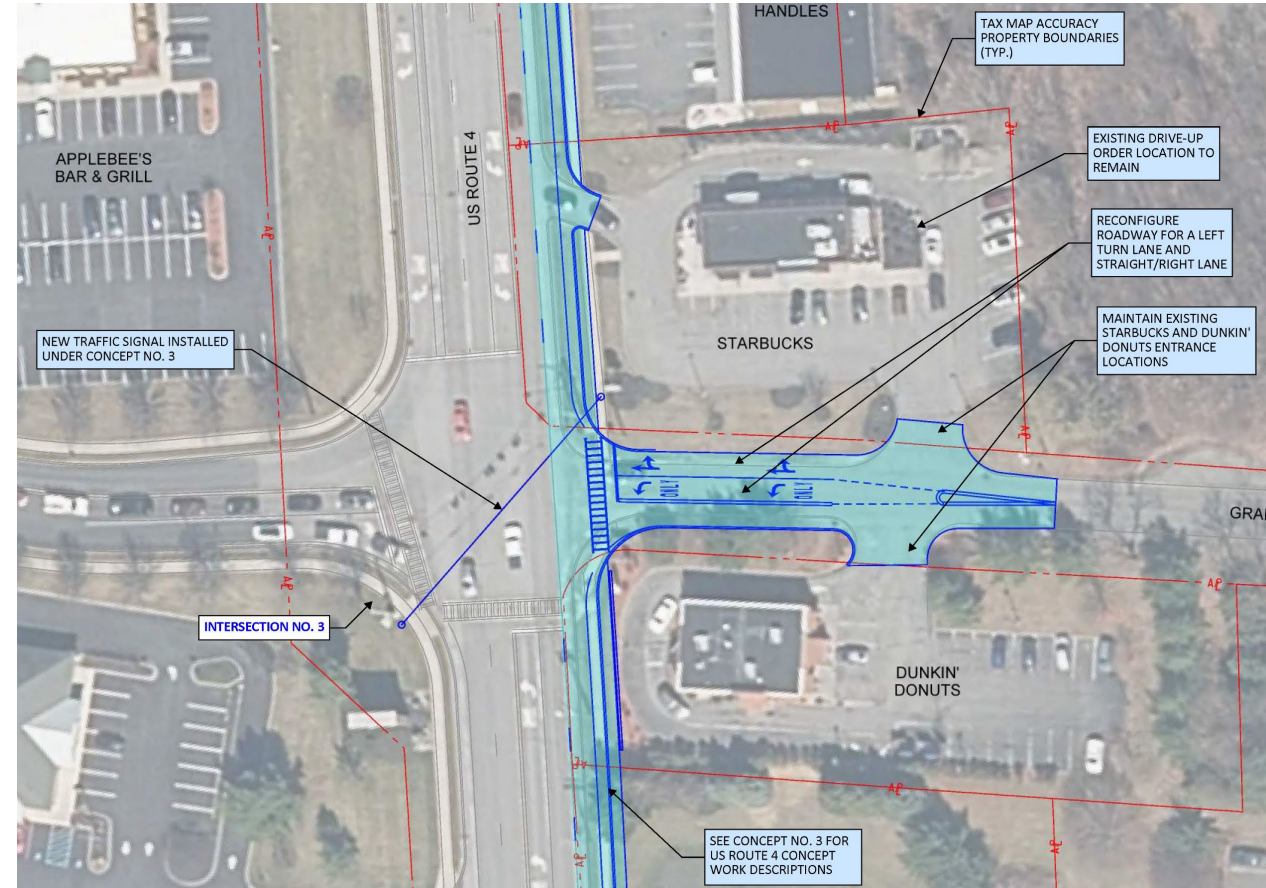
NOT TO SCALE

CONCEPT NO. 3 - GENERAL PLAN

Concept No. 3A

Optimized Signal Timing & Improved System Coordination with Additional US Route 4 Northbound Lane

- US Route 4 Same as Concept No. 3
- Add Left Turn Lane on Grandview
- Add Capacity for Heavy Left Turn Volume



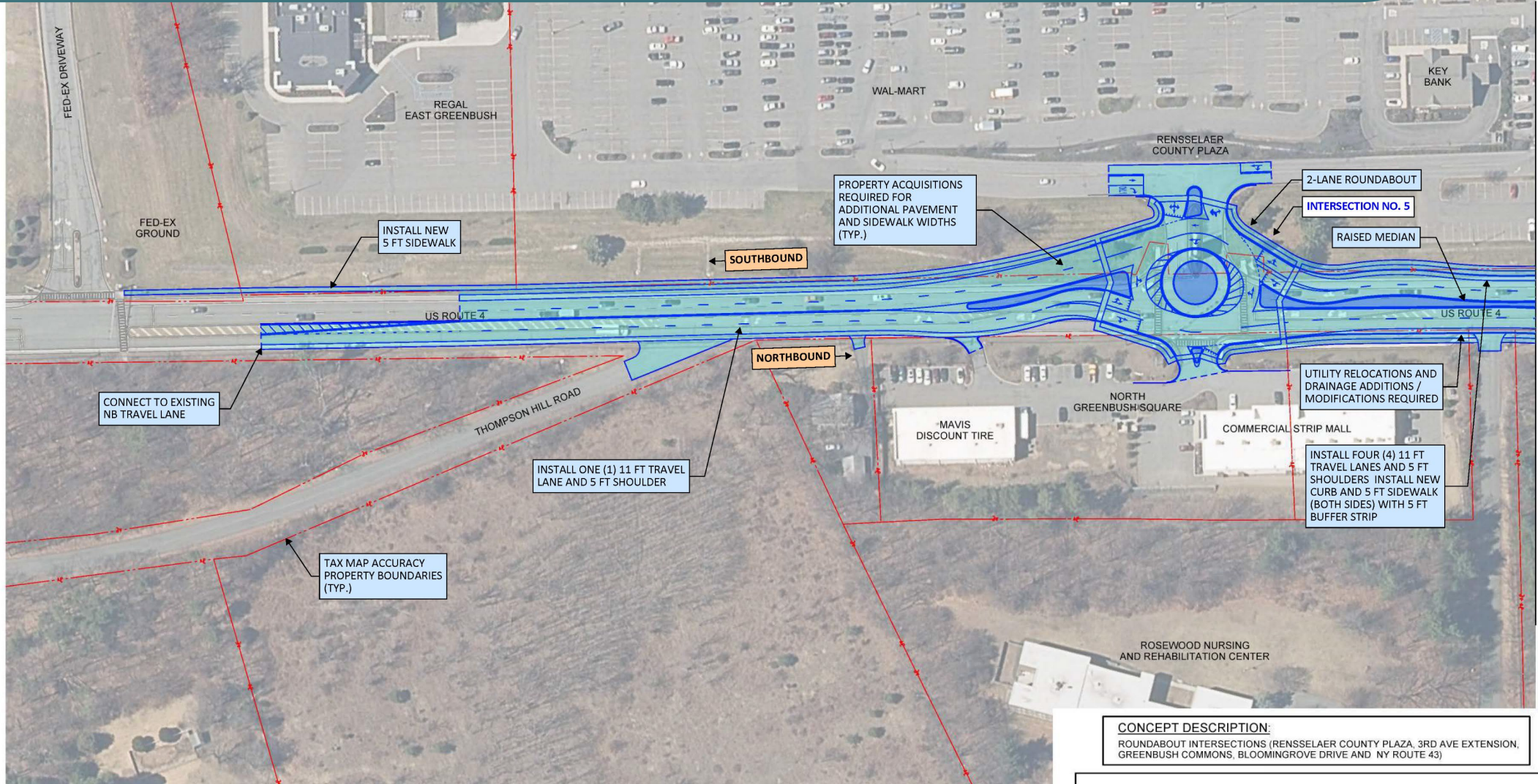
Concept No. 4

Roundabout Intersections

- Five (5) Study Intersections converted to Roundabouts
- Modified 2-Lane Roundabouts
- Varying Approach Lane Configurations
- Two-way Left-turn Lane between NY Route 43 and Grandview Drive
- Raised Median between Grandview Drive and Walmart Plaza



Concept No. 4

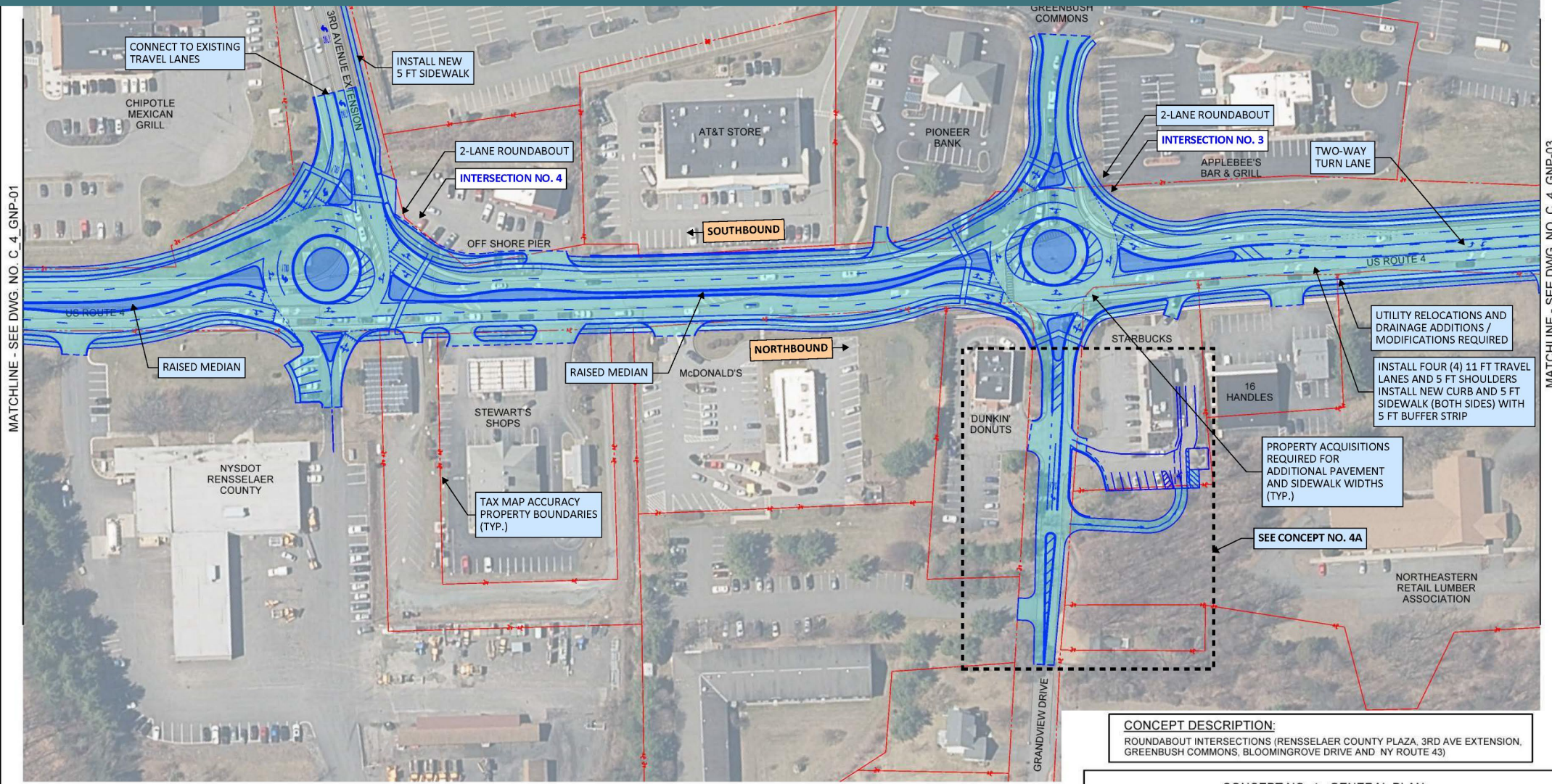


CONCEPT DESCRIPTION:
 ROUNDABOUT INTERSECTIONS (RENSSELAER COUNTY PLAZA, 3RD AVE EXTENSION, GREENBUSH COMMONS, BLOOMINGROVE DRIVE AND NY ROUTE 43)

NOT TO SCALE

CONCEPT NO. 4 - GENERAL PLAN

Concept No. 4



MATCHLINE - SEE DWG. NO. C_4_GNP-01

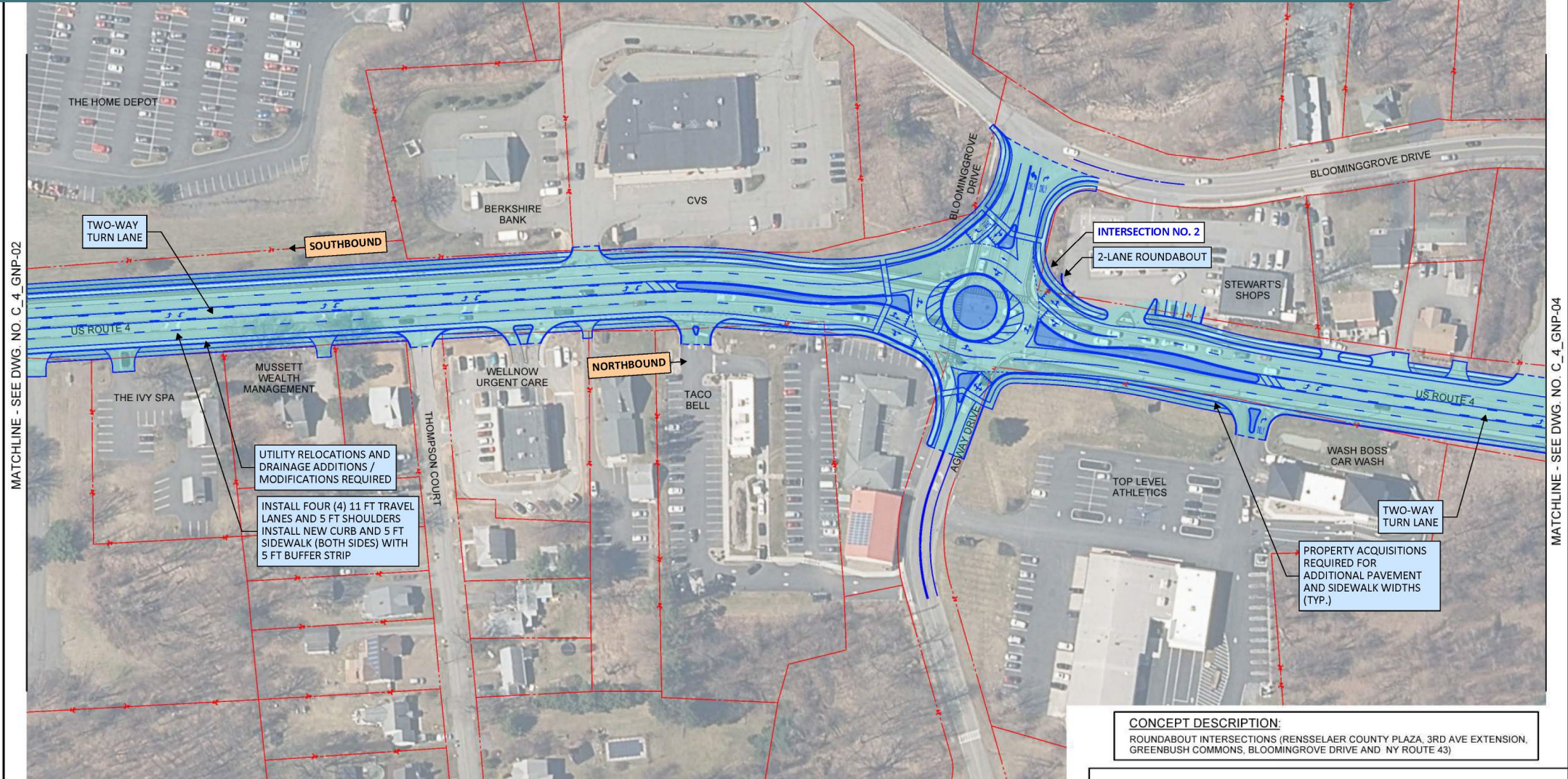
MATCHLINE - SEE DWG. NO. C_4_GNP-03

CONCEPT DESCRIPTION:
 ROUNDABOUT INTERSECTIONS (RENSSELAER COUNTY PLAZA, 3RD AVE EXTENSION, GREENBUSH COMMONS, BLOOMINGROVE DRIVE AND NY ROUTE 43)

NOT TO SCALE

CONCEPT NO. 4 - GENERAL PLAN

Concept No. 4

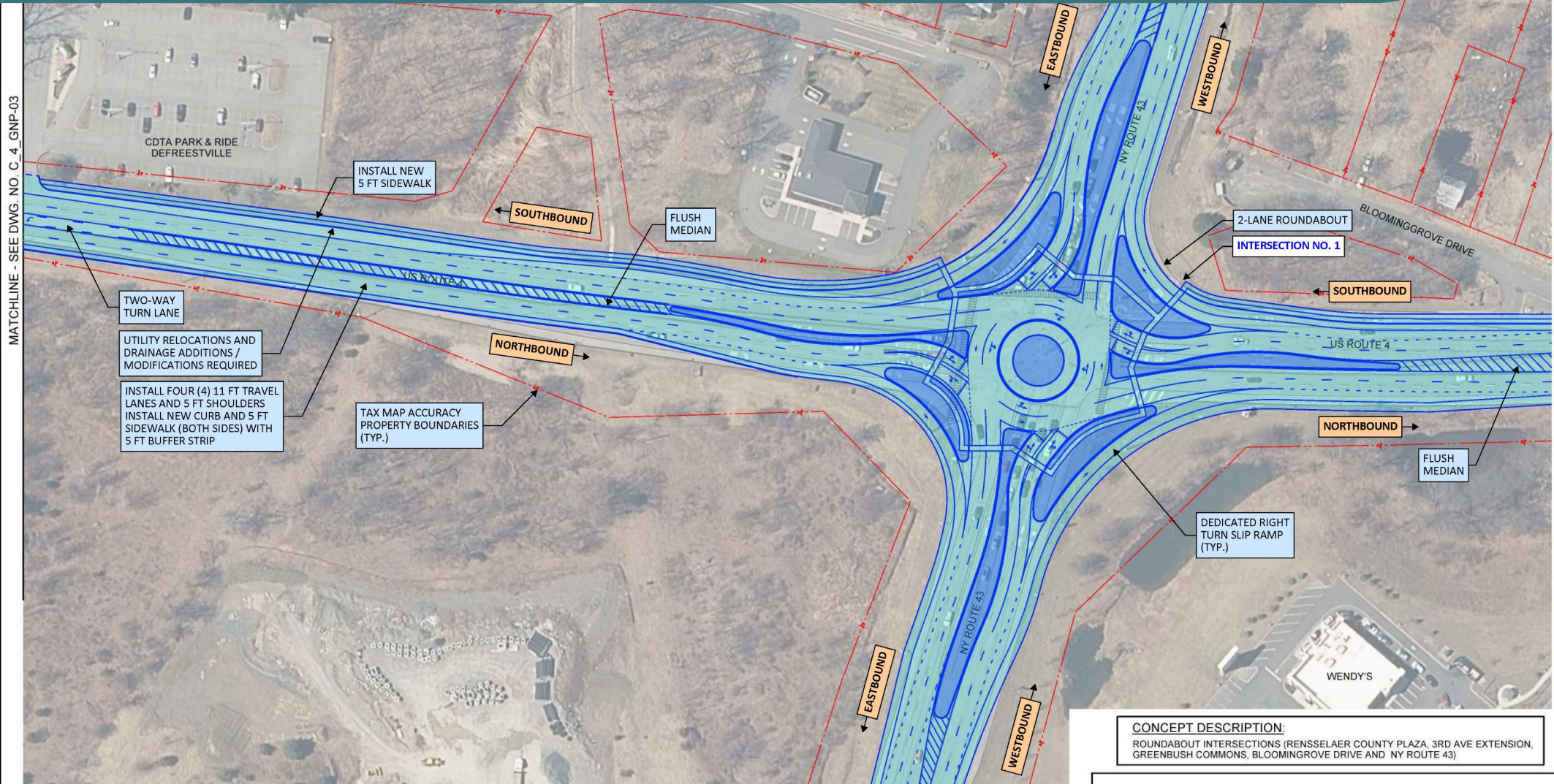


CONCEPT DESCRIPTION:
 ROUNDABOUT INTERSECTIONS (RENSSELAER COUNTY PLAZA, 3RD AVE EXTENSION, GREENBUSH COMMONS, BLOOMINGGROVE DRIVE AND NY ROUTE 43)

NOT TO SCALE

CONCEPT NO. 4 - GENERAL PLAN

Concept No. 4



TWO-WAY TURN LANE
UTILITY RELOCATIONS AND DRAINAGE ADDITIONS / MODIFICATIONS REQUIRED
INSTALL FOUR (4) 11 FT TRAVEL LANES AND 5 FT SHOULDERS
INSTALL NEW CURB AND 5 FT SIDEWALK (BOTH SIDES) WITH 5 FT BUFFER STRIP

INSTALL NEW 5 FT SIDEWALK

FLUSH MEDIAN

TAX MAP ACCURACY PROPERTY BOUNDARIES (TYP.)

DEDICATED RIGHT TURN SLIP RAMP (TYP.)

CONCEPT DESCRIPTION:
ROUNDABOUT INTERSECTIONS (RENSSELAER COUNTY PLAZA, 3RD AVE EXTENSION, GREENBUSH COMMONS, BLOOMINGGROVE DRIVE AND NY ROUTE 43)

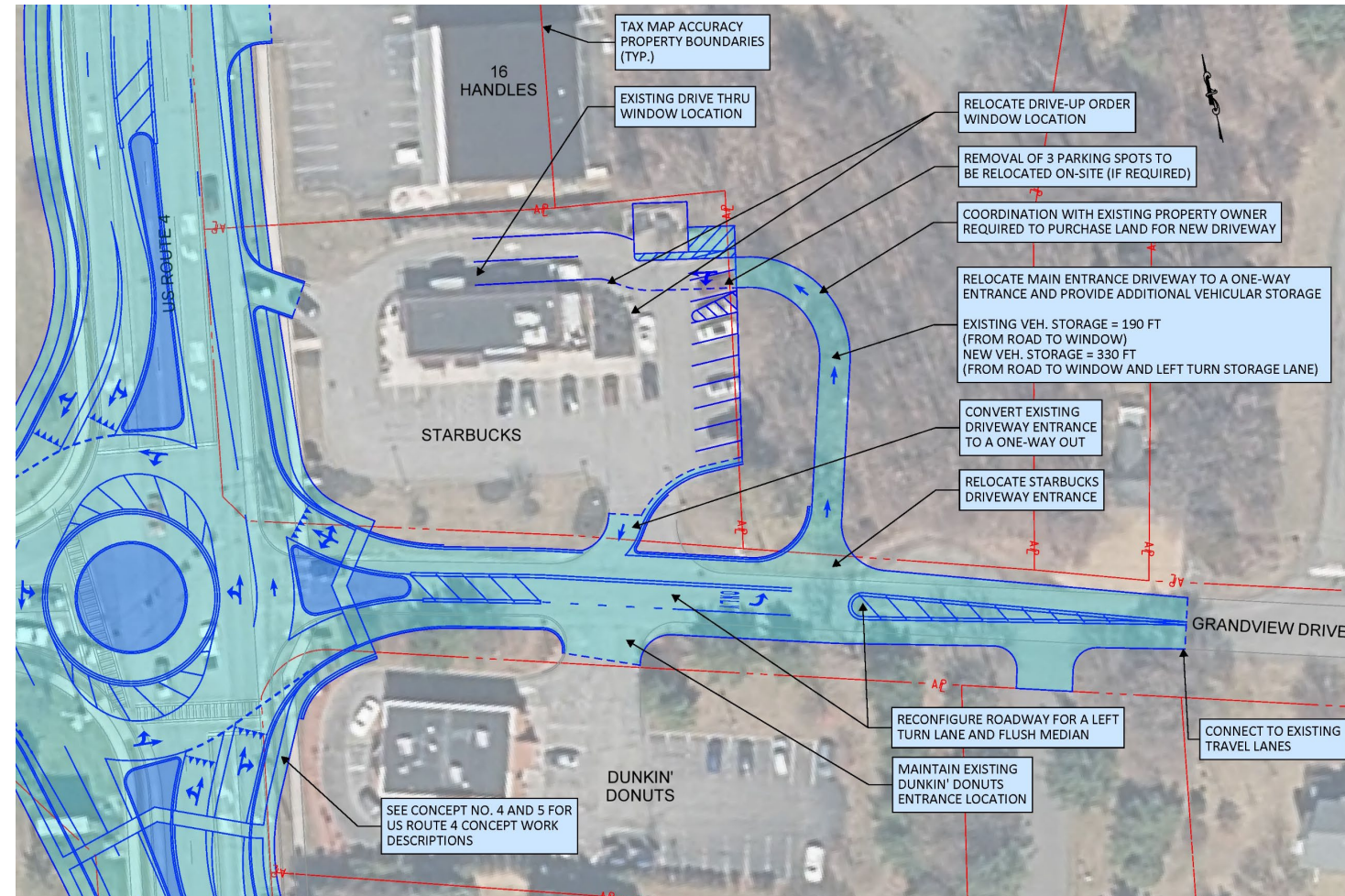
NOT TO SCALE

CONCEPT NO. 4 - GENERAL PLAN

Concept No. 4A

Roundabout Intersections

- US Route 4 Same as Concept No. 4
- Add Left Turn Lane into Starbucks
- Reduce Spilling of Drive-Thru Traffic onto US Route 4
- Reduce blocking of Grandview Drive



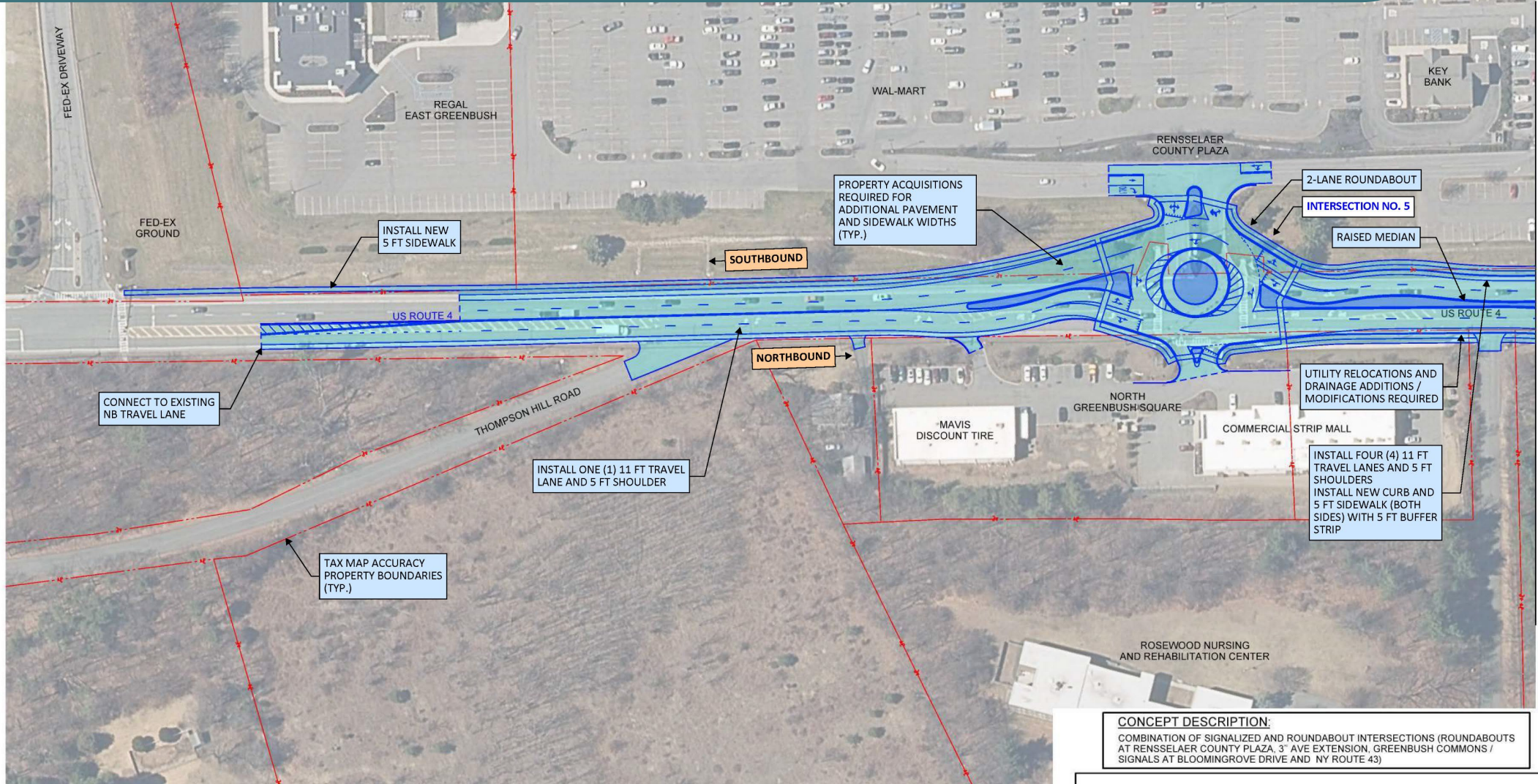
Concept No. 5

Combination of Signalized and Roundabout Intersections

- Combines Concept Nos. 3 and 4
- Signal at NY Route 43 and Bloominggrove Drive
- Roundabouts at Grandview Drive, 3rd Avenue Extension, and Walmart Plaza
 - These three (3) intersections spaced close – All Roundabouts



Concept No. 5

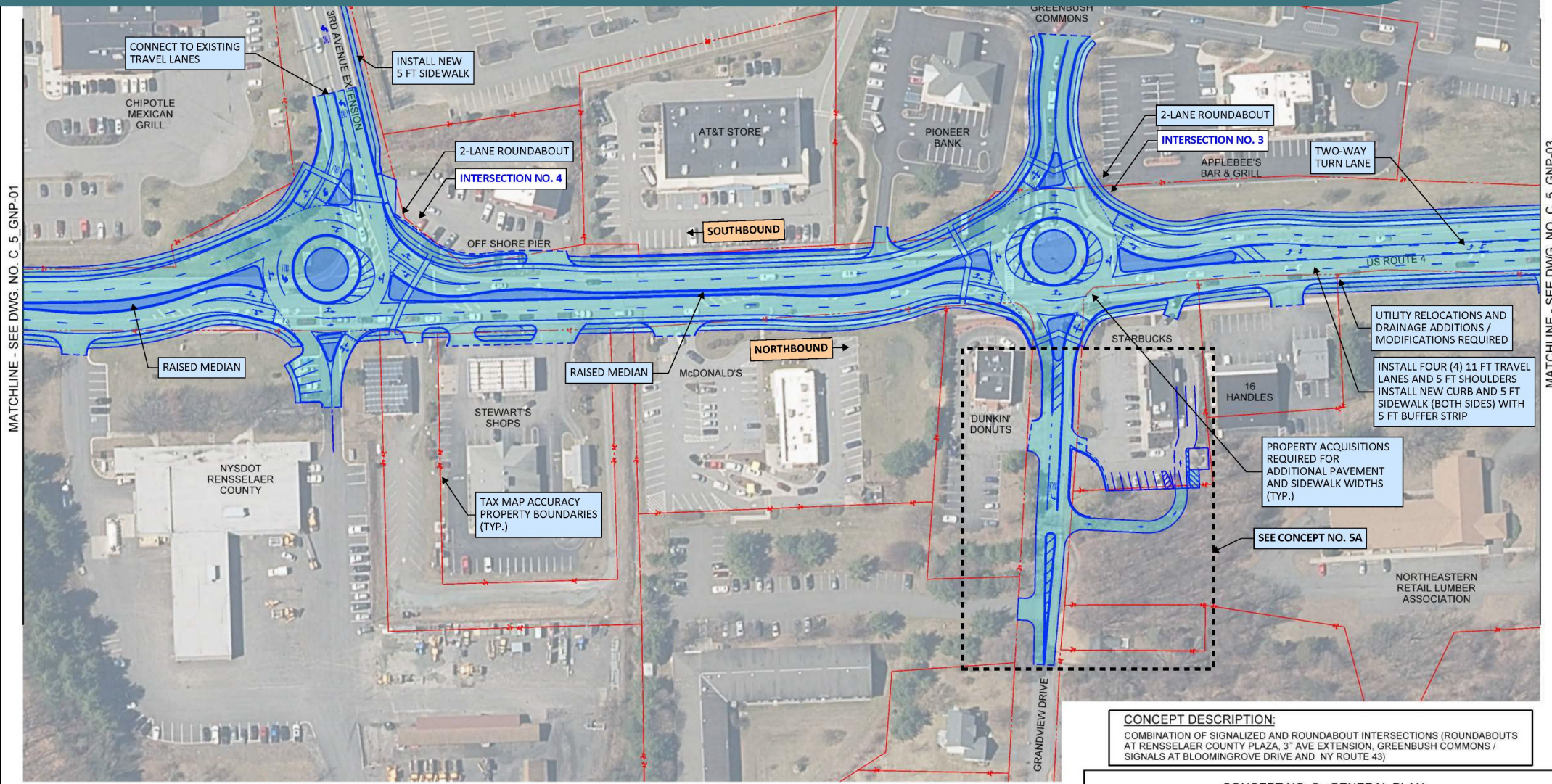


CONCEPT DESCRIPTION:
 COMBINATION OF SIGNALIZED AND ROUNDABOUT INTERSECTIONS (ROUNDABOUTS AT RENSSELAER COUNTY PLAZA, 3RD AVE EXTENSION, GREENBUSH COMMONS / SIGNALS AT BLOOMINGROVE DRIVE AND NY ROUTE 43)

NOT TO SCALE

CONCEPT NO. 5 - GENERAL PLAN

Concept No. 5



MATCHLINE - SEE DWG. NO. C_5_GNP-01

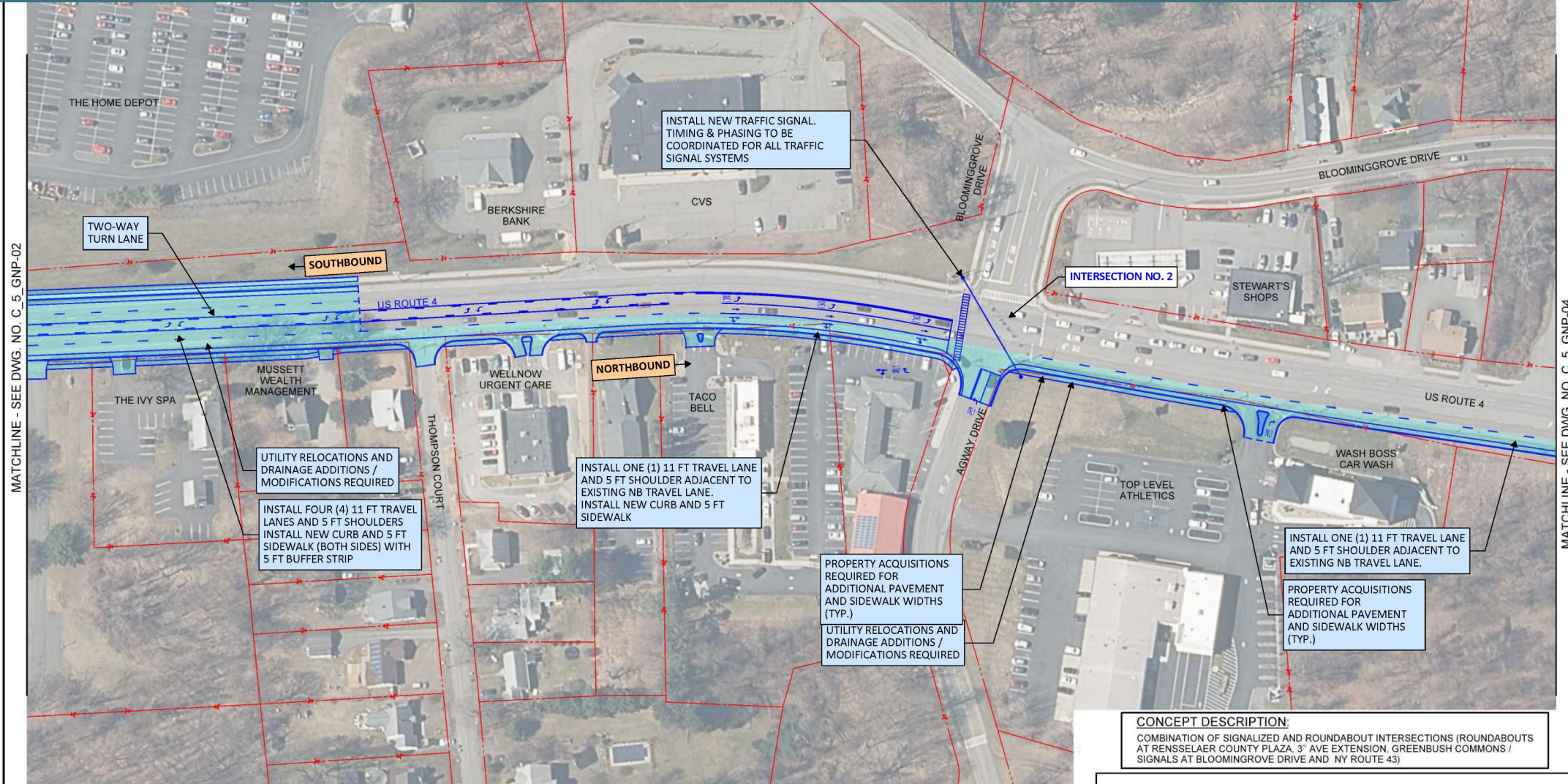
MATCHLINE - SEE DWG. NO. C_5_GNP-03

CONCEPT DESCRIPTION:
 COMBINATION OF SIGNALIZED AND ROUNDABOUT INTERSECTIONS (ROUNDABOUTS AT RENSSLAER COUNTY PLAZA 3RD AVE EXTENSION, GREENBUSH COMMONS / SIGNALS AT BLOOMINGGROVE DRIVE AND NY ROUTE 43)

NOT TO SCALE

CONCEPT NO. 5 - GENERAL PLAN

Concept No. 5



MATCHLINE - SEE DWG. NO. C_5_GNP-02

MATCHLINE - SEE DWG. NO. C_5_GNP-04

NOT TO SCALE

CONCEPT NO. 5 - GENERAL PLAN

US ROUTE 4 CORRIDOR STUDY INTER-MUNICIPAL UPDATE

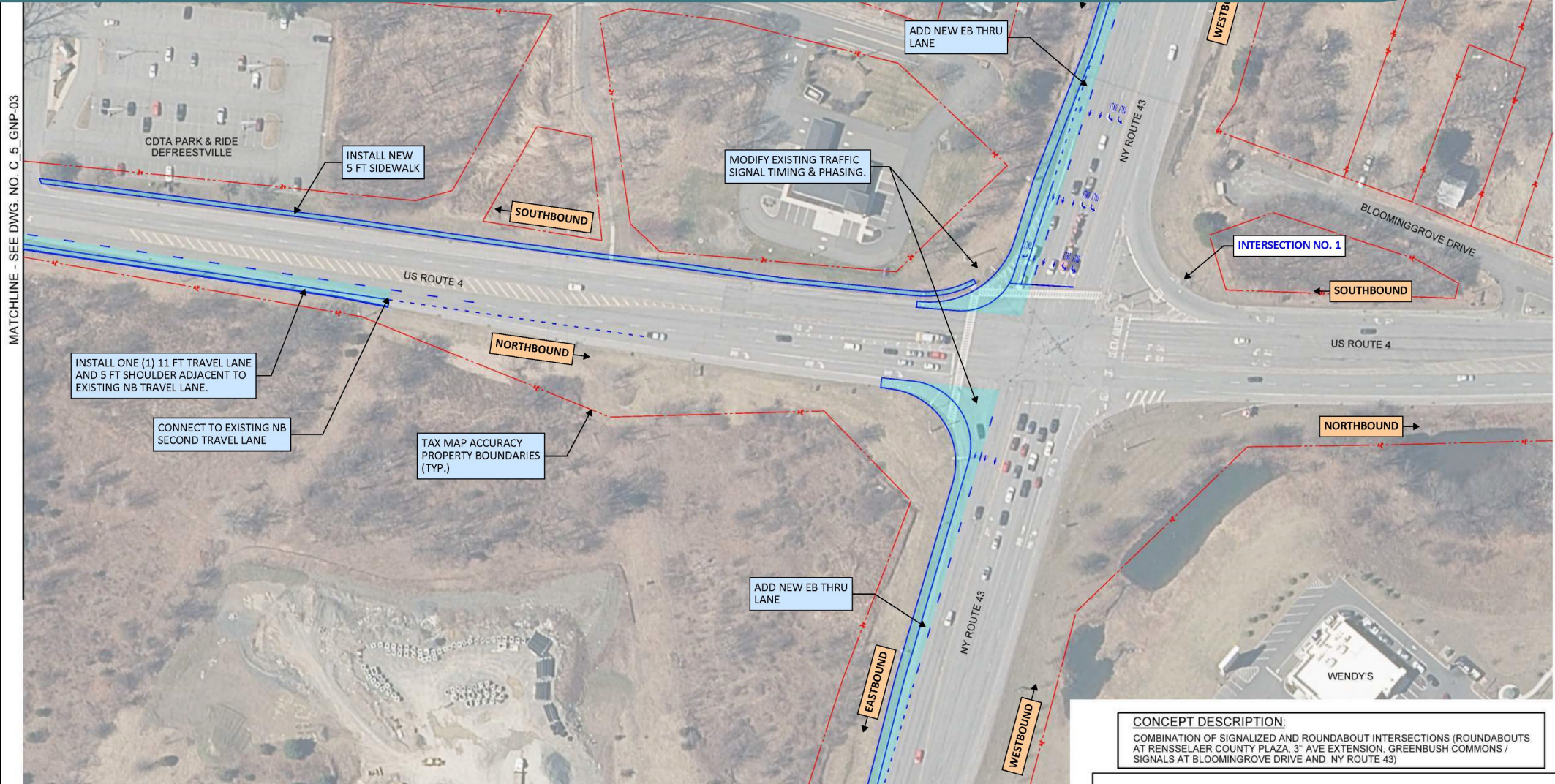


TOWN OF EAST GREENBUSH

TOWN OF NORTH GREENBUSH

DWG. NO.
C_5_GNP-03

Concept No. 5



MATCHLINE - SEE DWG. NO. C_5_GNP-03

CONCEPT DESCRIPTION:
 COMBINATION OF SIGNALIZED AND ROUNDABOUT INTERSECTIONS (ROUNDABOUTS AT RENSSELAER COUNTY PLAZA 3RD AVE EXTENSION, GREENBUSH COMMONS / SIGNALS AT BLOOMINGGROVE DRIVE AND NY ROUTE 43)

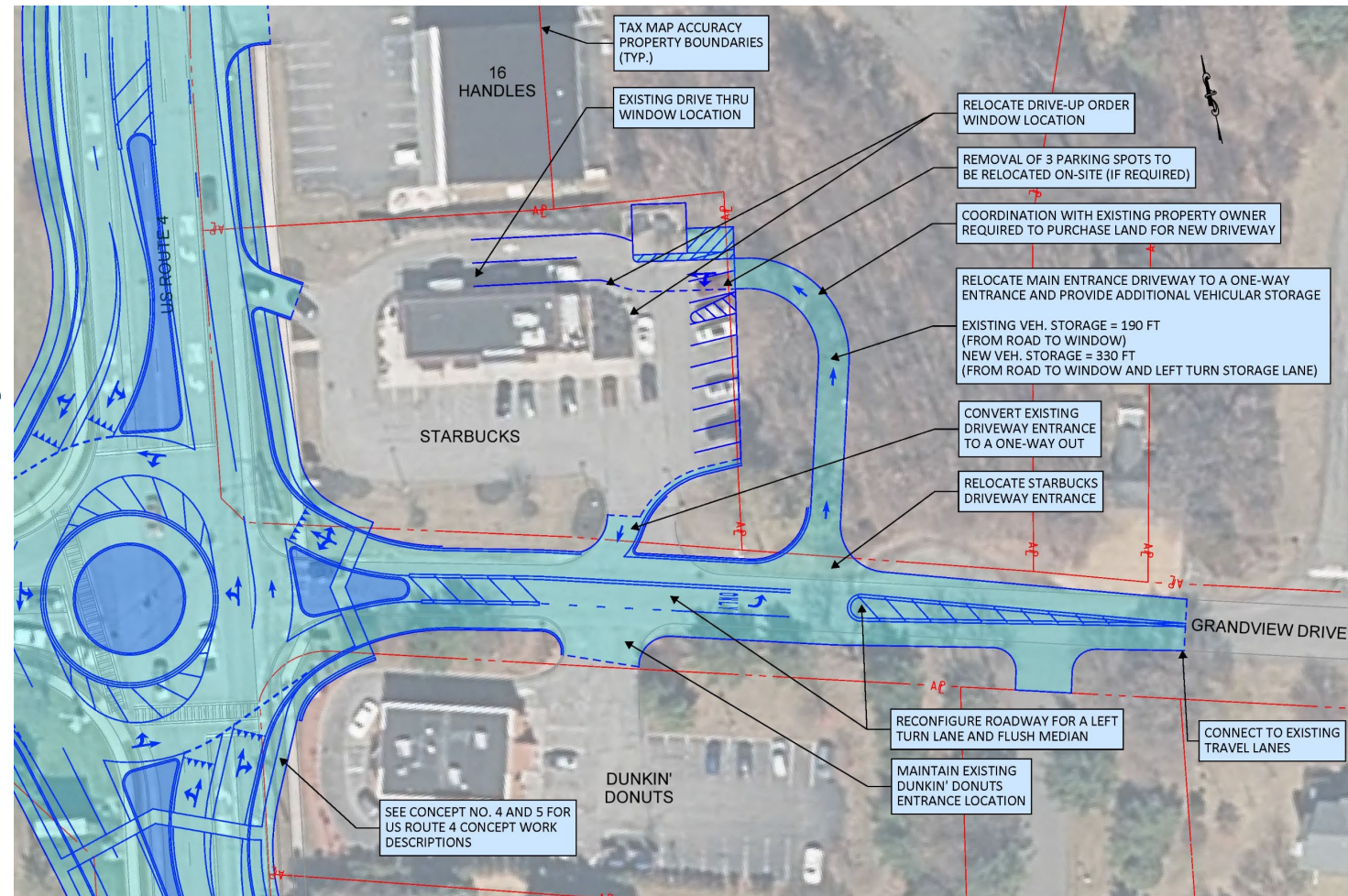
NOT TO SCALE

CONCEPT NO. 5 - GENERAL PLAN

Concept No. 5A

Combination of Signalized and Roundabout Intersections

- US Route 4 Same as Concept No. 5
- Same as Concept 4A
- Add Left Turn Lane into Starbucks
- Reduce Spilling of Drive-Thru Traffic onto US Route 4
- Reduce blocking of Grandview Drive



LOS Comparison

Concept 1:



Concept 3/3A:



Concept 4/4A:



Concept 5/5A:



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Next Steps

- Future Operational Analysis Review
- Refine Concepts
- Survey Highlights Review
- Draft Report Preparation
- SAC #4 Scheduling





**Thank
you!**