

STATE PROJECT NO. 0171-0496

Replacement and Removal of Retaining Walls in Central Connecticut

Virtual Public Information Meeting

Live Event: Wednesday, June 10, 6:30 p.m.

Join us for a Question and Answer session following the formal presentation and send us a question or a comment during the session.

PROJECT EMAIL: DOTProject0171-0496@ct.gov

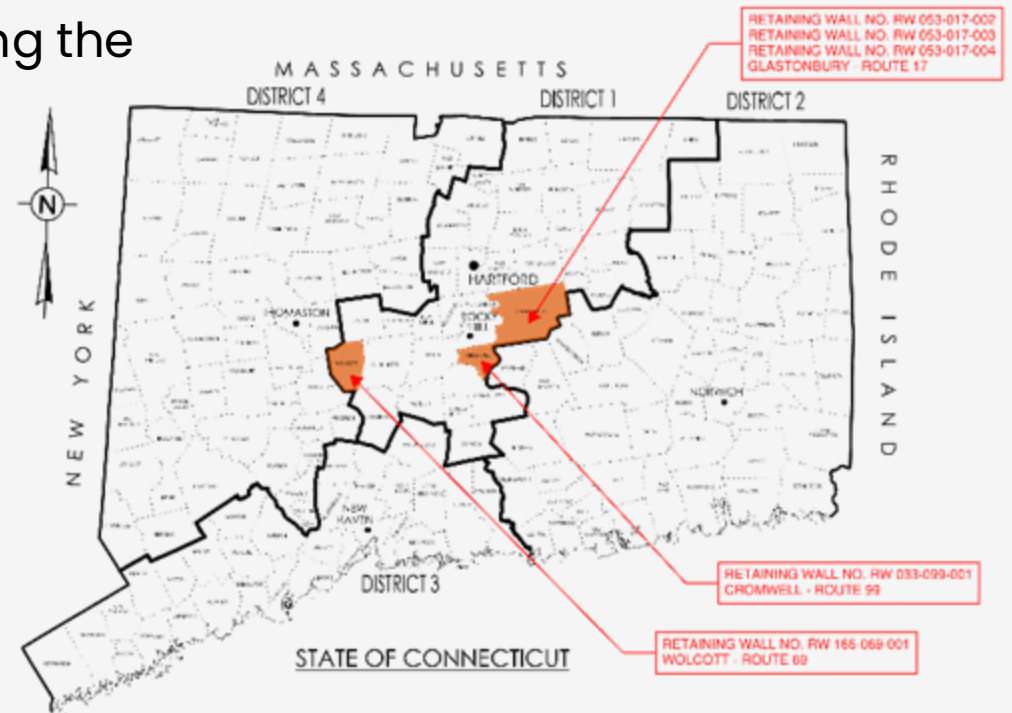
PHONE: (860) 594-2020 (voicemail only)

PROJECT WEBPAGE:

<https://portal.ct.gov/DOTProject0171-0496>

A recording of this presentation will be posted after the live event.

La grabación de esta presentación estará disponible después del evento en YouTube, incluyendo subtítulos y acceso a traducciones en otros idiomas



STATE PROJECT NO. 0171-0496

Replacement and Removal of Retaining Walls in Central Connecticut

Meeting Overview

- Housekeeping – Project Team and meeting interaction
- Formal Presentation of Design – Cromwell, Glastonbury, and Wolcott
 - Explain Existing Conditions
 - Define Purpose and Need
 - Proposed Retaining Wall and Roadway Improvements
- Live Question and Answer (Q&A) Session will be held after each wall presentation and at the end



Title VI – Your Civil Rights

No person shall, on the basis of race, color, or national origin, be excluded from participation or subject to discrimination in the development of this project.

- Voluntary Post-Meeting Survey:
 - <https://portal.ct.gov/ctdotsurvey>
- Title VI Information:
 - <https://portal.ct.gov/dot/opportunity-and-business-development/title-vi>



A recording of this presentation will be posted to CTDOT's YouTube channel after the event.

Closed captioning—including non-English translation options—are available on Zoom and YouTube.





Connecticut Department of Transportation

Title VI Notice to the Public

Individuals and organizations may file a complaint by completing the Title VI complaint form (<https://portal.ct.gov/dot/equity/title-vi>). Complaints should be signed and include contact information and should be sent to: Office of Civil Rights Federal Railroad Administration 1200 New Jersey Avenue, SE ROA-10, Mail Stop 5 Washington, DC 20590

The Connecticut Department of Transportation (CTDOT) operates its programs and services without regard to race, color, and national origin in accordance with Title VI of the Civil Rights Act. Any person who believes she or he has been aggrieved by any unlawful discriminatory practice under Title VI may file a complaint with the CTDOT.

For more information on the CTDOT's civil rights program, and the procedures to file a complaint, contact the CTDOT Title VI Coordinator at (860) 594-2169, TRS 711; Debra.Goss@ct.gov; or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

A complainant may file a complaint directly with the Federal Transit Administration by filing a complaint with the FTA Office of Civil Rights, Attention: Title VI Program Coordinator, East Building, 5th Floor-TCR, 1200 New Jersey Ave., SE, Washington, DC 20590

A complainant may file a complaint directly with the Federal Highway Administration by filing a complaint with the FHWA Office of Civil Rights, Attention: Title VI Program Coordinator, 8th Floor E81-105, 1200 New Jersey Ave., SE, Washington, DC 20590

如需更多信息或免费语言协助，请致电 (860) 594-2109

Para información adicional, o asistencia lingüística gratuita, por favor llame al (860) 594-2109

Per informazioni aggiuntive o assistenza linguistica gratuita, chiamare il numero (860) 594-2109

Para obter mais informações, ou para auxílio gratuito em outro idioma, ligue para (860) 594-2109

Aby uzyskać dodatkowe informacje lub bezpłatną pomoc tłumacza, proszę dzwonić pod numer (860) 594-2109

Для получения подробной информации или бесплатных услуг перевода звоните по телефону (860) 594-2109

Pou jwenn plis enfòmasyon, oswa asistans ak lang gratis, ranpri rele (860) 594-2109

لمزيد من المعلومات أو للحصول على مساعدة لغوية مجانية، يرجى الاتصال بالرقم (860) 594-2109

Si vous souhaitez en savoir plus ou bénéficier d'une assistance linguistique gratuite, merci de composer le numéro suivant (860) 594-2109

अधिक जानकारी या निःशुल्क भाषा संबंधी सहायता के लिए कृपया (860) 594-2109 पर कॉल करें।

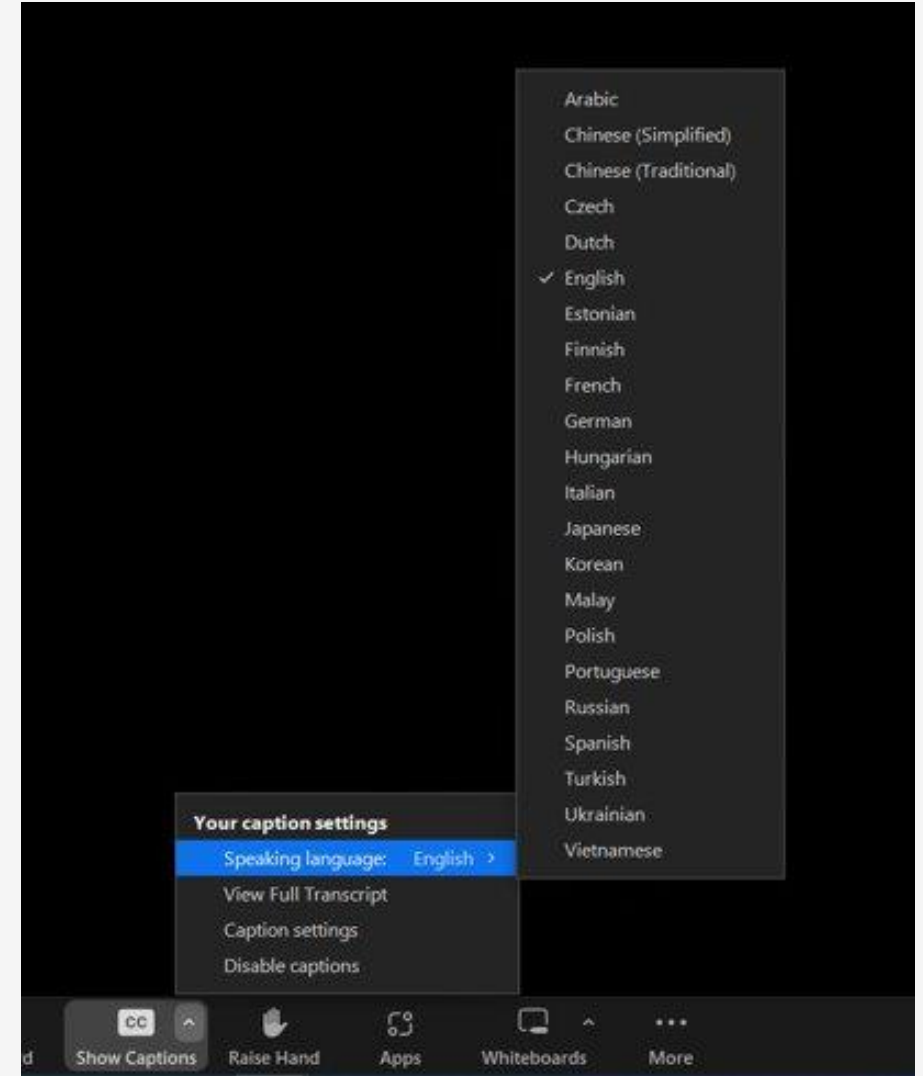
추가 정보가 필요하거나 무료 언어 지원이 필요하시면 (860) 594-2109로 전화하십시오

Để có thêm thông tin hoặc hỗ trợ ngôn ngữ miễn phí, vui lòng gọi (860) 594-2109

How to view captions & subtitles in Zoom

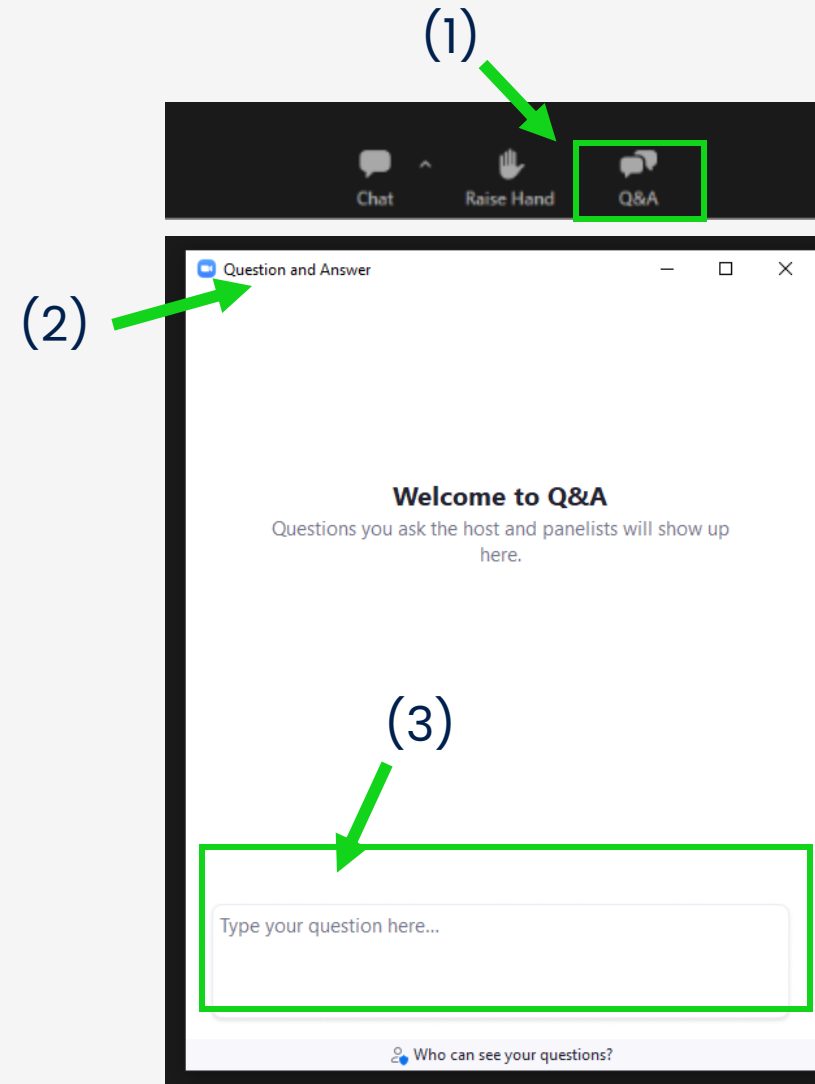
1. Click Show Captions (CC).
2. Click the Speaking Language.
3. Select the language you would like from the list shown.

Closed captioning—including non-English translation options—are available on YouTube after the event.



How to use Zoom Q&A

- (1) Select the Q&A tool at the bottom of the Zoom webinar window.
- (2) The Q&A window will open as seen on the right.
- (3) Please type question in the textbox and click enter.
- If you are an audio only participant, dial *9 to raise and lower your hand.



Question & Answer Session



By Email: DOTProject0171-0496@ct.gov



By Phone: (860) 594-2020 (voicemail)



On Zoom: Q&A

Questions will be posted to the Zoom chat



Project Webpage:

<https://portal.ct.gov/DOTProject0171-0496>

Note: Comment period is open through June 24, 2026

*Zoom Q&A is only available during live Q&A session



Moderator will answer questions posted in the Zoom Q&A function



PROJECT TEAM – CTDOT



**Gregory A. Funk,
P.E.**

Transportation
Principal Engineer

Consultant Bridge
Design



**Francisco Fadul,
P.E.**

Transportation
Supervising Engineer

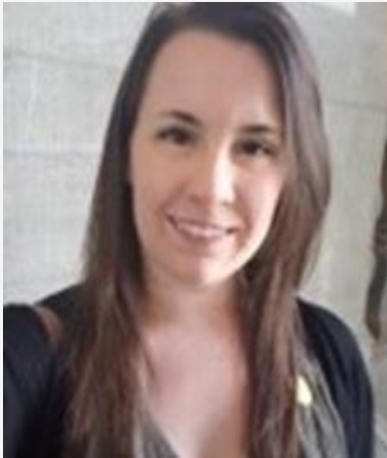
Consultant Bridge
Design



**Corey Burroughs,
P.E.**

Project Engineer

Consultant Bridge
Design



Kathleen Ericson

Project ROW
Coordinator

Division of Rights
of Way



Jack Carlson

Project ROW
Coordinator

Division of Rights
of Way



PROJECT TEAM – DESIGNER & CLE



**Brian Chamberlin,
P.E.**

Project Manager –
Bridges

Jacobs



Don Costello, P.E.

NE Structures Group
Leader

Jacobs



Tim Ryan, P.E.

Highway Lead

Jacobs



Donald Wurst, P.E.

CLE Program Manager

CHA Consulting



Robert Bahler, P.E.

CLE Project Manager

CHA Consulting



Karl Stanek, Jr.

CLE Project
Engineer

CHA Consulting



CTDOT DIVISION OF RIGHTS-OF-WAY

Our Division

- Administration Agents
- Title Searchers
- Licensed Appraisers
- Acquisition Agents (Negotiators)
- Title Closing Agents

Our Function

- Acquire all property/property rights necessary for State projects

Statutory References

- State of Connecticut
 - C.G.S. Section 13a-73 & 13a-98e
- Federal
 - Uniform Relocation Assistance, as amended
 - Real Property Acquisition Policies Act of 1970, as amended



RIGHT-OF-WAY ACQUISITION PROCESS

INITIAL LETTER

Communication to initiate the states acquisition process

VALUATION

Determine fair market value of property rights

OFFER

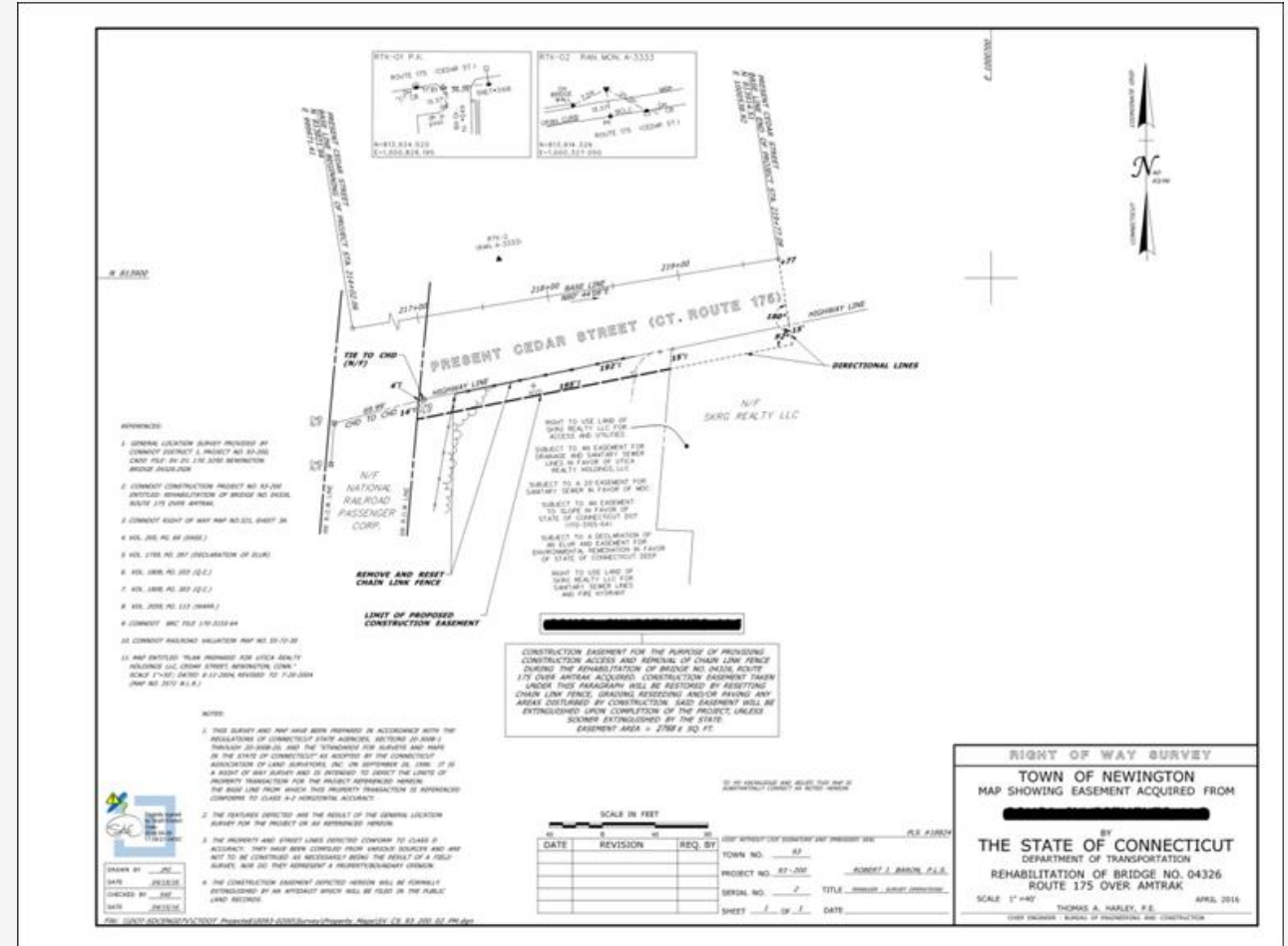
The offer to acquire necessary property/ property rights

NEGOTIATION

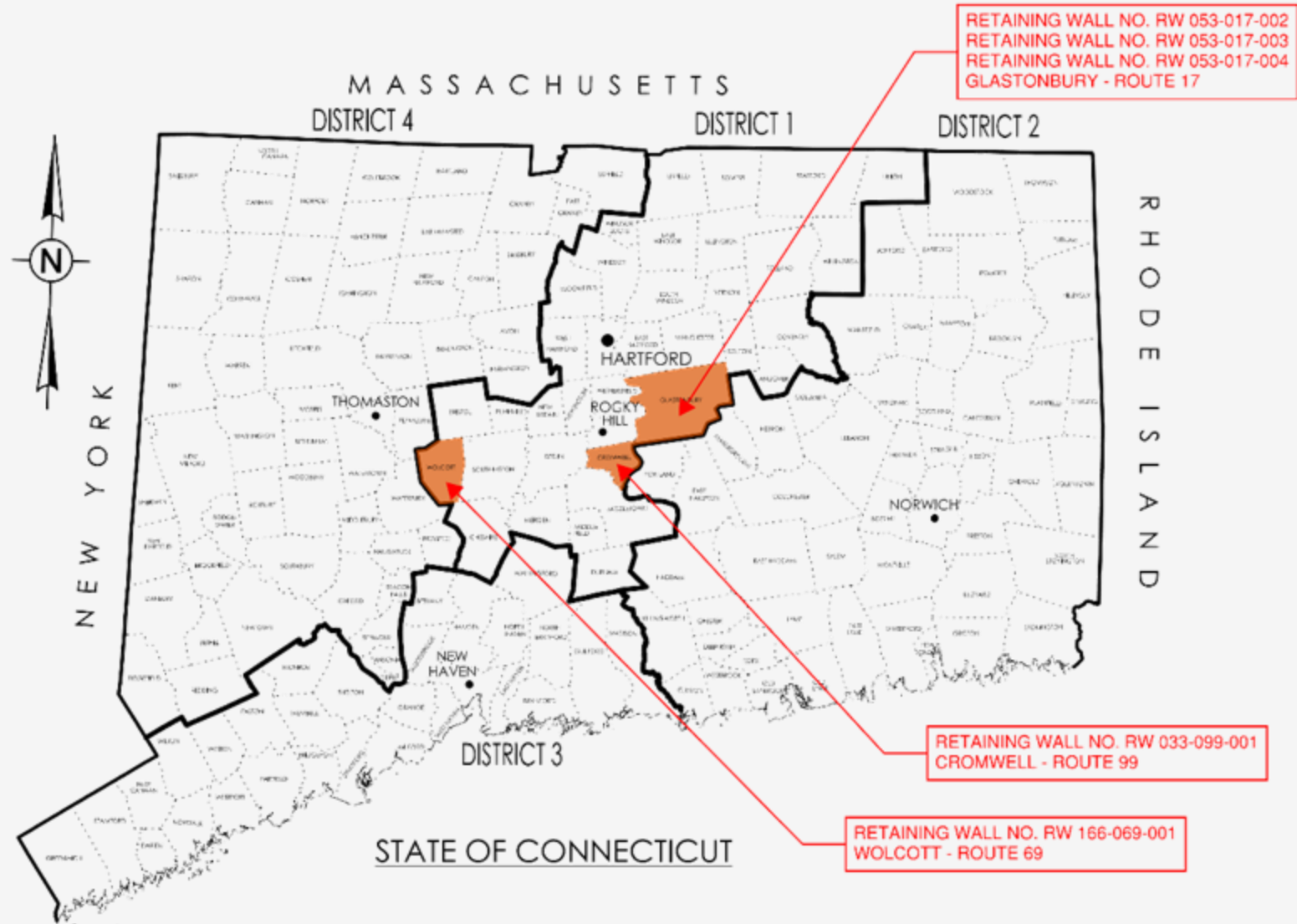
The time to consider the states offer and enter negotiations

AGREEMENT

Friendly Agreement
Eminent Domain



TOWN LOCATION PLAN



PROJECT PURPOSE & NEEDS

Purpose:

Address the deficiencies of the retaining walls to accommodate safe travel for all facility users of the roadways.

Needs:

- Identify and repair, remove, or replace sections of the deteriorated walls.
- Maintain the stability of the retaining walls or slopes.
- Maintain functionality of all utilities throughout the sites.
- Maintain travel on roadways during and after construction.



PROJECT SCHEDULE & COSTS

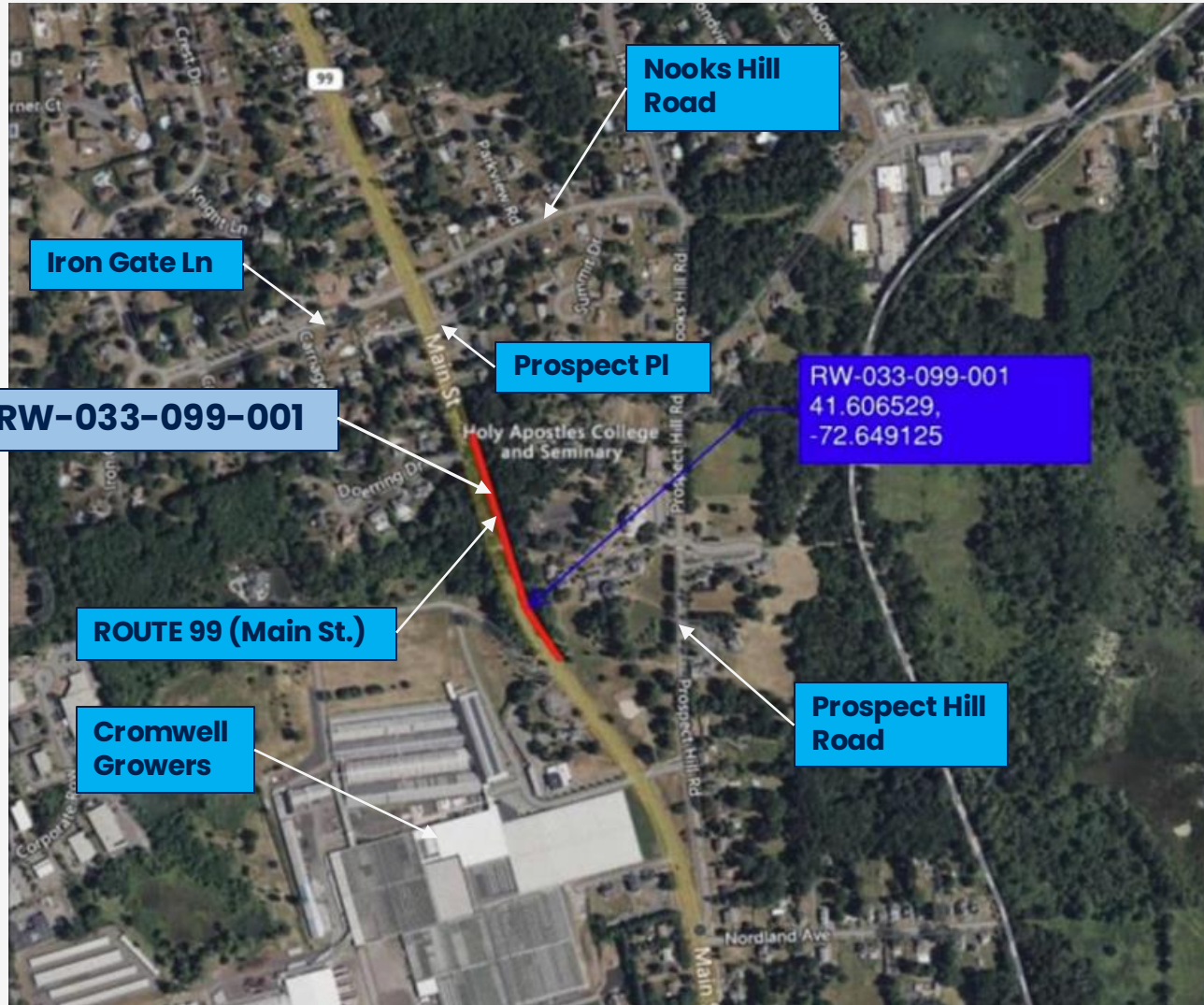
- Design Completion and Construction Advertising – Summer/Fall 2027
- Begin Construction – Spring 2028
- End Construction – Fall 2028
- Approx. Construction Cost – \$13 Million (total cost – all walls)
 - 80% Federal Funds / 20% State Funds
- Work will be done at zero cost to the Towns

** Project construction cost and schedule are preliminary and are subject to availability of State funds. Cost and Schedule may change as project continues through the Design Phase.



PROJECT LOCATION - CROMWELL | RW-033-099-001

Cromwell



EXISTING CONDITIONS – CROMWELL | RW-033-099-001

RW-033-099-001

- Concrete Crib Wall
 - Approximately 910' long
 - Average height of 4'
- Year of construction: Unknown
- Supports a forested, sloped embankment
- Wall is set back approximately 6' from roadway edge

ROADWAY- ROUTE 99 (Main Street)

- Classification: Urban Minor Arterial
- ADT: 6,800 vpd (2024)
- Posted Speed: 40 mph



EXISTING CONDITIONS – CROMWELL | RW-033-099-001

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 1 | Backfill/Settlement = 0 | Structural = 1
Total Rating = 2

Condition Notes:

- Some locations of structural damage, areas out of plumb and dislodged or missing top cribs
- Sections of backfill loss
- Numerous spalled locations
- 12' section – Bowed/collapsed toward the backfill



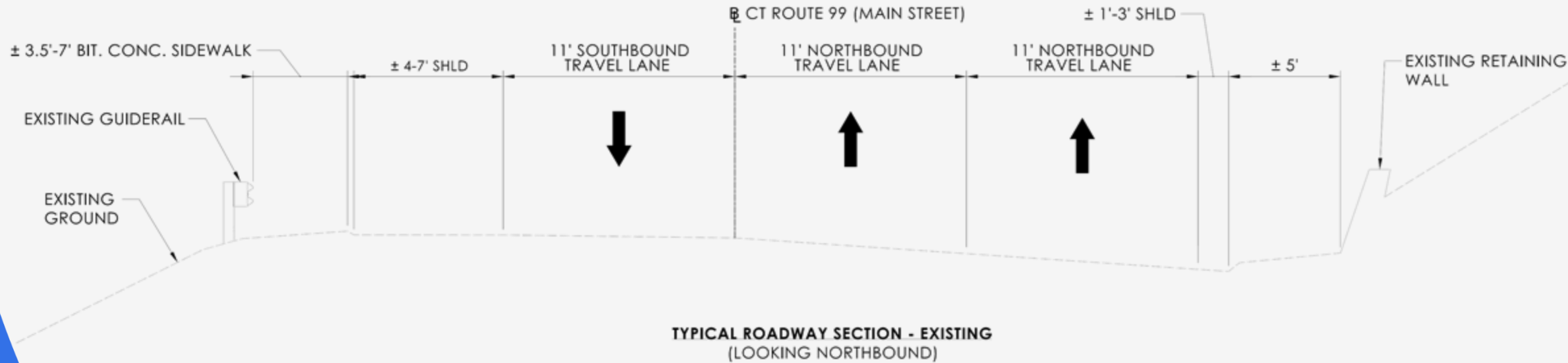
PROPOSED SCOPE – CROMWELL | RW-033-099-001

Remove Wall and Grade Slope

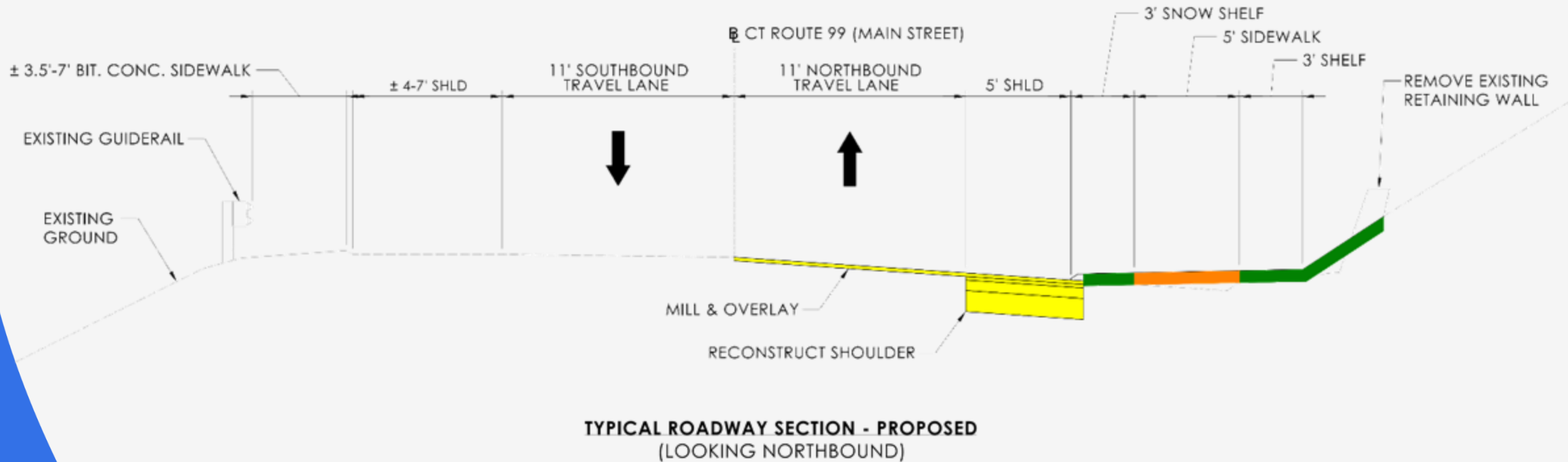
- Remove existing Retaining Wall RW-033-099-001
- Eliminate one Northbound lane
- Construct 5-foot shoulder for bicycle improvements
- Install sidewalk on northbound side of road
 - Extend sidewalk south to Fritsch Lane
 - Extend sidewalk north to Nooks Hill Road
- Install roadway drainage along the northbound side of the roadway
- Mill and Overlay Northbound Roadway



EXISTING SECTION - CROMWELL | RW-033-099-001



PROPOSED SECTION - CROMWELL | RW-033-099-001

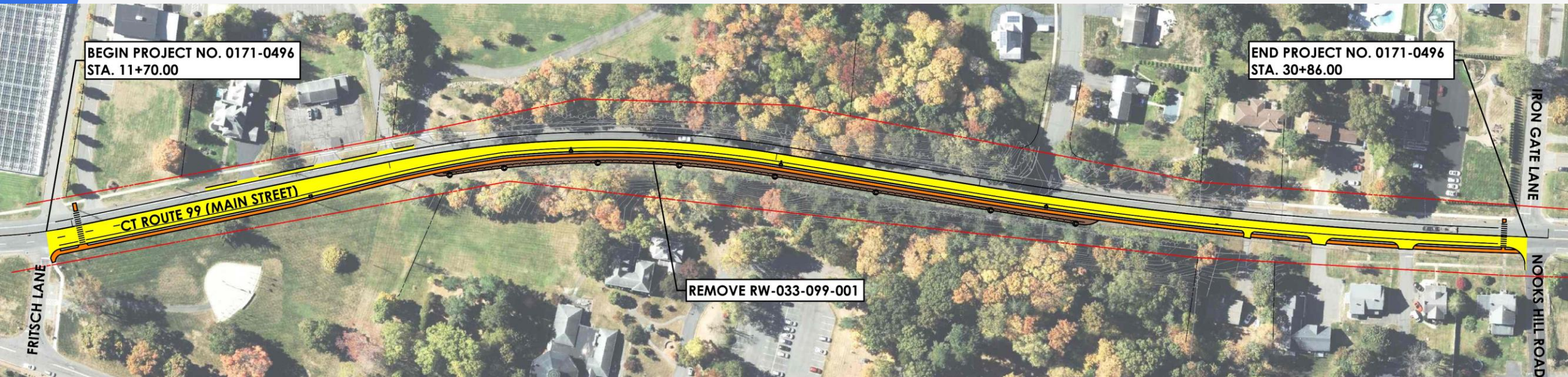


LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED GROUND



PROPOSED PLAN - CROMWELL | RW-033-099-001



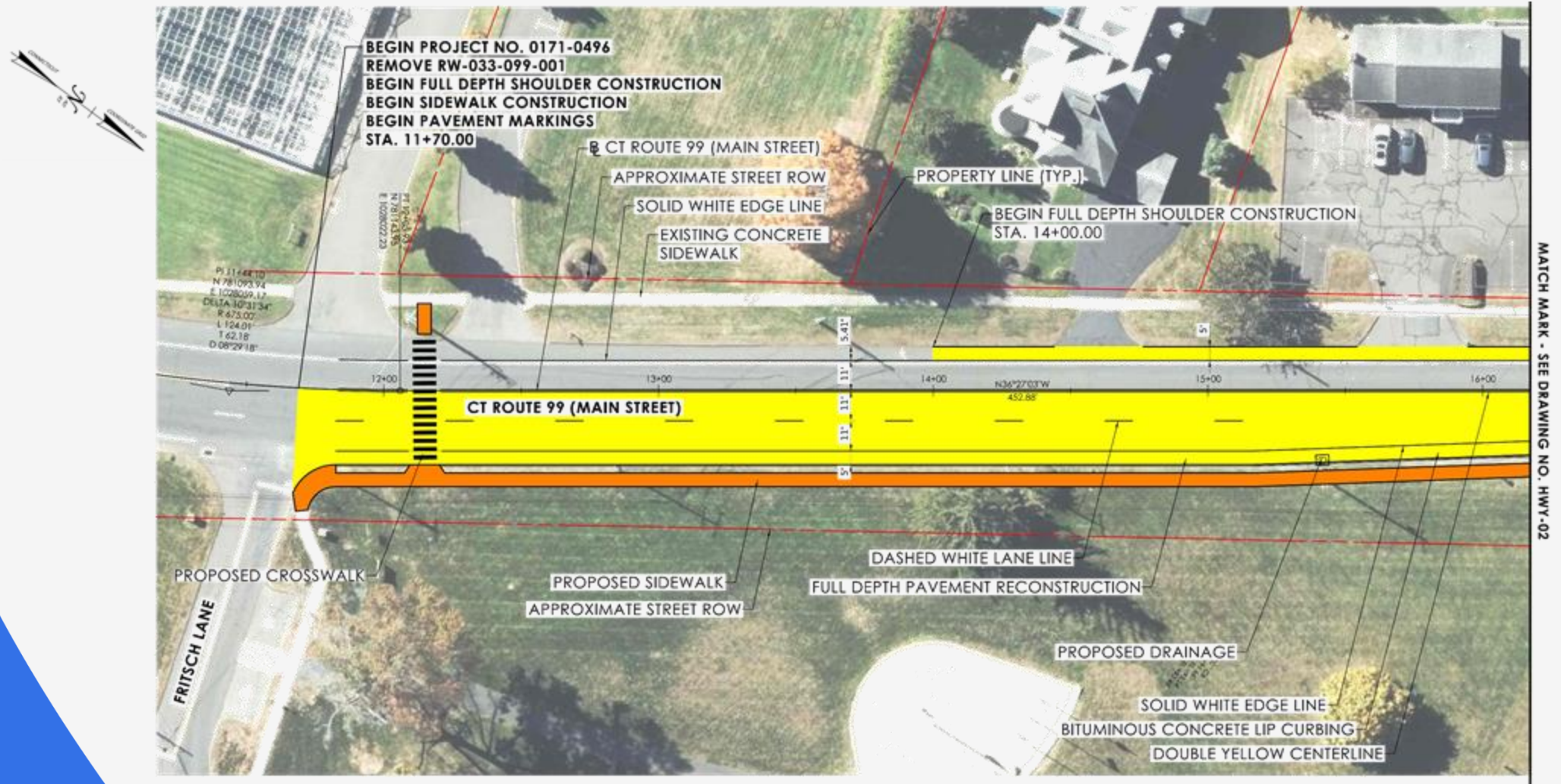
ROADWAY PLAN

LEGEND:

- | | | | |
|---|-------------------|--|---------------------------|
|  | PROPOSED PAVEMENT |  | GRADING IMPACT AREA (CUT) |
|  | PROPOSED SIDEWALK |  | PROPERTY LINE |



PROPOSED PLAN - CROMWELL | RW-033-099-001



LEGEND:

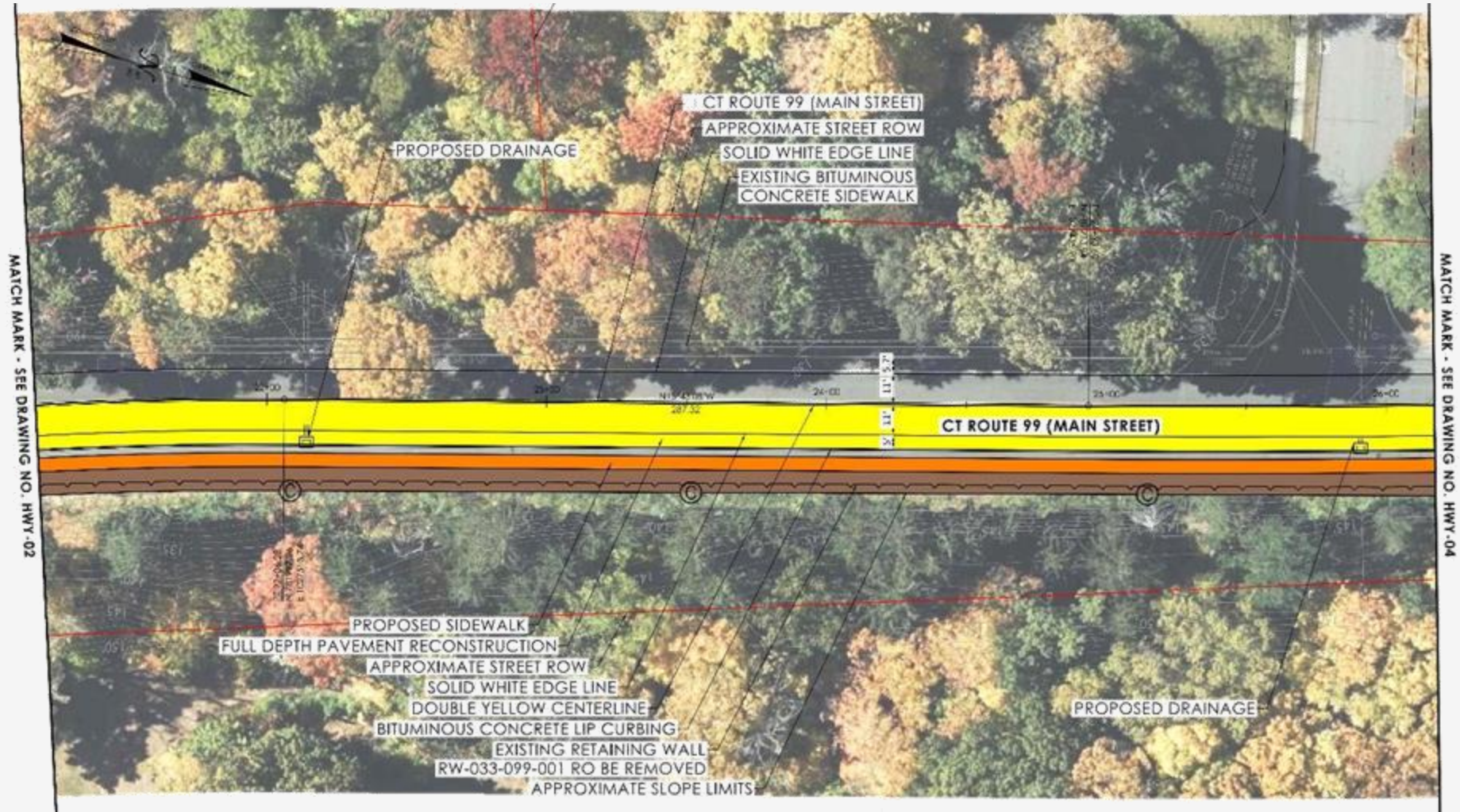
- | | | | |
|---|-------------------|---|---------------------------|
|  | PROPOSED PAVEMENT |  | GRADING IMPACT AREA (CUT) |
|  | PROPOSED SIDEWALK |  | PROPERTY LINE |

Replacement and Removal of Retaining Walls // State Project No. 0171-0496





PROPOSED PLAN - CROMWELL | RW-033-099-001



ROADWAY PLAN

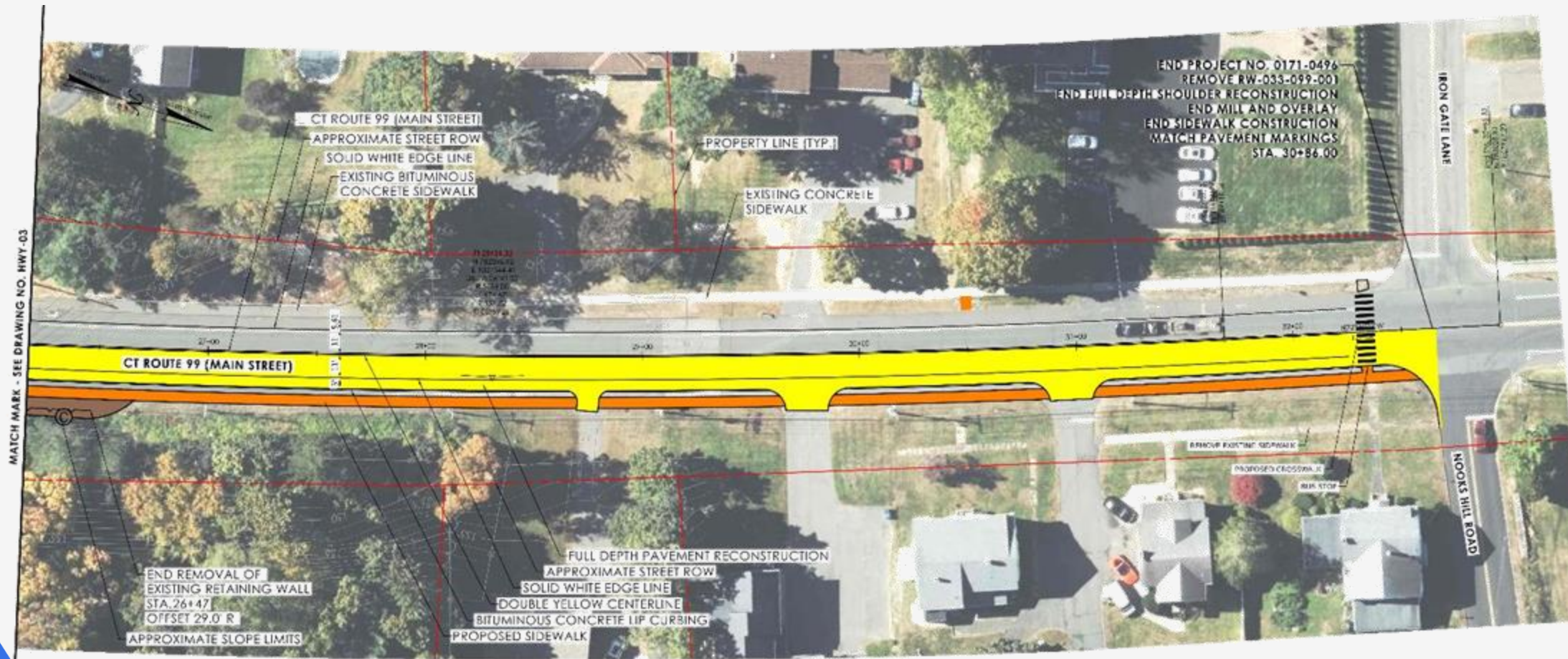
LEGEND:

- | | |
|---|---|
|  PROPOSED PAVEMENT |  GRADING IMPACT AREA (CUT) |
|  PROPOSED SIDEWALK |  PROPERTY LINE |

Replacement and Removal of Retaining Walls // State Project No. 0171-0496



PROPOSED PLAN - CROMWELL | RW-033-099-001



ROADWAY PLAN

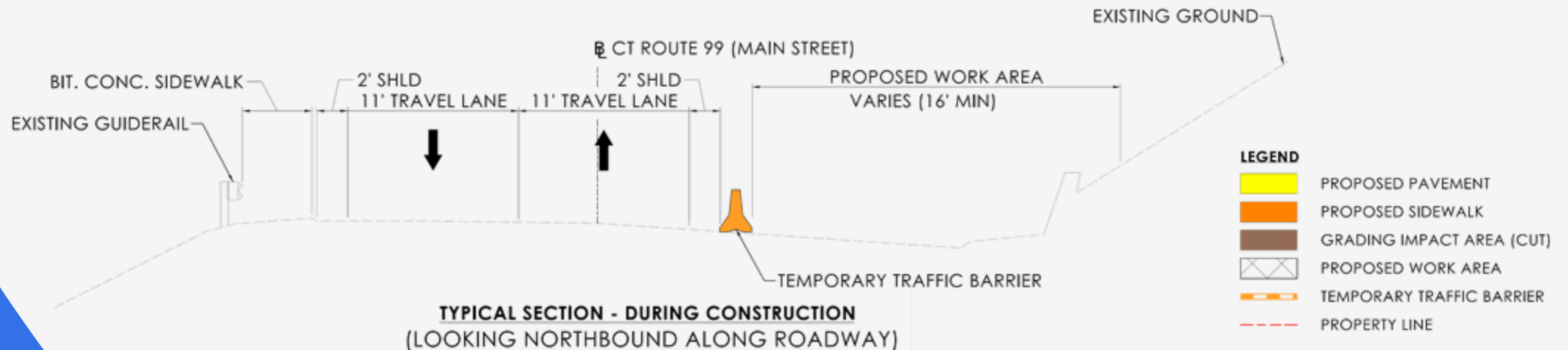
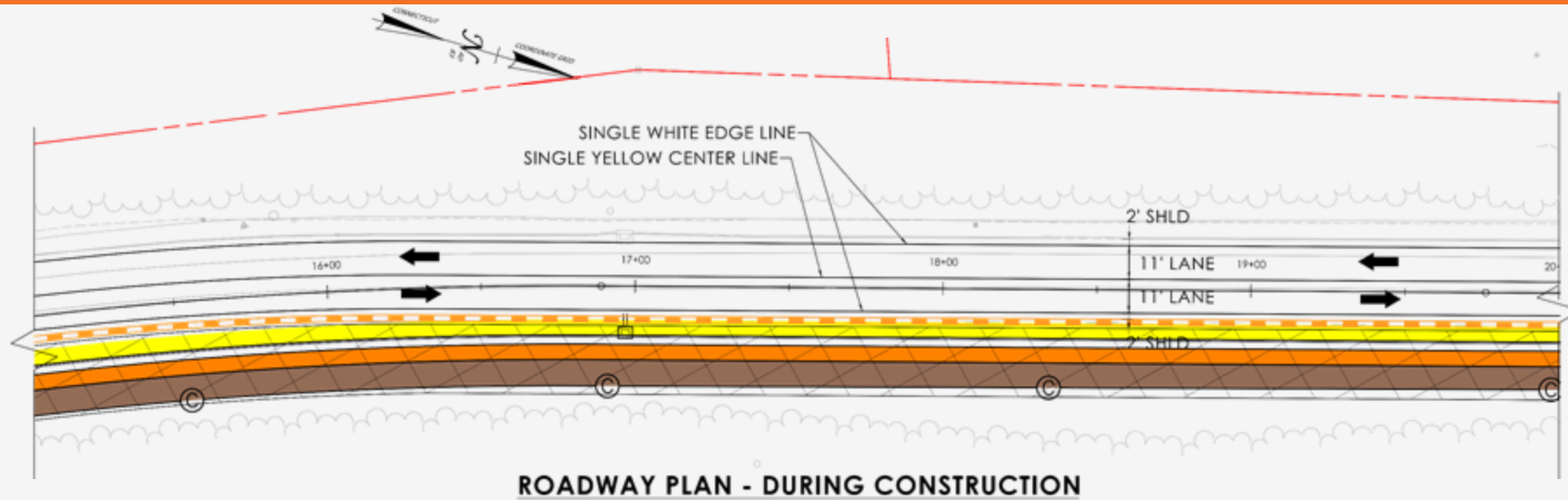
LEGEND:

- | | | | |
|---|-------------------|---|---------------------------|
|  | PROPOSED PAVEMENT |  | GRADING IMPACT AREA (CUT) |
|  | PROPOSED SIDEWALK |  | PROPERTY LINE |

Replacement and Removal of Retaining Walls // State Project No. 0171-0496



PROPOSED TRAFFIC - CROMWELL | RW-033-099-001



PROJECT IMPACTS – CROMWELL | RW-033-099-001

Environmental:

- Tree removal and clearing and grubbing required along slope.

ROW:

- Minor ROW impact at the southern end of the wall.

Utility:

- Several utility poles and a potential fire hydrant to be relocated.

Drainage:

- Catch basins will be installed along the NB shoulder of the roadway.



Question & Answer Session – CROMWELL | RW-033-099-001



By Email: DOTProject0171-0496@ct.gov



By Phone: (860) 594-2020 (voicemail)



On Zoom: Q&A

Questions will be posted to the Zoom chat

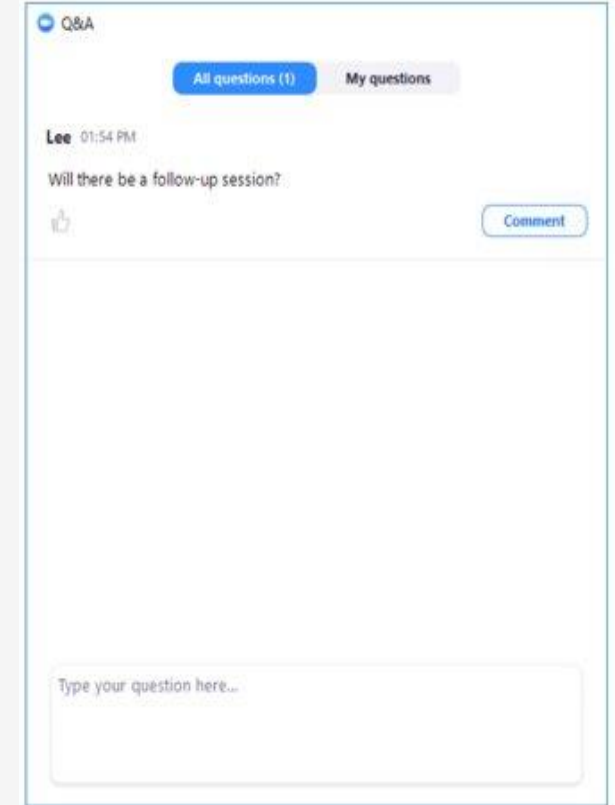


Project Webpage:

<https://portal.ct.gov/DOTProject0171-0496>

Note: Comment period is open through June 24, 2026

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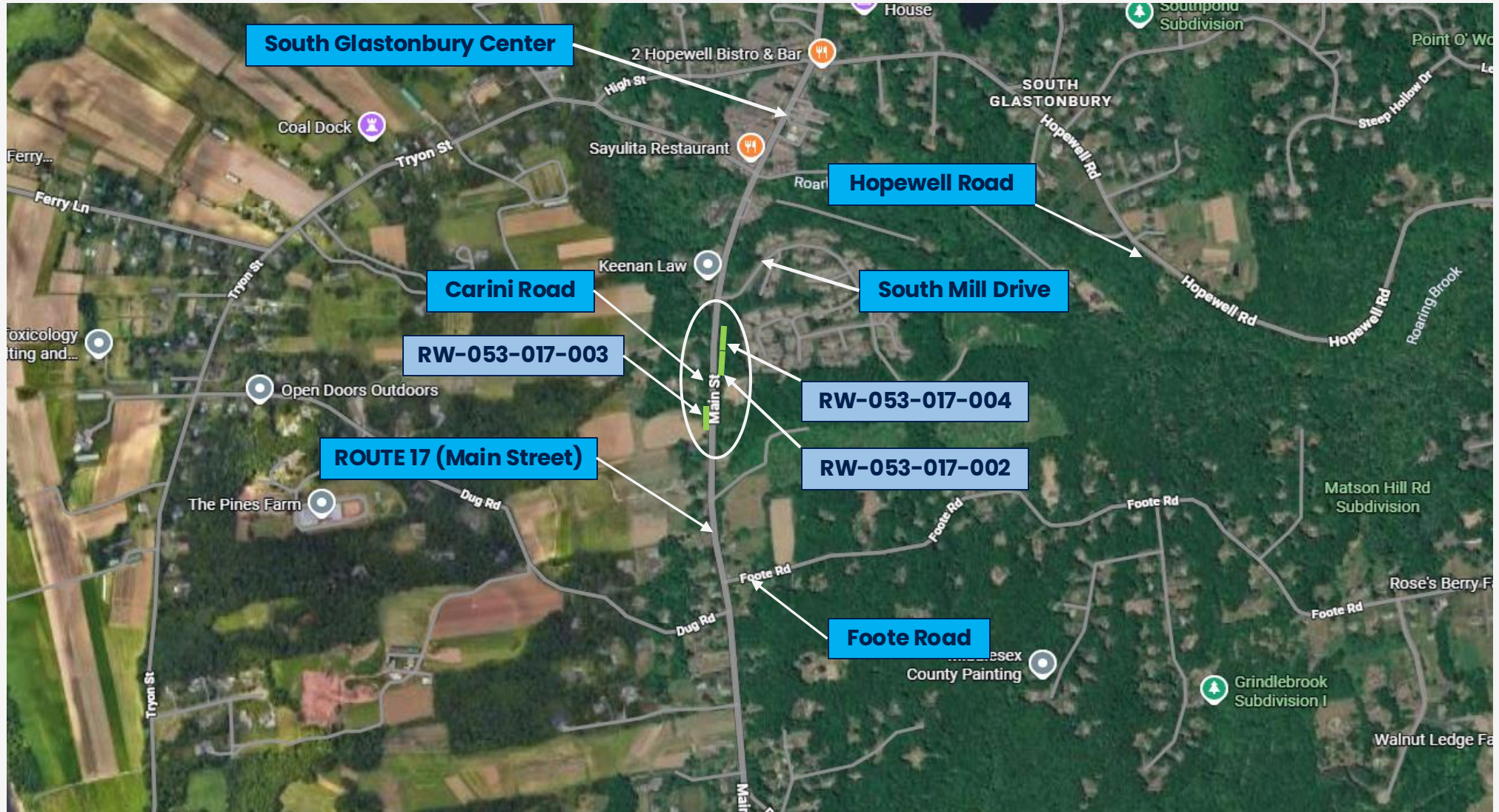


Moderator will answer questions posted in the Zoom Q&A function



PROJECT LOCATION - GLASTONBURY | RW-053-017-002, 003, 004

Glastonbury



EXISTING CONDITIONS – GLASTONBURY | ROADWAY

ROADWAY- ROUTE 17 (Main St.)

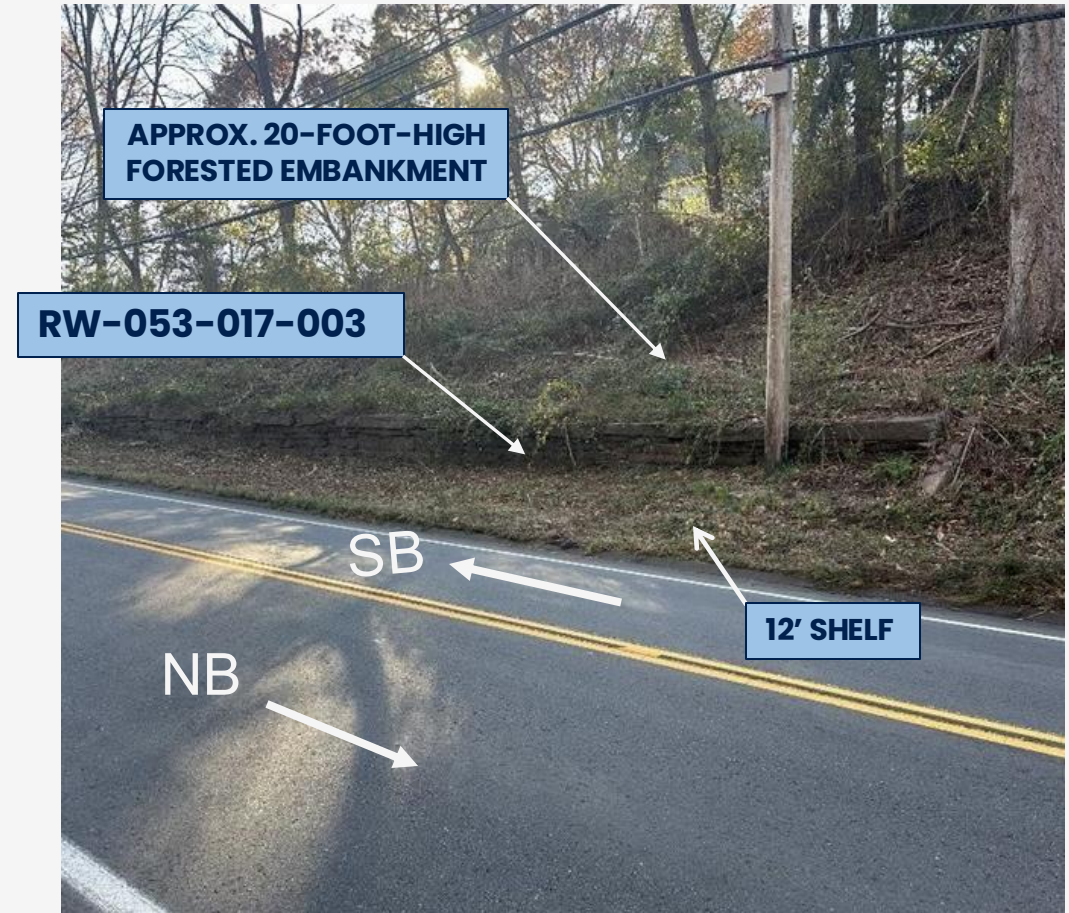
- Constructed in 1928
- Classification: Urban Principal Arterial
- ADT: 11,200 vpd (2024)
- Posted Speed: 40 mph



EXISTING CONDITIONS – GLASTONBURY | RW-053-017-003

RW-053-017-003

- Stone Masonry wall
 - Approximately 150 feet long
 - Average height of 3.5 feet
- Year Built – Unknown
- Supports a 20' high sloped embankment
- Wall is set back approximately 12 feet from roadway



EXISTING CONDITIONS – GLASTONBURY | RW-053-017-003

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 0 | Backfill/Settlement = 1 | Structural = 1
Total Rating = 2

Condition Notes:

- Leaning towards the roadway up to 8 inches
- Random locations of voids between masonry stones up to 18 inches deep
- Various collapsed sections of masonry wall
- Significant vegetation around the wall



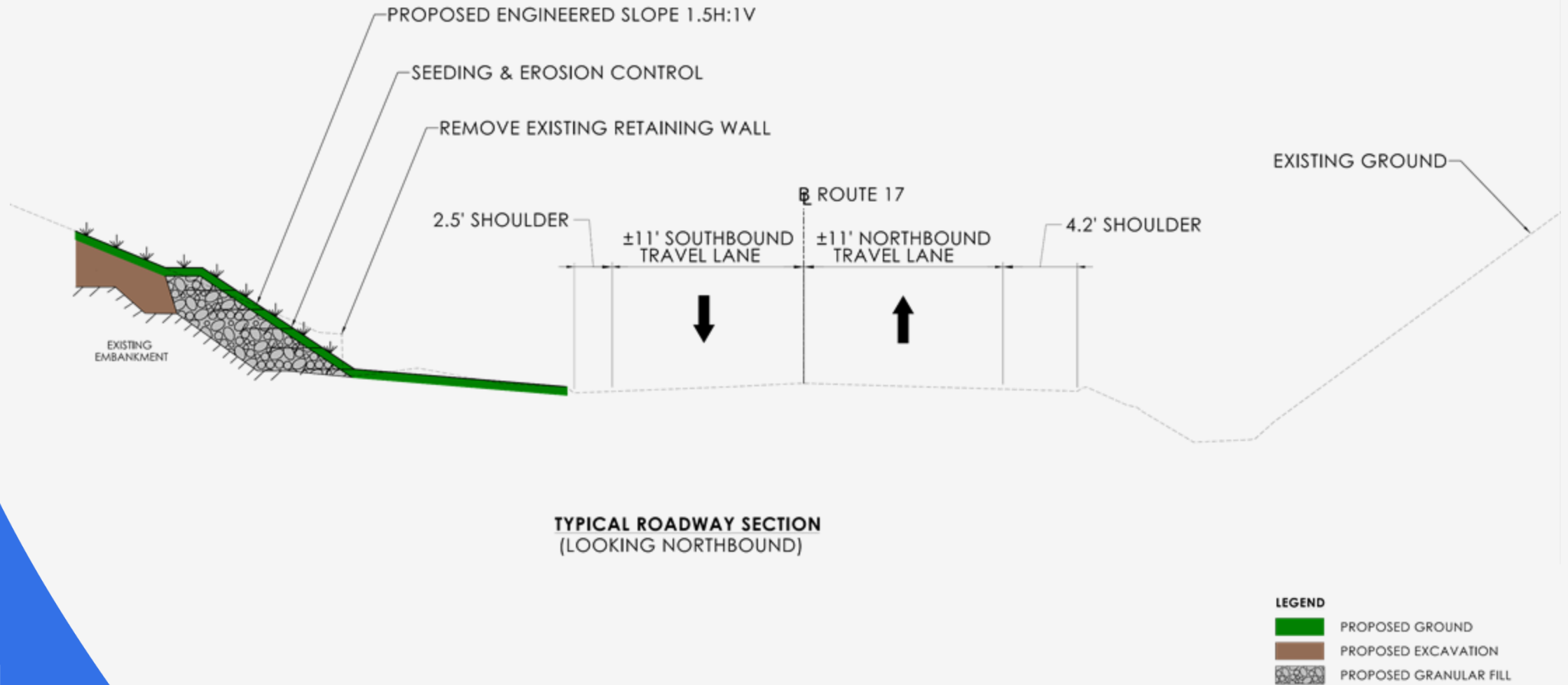
PROPOSED SCOPE – GLASTONBURY | RW-053-017-003

Remove Wall and Grade Slope

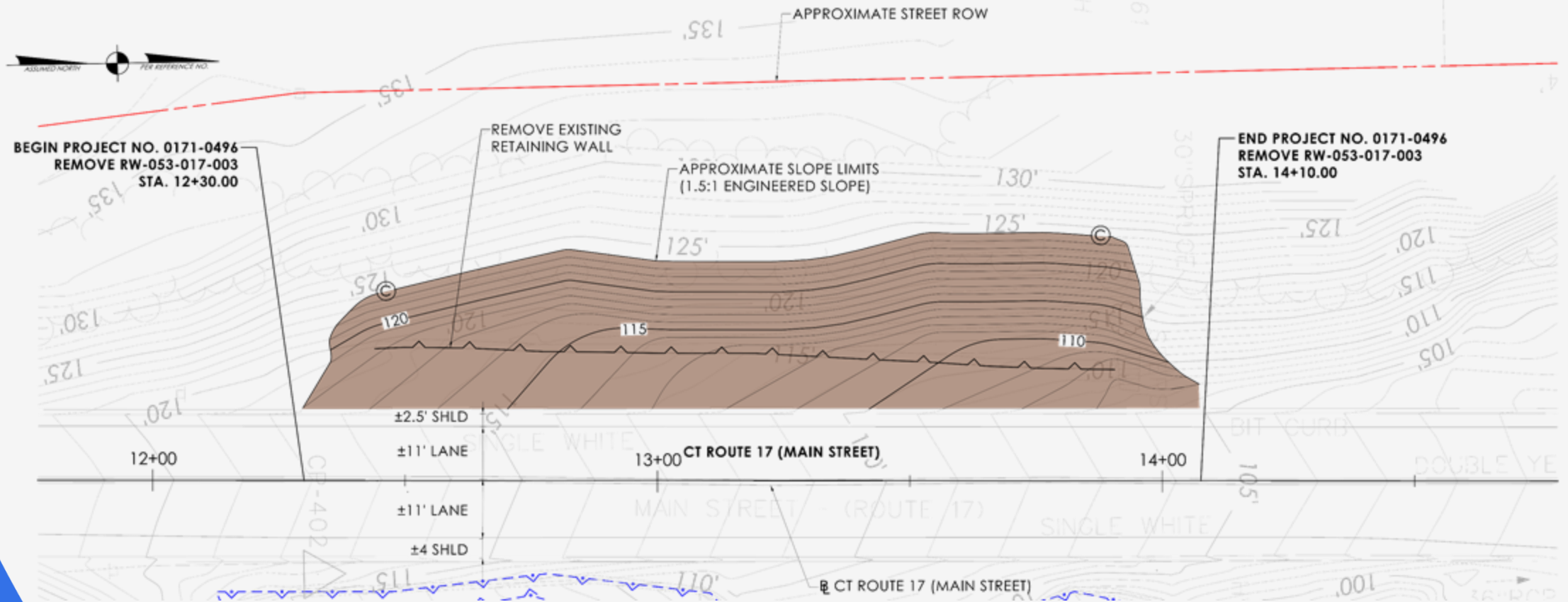
- Remove existing Stone Masonry Wall
- Grade Slope beyond the existing roadway curb
- Install reinforced soil embankment at maximum slope of 1.5H:1V.
- Install topsoil and turf establishment



PROPOSED SECTION - GLASTONBURY | RW-053-017-003



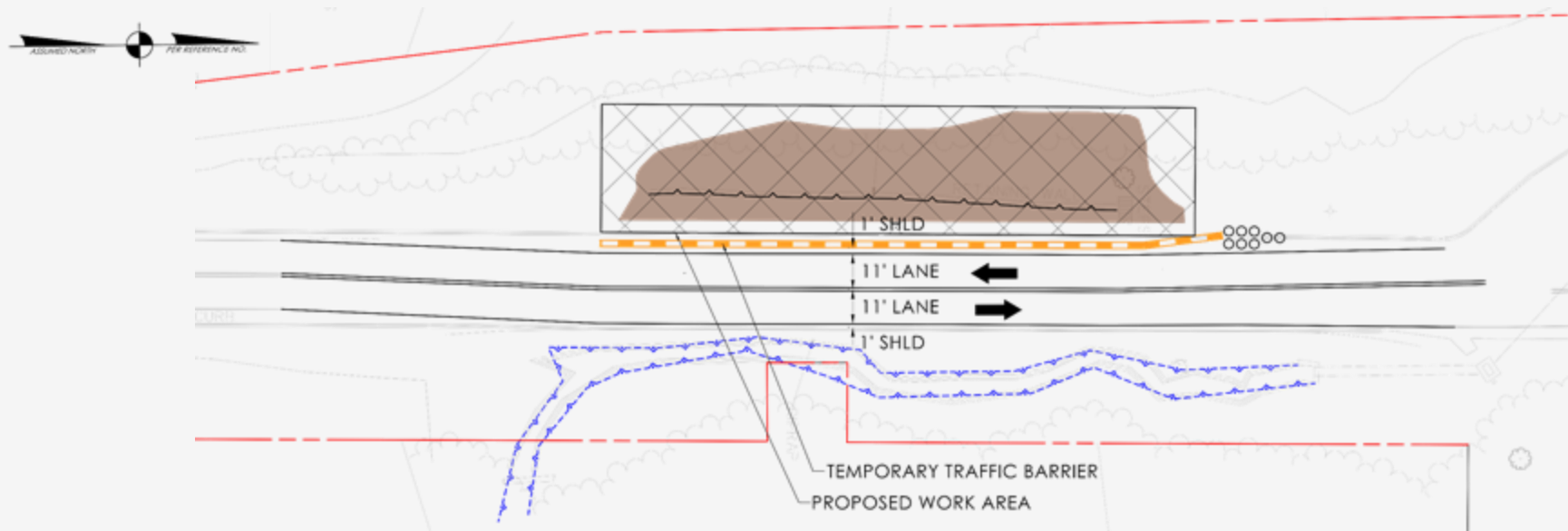
PROPOSED PLAN - GLASTONBURY | RW-053-017-003



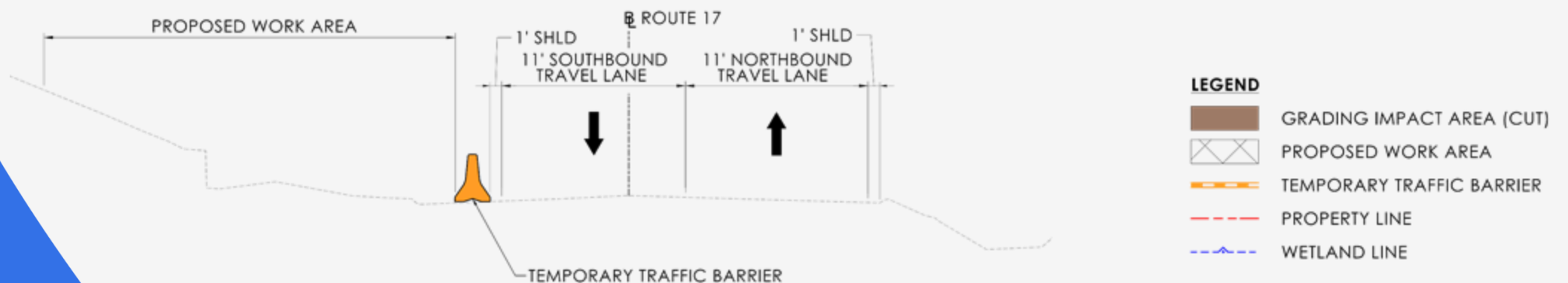
ROADWAY PLAN



PROPOSED TRAFFIC - GLASTONBURY | RW-053-017-003



ROADWAY PLAN - DURING CONSTRUCTION



TYPICAL SECTION - DURING CONSTRUCTION
(LOOKING NORTHBOUND)

LEGEND

- GRADING IMPACT AREA (CUT)
- PROPOSED WORK AREA
- TEMPORARY TRAFFIC BARRIER
- PROPERTY LINE
- WETLAND LINE

PROJECT IMPACTS – GLASTONBURY | RW-053-017-003

Environmental:

- Tree removal and clearing and grubbing anticipated along slope.

ROW:

- No ROW impacts anticipated.

Utility:

- Temporary relocation of utility poles at the south and north end of the wall.

Drainage:

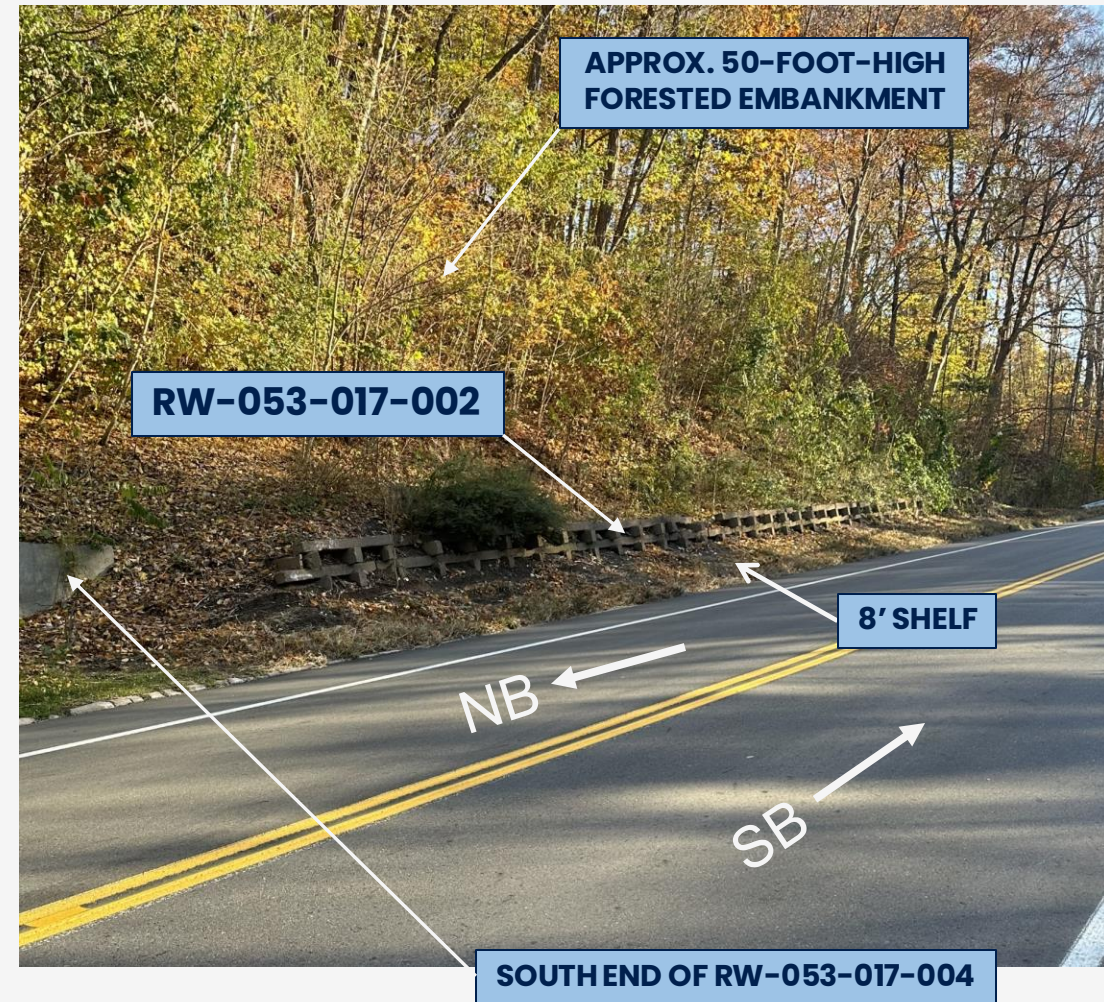
- No drainage impacts anticipated.



EXISTING CONDITIONS – GLASTONBURY | RW-053-017-002

RW-053-017-002

- Concrete Crib Wall
 - Approximately 135 feet long
 - Average height of 2 feet
- Year Built – Unknown
- Supports a 50' high forested sloped embankment
- Wall is set back approximately 8 feet from edge of northbound roadway
- Wall is located just south of RW-053-017-004



EXISTING CONDITIONS – GLASTONBURY | RW-053-017-002

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 1 | Backfill/Settlement = 0 | Structural = 1
Total Rating = 2

Condition Notes:

- A 22-foot section of the wall is collapsed
- Minor loss of backfill at sections of collapsed/missing concrete cribs
- Random areas of deteriorated cribs with exposed rebar



EXISTING CONDITIONS – GLASTONBURY | RW-053-017-004

RW-053-017-004

- Concrete Block Wall with Skim Coat Facing
 - Approximately 200 feet long
 - Average height of 8 feet
- Year Built – Unknown
- Supports a 50' high forested sloped embankment
- Wall is set back approximately 10 feet from edge of northbound roadway
- Wall is located just north of RW-053-017-002



EXISTING CONDITIONS – GLASTONBURY | RW-053-017-004

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 2 | Backfill/Settlement = 2 | Structural = 1
Total Rating = 5

Condition Notes:

- Wall appears to be stable with minor amount of erosion at the north end of the wall
- There are localized areas of concrete spalling
- Approximately 50% of the skim coat facing is deteriorated
- Weepholes are plugged



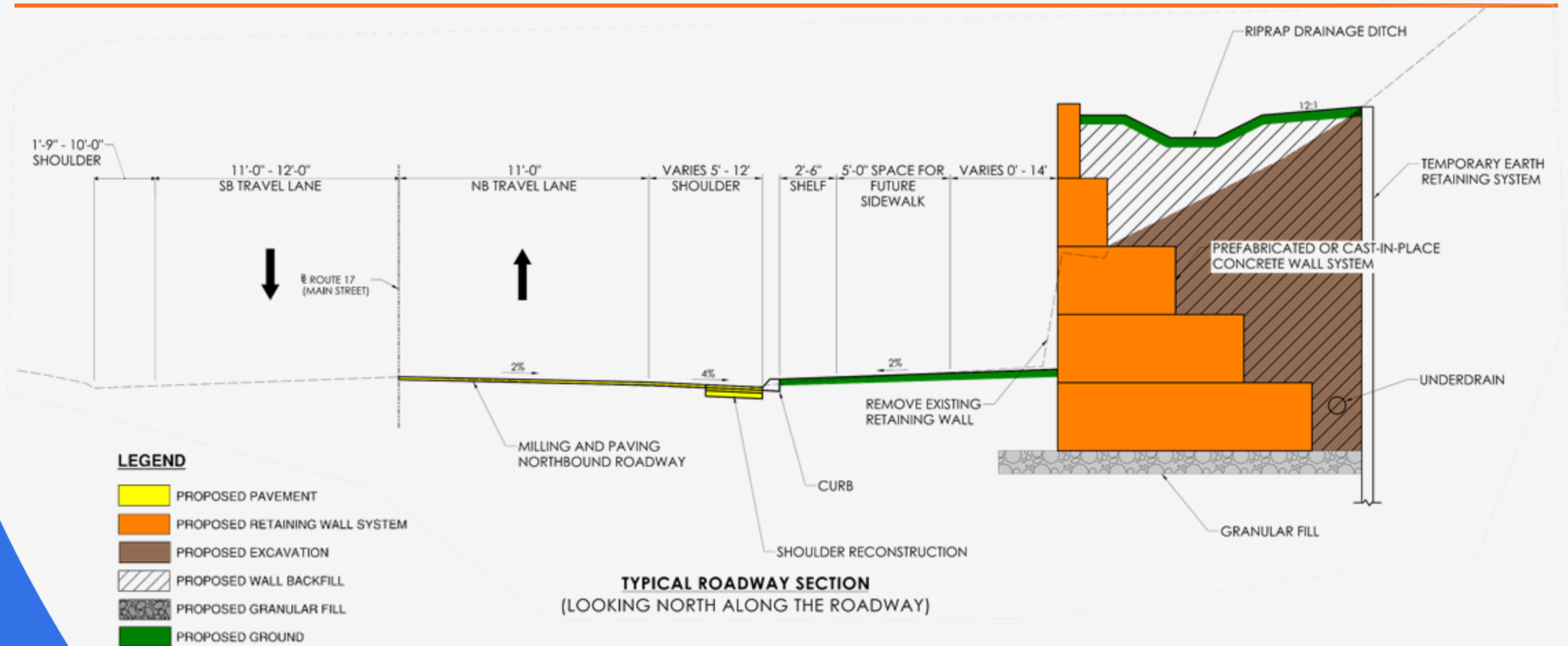
PROPOSED SCOPE – GLASTONBURY | RW-053-017-002 & 004

Replace Walls with Concrete Cantilever Wall or Prefabricated Wall System

- Remove existing Concrete Crib Wall and Concrete Block Wall
- Install proposed Wall System
- Reconstruct 200-foot section of northbound shoulder at 5-feet (min.)
- Mill and Pave the northbound roadway
- Install topsoil and turf establishment

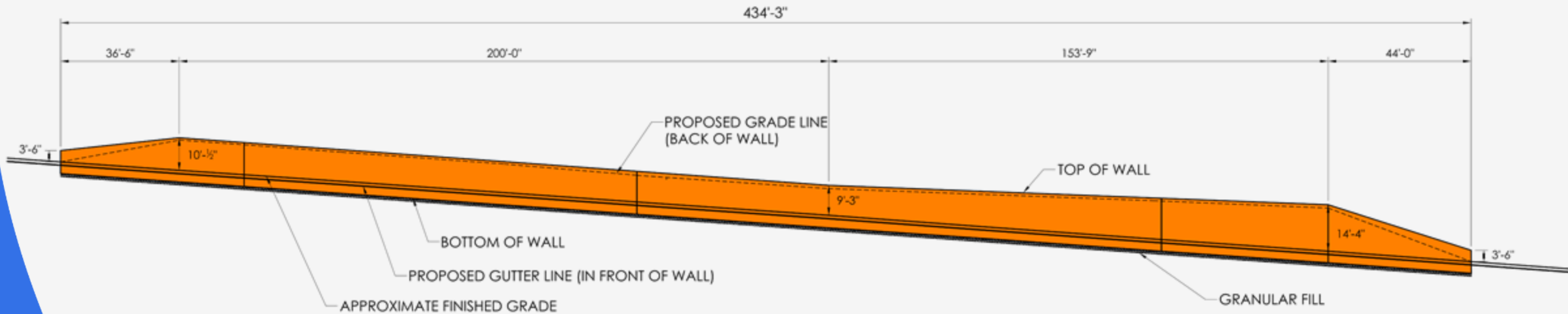


PROPOSED SECTION – GLASTONBURY | RW-053-017-002 & 004



- Proposed wall length: approximately 435 feet
- Average proposed wall height: approximately 11 feet

PROPOSED ELEVATION – GLASTONBURY | RW-053-017-002 & 004



ELEVATION VIEW
LOOKING AT FACE OF WALL

LEGEND

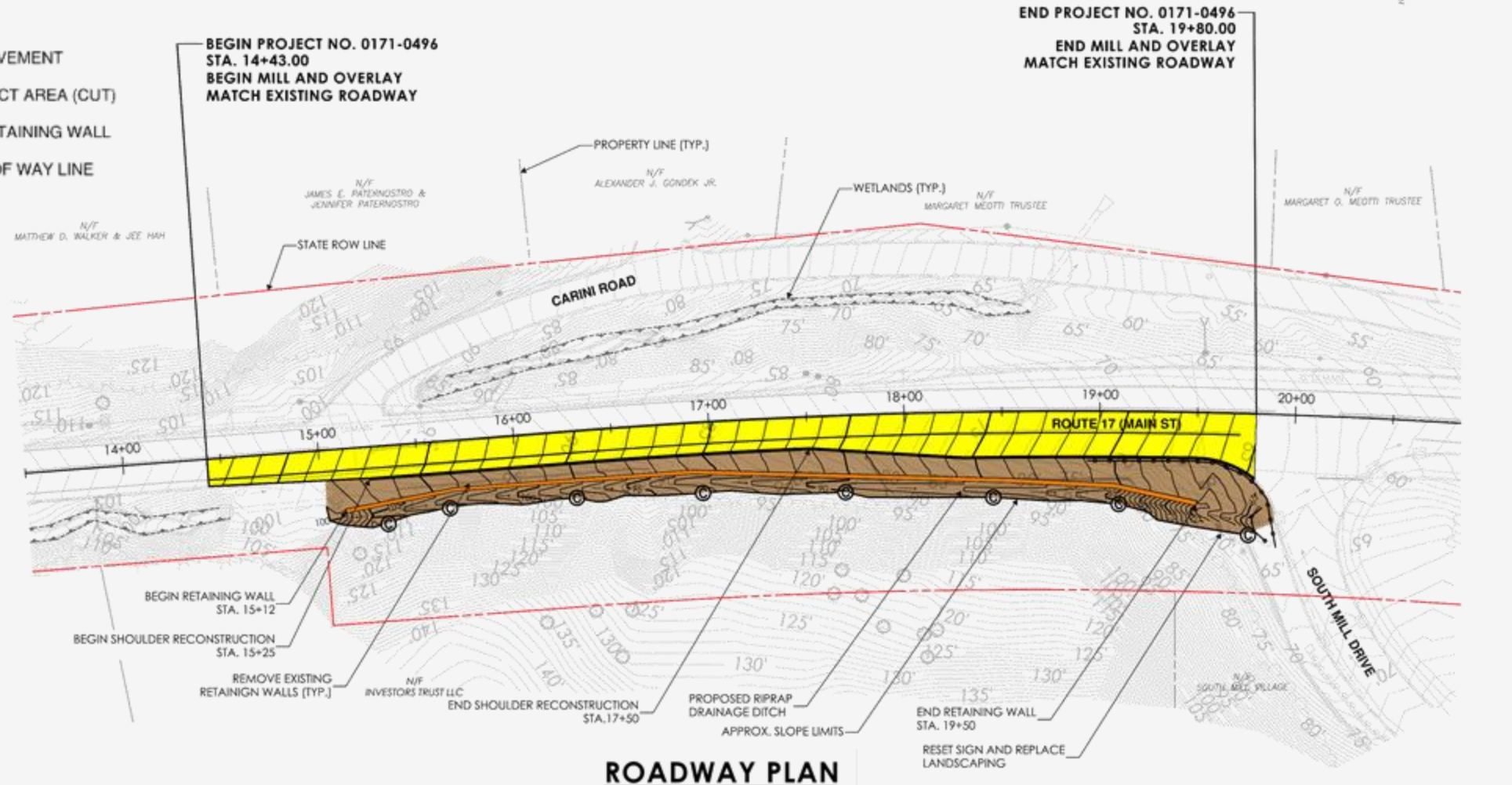
- PROPOSED PAVEMENT
- PROPOSED RETAINING WALL SYSTEM
- PROPOSED EXCAVATION
- PROPOSED WALL BACKFILL
- PROPOSED GRANULAR FILL
- PROPOSED GROUND



PROPOSED PLAN - GLASTONBURY | RW-053-017-002 & 004

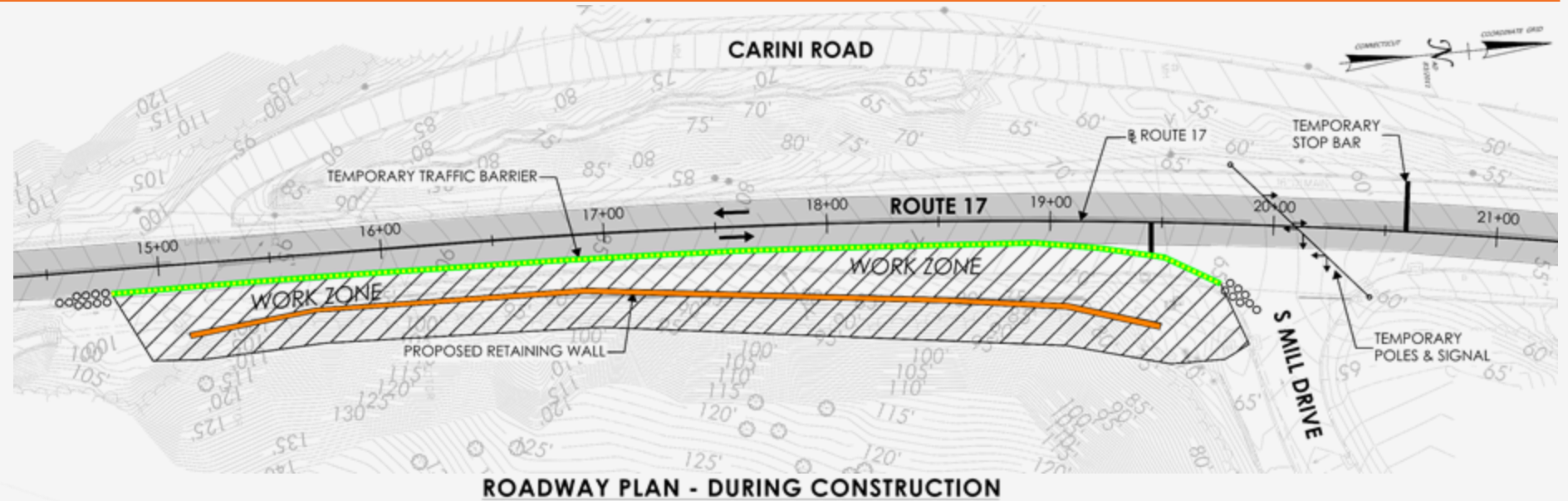
LEGEND

- PROPOSED PAVEMENT
- GRADING IMPACT AREA (CUT)
- PROPOSED RETAINING WALL
- STATE RIGHT OF WAY LINE



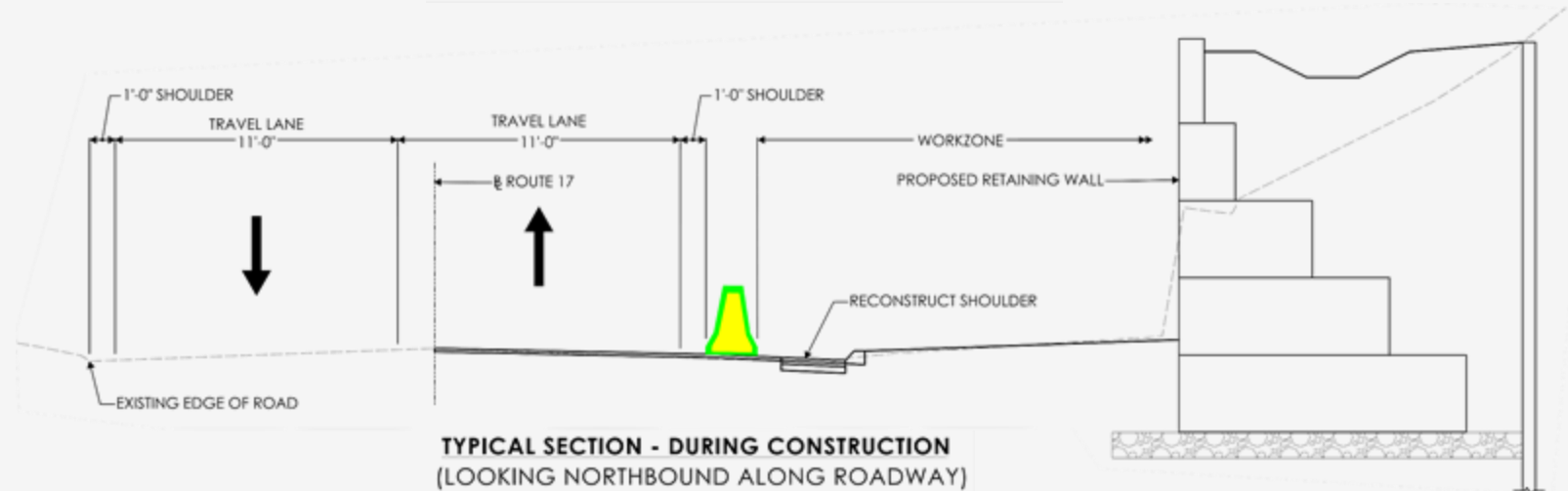
PROPOSED TRAFFIC - GLASTONBURY | RW-053-017-002 & 004

- Shift Traffic to the West
- Install Temporary Traffic Signal



LEGEND

- TRAVEL LANES
- PROPOSED RETAINING WALL
- TEMPORARY TRAFFIC BARRIER
- PROPERTY LINES
- WORK AREA



PROJECT IMPACTS – GLASTONBURY | RW-053-017-002 & 004

Environmental:

- Tree removal and clearing and grubbing required along slopes
- May have minor wetland impacts, depending on final drainage design

ROW:

- No ROW impacts anticipated

Utility:

- No Utility impacts anticipated

Drainage:

- Installation of Catch Basins along northbound side of the roadway
- Construction of proposed riprap drainage ditch along walls



Question & Answer Session – GLASTONBURY | RW-053-017-002, 003 & 004



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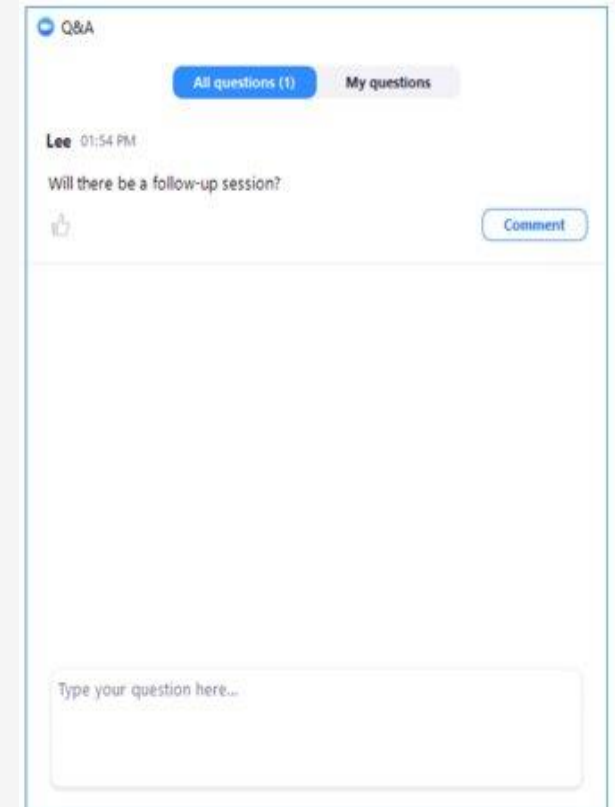


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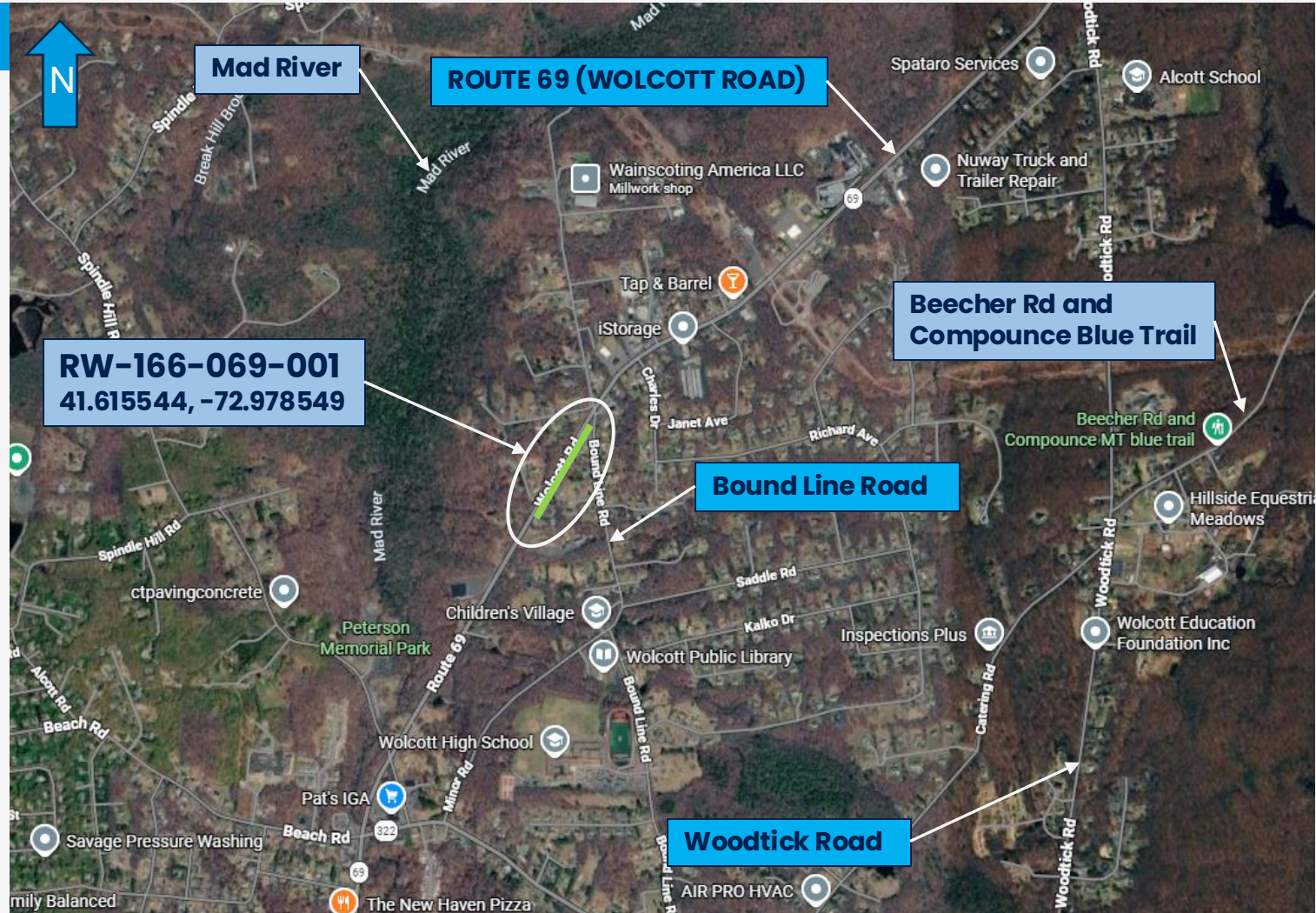


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PROJECT LOCATION - WOLCOTT | RW-166-069-001

WOLCOTT



EXISTING CONDITIONS – WOLCOTT | RW-166-069-001

RW 166-069-001

- Metal Bin Wall
 - Approximately 725 feet long
 - Average height of 9 feet
- Year Built – 1970
- Supports a vegetated slope
- Wall is set back approximately 14-feet from roadway

ROADWAY- ROUTE 69 (Wolcott Road)

- Classification: Principal Urban Arterial
- ADT: 9,900 vpd (2023)
- Design/Posted Speed: 45 mph



EXISTING CONDITIONS – WOLCOTT | RW-166-069-001

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 2 | Backfill/Settlement = 2 | Structural = 1
Total Rating = 5

Condition Notes:

- There are random areas of damage and moderate rust throughout the structure
 - At the south end, there is a dent measuring 3 feet long, 1 foot high, and 2 inches deep
- Dent measuring 5 feet long, 18 inches high, and 4 inches deep, accompanied by adjacent tears and rust
- At midspan, there are two dents, each up to 18 inches long, 8 inches high, and 1.5 inches deep



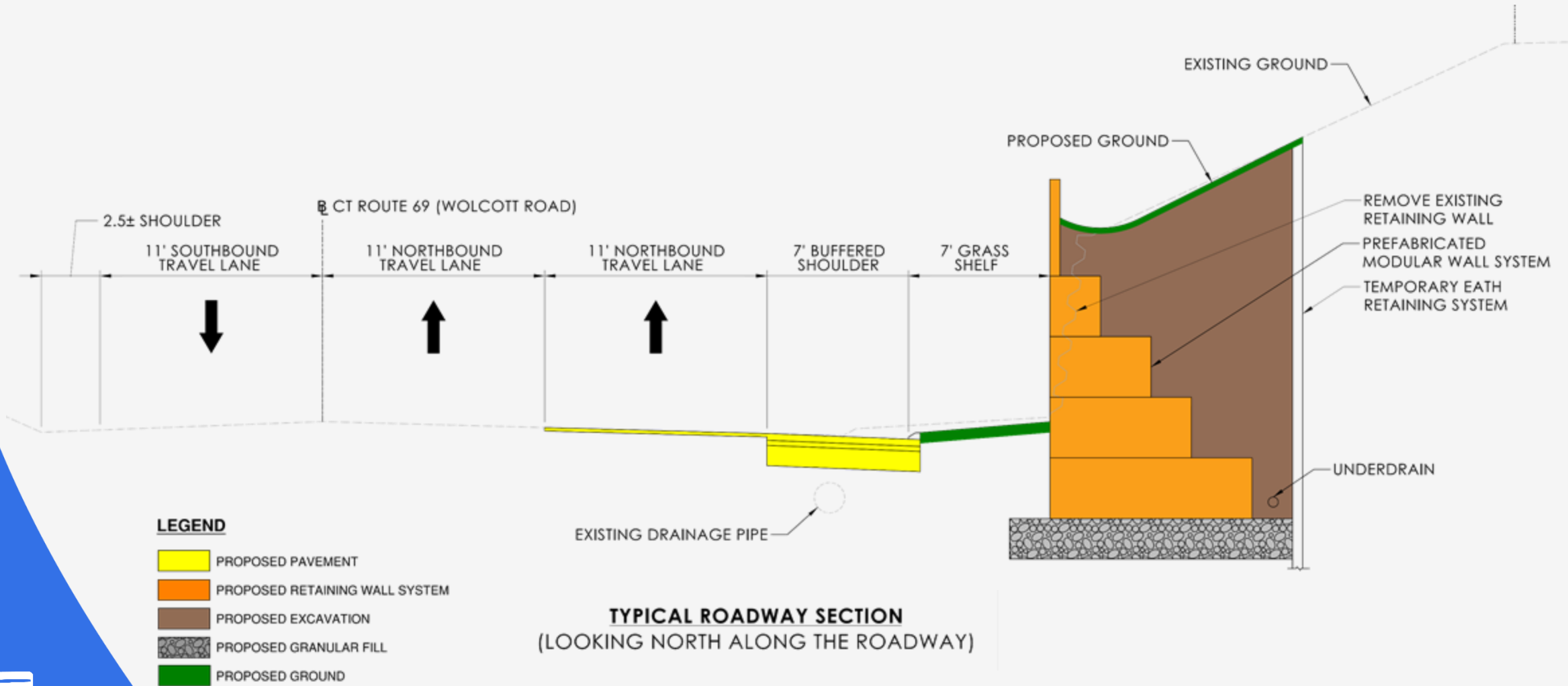
PROPOSED SCOPE – WOLCOTT | RW-166-069-001

Replace Wall with Prefabricated Modular Wall

- Install a temporary earth retaining system (TERS)
- Remove existing metal bin wall and excavate for the proposed wall
- Install prefabricated modular wall panels to retain the embankment
- Install underdrain and backfill behind the wall
- Install a swale at the toe of slope above the wall
- Install roadway drainage along the northbound side of the roadway
- Complete full-depth pavement reconstruction of the shoulder and expansion to 7 feet



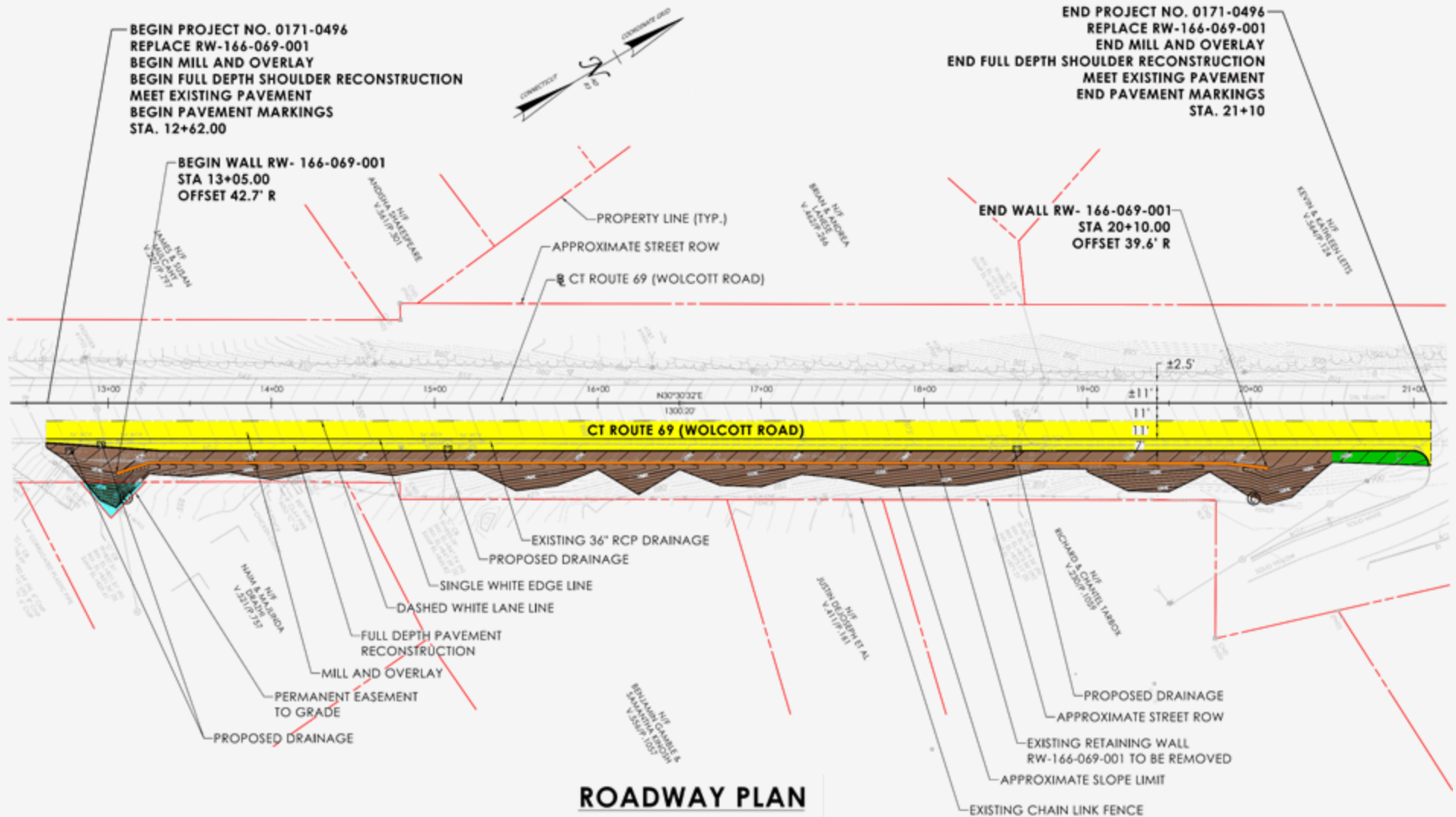
PROPOSED SECTION - WOLCOTT | RW-166-069-001



PROPOSED PLAN - WOLCOTT | RW-166-069-001

LEGEND

- PROPOSED PAVEMENT
- GRADING IMPACT AREA (FILL)
- GRADING IMPACT AREA (CUT)
- EASEMENT TO GRADE
- PROPOSED RETAINING WALL
- PROPERTY LINES

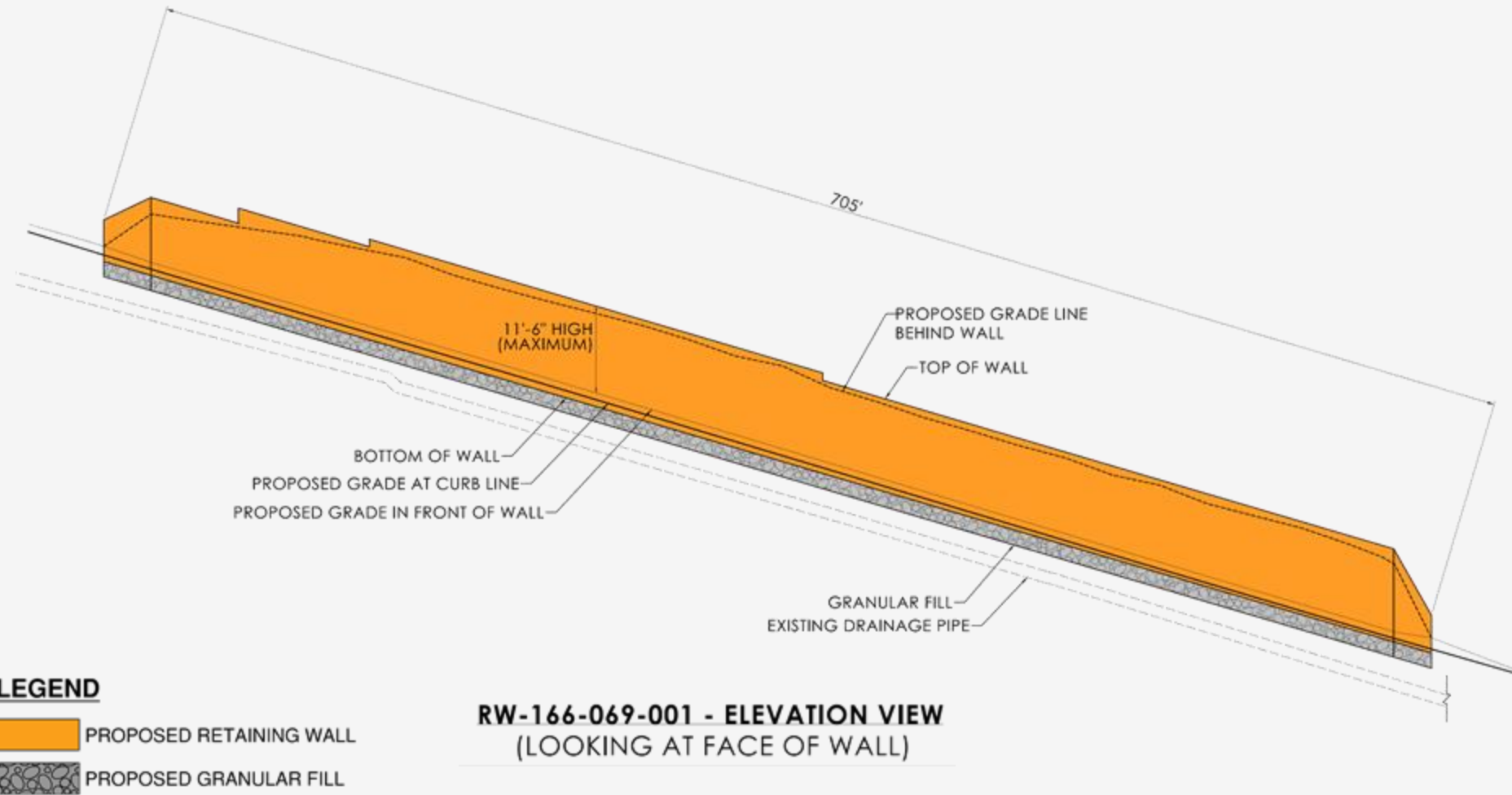


ROADWAY PLAN

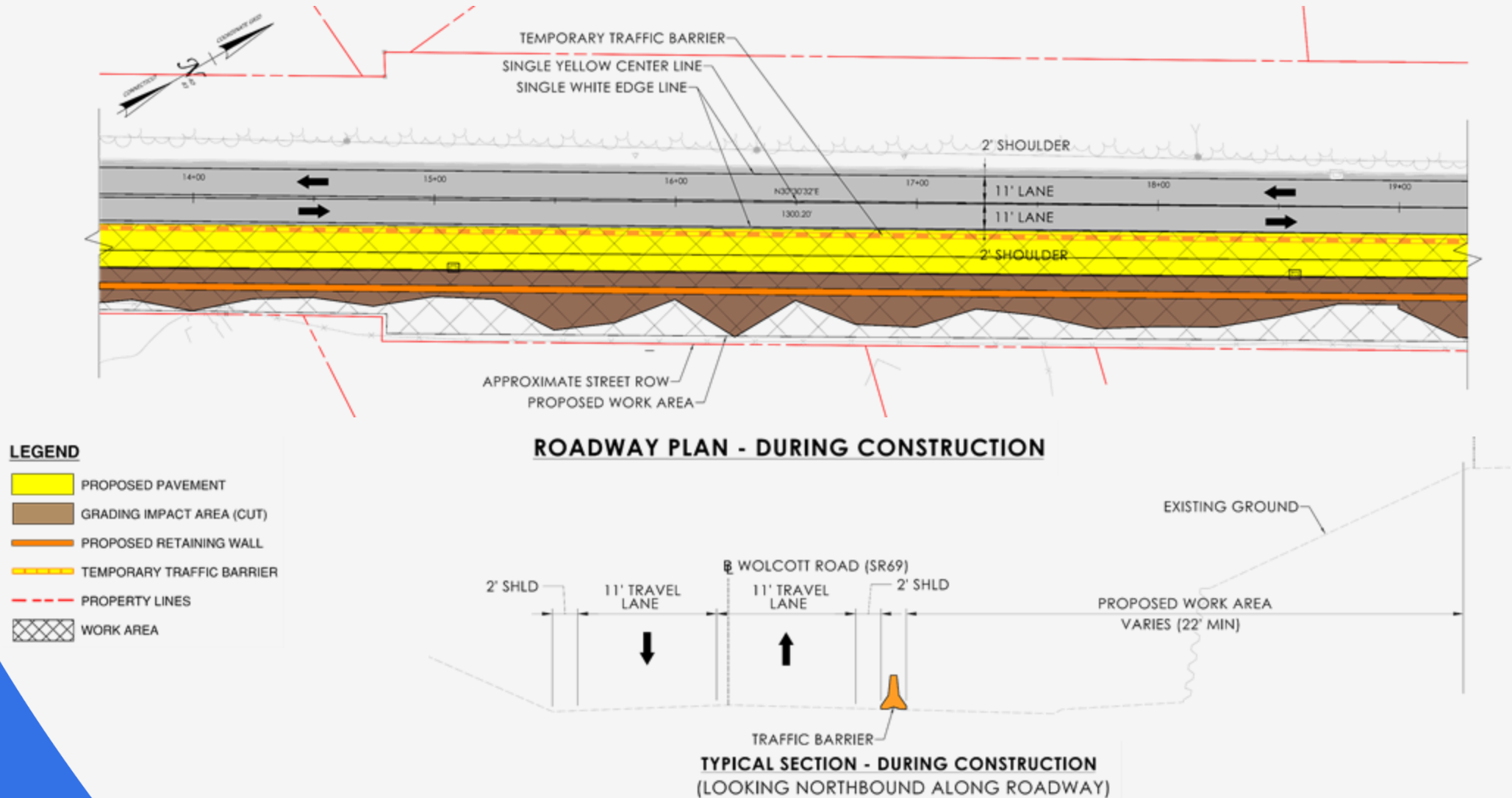
Replacement and Removal of Retaining Walls // State Project No. 0171-0496



PROPOSED ELEVATION - WOLCOTT | RW-166-069-001



PROPOSED TRAFFIC - WOLCOTT | RW-166-069-001



PROJECT IMPACTS – WOLCOTT | RW-166-069-001

Environmental:

- Tree removal and clearing and grubbing required along slope

ROW:

- Impact to a residential driveway at the southern end of the wall
 - Easement to grade will be required

Utility:

- 36" PC RCP drainage line that runs under the northbound lane of Route 69
 - Caution will be exercised to avoid disturbing drainage line
- Buried service cables noted on utility provided mapping
 - Further coordination with Frontier will be required

Drainage:

- Catch basins will be installed along the northbound shoulder
- Underdrain will be installed behind the wall
- A drainage swale will be constructed at the top of the wall to direct surface water to proposed drainage system



Question & Answer Session – WOLCOTT | RW-166-069-001 & ALL



By Email: DOTProject0171-0496@ct.gov



By Phone: (860) 594-2020 (voicemail)



On Zoom: Q&A

Questions will be posted to the Zoom chat

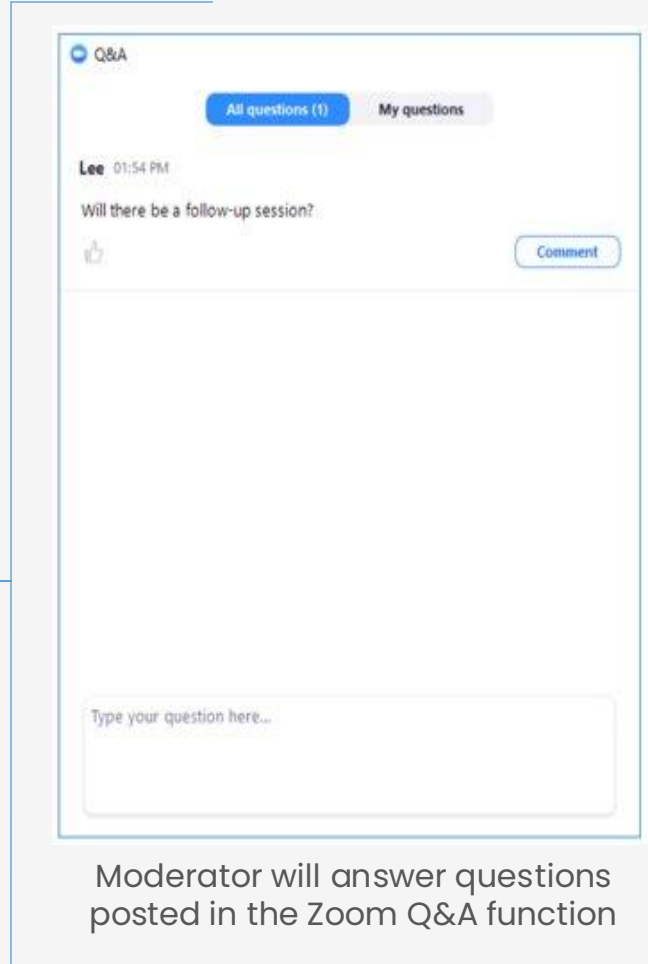


Project Webpage:

<https://portal.ct.gov/DOTProject0171-0496>

Note: Comment period is open through June 24, 2026

*Zoom Q&A is only available during live Q&A session





THANK YOU!
