

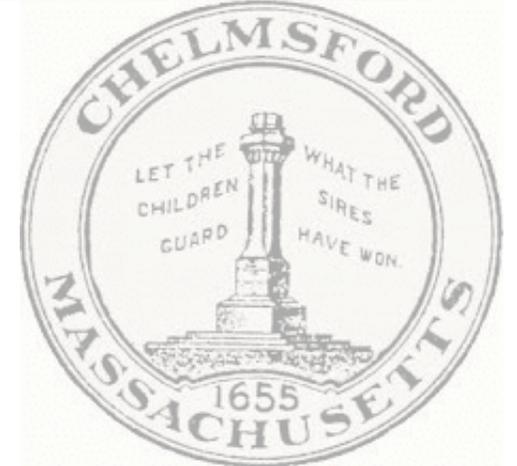
DPW PAVING
AND SIDEWALK
MASTER PLAN
UPDATE



Christine Clancy, P.E.
DPW Director

PAVEMENT MANAGEMENT SYSTEM OVERVIEW

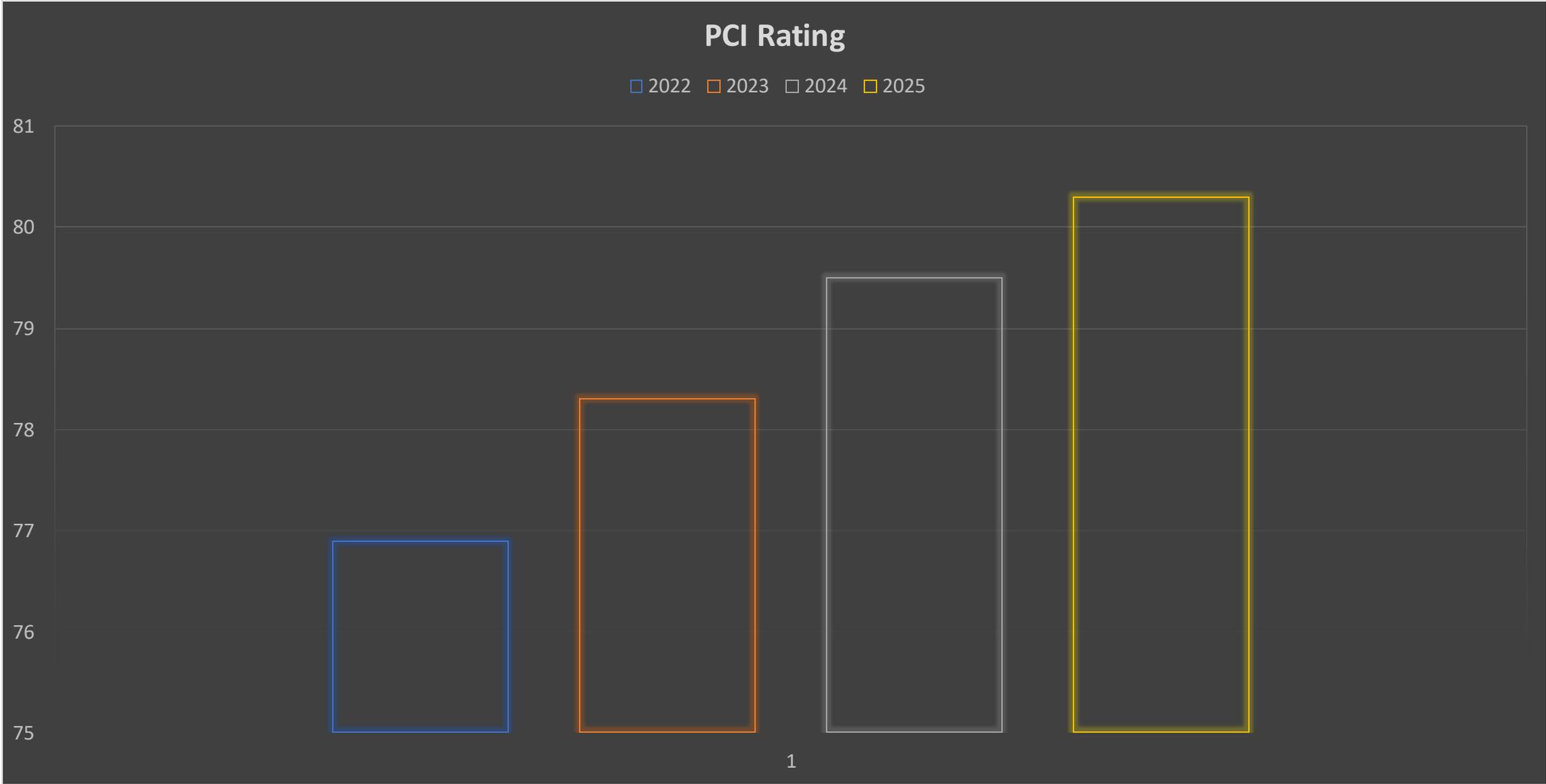
- 190 miles of Town accepted roads (30 miles unaccepted, private)
- DPW maintains a Pavement Management Database to plan for annual preventative maintenance opportunities as well as rehabilitation opportunities.
- Roadway classifications are considered in management plan
 - Arterial (most used), collectors, local roads (least used)
- Other factors considered when planning annual list such as proximity to other work; utility improvement coordination; development work.



PAVEMENT MANAGEMENT SYSTEM OVERVIEW

Treatment Band	PCI	Description
Do Nothing	93-100	Excellent condition
Routine Maintenance	86-92	Good Condition - may need crack sealing or minor localized repair
Preventative Maintenance	73-85	Fair condition - pavement surface may be in need of surface treatment, full depth patch and/or crack sealing
Structural Improvement	61-72	Deficient condition - pavement surface structure in need of added strength for existing traffic. Typical repairs are overlay with or without milling or leveling
Base Rehabilitation	0-60	Poor Condition - in need of base improvement. Typical repairs are reclamation or full depth reconstruction

PAVEMENT MANAGEMENT SYSTEM OVERVIEW



SUMMARY OF 2025 COMPLETED PAVING

TOWNWIDE ROADWAY PAVING PROGRAM

VARIOUS FUNDS (CAPITAL, CH. 90, previous free cash) - \$3.1 MILLION



Photo (Left): Livery Road June 2025 image from Google Maps; (Right): Photo September 2025 of rehabilitated Livery Road (Pavement Reclamation)

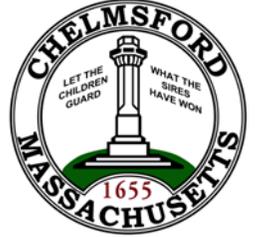


Photo (Left): Research Place September 2025 construction progress photos. Roadway reclamation underway; (Right) October 2025 completion.

CHELMSFORD DPW 2025 PAVING PROGRAM			
STREET NAME	TREATMENT	STREET NAME	TREATMENT
Ann's Way	Microsealing	Livery Road	Reclamation
Ansie Road	Mill and Overlay	Locust Road	Microsealing
Baldwin Road	Mill and Overlay	Longview Drive	Reclamation
Buckman Drive	Mill and Overlay	Manwell Road	Mill and Overlay
Burton Lane	Reclamation	Maple Avenue	Mill and Overlay
Checkerberry Lane	Mill and Overlay	Miland Avenue	Reclamation
Columbia Street	Microsealing	Newtowne Way	Reclamation
Dayton Street	Reclamation	Oak Street	Mill and Overlay
Deanna Lane	Microsealing	Overlook Drive	Mill and Overlay
Gallup Drive	Reclamation	Reid Road	Mill and Overlay
Garrison Road	Reclamation	Research Place	Reclamation
Grove Street	Mill and Overlay	Seneca Avenue	Reclamation
Hemlock Drive	Microsealing	Spring Street	Microsealing
Joyce Street	Mill and Overlay	Stillwater Drive	Reclamation
Kensington Drive	Reclamation	Sunset Avenue	Mill and Overlay
Lady Slipper Lane	Microsealing	Whippletree Road	Mill and Overlay
Lauderdale Road	Mill and Overlay	Wilson Road	Microsealing

8.5 Miles Paved

2026 PAVING PLAN



STREET NAME	FROM	TO	TREATMENT
ALBINA STREET	GORHAM ST	CARLISLE ST	Micro Sealing
AMBLE ROAD	TROTting RD	CANTER RD	Mill And Overlay
AMBLE ROAD	CANTER RD	RACK RD	Reclamation
CHESTNUT HILL ROAD	GALLOWAY RD	AMBLE RD	Reclamation
CLARISSA ROAD	JANET RD	FISHER RD	Reclamation
COLONIAL DRIVE	NORTH RD	DEAD END	Reclamation
COLONIAL TERRACE	COLONIAL DR (W)	COLONIAL DR (E)	Reclamation
CYPRESS STREET	DALTON RD	WOODBINE ST	Mill And Overlay
EDGELAWN AVENUE	RICHARDSON AVENUE	MAROSE AVENUE	Mill And Overlay
ETTA STREET	ALGONQUIN RD	JUDITH RD	Mill And Overlay
FIELD STREET	DALTON RD	ERLIN RD	Mill and Overlay
GALLOWAY ROAD	TOWN LINE	PINE HILL RD	Reclamation
GELDING ROAD	WHIPPLE TREE RD	CHESTNUT HILL RD	Mill And Overlay
JUNIPER STREET	DALTON RD	WOODBINE ST	Mill And Overlay
KRISTIN DRIVE	CUL DE SAC	HERBERT RD	Mill And Overlay
KRISTIN DRIVE	HERBERT RD	KRISTIN DR EXT	Mill And Overlay
KRISTIN DRIVE EXTENSION	KRISTIN DR	CUL DE SAC	Mill And Overlay
LATCH ROAD	NORTHGATE	CUL DE SAC	Mill And Overlay
MISSION ROAD	GLENDALE ROAD	TOWN LINE	Mill And Overlay
MOCCASIN LANE	GRANITEVILLE ROAD	CUL DE SAC	Mill And Overlay
MOORE STREET	BRICK KILN RD	1700' W OF BRICK KILN RD	Micro Sealing
MOORE STREET	1700' W OF BRICK KILN RD	SHEDD LN	Micro Sealing
NORTHGATE ROAD	NORTH ROAD	HEMLOCK DR	Mill And Overlay
PROCTOR ROAD	ACTON RD	PARK RD Y INT	Reclamation
PROCTOR ROAD	PARK ROAD Y INT	TOWN LINE	Reclamation
SHEDD LANE	MARSHALL ST	MOORE ST	Micro Sealing
SIERRA DRIVE	OLD STAGE RD	FARLEY BROOK RD	Mill And Overlay
SOUTHGATE ROAD	NORTH ROAD	HEMLOCK DR	Mill And Overlay
TADMUCK ROAD	LITTLETON RD	TOWN LINE	Reclamation
TUTTLE ROAD	CONCORD RD	PROCTOR RD	Micro Sealing
TWISS ROAD	MAIN STREET	DEAD END	Reclamation

Estimated construction cost of \$3.6 million for 9.9 miles

3/9/2026 – PAVING AND SIDEWALK MASTERPLAN UPDATE

2023 SIDEWALK MASTER PLAN

DATA COLLECTION PROCESS

EP evaluated a total of 46.5 miles of sidewalk as part of this project and a total of 922 pedestrian curb ramp locations, 756 of which were Town-owned. The evaluation focused on the Town's accepted roadway network, which are the roadways the Town is responsible for maintaining.

CURB RAMPS

The EP team collected the following data at each intersection with existing pedestrian curb ramps:

- Material
- General Condition
- Opening Width (Concrete Only)
- Slope Reading (Concrete Only)
- Ramp Type (e.g., Apex, Perpendicular; Concrete Only)

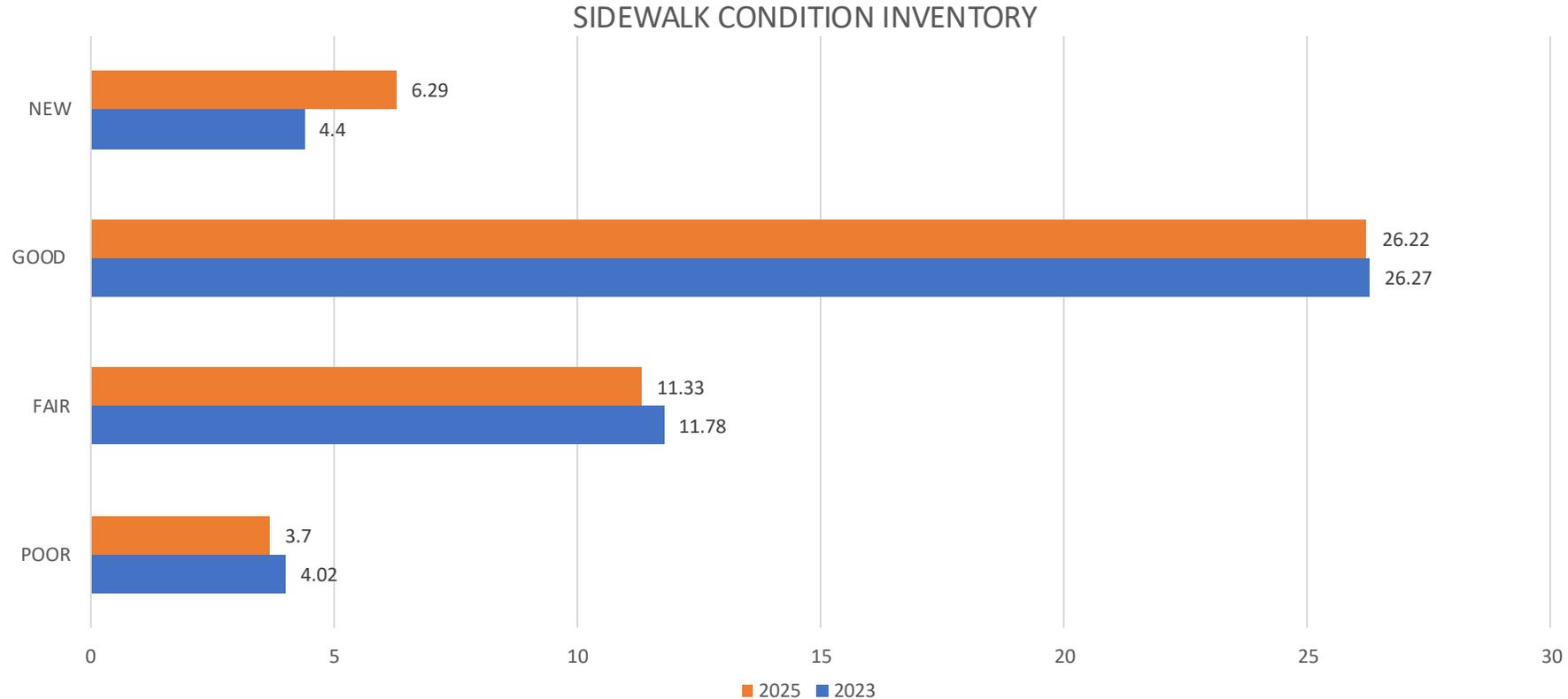
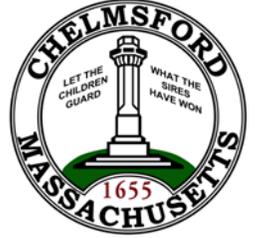
SIDEWALKS

Sidewalks were broken down from intersection to intersection in order to report on their condition.

The EP team collected the following data:

- Length (Feet)
- Width (Feet)
- General Condition (Excellent, Good, Fair, Poor)
- Material Type (Asphalt, Concrete, Brick, other)
- Structural Issues (only identified on sidewalks in Excellent or Good condition)
- Whether or not there was a grass strip

SIDEWALK MASTER PLAN



ADDED 1 MILE OF NEW SIDEWALK SINCE 2023 (47.5 MILES)

BACKLOG OF \$22 MILLION IN REPAIRS/REPLACEMENTS

\$13M IN NEW SIDEWALKS

SIDEWALK MASTER PLAN



432 OF 756 CURB RAMPS REQUIRE RECONSTRUCTION

Estimated \$1.9 Million Backlog

Target 25-40 annually in conjunction with paving program

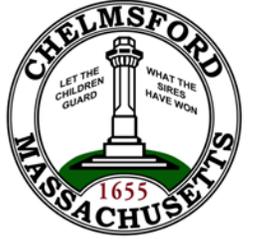
SUMMARY OF 2025 COMPLETED SIDEWALK



1,030 LF Burton Lane (Existing Sidewalk Replaced)
255 LF Cushing Place (New Sidewalk)
1,100 LF Turnpike Road (New sidewalk – Complete Streets Grant)
Miscellaneous curb ramps at 27 locations

0.45 Miles Replaced/New Sidewalk
\$525,000 Spent

2026 SIDEWALK PLAN



360 LF Turnpike Road (New sidewalk between Billerica Road and Bernard Lane - Completes Street Grant)
1,500 LF Parkerville Road (New sidewalk - Federal Grant)
Miscellaneous curb ramps at 25 locations (In conjunction with Roadway Paving Plan)

0.35 Miles Proposed
\$450,000 Estimated Construction

ROADWAY RECONSTRUCTION PROJECT UPDATES

Main Street Reconstruction Design



- \$195,000 design funded for project, GPI Consultant
- Assessment and Preliminary Concept Report completed
- Estimated \$1.5 million Construction, to be implemented in 3 phases (\$500,000 each)
- Project Goals:
 - Complete streets approach – provide improved access to all users
 - Roadway restoration, continuous sidewalk on one side
 - Traffic calming implementation along corridor
 - Improve crossing at high pedestrian use locations



WESTFORD
CHELMSFORD

40

3

LOVETT LANE

LOISELLE LANE

BARRY DRIVE

BURTON LANE

MAIN STREET

GROTON ROAD

SCHOOL STREET

TO HIGH SCHOOL /
CHELMSFORD CENTER

WILSON LANE

BRADFORD ROAD

ABERDEEN ROAD

LYNN LANE

40

MEADOWBROOK ROAD

TWISS ROAD

Fairview
Cemetery

WATERFRONT ROAD

3

TO HIGH SCHOOL

TO VINAL SQUARE

© 2010



WESTFORD
CHELMSFORD

40

3

LOVETT LANE

LOISELLE LANE

BARRY DRIVE

BURTON LANE

Pedestrian
Related Crash

Two (2) Speed
Related crashes

Pedestrian
Related Crash

GROTON ROAD

SCHOOL STREET

TO HIGH SCHOOL /
CHELMSFORD CENTER

WILSON LANE

BRADFORD ROAD

ABERDEEN ROAD

MAIN STREET

LYNN LANE

40

Fairview
Cemetery

TWISS ROAD

2

9

SWAIN ROAD

MEADOWBROOK ROAD

3

WATERFRONT ROAD

TO VINAL SQUARE

MASSDOT CRASHES 2020-2024

Property-Damage Only

Non-Fatal Injury

Pedestrian Non-Fatal Injury

TO HIGH SCHOOL

Newfield Pond

MassGIS



WESTFORD
CHELMSFORD

LOVETT LANE

LOISELLE LANE

BARRY DRIVE

BURTON LANE

MAIN STREET

BRADFORD ROAD

ABERDEEN ROAD

MEADOWBROOK ROAD

LYNN LANE

GROTON ROAD

SCHOOL STREET

TO HIGH SCHOOL /
CHELMSFORD CENTER

WILSON LANE

Fairview
Cemetery

TWISS ROAD

WATERFRONT ROAD

TO VINAL
SQUARE

EXISTING PEDESTRIAN NETWORK & GENERATORS

-  Existing Sidewalk
-  Existing Crosswalk
-  Sidewalk Gap

-  High Density Residential
-  Open Space

TO HIGH SCHOOL

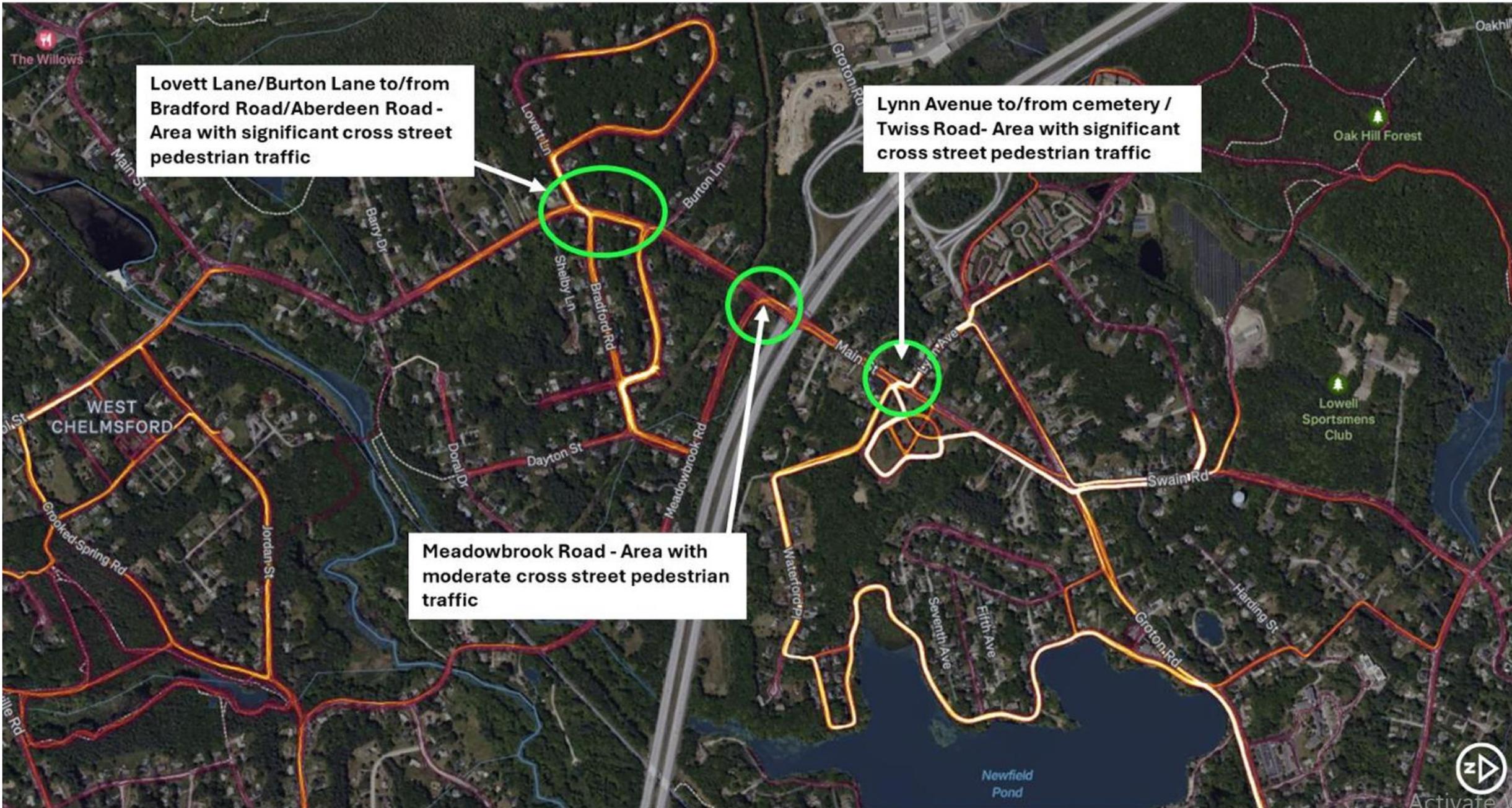
Newfield Pond

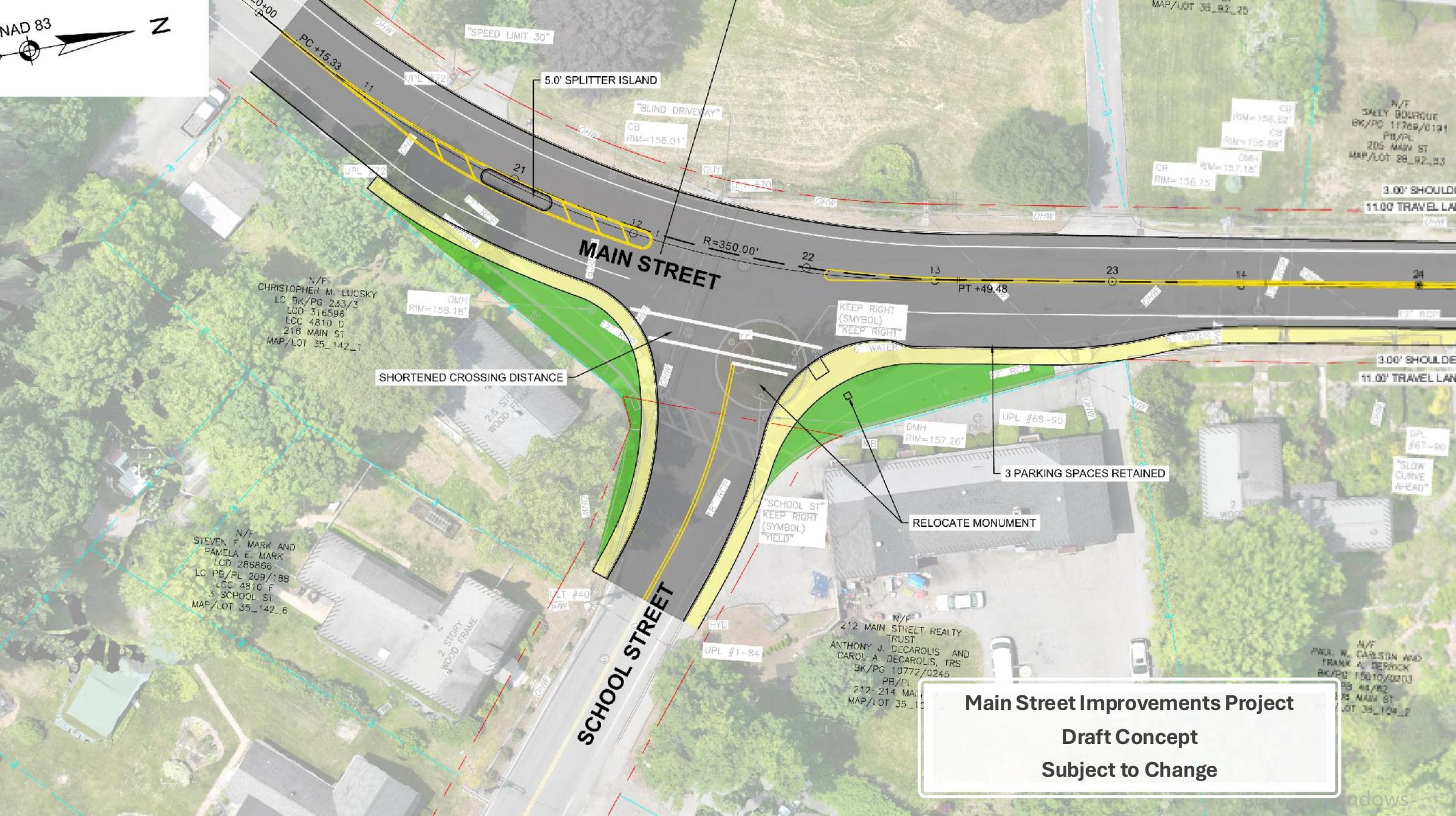
Acquia MassGIS

**Lovett Lane/Burton Lane to/from
Bradford Road/Aberdeen Road -
Area with significant cross street
pedestrian traffic**

**Lynn Avenue to/from cemetery /
Twiss Road- Area with significant
cross street pedestrian traffic**

**Meadowbrook Road - Area with
moderate cross street pedestrian
traffic**





N/F
CHRISTOPHER M. LUCSKY
LC BK/PG 233/3
LCC 316596
LCC 4810 D
216 MAIN ST
MAP/LOT 35_142_1

N/F
STEVEN F. MARK AND
PAMELA E. MARK
LCC 286866
LC PB/PL 209/188
LCC 4810 F
3 SCHOOL ST
MAP/LOT 35_142_6

N/F
212 MAIN STREET REALTY
TRUST
ANTHONY J. DECAROLIS AND
CAROL A. DECAROLIS, TRS
BK/PG 10772/0245
PB/PL
212-214 MAIN ST
MAP/LOT 35_142_3

N/F
PAUL W. CARLSON AND
FRANK A. DEROCK
BK/PG 15010/0300
PB 44/80
28 MAIN ST
LOT 35_104_2

"SPEED LIMIT 30"

5.0' SPLITTER ISLAND

"BLIND DRIVEWAY"

MAIN STREET

SCHOOL STREET

SHORTENED CROSSING DISTANCE

KEEP RIGHT
(SYMBOL)
"KEEP RIGHT"

"SCHOOL ST"
KEEP RIGHT
(SYMBOL)
"YIELD"

RELOCATE MONUMENT

3 PARKING SPACES RETAINED

Main Street Improvements Project

Draft Concept

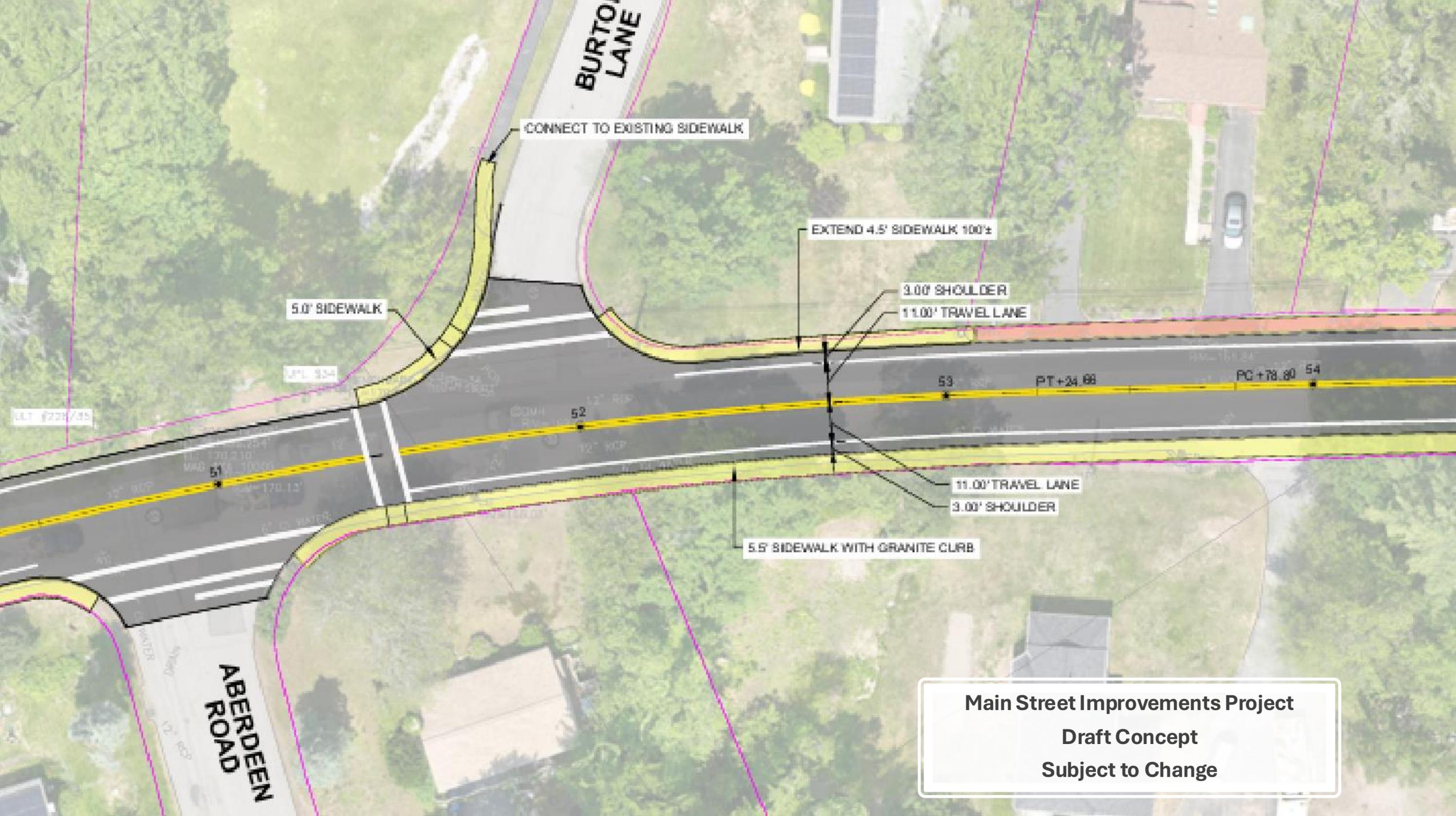
Subject to Change

N/F
SALLY BOURQUET
BK/PG 11788/0191
PB/PL
205 MAIN ST
MAP/LOT 35_142_33

3.00' SHOULDER
11.00 TRAVEL LANE

3.00' SHOULDER
11.00' TRAVEL LANE

UPL #67-80
"SLOW CURVE AHEAD"



BURTON LANE

CONNECT TO EXISTING SIDEWALK

EXTEND 4.5' SIDEWALK 100±

3.00' SHOULDER

11.00' TRAVEL LANE

5.0' SIDEWALK

STL 33±

LT #228/45

52

53

PT+24.88

PC+78.80 54

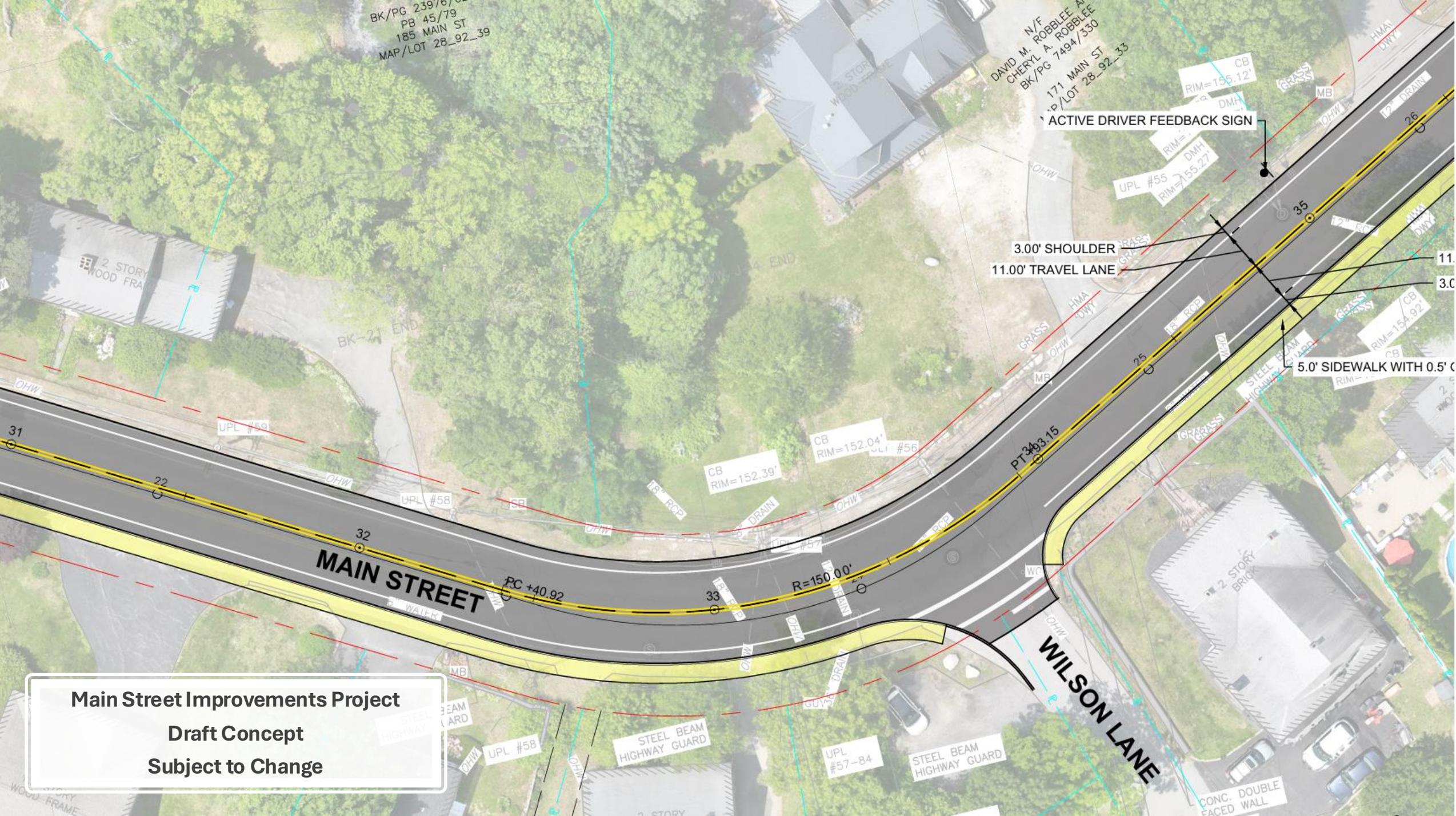
11.00' TRAVEL LANE

3.00' SHOULDER

5.5' SIDEWALK WITH GRANITE CURB

ABERDEEN ROAD

Main Street Improvements Project
Draft Concept
Subject to Change



BK/PG 239/6/30
PB 45/79
185 MAIN ST
MAP/LOT 28_92_39

N/F
DAVID M. ROBBLEE A
CHERYL A. ROBBLEE
BK/PG 7494/330
171 MAIN ST
MAP/LOT 28_92_33

2 STORY
WOOD FRAME

BK-21 END

1/4 END

ACTIVE DRIVER FEEDBACK SIGN

3.00' SHOULDER
11.00' TRAVEL LANE

5.0' SIDEWALK WITH 0.5' C

UPL #59

UPL #58

CB
RIM=152.39'

CB
RIM=152.04'

UPL #55
RIM=155.27'

CB
RIM=155.12'

11.00'
3.00'

RIM=154.92'

31

22

32

33

25

35

MAIN STREET

PC +40.92

R=150.00'

PT+33.15

WILSON LANE

2 STORY
BRICK

Main Street Improvements Project
Draft Concept
Subject to Change

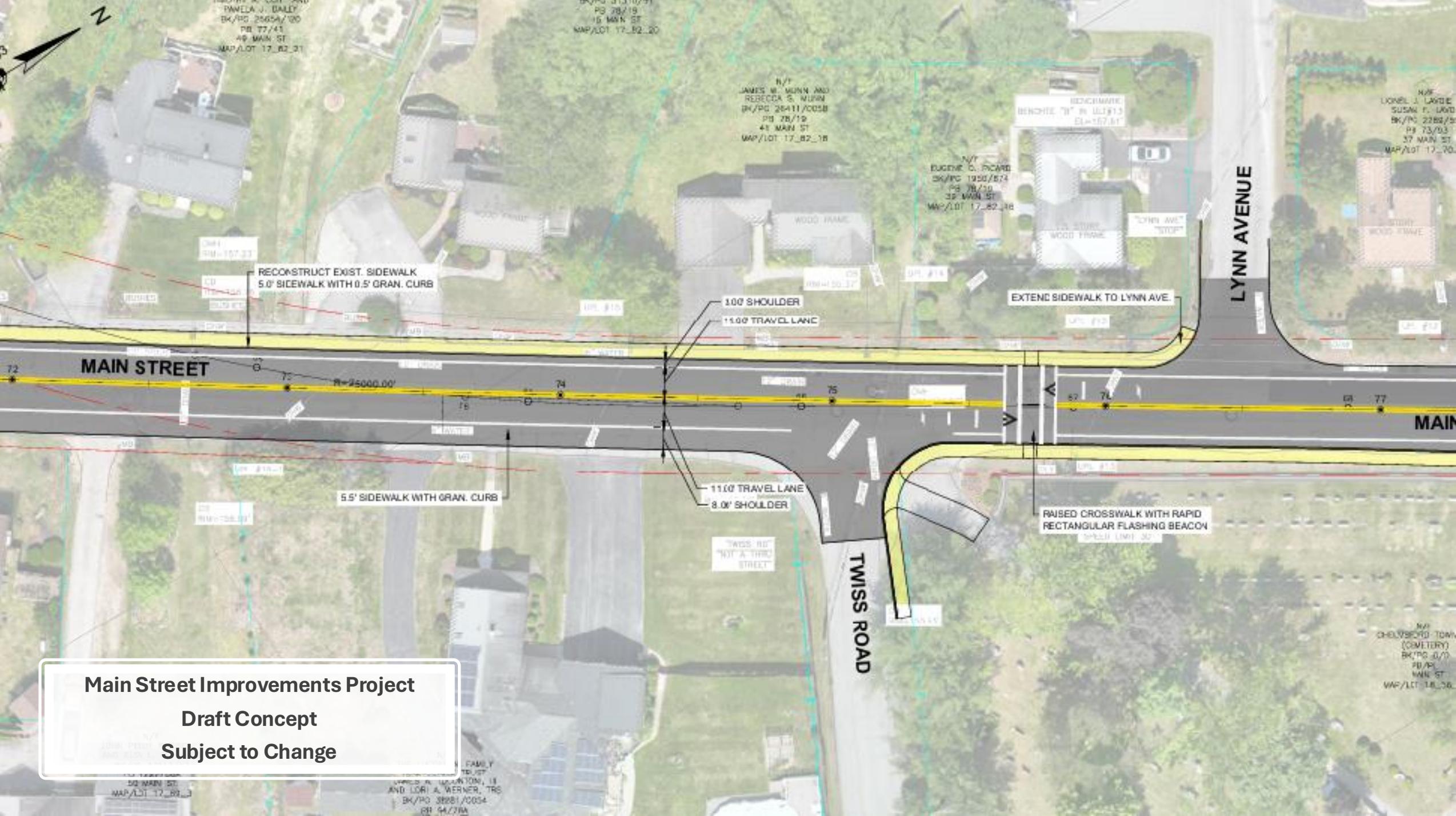
STEEL BEAM
HIGHWAY GUARD

STEEL BEAM
HIGHWAY GUARD

UPL #57-84

STEEL BEAM
HIGHWAY GUARD

CONC. DOUBLE
FACED WALL



PAWELA J. DALY
BK/PG 25654/120
PB 77/41
49 MAIN ST
MAP/LOT 17_B2_21

BK/PG 21310/31
PB 78/19
15 MAIN ST
MAP/LOT 17_B2_20

R/T
JAMES W. MURN AND
REBECCA S. MURN
BK/PG 26411/0058
PB 78/12
41 MAIN ST
MAP/LOT 17_B2_18

R/T
EUGENE C. PICARD
BK/PG 1950/874
PB 78/10
35 MAIN ST
MAP/LOT 17_B2_18

BENCHMARK
BENCHITE "B" N ULL913
E4-157.81

JOHN AVE
"STOP"

R/T
LONEL J. LARDE
SUSAN L. LARDE
BK/PG 2288/56
PB 73/03
37 MAIN ST
MAP/LOT 17_2

RECONSTRUCT EXIST. SIDEWALK
5.0' SIDEWALK WITH 0.5' GRAN. CURB

10.0' SHOULDER
11.00' TRAVEL LANE

EXTEND SIDEWALK TO LYNN AVE

MAIN STREET

LYNN AVENUE

5.5' SIDEWALK WITH GRAN. CURB

11.00' TRAVEL LANE
8.00' SHOULDER

RAISED CROSSWALK WITH RAPID
RECTANGULAR FLASHING BEACON
SPEED LIMIT 30

TWISS ROAD

Main Street Improvements Project
Draft Concept
Subject to Change

FAMILY TRUST
JAMES W. MURN, TRUSTEE
AND LORI A. WERNER, TRS
BK/PG 38281/0054
PB 94/26A

R/T
CHOLYBROOK TOWN
(CEMETERY)
BK/PG 0/0
PB/PL
MAIN ST
MAP/LOT 14L36

ROADWAY RECONSTRUCTION PROJECT UPDATES

Main Street Reconstruction Design



- Main Street Project Phasing:
 - 1. School Street – Loiselle Lane
 - 2. Loiselle Lane to NB MassDOT crossings
 - NB MassDOT crossing – Groton Road
- Next Steps:
 - Finalize assessment report and make available on DPW website (March 2026)
 - Main Street Public Input Session Spring 2026
 - Advance design 2026
 - Phase 1 Construction (\$500,000) TBD – funding dependent

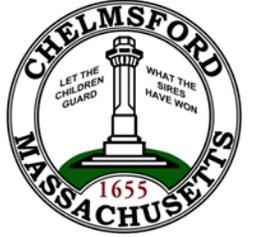
ROADWAY RECONSTRUCTION PROJECT UPDATES

Chelmsford Street (110) Design

MassDOT advancing design between Alpine Lane and Golden Cove Road

Anticipate 2028 construction

Town Section Between Central Square and Alpine Lane on hold
evaluating cost alternatives and drainage conditions along 110



Vinal Square Reconstruction Design

25% design to be completed spring 2025

Utility Tracing and Investigation (SUE) underway

Design Public Hearing Spring 2026 (TBD)

Anticipate 2028 Construction

Rt 3a (Richardson Road to Technology Drive)

Town completed survey and initial assessment

On hold to determine cost sharing and scope with MassDOT

Questions/Comments



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