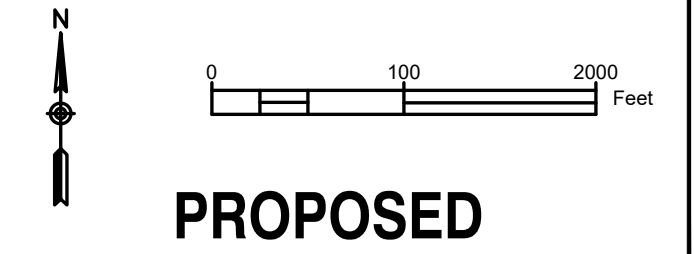


EVERSOURCE
ENERGY

- L-10
- L-9
- L-8
- L-7
- L-6
- L-5
- L-4
- L-3
- L-2
- L-1



PROPOSED

REVISIONS

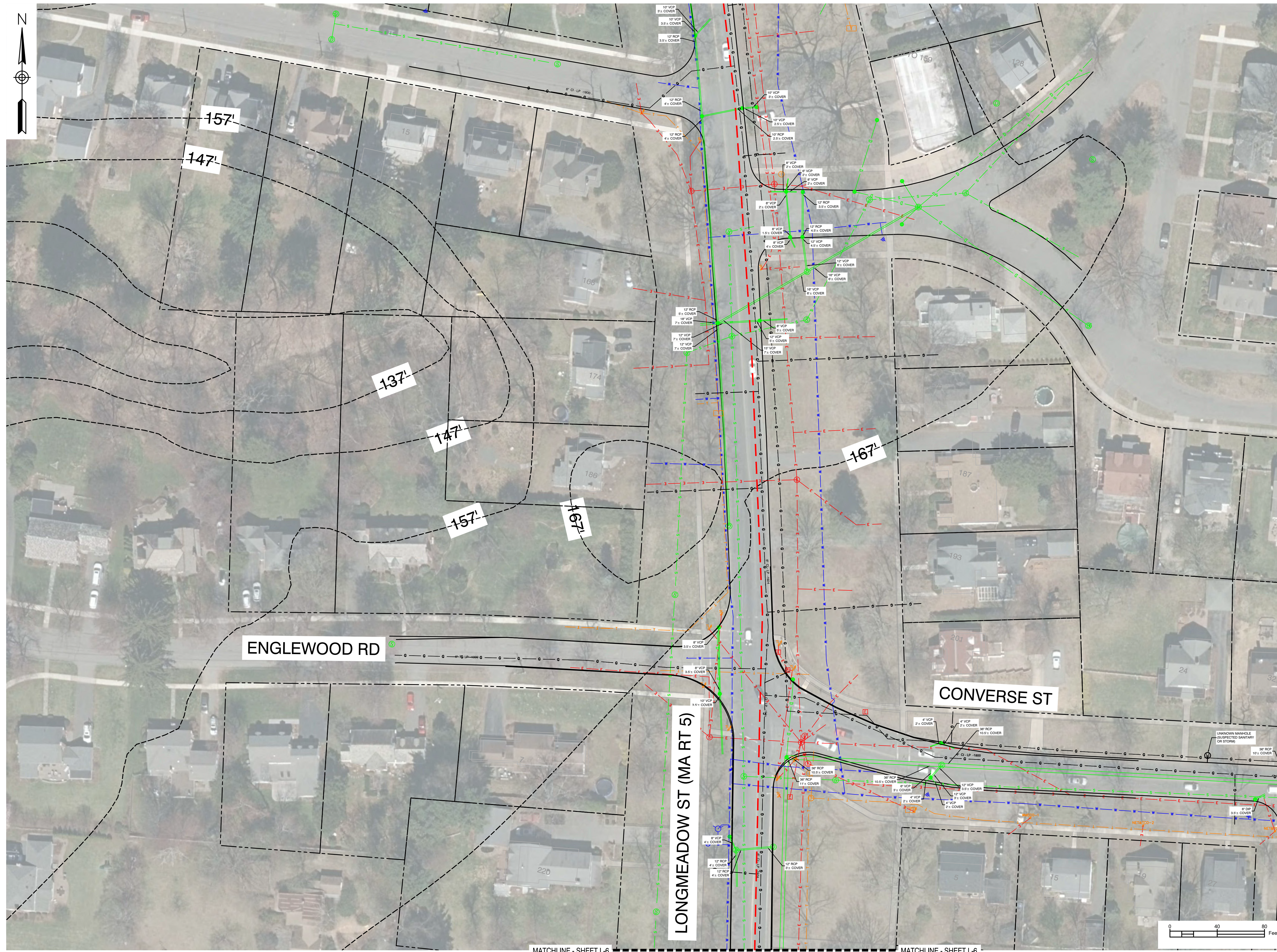
REV. #	DATE	DESCRIPTION
0	04/19/22	WILLIAMS ST VARIATION

DESIGNED BY	CAR	10-06-20	
DRAWN BY	NVG	04/19/22	
CHECKED BY			
AS-BUILT BY	X	X	X
	NAME	DATE	PHONE #

SITE NAME:
JO#
PROJECT ID#
 LONGMEADOW - SPRINGFIELD P.O.D. MP RUN
 LONGMEADOW - SPRINGFIELD, MA

PROJECT TITLE:
 LAYOUT SHEET

DRAWING NO:
L-9



EVERSOURCE
ENERGY

- L-10
- L-9
- L-8
- L-7
- L-6
- L-5
- L-4
- L-3
- L-2
- L-1

0 100 2000 Feet
PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
0	04/19/22	WILLIAMS ST VARIATION

DESIGNED BY	CAR	10-06-20	
DRAWN BY	NVG	04/19/22	
CHECKED BY			
AS-BUILT BY	X	X	X
	NAME	DATE	PHONE #

SITE NAME:
JO#
PROJECT ID#
LONGMEADOW - SPRINGFIELD P.O.D. MP RUN
LONGMEADOW - SPRINGFIELD, MA

PROJECT TITLE:
LAYOUT SHEET

DRAWING NO:
L-10

MATCHLINE - SHEET L-6

MATCHLINE - SHEET L-6

AS-BUILT NOTES
(TO BE COMPLETED DURING CONSTRUCTION)



PIPELINE PRESSURE TEST DATA			
<input type="checkbox"/> CGV <input type="checkbox"/> CKY <input type="checkbox"/> CMA <input type="checkbox"/> CMD <input type="checkbox"/> COH <input type="checkbox"/> CPA <input type="checkbox"/> NIPSCO			
LOA/TCC: _____		WO/JO: _____	
RECORDING CHART <input type="checkbox"/> YES <input type="checkbox"/> NO		RECORDER SERIAL NO: _____	
PRESSURE SYSTEM NO: _____		REQUIRED MAOP: _____	
TEST ACCEPTABLE: <input type="checkbox"/> YES <input type="checkbox"/> NO			
PIPELINE LOCATION (STREET, CITY, TOWN OR COUNTY)	LENGTH	SIZE	PE/STEEL
TEST DATE: _____	TEST MEDIUM: _____	TEST PRESSURE: _____	
START TIME: _____	STOP TIME: _____	DURATION: _____	
PRINT NAME: _____	CONTRACTOR (IF APPLICABLE): _____		
REMARKS*: _____			
* DESCRIBE ANY LEAKAGE OR FAILURES FOUND DURING THE TEST AND THEIR DISPOSITION. NOTE SIGNIFICANT ELEVATION VARIATIONS ON WATER TESTS.			
FORM GS 1500.010-1 (5-2014)			

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
0	04/19/22	WILLIAMS ST VARIATION

DESIGNED BY	CAR	10-06-20	
DRAWN BY	NVG	04/19/22	
CHECK'D BY			
AS-BUILT BY	X	X	X
	NAME	DATE	PHONE #

SITE NAME:

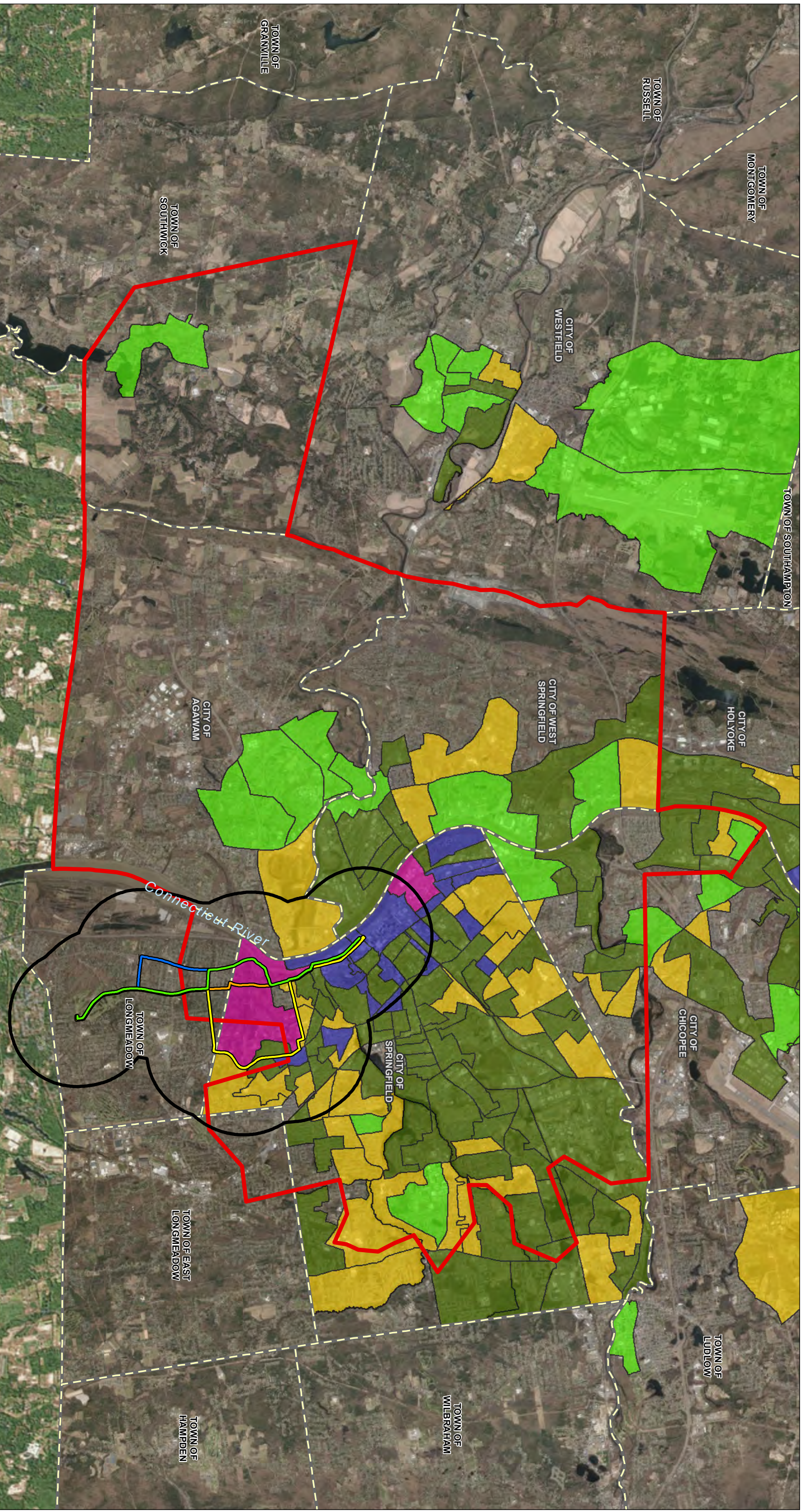
JO#
JO#
PROJECT ID#
LONGMEADOW - SPRINGFIELD P.O.D. MP RUN
LONGMEADOW - SPRINGFIELD, MA

DRAWING TITLE:

CONSTRUCTION
DETAILS

DRAWING NO:

D-1



- Outage Area
- Town Boundary
- Preferred Route (Route 1A & NB1)
- Noticed Alternative (Route 1B & NA1)
- Southern Noticed Variation to Preferred Route No. 1 (Route 2)
- Southern Noticed Variation to Preferred Route No. 2 (Route 1)
- One-Mile Radius Around Routes

- Environmental Justice Criteria (2020)**
- Minority
 - Income
 - Minority and Income
 - Minority and English Isolation
 - Minority, Income and English Isolation

S:\1-PROJECTS\Nisource\399616_Longmeadow\5-MXD\Fig 1 OutageArea_EJ_20220106.mxd

Base Map: USGS Color Ortho Imagery, MassGIS 2019; Esri "World Imagery (Clarity)"; Data Sources: MassGIS; TRC, 2020; EEA, 2020

PROJECT: NiSource
Springfield-Longmeadow
Reliability Project

TITLE: Outage Area
Environmental Justice Areas

DRAWN BY: G. STODWELL	PROJECT NO: 399616
CHECKED BY: M. BEGAN	
APPROVED BY: J. BRANDT	
DATE: JANUARY 2022	FIGURE 14

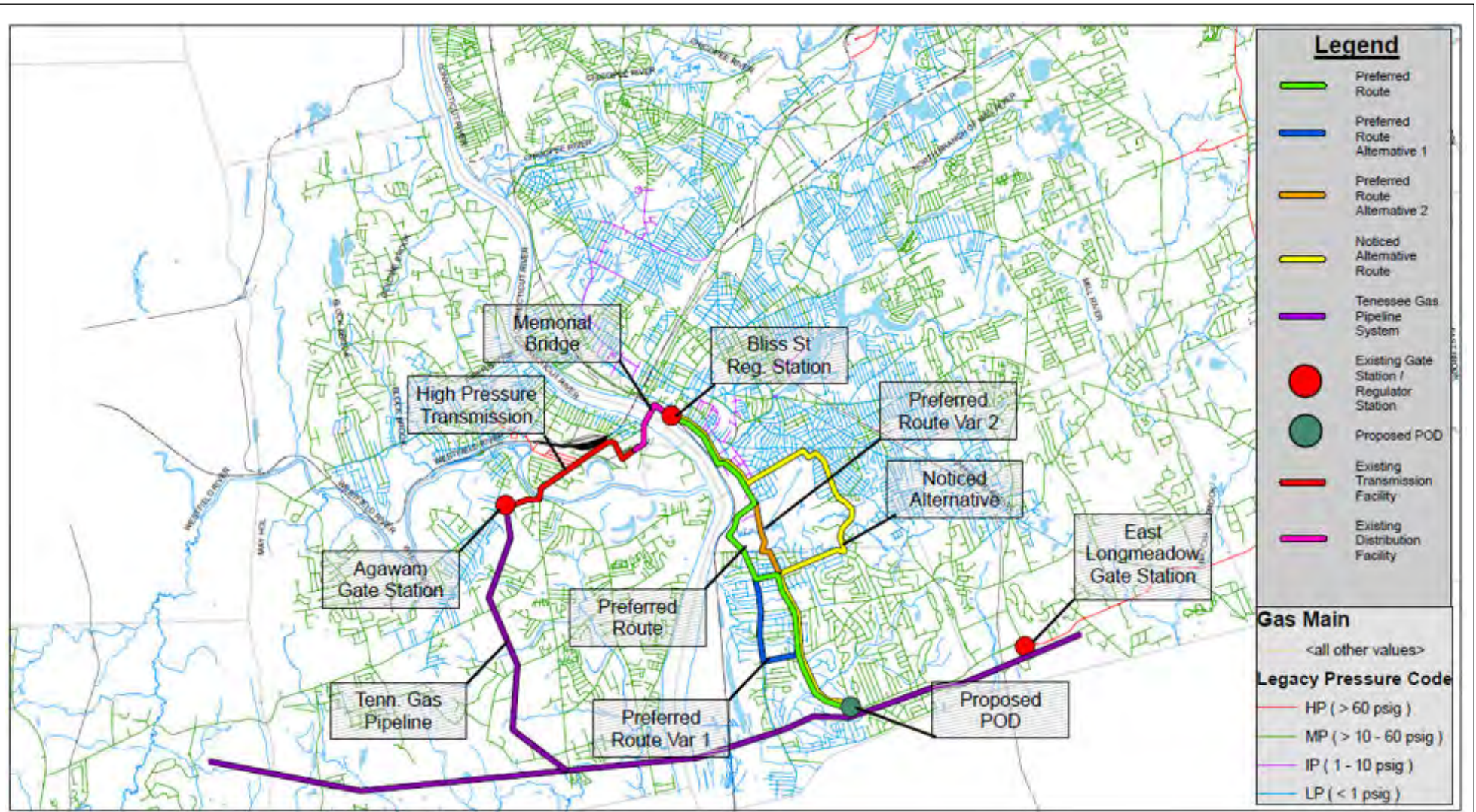
TRC

Wappingport Mills
650 Suffolk Street
Lowell, MA 01854

Scale: 0, 3,750, 7,500 Feet
1 inch = 7,500 Feet

North Arrow: N

Inset Map: Massachusetts map showing the project location in the western part of the state.



Legend

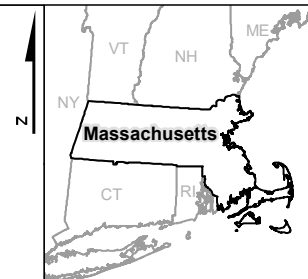
- Preferred Route
- Preferred Route Alternative 1
- Preferred Route Alternative 2
- Noticed Alternative Route
- Tennessee Gas Pipeline System
- Existing Gate Station / Regulator Station
- Proposed POD
- Existing Transmission Facility
- Existing Distribution Facility

Gas Main

- <all other values>

Legacy Pressure Code

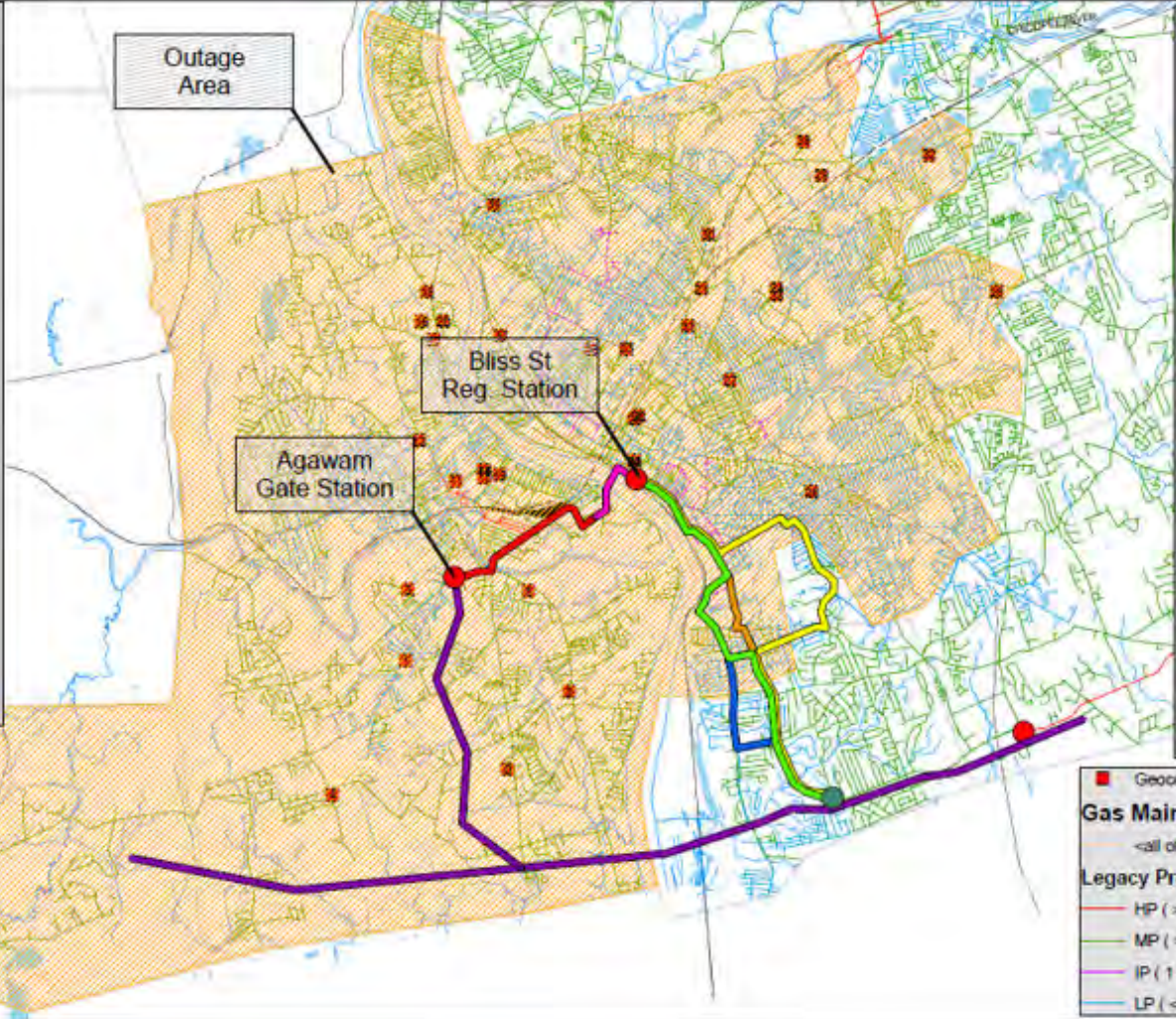
- HP (> 60 psig)
- MP (> 10 - 60 psig)
- IP (1 - 10 psig)
- LP (< 1 psig)



PROJECT: Eversource Western Massachusetts Gas Reliability Project	
TITLE: System Overview	
<small>DRAWN BY:</small> EVERSOURCE	<small>PROJECT NO.:</small> 399616
<small>CHECKED BY:</small> J. BRANDT	
<small>APPROVED BY:</small> J. BRANDT	FIGURE 2-1
<small>DATE:</small> MAY 2022	
Wannalancit Mills 650 Suffolk Street Lowell, MA 01854	

Data Sources: Eversource

- Site 0 - Agawam DPW
- Site 1 - Agawam Police Department
- Site 2 - Agawam Fire Department
- Site 3 - National Guard Armory
- Site 4 - Baystate Health Urgent Care
- Site 5 - Riverbend Medical Group
- Site 6 - Southwick DPW
- Site 7 - Southwick Public Works
- Site 8 - Southwick Police Department
- Site 9 - Southwick Fire Department
- Site 10 - Southwick Emergency Management
- Site 11 - West Springfield DPW
- Site 12 - West Springfield Water
- Site 13 - West Springfield Police Department
- Site 14 - West Springfield Town Hall
- Site 15 - West Springfield Fire Department
- Site 16 - Ram Ambulance Inc
- Site 17 - MinuteClinic
- Site 18 - Health MD Urgent Care
- Site 19 - AFC Urgent Care West Springfield
- Site 20 - Baystate Medical Practices - West Side Adult Medicine
- Site 21 - Springfield DPW
- Site 22 - Springfield Police Department
- Site 23 - Massachusetts State Police
- Site 24 - Springfield Fire Department
- Site 25 - Springfield Fire Department
- Site 26 - Springfield Fire Department - Station 3
- Site 27 - Mason Square Fire Station
- Site 28 - 16 Acres Fire Station
- Site 29 - American Medical Response
- Site 30 - American Medical Response
- Site 31 - National Ambulance
- Site 32 - Alert Ambulance Service
- Site 33 - Massachusetts Army National Guard
- Site 34 - Mercy Hospital
- Site 35 - Baystate Medical Center
- Site 36 - Shriners Children's New England
- Site 37 - Mass General Hospital
- Site 38 - Concentra Urgent Care
- Site 39 - Chicopee City Hall



Legend

- Preferred Route
- Preferred Route Alternative 1
- Preferred Route Alternative 2
- Noticed Alternative Route
- Tennessee Gas Pipeline System
- Existing Gate Station / Regulator Station
- Proposed POD
- Existing Transmission Facility
- Existing Distribution Facility

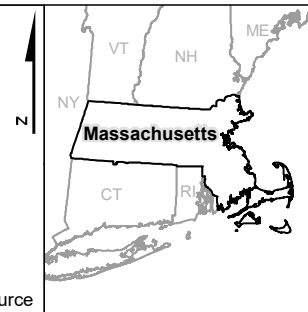
■ Geocoding Result: EmergencyAddresses

Gas Main

<all other values>

Legacy Pressure Code

- HP (> 60 psig)
- MP (> 10 - 60 psig)
- IP (1 - 10 psig)
- LP (< 1 psig)

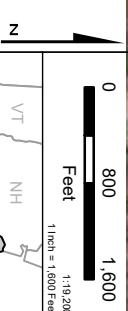


Eversource Western Massachusetts Gas Reliability Project	
Outage Area and Critical Facilities	
DRAWN BY:	EVERSOURCE PROJECT NO: 399616
CHECKED BY:	J. BRANDT
APPROVED BY:	J. BRANDT
DATE:	MAY 2022
FIGURE 2-2	
TRC	
Wannalancit Mills 650 Suffolk Street Lowell, MA 01854	

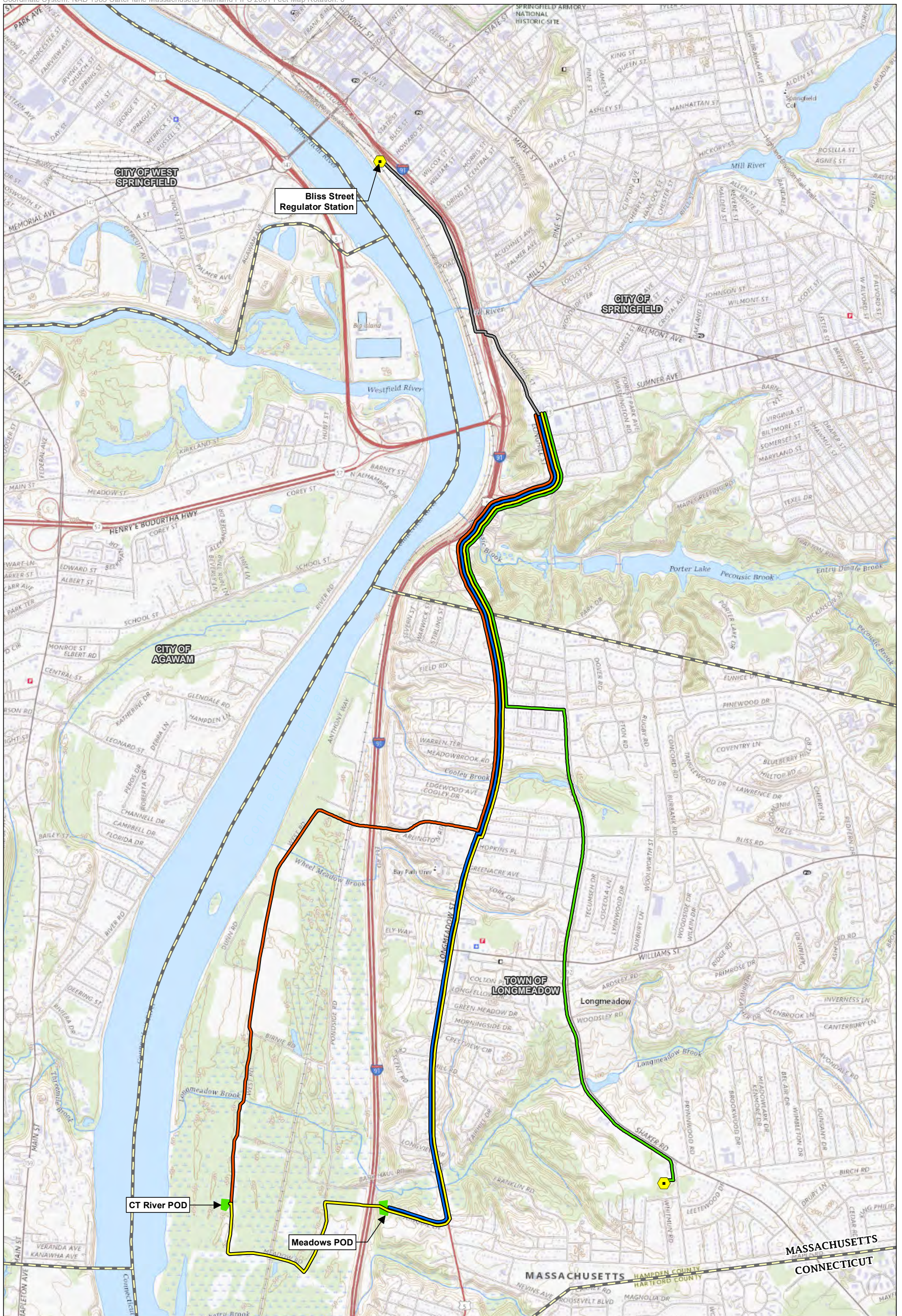
Data Sources: Eversource



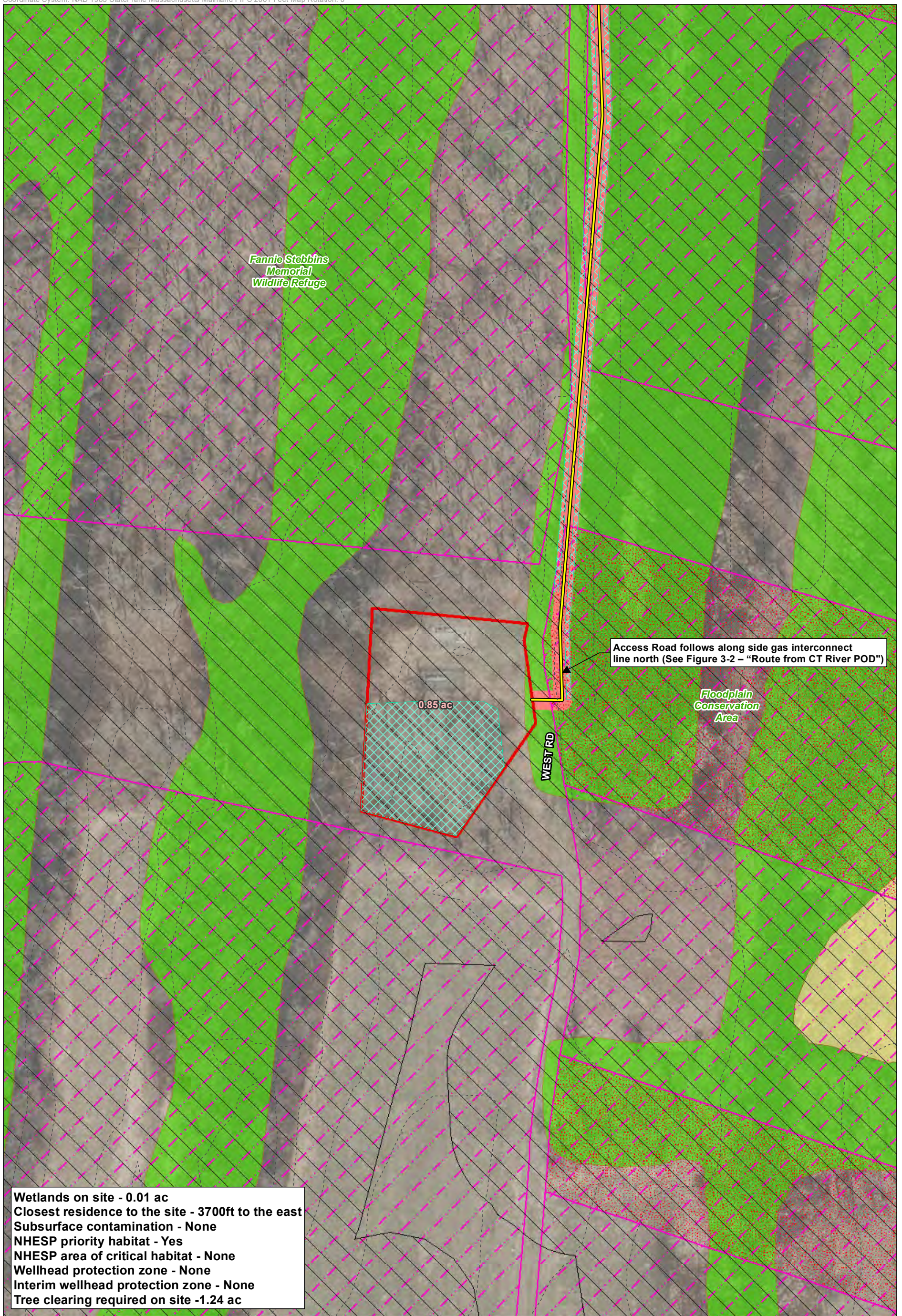
- Point of Delivery (POD)
- Town Boundary
- Natural Gas Pipeline
- Algonquin Gas Transmission Company
- Buckeye Production
- Columbia Gas of Massachusetts, Inc.
- Tennessee Gas Pipeline Company
- Refined Product Pipelines
- Buckeye Pipe Line Company, LP
- ExxonMobil Pipeline Company



<p>PROJECT</p> <p>Eversource Springfield-Longmeadow Reliability Project</p>	
<p>TITLE</p> <p>Alternative Point of Delivery (POD) Locations Springfield and Longmeadow, MA</p>	
<p>DRAWN BY: S. MONTUORI</p> <p>CHECKED BY: J. BRADY</p> <p>APPROVED BY: J. BRADY</p> <p>DATE: DECEMBER 2021</p>	<p>PROJECT NO.: 39516</p>
<p>FIGURE 3-1</p>	
<p>TRC</p> <p>Wamparacott Mills 650 Suffolk Street Lowell, MA 01854</p>	



<ul style="list-style-type: none"> — Preferred Route — Northern Portion of Proposed Gas Line Route — Route from CT River POD — Route from Meadows POD — Route from CT POD-Meadows POD <p>Note: Routes are graphically enhanced for better illustration.</p>	<ul style="list-style-type: none"> ■ POD ◆ Regulator Station Town Boundary 	<p>0 1,000 2,000 Feet</p> <p>1:24,000 1 Inch = 2,000 Feet</p>	<p>PROJECT: Eversource Springfield-Longmeadow Reliability Project</p> <p>TITLE: Routes from Project Alternative PODs and Proposed POD Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO.: 999616</p> <p>CHECKED BY: J. BRANDT</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: JANUARY 2022</p> <p>FIGURE 3-2</p> <p>TRC Wanalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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Wetlands on site - 0.01 ac
Closest residence to the site - 3700ft to the east
Subsurface contamination - None
NHESP priority habitat - Yes
NHESP area of critical habitat - None
Wellhead protection zone - None
Interim wellhead protection zone - None
Tree clearing required on site -1.24 ac

Point of Delivery (POD)	Priority Habitat of Rare Species
Proposed Route	Open Space and Recreational Land
Proposed Access Road (20' Wide)	Article 97 Lands
Tree Clearing	2ft Contour
Marsh Meadow or Fen	
Wooded Swamp Deciduous	

PROJECT: Eversource Springfield-Longmeadow Reliability Project

TITLE: CT River POD Springfield and Longmeadow, MA

DRAWN BY: S. MOTURI PROJECT NO: 399616

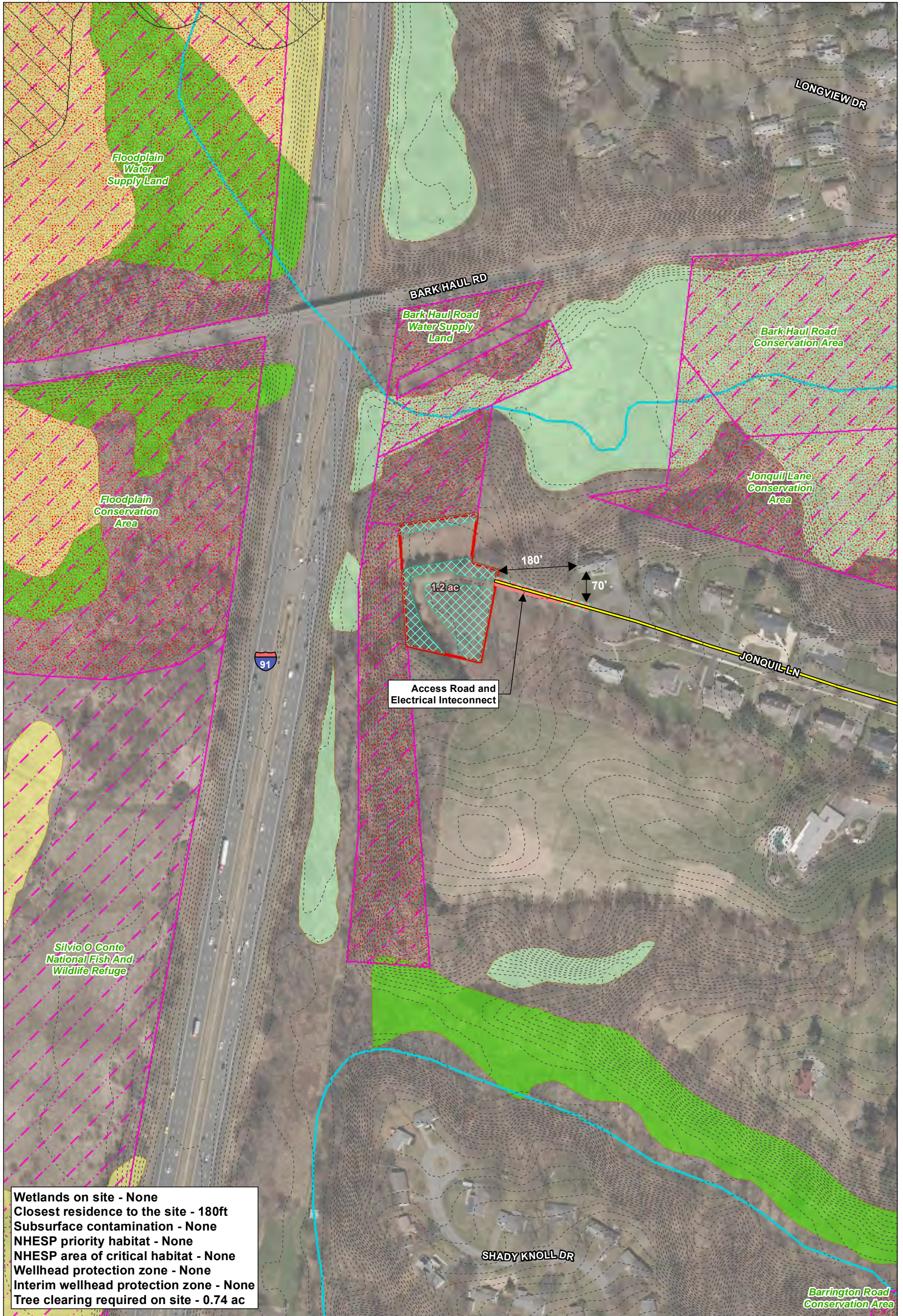
CHECKED BY: J. BRANDT

APPROVED BY: J. BRANDT

DATE: DECEMBER 2021

FIGURE 3-3

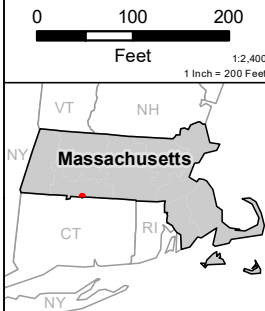
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854



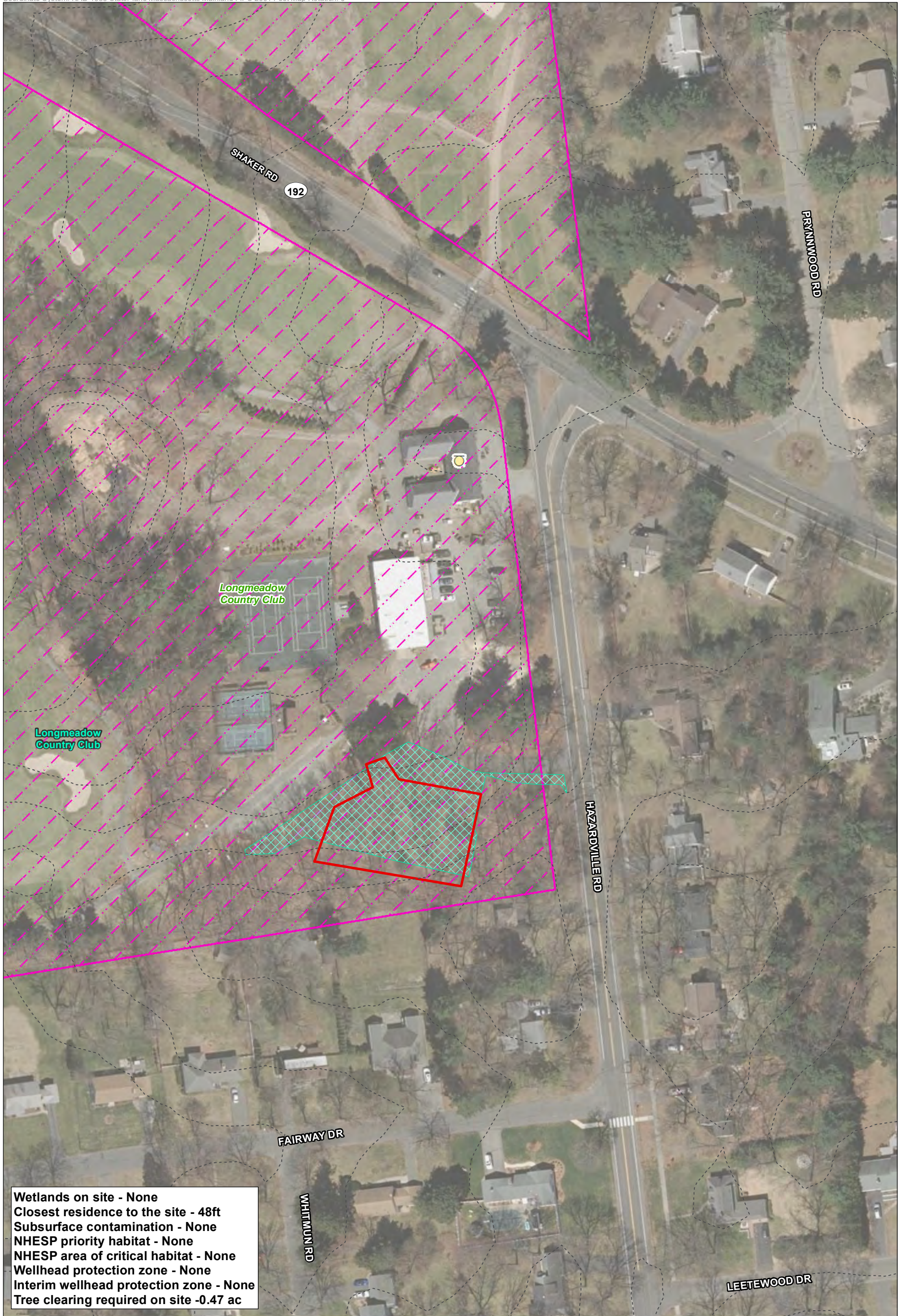
Wetlands on site - None
Closest residence to the site - 180ft
Subsurface contamination - None
NHESP priority habitat - None
NHESP area of critical habitat - None
Wellhead protection zone - None
Interim wellhead protection zone - None
Tree clearing required on site - 0.74 ac

- | | |
|----------------------------------|----------------------------------|
| Point of Delivery (POD) | Shrub Swamp |
| Proposed Route | Wooded Swamp Deciduous |
| Proposed Access Road (20' Wide) | Open Space and Recreational Land |
| Tree Clearing | Article 97 Lands |
| Priority Habitat of Rare Species | 2ft Contour |
| DEP Perennial Stream (25k) | |
| Marsh Meadow or Fen | |

Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020

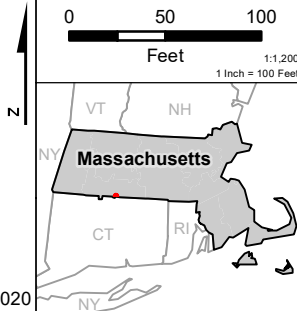


PROJECT: Eversource Springfield-Longmeadow Reliability Project	
TITLE: Meadows POD Longmeadow, MA	
DRAWN BY: S. MOTURI	PROJECT NO: 399616
CHECKED BY: J. BRANDT	
APPROVED BY: J. BRANDT	
DATE: DECEMBER 2021	FIGURE 3-4
Wannalancit Mills 650 Suffolk Street Lowell, MA 01854	

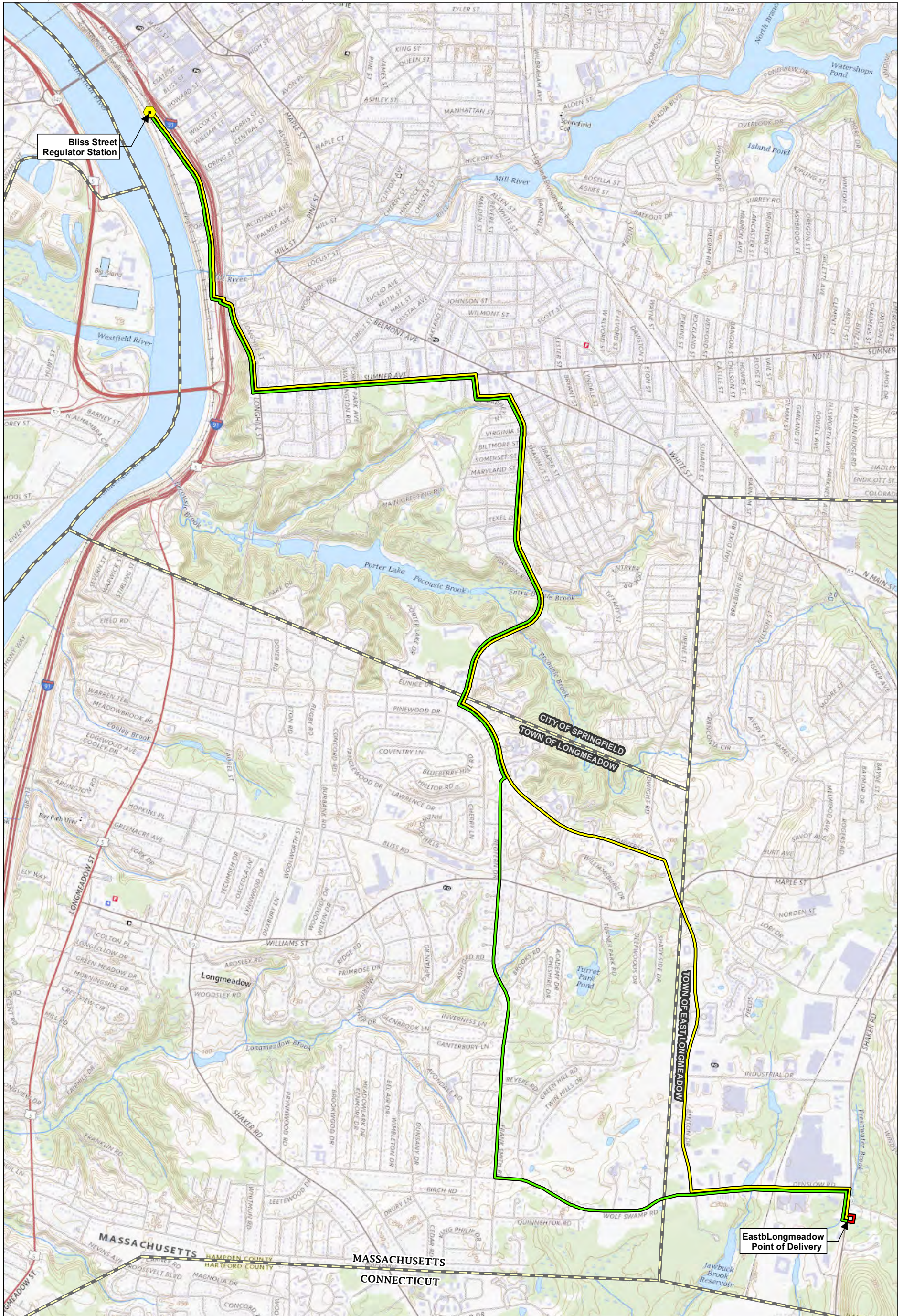


Wetlands on site - None
Closest residence to the site - 48ft
Subsurface contamination - None
NHESP priority habitat - None
NHESP area of critical habitat - None
Wellhead protection zone - None
Interim wellhead protection zone - None
Tree clearing required on site -0.47 ac

- Proposed Security Fence at POD
- Tree Clearing
- Open Space and Recreational Land
- 2ft Contour



PROJECT:		Eversource Western Massachusetts Gas Reliability Project	
TITLE:		Proposed POD Longmeadow, MA	
DRAWN BY:	S. MOTURI	PROJECT NO.:	399616
CHECKED BY:	J. BRANDT	FIGURE 3-5	
APPROVED BY:	J. BRANDT		
DATE:	MAY 2022	Wannalancit Mills 650 Suffolk Street Lowell, MA 01854	

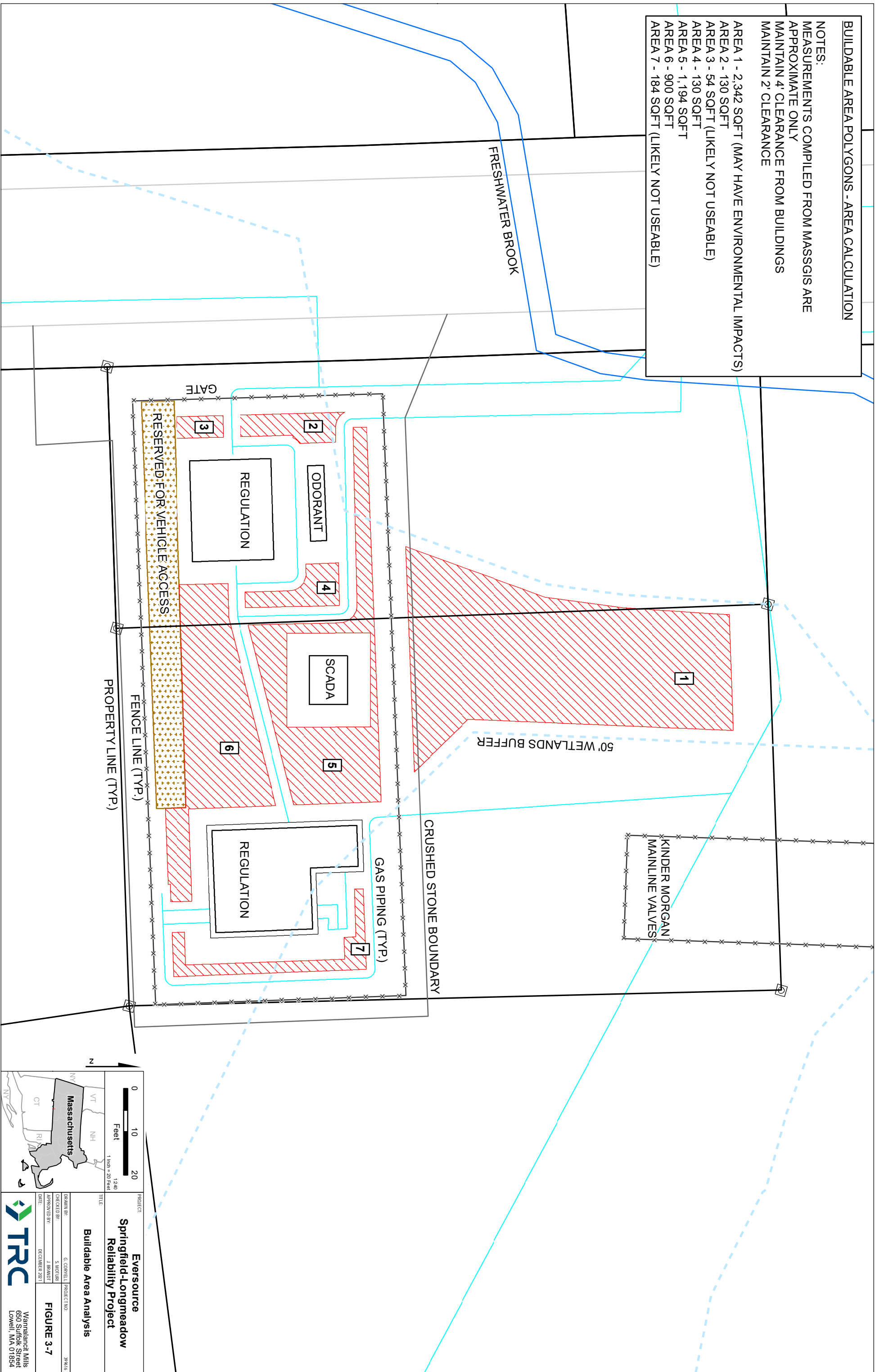


<ul style="list-style-type: none"> East Longmeadow POD Route 1 Route 2 Town Boundary 	<p>Note: Routes are graphically enhanced for better illustration.</p>	<p>0 1,000 2,000 Feet 1:24,000 1 Inch = 2,000 Feet</p>	<p>PROJECT: Eversource Springfield-Longmeadow Reliability Project</p> <p>TITLE: Routes from Project Alternative East Longmeadow POD Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO: 399616</p> <p>CHECKED BY: J. BRANDT</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: JANUARY 2022</p> <p style="text-align: right;">FIGURE 3-6</p> <p style="text-align: right;">TRC Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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BUILDABLE AREA POLYGONS - AREA CALCULATION

NOTES:
 MEASUREMENTS COMPILED FROM MASSGIS ARE APPROXIMATE ONLY
 MAINTAIN 4' CLEARANCE FROM BUILDINGS
 MAINTAIN 2' CLEARANCE

AREA 1 - 2,342 SQFT (MAY HAVE ENVIRONMENTAL IMPACTS)
 AREA 2 - 130 SQFT
 AREA 3 - 54 SQFT (LIKELY NOT USEABLE)
 AREA 4 - 130 SQFT
 AREA 5 - 1,194 SQFT
 AREA 6 - 900 SQFT
 AREA 7 - 184 SQFT (LIKELY NOT USEABLE)



PROPERTY LINE (TYP.)

FENCE LINE (TYP.)

RESERVED FOR VEHICLE ACCESS

GATE

REGULATION

ODORANT

SCADA

REGULATION

GAS PIPING (TYP.)

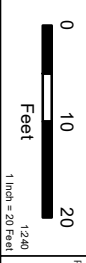
CRUSHED STONE BOUNDARY

50' WETLANDS BUFFER

KINDER MORGAN
MAINLINE VALVES

FRESHWATER BROOK

N



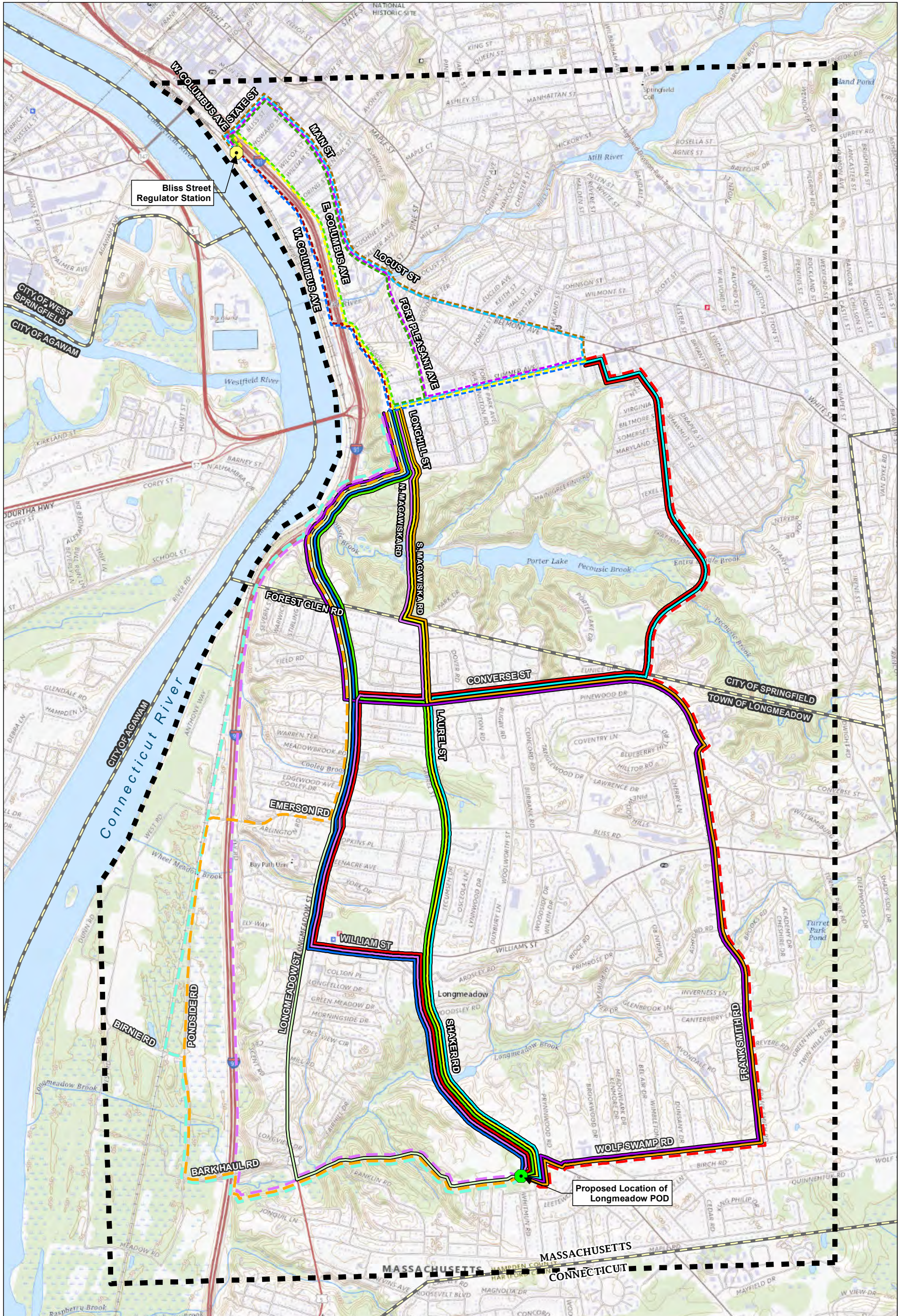
PROJECT
**Eversource
 Springfield-Longmeadow
 Reliability Project**

Buildable Area Analysis

DATE: DECEMBER 2021
 APPROVED BY: J. BRADY
 CHECKED BY: S. MORTISE
 DRAWN BY: G. CORRELL
 PROJECT NO.: 39816



Wamparacit Mills
 650 Suffolk Street
 Lowell, MA 01854



<ul style="list-style-type: none"> Route Alternative 1 Route Alternative 1A Route Alternative 1B Route Alternative 2 Route Alternative 2A Route Alternative 2B Route Alternative 3 Route Alternative 3A 	<ul style="list-style-type: none"> Route Alternative 4 Route Alternative 5 Route Alternative 6 Route Alternative 7 Route Alternative 8 Route Alternative NA1 Route Alternative NA2 Route Alternative NB1 	<ul style="list-style-type: none"> Route Alternative NB2 Route Alternative NC1 Route Alternative NC2 Route Alternative ND1 Route Alternative ND2 Study Area Regulator Station Longmeadow POD 	<ul style="list-style-type: none"> Town Boundary
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0 1,000 2,000
Feet
1:24,000
1 Inch = 2,000 Feet

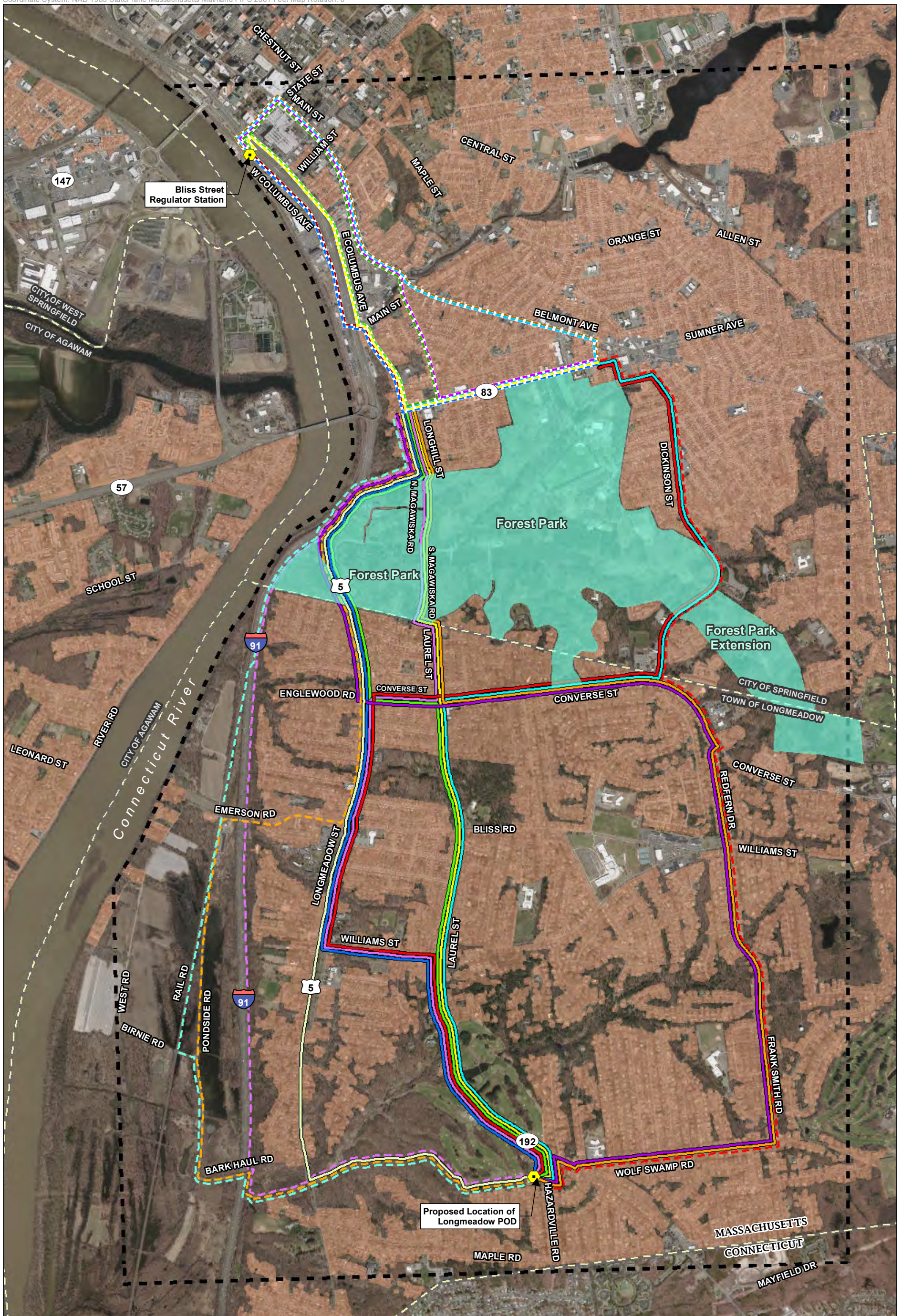
PROJECT: Eversource Western Massachusetts Gas Reliability Project

TITLE: Study Area Springfield and Longmeadow, MA

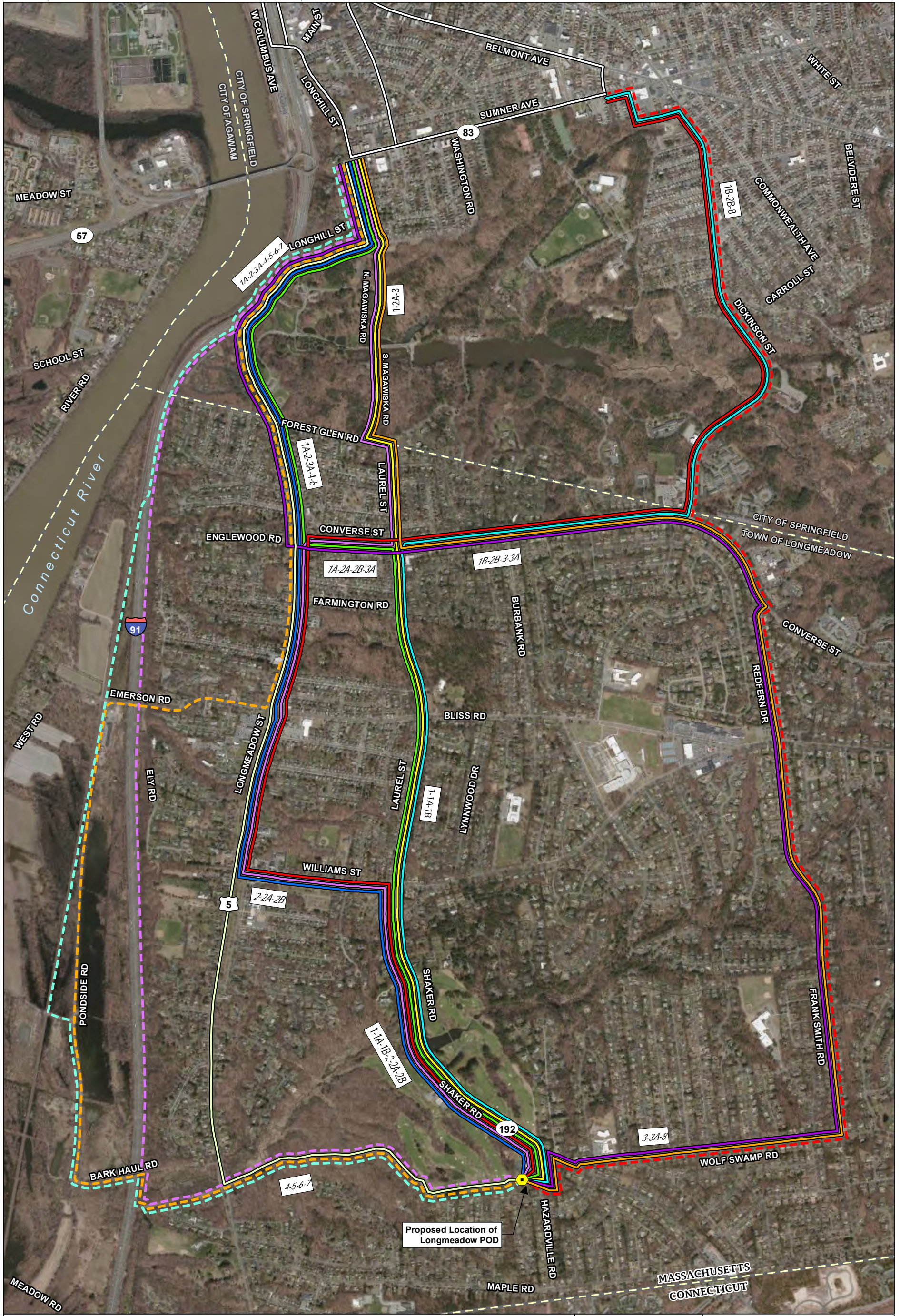
DRAWN BY: S. MOTURI PROJECT NO: 399616
CHECKED BY: C. MCELROY
APPROVED BY: N. LIBBY
DATE: NOVEMBER 2021

FIGURE 4-1

Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

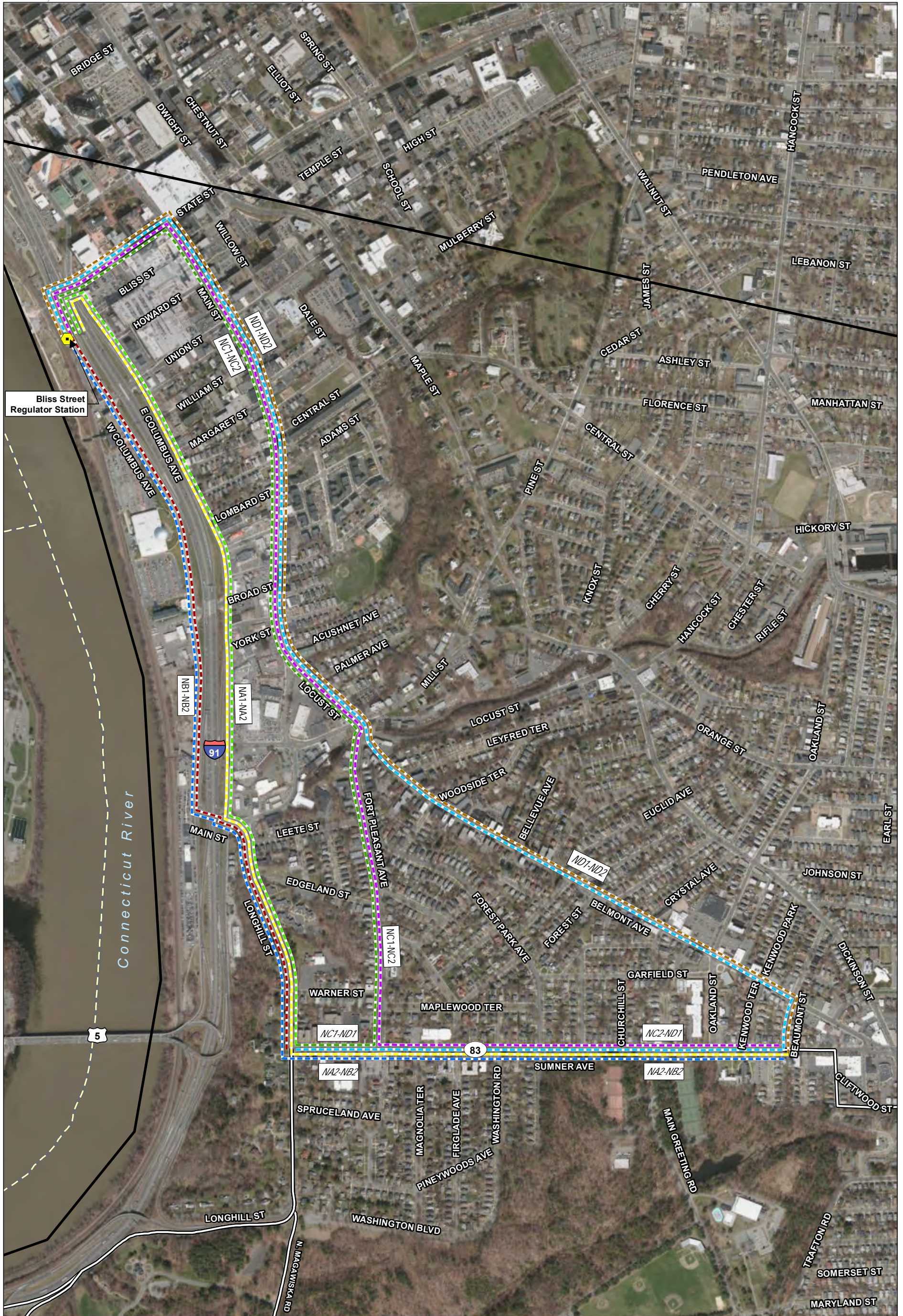


<ul style="list-style-type: none"> Route Alternative 1 Route Alternative 1A Route Alternative 1B Route Alternative 2 Route Alternative 2A Route Alternative 2B Route Alternative 3 Route Alternative 3A Route Alternative 4 Route Alternative 5 Route Alternative 6 Route Alternative 7 Route Alternative 8 Route Alternative NA1 Route Alternative NA2 Route Alternative NB1 Route Alternative NB2 Route Alternative NC1 Route Alternative NC2 Route Alternative ND1 Route Alternative ND2 	<ul style="list-style-type: none"> Regulator Station Study Area Town Boundary 	<p>0 1,000 2,000 Feet</p> <p>1:24,000 1 Inch = 2,000 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Primary Siting Constraints Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO.: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: NOVEMBER 2021</p> <p>FIGURE 4-2</p> <p>TRC Wanalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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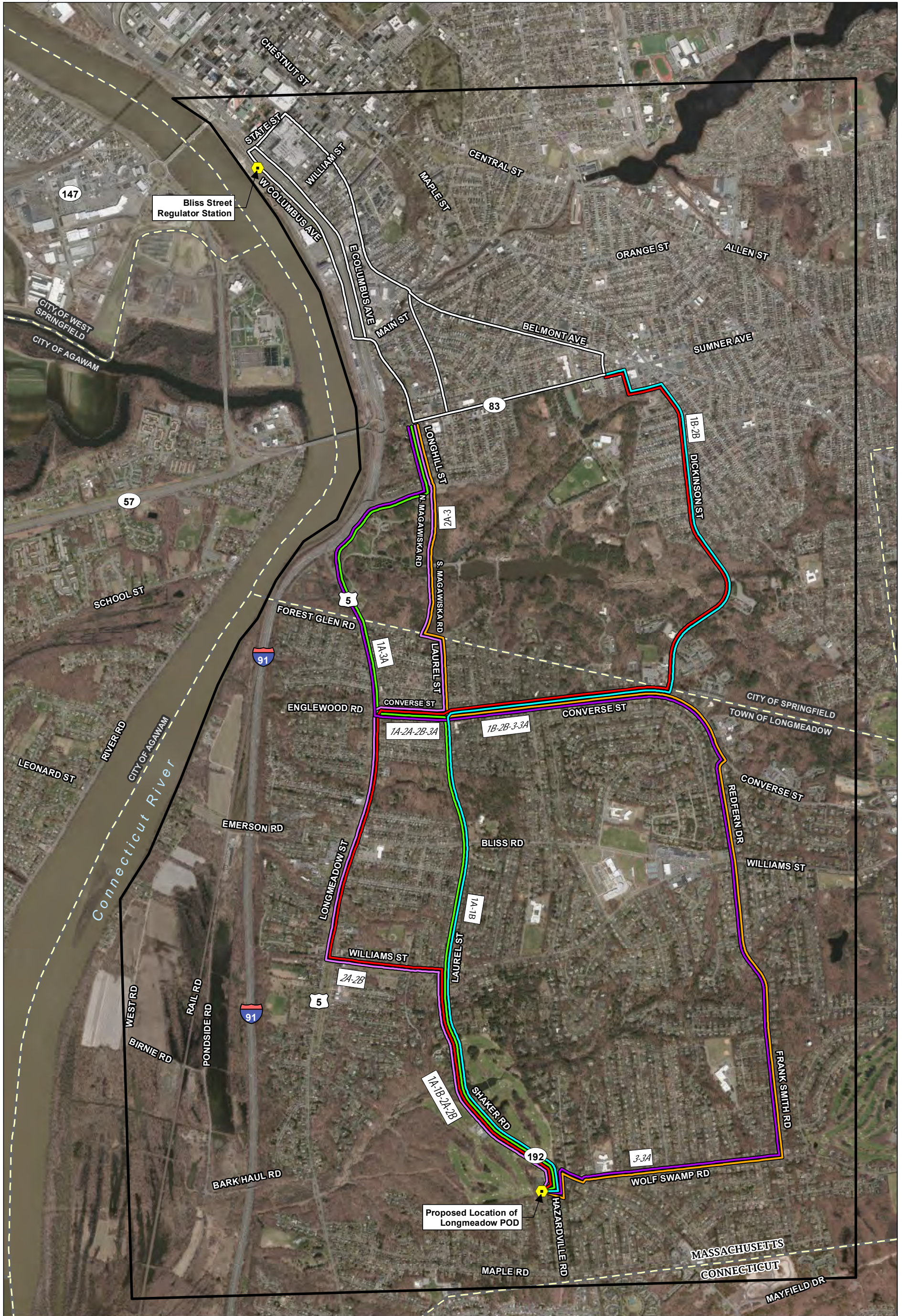


<ul style="list-style-type: none"> — Route Alternative 1 — Route Alternative 1A — Route Alternative 1B — Route Alternative 2 — Route Alternative 2A — Route Alternative 2B — Route Alternative 3 — Route Alternative 3A — Route Alternative 4 — Route Alternative 5 — Route Alternative 6 — Route Alternative 7 — Route Alternative 8 — Northern Route Variations 	<ul style="list-style-type: none"> Regulator Station Town Boundary 	<p>0 750 1,500 Feet</p> <p>1:18,000 1 Inch = 1,500 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Southern Alternative Routes Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-3</p>
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Note: Routes are graphically enhanced for better illustration
 Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020

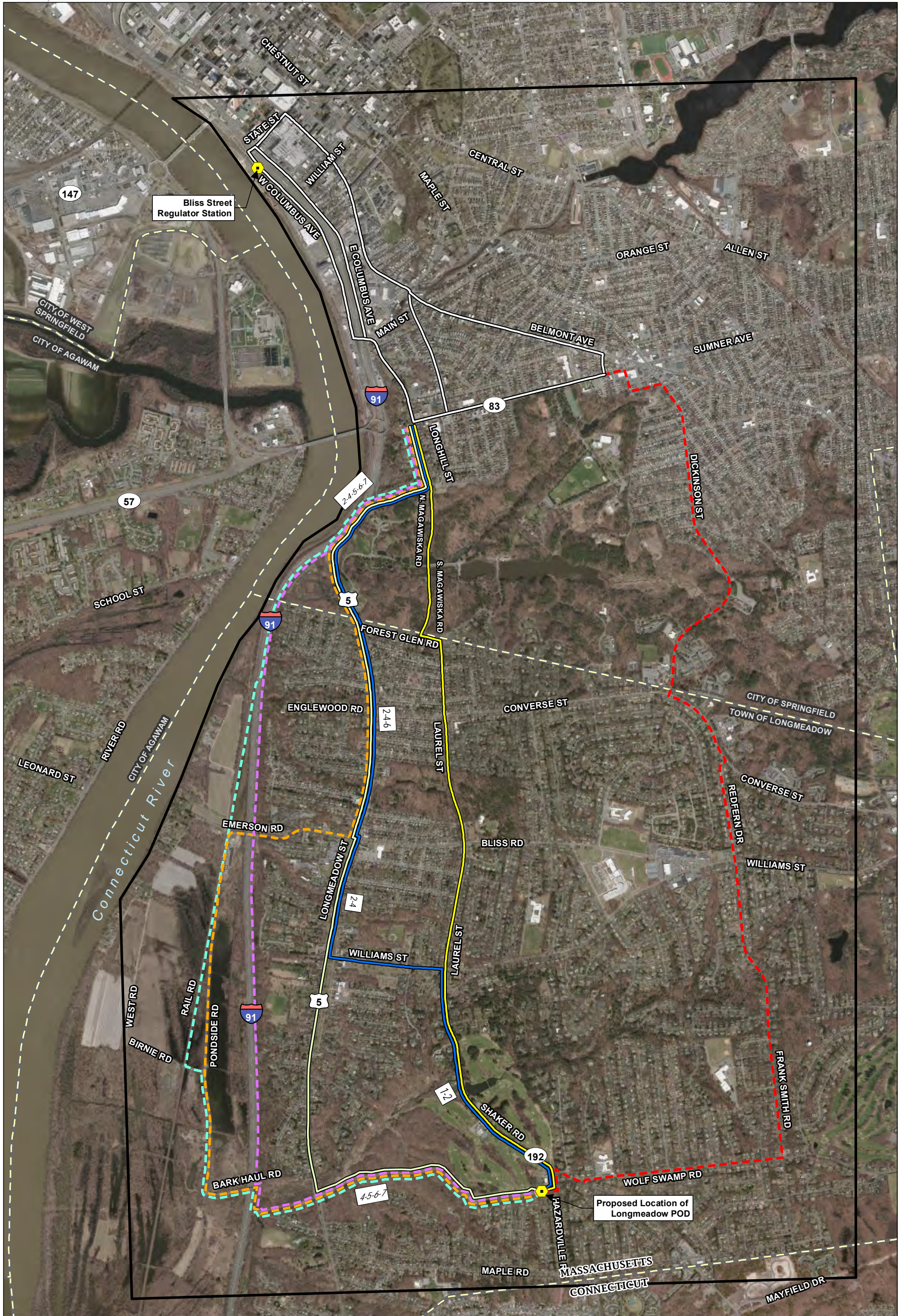


<ul style="list-style-type: none"> Regulator Station Southern Route Variations Route Alternative NA1 Route Alternative NA2 Route Alternative NB1 Route Alternative NB2 Route Alternative NC1 Route Alternative NC2 Route Alternative ND1 Route Alternative ND2 Study Area Town Boundary 	<p>Note: Routes are graphically enhanced for better illustration. Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020</p>		<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Northern Alternative Routes Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO.: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: NOVEMBER 2021</p> <p>FIGURE 4-3A</p>		<p>TRC</p> <p>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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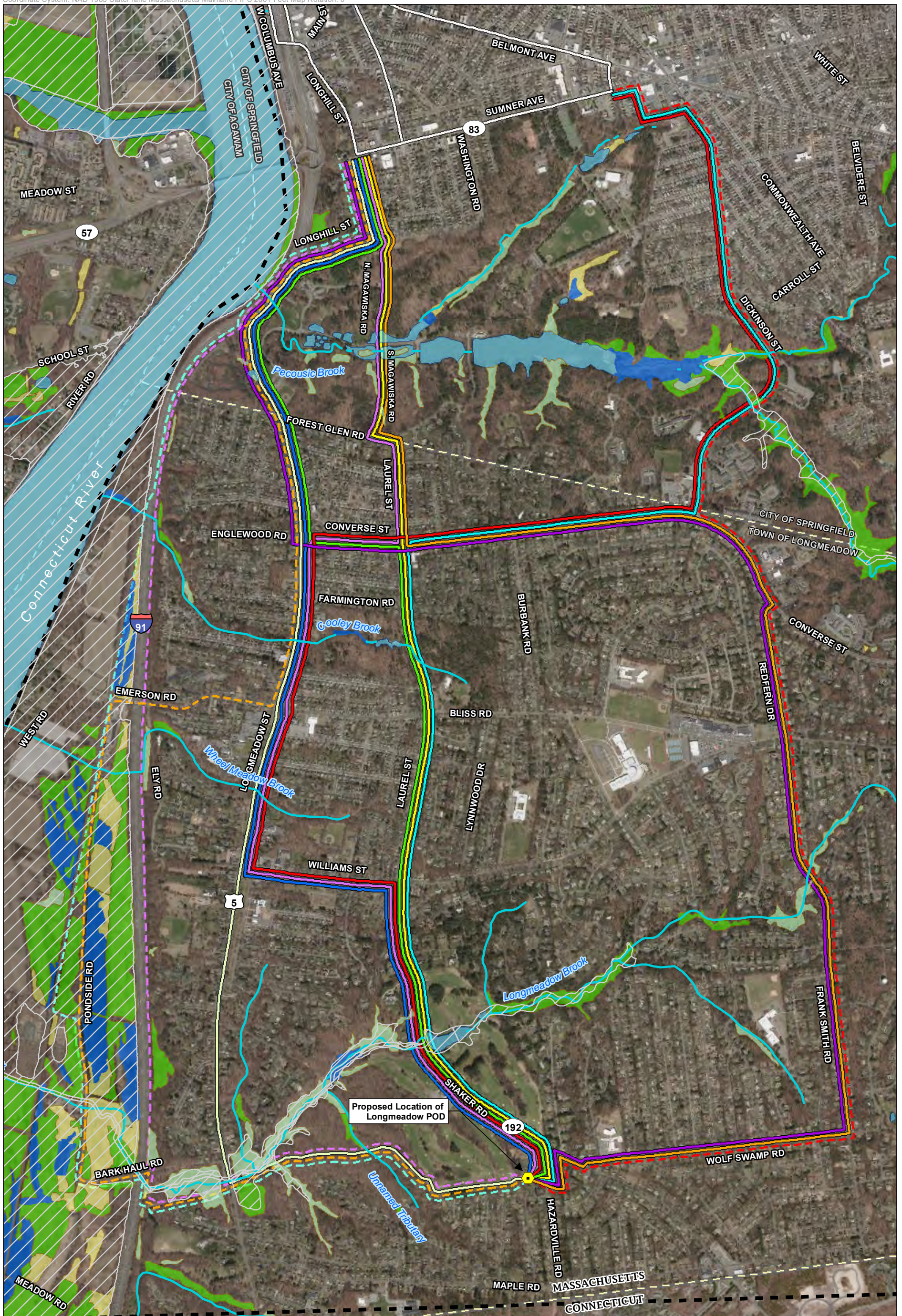
<ul style="list-style-type: none"> — Route Alternative 1A — Route Alternative 1B — Route Alternative 2A — Route Alternative 2B — Route Alternative 3 — Route Alternative 3A — Northern Route Variations 	<ul style="list-style-type: none"> ● Regulator Station Study Area Town Boundary 	<p>0 1,000 2,000 Feet 1:24,000 1 Inch = 2,000 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Map of Southern Alternative Routes - Reduced in Number for Clarity (no. 1 of 2) Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616 CHECKED BY: C. MCELROY APPROVED BY: J. BRANDT DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-4</p> <p>TRC Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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Note: Routes are graphically enhanced for better illustration
Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020

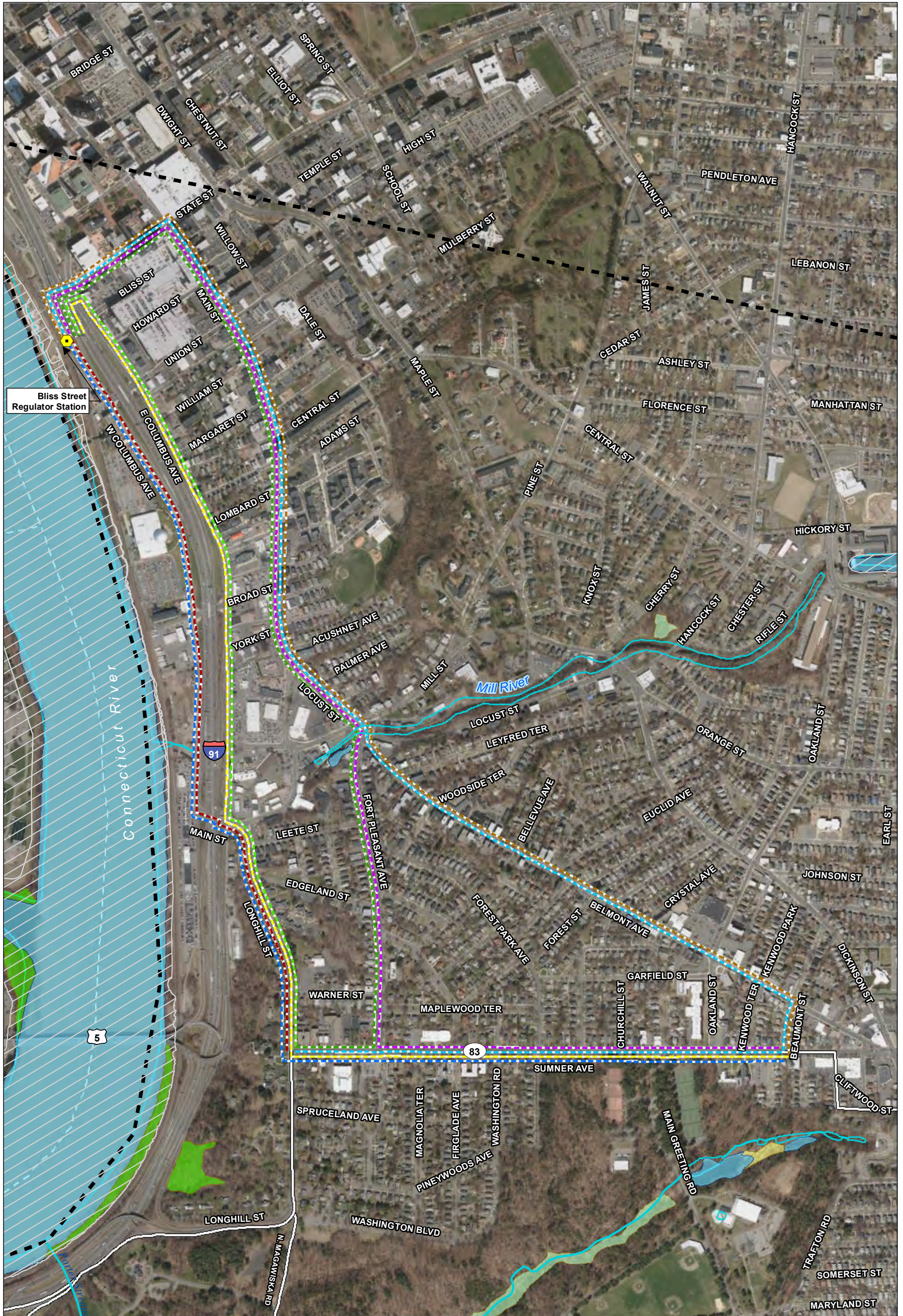


<ul style="list-style-type: none"> — Route Alternative 1 — Route Alternative 2 — Route Alternative 4 — Route Alternative 5 — Route Alternative 6 — Route Alternative 7 — Route Alternative 8 - - - Northern Route Variations 	<ul style="list-style-type: none"> ● Regulator Station Study Area Town Boundary 	<div style="text-align: center;"> </div> <div style="text-align: center;"> </div>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Map of Southern Alternative Routes - Reduced in Number for Clarity (no. 2 of 2) Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO.: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: NOVEMBER 2021</p> <p>FIGURE 4-5</p>
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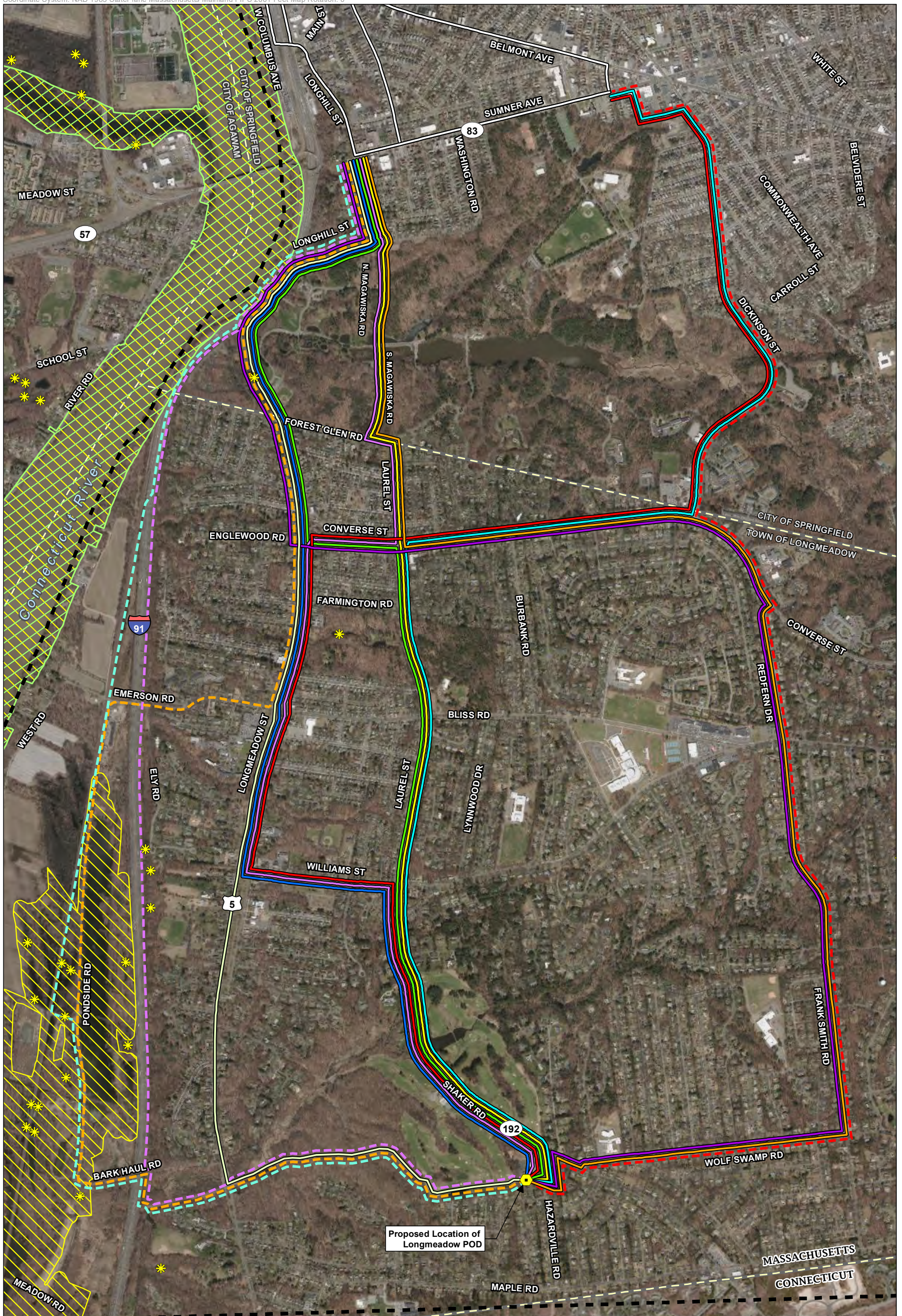
Note: Routes are graphically enhanced for better illustration
 Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



<ul style="list-style-type: none"> Route Alternative 1 Route Alternative 1A Route Alternative 1B Route Alternative 2 Route Alternative 2A Route Alternative 2B Route Alternative 3 Route Alternative 3A Route Alternative 4 Route Alternative 5 Route Alternative 6 Route Alternative 7 Route Alternative 8 Northern Route Variations 	<ul style="list-style-type: none"> Special Flood Hazard Area (100-Year Flood) DEP Perennial Stream (25k) DEP Wetlands (12k) Deep Marsh Open Water Marsh Meadow or Fen Shrub Swamp Wooded Swamp Deciduous Regulator Station Study Area Town Boundary Note: Routes are graphically enhanced for better illustration 	<p>0 750 1,500 Feet</p> <p>1:18,000 1 Inch = 1,500 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Southern Route Variations MassDEP Wetlands and Streams Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: NOVEMBER 2021</p> <p>FIGURE 4-6</p> <p>TRC Wanalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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<ul style="list-style-type: none"> Route Alternative NA1 Route Alternative NA2 Route Alternative NB1 Route Alternative NB2 Route Alternative NC1 Route Alternative NC2 Route Alternative ND1 Route Alternative ND2 Southern Route Variations 	<ul style="list-style-type: none"> Special Flood Hazard Area (100-Year Flood) DEP Perennial Stream (25k) DEP Wetlands (12k) Open Water Marsh Meadow or Fen Shrub Swamp Wooded Swamp Deciduous 	<ul style="list-style-type: none"> Regulator Station Study Area Town Boundary 	<p>0 400 800 Feet</p> <p>1:9,000 1 Inch = 800 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Northern Route Variations MassDEP Wetlands and Streams Springfield and Longmeadow, MA</p> <p>FIGURE 4-6A</p> <p>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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<ul style="list-style-type: none"> — Route Alternative 1 — Route Alternative 1A — Route Alternative 1B — Route Alternative 2 — Route Alternative 2A — Route Alternative 2B — Route Alternative 3 — Route Alternative 3A — Route Alternative 4 — Route Alternative 5 — Route Alternative 6 — Route Alternative 7 — Route Alternative 8 — Northern Route Variations 	<ul style="list-style-type: none"> ▨ NHESP Estimated Habitats of Rare Wildlife ▨ NHESP Priority Habitats of Rare Species ⬢ Regulator Station ✱ Potential Vernal Pool Study Area Town Boundary 	<p>0 750 1,500 Feet</p> <p>1:18,000 1 Inch = 1,500 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Southern Route Variations Rare Species Habitat Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-7</p>
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Note: Routes are graphically enhanced for better illustration.
Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

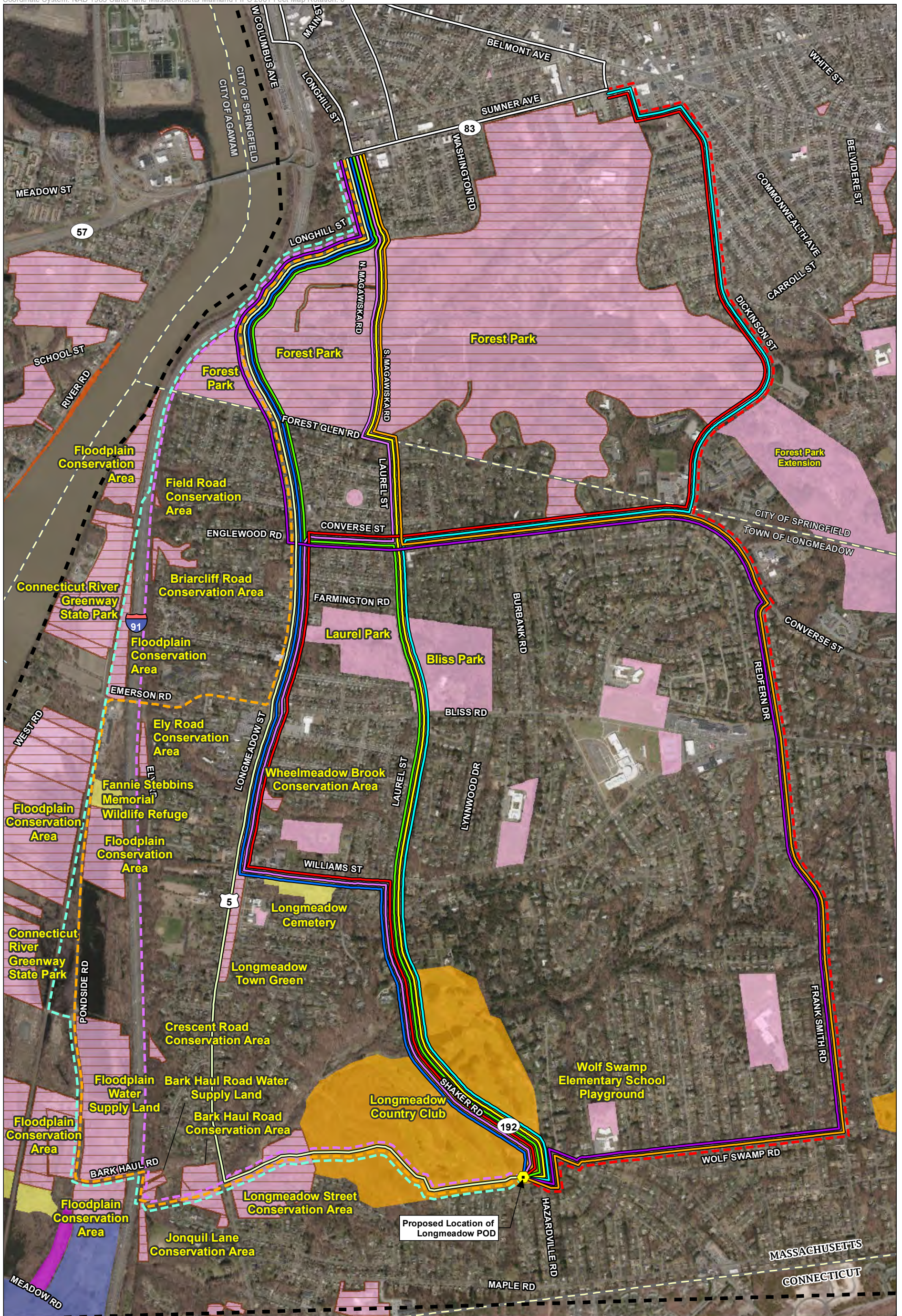


<ul style="list-style-type: none"> Route Alternative NA1 Route Alternative NA2 Route Alternative NB1 Route Alternative NB2 Route Alternative NC1 Route Alternative NC2 Route Alternative ND1 Route Alternative ND2 	<ul style="list-style-type: none"> Southern Route Variations NHEP Estimated Habitats of Rare Wildlife NHEP Priority Habitats of Rare Species Regulator Station Study Area Town Boundary 		<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Northern Route Variations Rare Species Habitat Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-7A</p>
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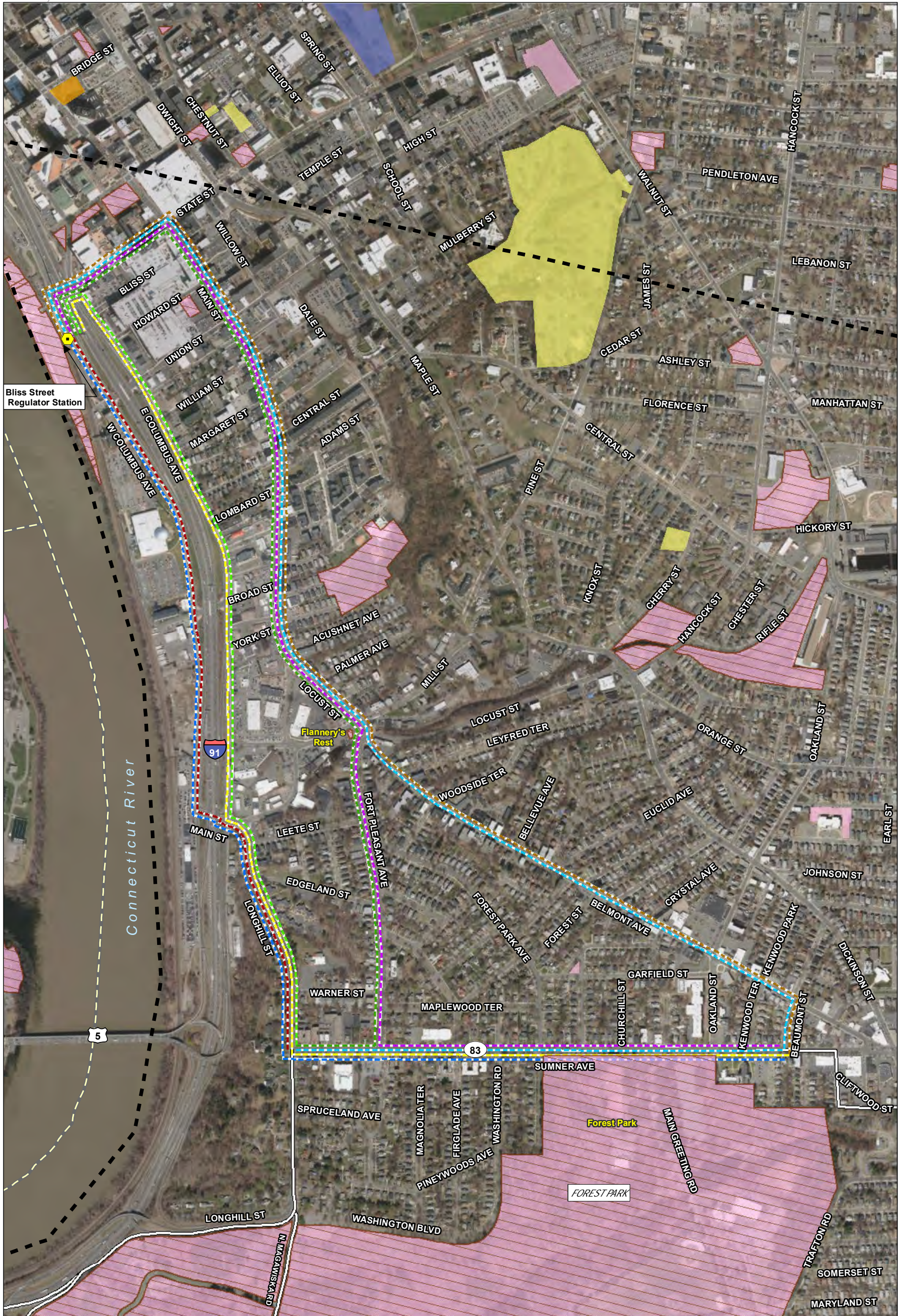
Note: Routes are graphically enhanced for better illustration
 Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854

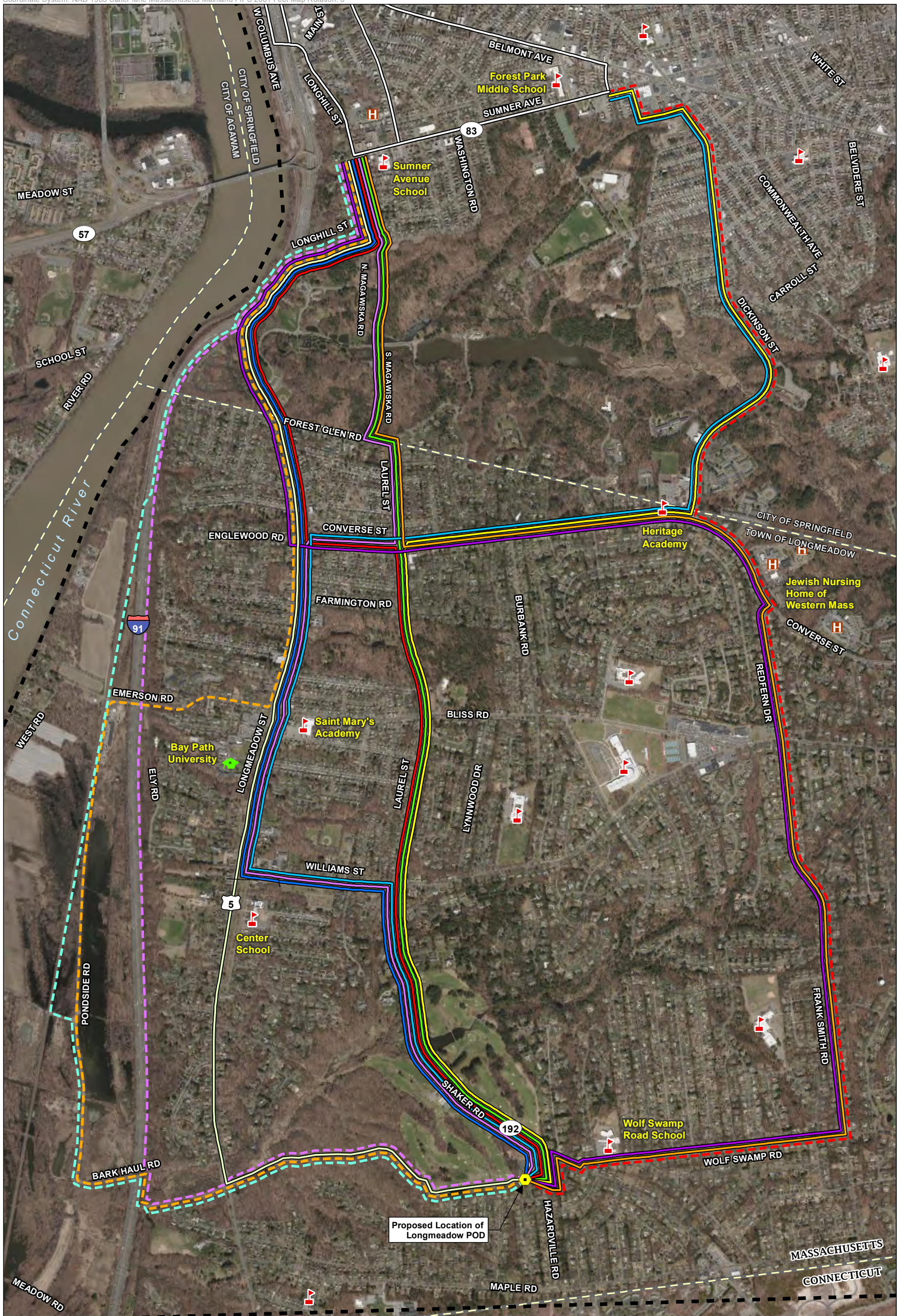


<ul style="list-style-type: none"> — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative 	<ul style="list-style-type: none"> — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Northern Route Variations 	<ul style="list-style-type: none"> Article 97 Land Regulator Station Study Area Town Boundary <p>Note: Routes are graphically enhanced for better illustration</p>	<p>Protected Open Space and Recreational Land</p> <ul style="list-style-type: none"> Federal Commonwealth of Massachusetts Municipal Land Trust Non-Profit Private 	<p>0 750 1,500 Feet</p> <p>1:18,000 1 Inch = 1,500 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Southern Route Variations Open Space and Article 97 Lands Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: NOVEMBER 2021</p> <p>FIGURE 4-8</p>
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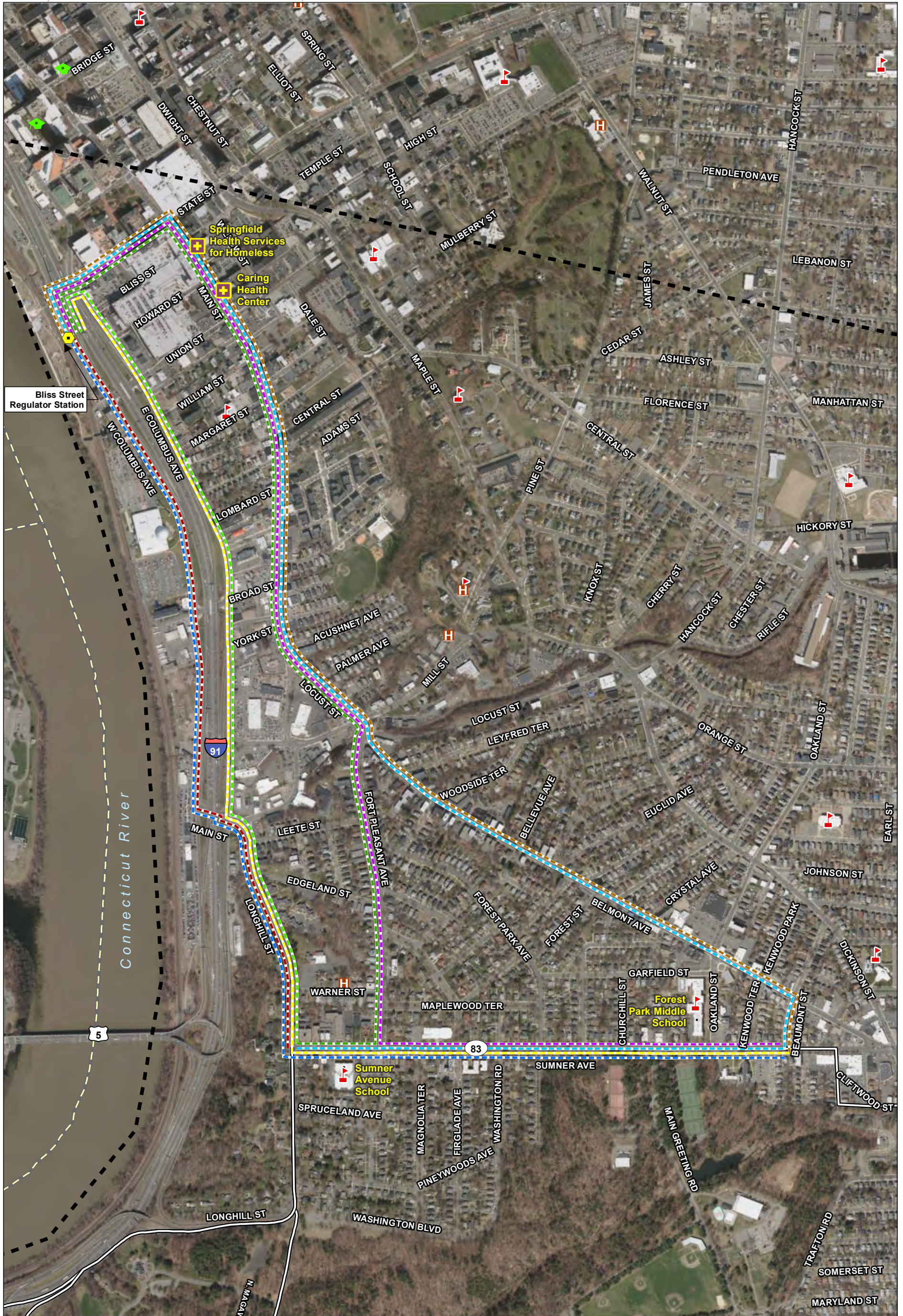
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Note: Routes are graphically enhanced for better illustration
 Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



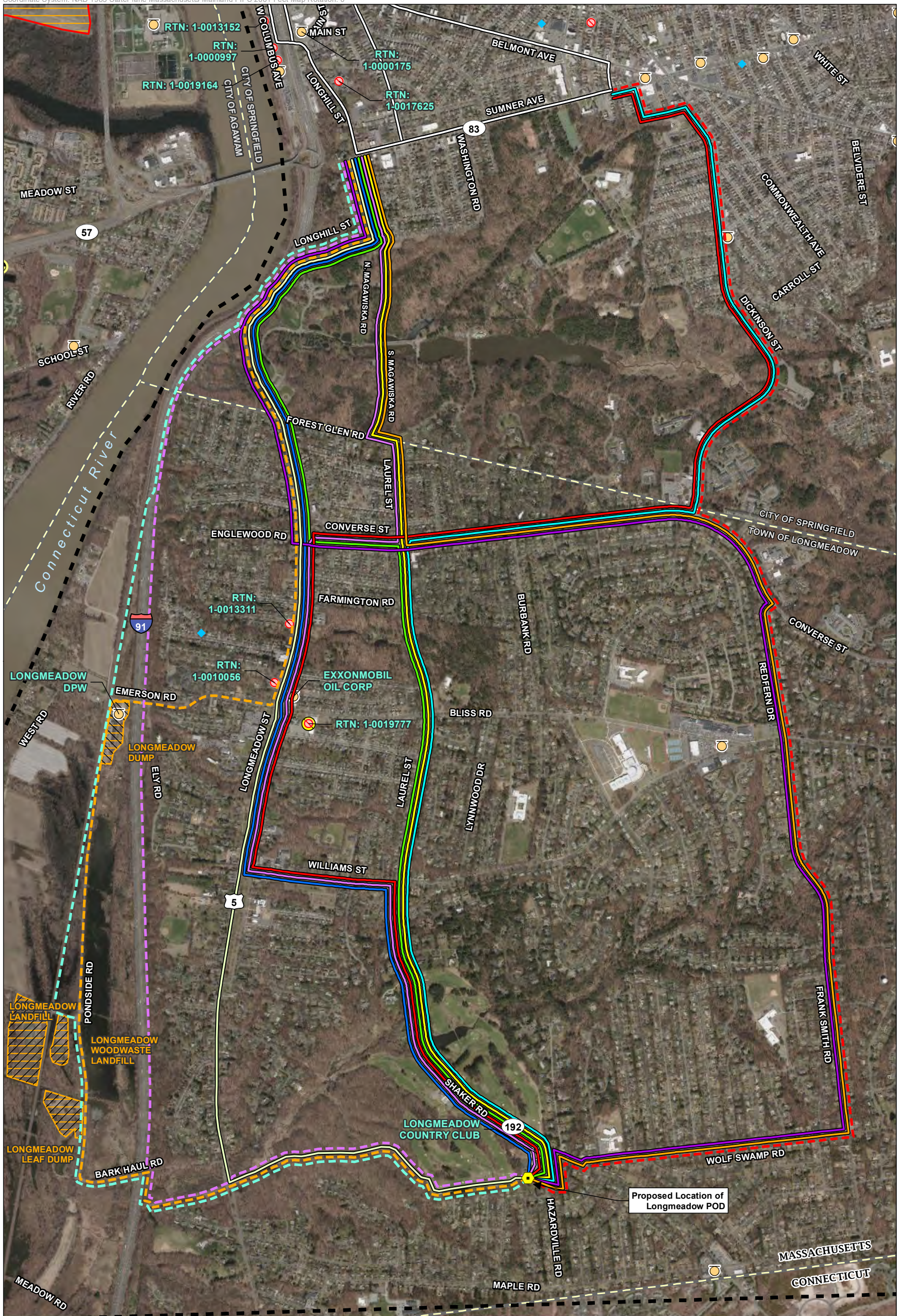
<ul style="list-style-type: none"> — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Northern Route Variations 	<ul style="list-style-type: none"> — Route Alternative — Route Alternative — Route Alternative — Route Alternative — Route Alternative - - - Route Alternative — Northern Route Variations 	<p>Sensitive Receptors</p> <ul style="list-style-type: none"> ▬ Schools (Pre-K through High School) ▬ Colleges and Universities H Long Term Care Residences 	<ul style="list-style-type: none"> ● Regulator Station Study Area Town Boundary 	<p>0 750 1,500 Feet</p> <p>1:18,000 1 Inch = 1,500 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Southern Route Variations Sensitive Receptors Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-9</p>
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Note: Routes are graphically enhanced for better illustration
Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



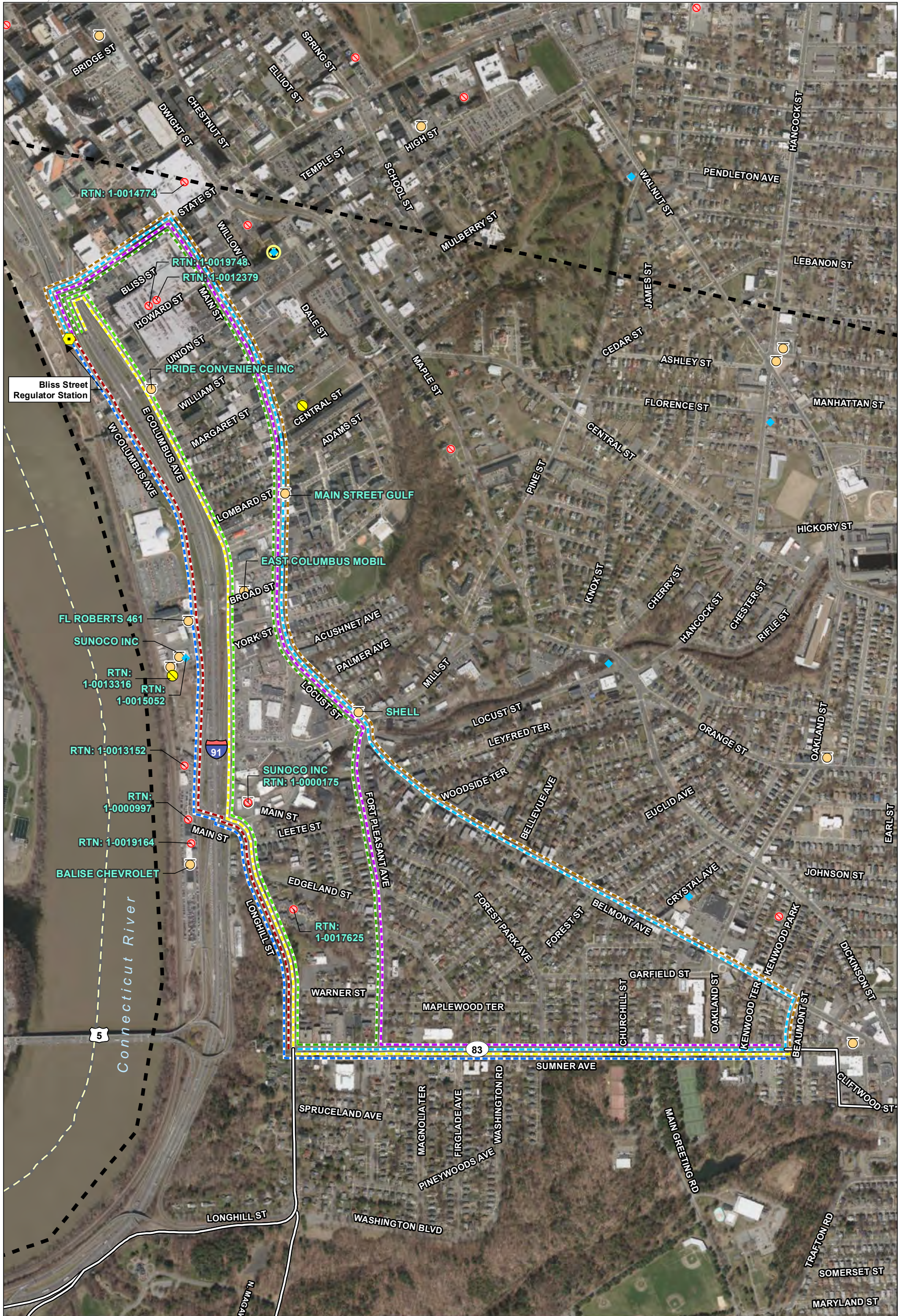
<ul style="list-style-type: none"> --- Route Alternative --- Route Alternative --- Route Alternative --- Route Alternative --- Route Alternative --- Route Alternative --- Route Alternative --- Route Alternative Southern Route Variations 	<p>Sensitive Receptors</p> <ul style="list-style-type: none"> ▲ Schools (Pre-K through High School) ▲ Colleges and Universities H Long Term Care Residences + Community Health Center 	<ul style="list-style-type: none"> ● Regulator Station Study Town Boundary 	<p>0 400 800 Feet 1:9,000 1 Inch = 800 Feet</p> <p>VT NH NY RI MA CT</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Northern Route Variations Sensitive Receptors Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-9A</p> <p>TRC Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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Note: Routes are graphically enhanced for better illustration
Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



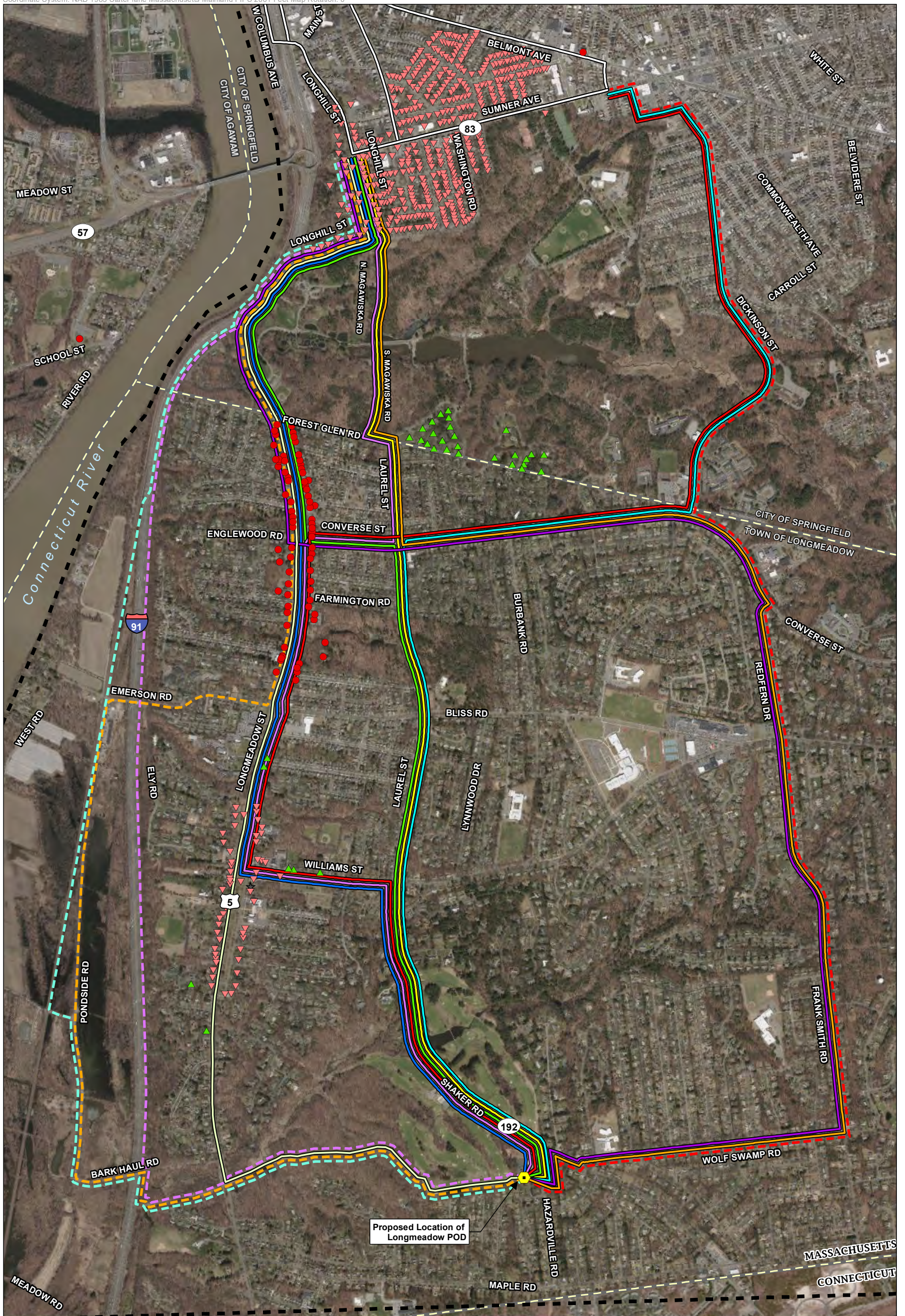
<ul style="list-style-type: none"> Route Alternative 1 Route Alternative 1A Route Alternative 1B Route Alternative 2 Route Alternative 2A Route Alternative 2B Route Alternative 3 Route Alternative 3A Route Alternative 4 Route Alternative 5 Route Alternative 6 Route Alternative 7 Route Alternative 8 Northern Route Variations 	<p>Subsurface Contaminants</p> <ul style="list-style-type: none"> Underground Storage Tanks Activity and Use Limitations <p>Chapter 21E Regulated Status</p> <ul style="list-style-type: none"> TIER I TIER II TIER1D 	<ul style="list-style-type: none"> Solid Waste Landfill BWP Landfills by Status Active Inactive Closed Regulator Station Study Area Town Boundary 	<p>0 750 1,500 Feet</p> <p>1:18,000 1 Inch = 1,500 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Southern Route Variations Subsurface Contamination Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: NOVEMBER 2021</p> <p>FIGURE 4-10</p> <p>TRC Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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Note: Routes are graphically enhanced for better illustration.
Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



<ul style="list-style-type: none"> Route Alternative NA1 Route Alternative NA2 Route Alternative NB1 Route Alternative NB2 Route Alternative NC1 Route Alternative NC2 Route Alternative ND1 Route Alternative ND2 Southern Route Variations 	<p>Subsurface Contaminants</p> <ul style="list-style-type: none"> Underground Storage Tanks Activity and Use Limitations <p>Chapter 21E Regulated Status</p> <ul style="list-style-type: none"> TIER I TIER II TIER1D 	<ul style="list-style-type: none"> Regulator Station Study Area Town Boundary 	<p>0 400 800 Feet 1:9,000 1 Inch = 800 Feet</p> <p>VT NH NY RI Massachusetts CT</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Northern Route Variations Subsurface Contamination Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: NOVEMBER 2021</p> <p>FIGURE 4-10A</p>
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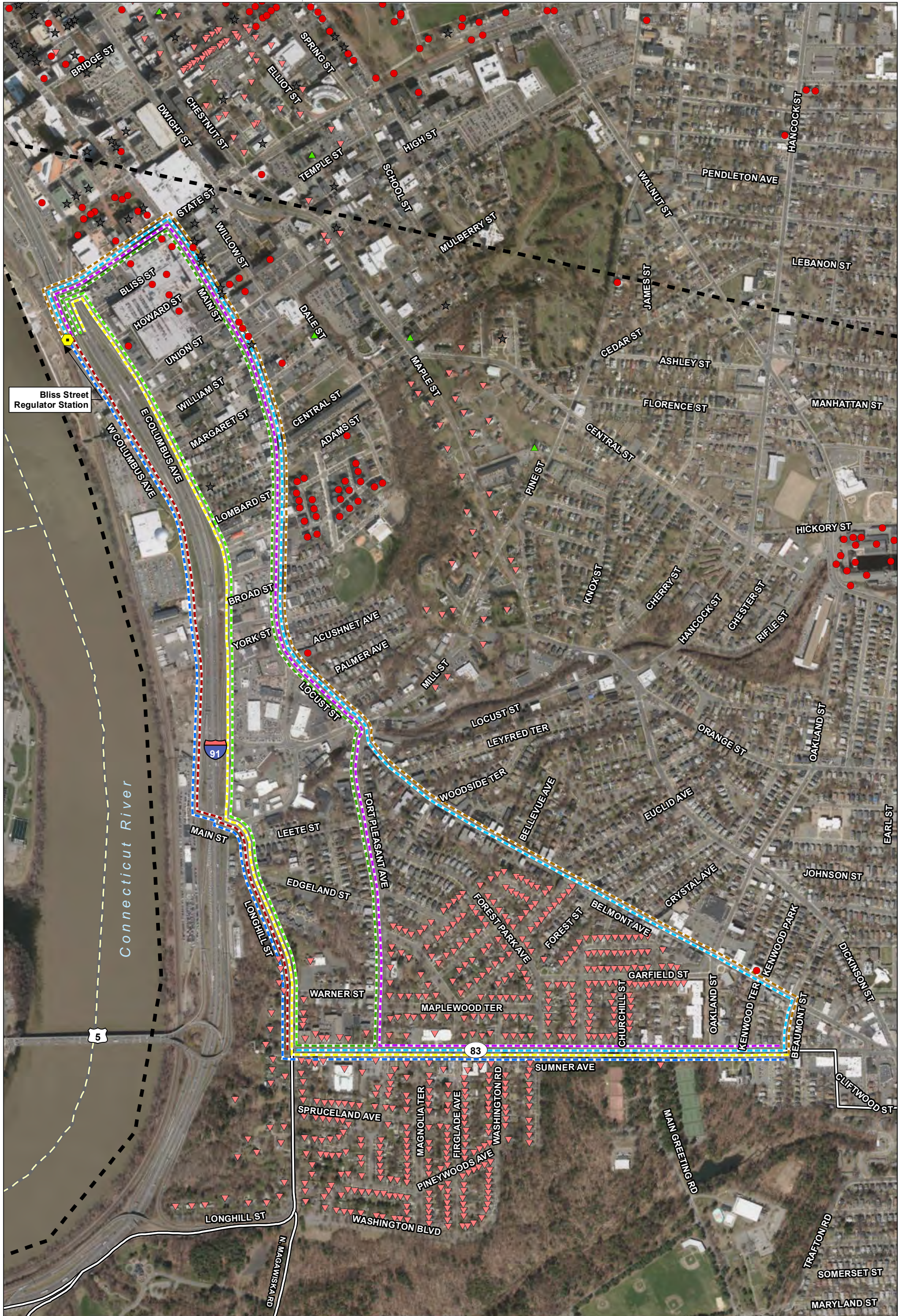
Note: Routes are graphically enhanced for better illustration
 Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020



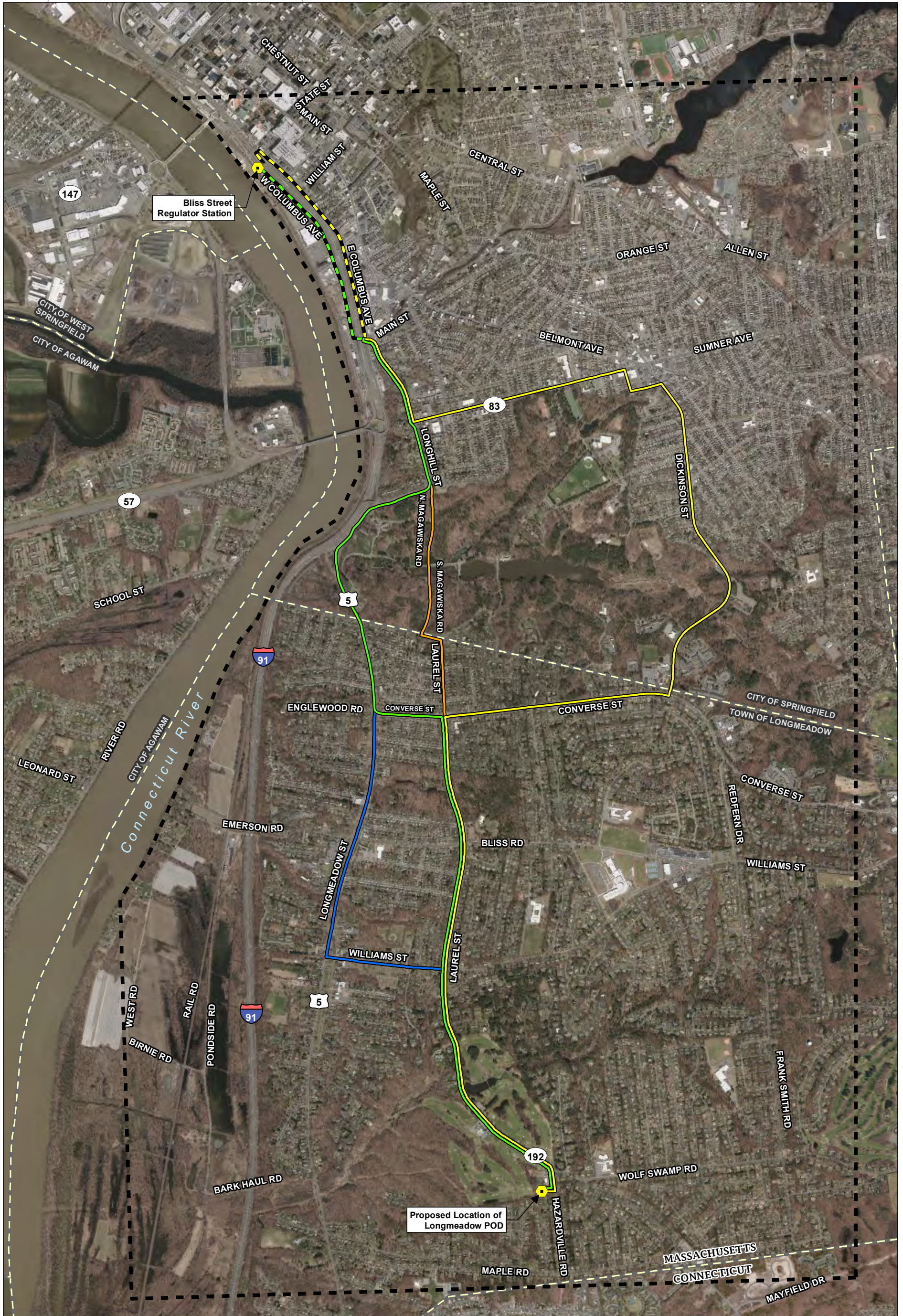
<ul style="list-style-type: none"> — Route Alternative 1 — Route Alternative 1A — Route Alternative 1B — Route Alternative 2 — Route Alternative 2A — Route Alternative 2B — Route Alternative 3 — Route Alternative 3A — Route Alternative 4 — Route Alternative 5 — Route Alternative 6 — Route Alternative 7 — Route Alternative 8 — Northern Route Variations 	<ul style="list-style-type: none"> ● Regulator Station Study Area Town Boundary <p>Massachusetts Historic Commission Inventory</p> <ul style="list-style-type: none"> ● National Register of Historic Places (NRHP) ★ Preservation Restriction ▲ Local Historic District (LHD) ▼ NRHP and LHD 	<p>Note: Routes are graphically enhanced for better illustration</p>	<p>0 750 1,500 Feet</p> <p>1:18,000 1 Inch = 1,500 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Southern Route Variations Historic Resources Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-11</p>
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Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854



<ul style="list-style-type: none"> --- Route Alternative NA1 --- Route Alternative NA2 --- Route Alternative NB1 --- Route Alternative NB2 --- Route Alternative NC1 --- Route Alternative NC2 --- Route Alternative ND1 --- Route Alternative ND2 Southern Route Variations 	<ul style="list-style-type: none"> ● Regulator Station Study Area Town Boundary <p>Massachusetts Historic Commission Inventory</p> <ul style="list-style-type: none"> ● National Register of Historic Places (NRHP) ★ Preservation Restriction ▲ Local Historic District (LHD) ▼ NRHP and LHD 	<p style="text-align: center;">Note: Routes are graphically enhanced for better illustration</p> <p style="text-align: center;">Base Map: USGS Color Ortho Imagery, MassGIS 2019; Data Sources: MassGIS; TRC, 2020</p>	<div style="text-align: center;"> <p>0 400 800</p> <p>Feet</p> <p>1:9,000</p> <p>1 Inch = 800 Feet</p> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Northern Route Variations Historic Resources Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: NOVEMBER 2021</small></p> <p>FIGURE 4-11A</p>	<p>TRC</p> <p>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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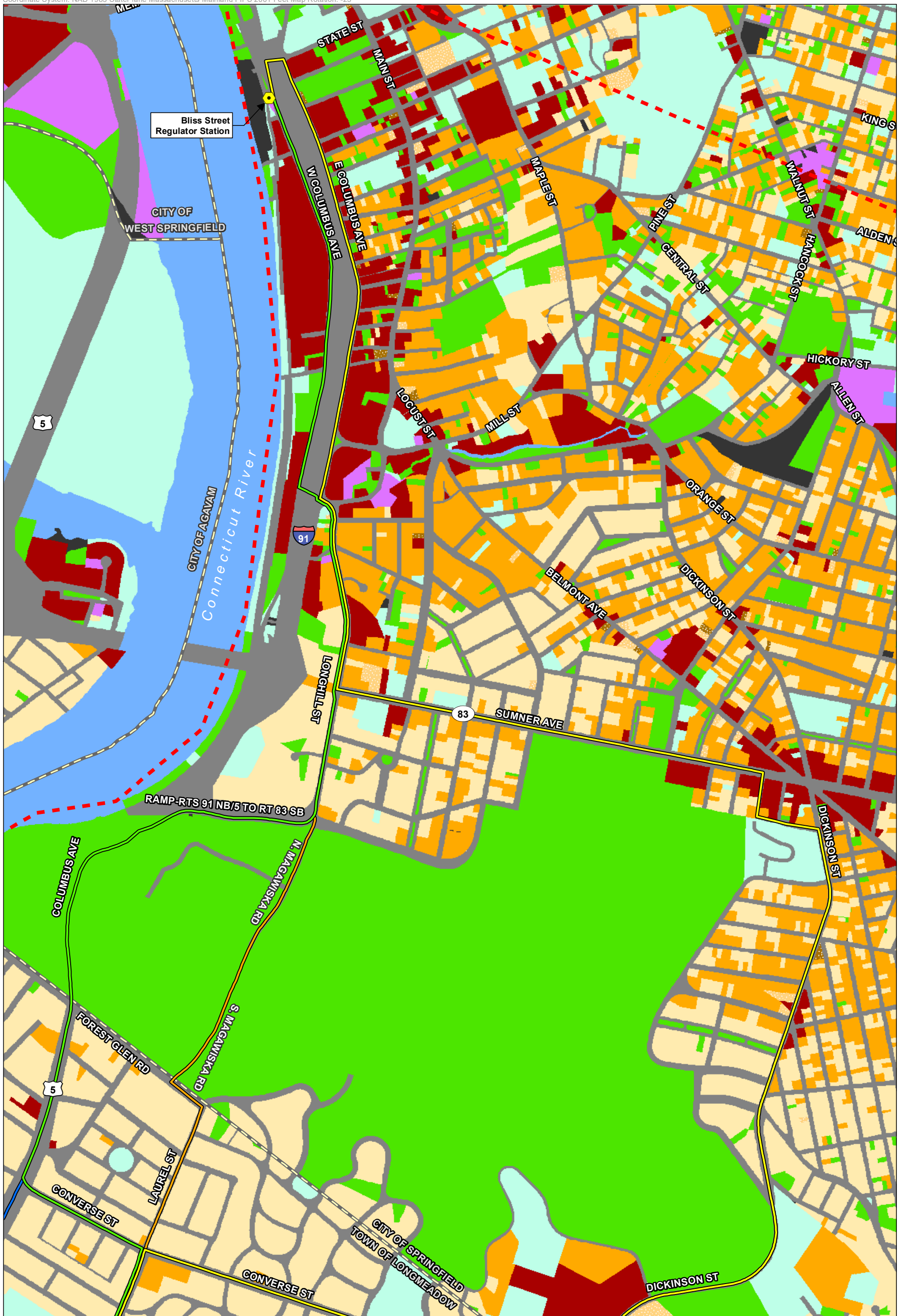


<ul style="list-style-type: none"> — Southern Preferred Route (Route 1A) — Southern Noticed Alternative (Route 1B) — Southern Noticed Variation to Preferred Route No. 1 (Route 2) — Southern Noticed Variation to Preferred Route No. 2 (Route 1) — Northern Preferred Route (Route NB1) — Northern Noticed Alternative (Route NA1) <p>Note: Routes are graphically enhanced for better illustration.</p>	<ul style="list-style-type: none"> Regulator Station Study Area Town Boundary 	<p>0 1,000 2,000 Feet</p> <p>1:24,000 1 Inch = 2,000 Feet</p>	<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: North and South Routes Preferred Route and Noticed Alternative Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616</small></p> <p><small>CHECKED BY: C. MCELROY</small></p> <p><small>APPROVED BY: J. BRANDT</small></p> <p><small>DATE: DECEMBER 2021</small></p> <p>FIGURE 4-12</p> <p> TRC</p> <p><small>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</small></p>
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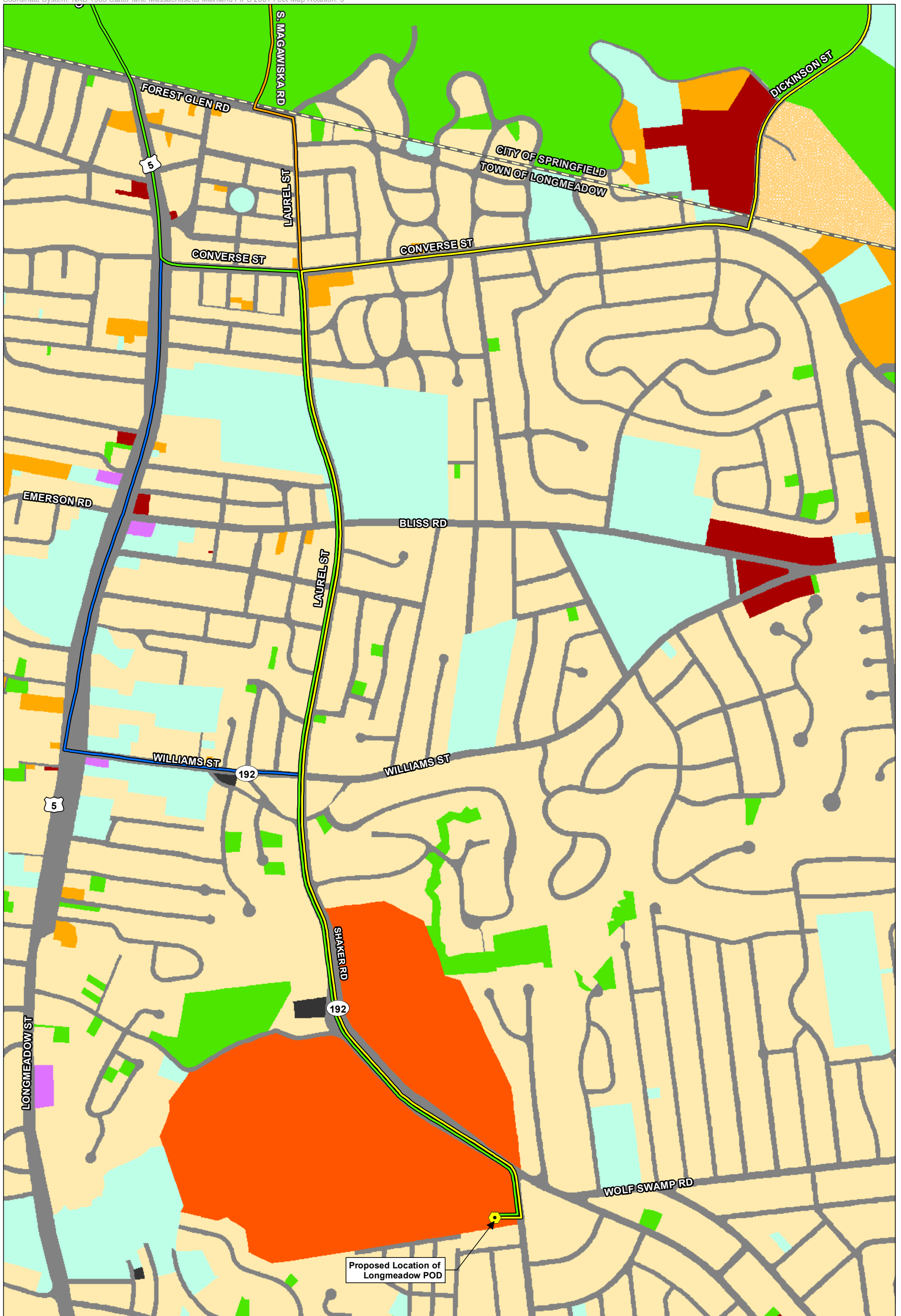
<ul style="list-style-type: none"> — Preferred Route (Route 1A & NB1) — Noticed Alternative (Route 1B & NA1) — Southern Noticed Variation to Preferred Route No. 1 (Route 2) — Southern Noticed Variation to Preferred Route No. 2 (Route 1) 	<ul style="list-style-type: none"> Regulator Station Study Area Town Boundary 		<p>PROJECT: Eversource Western Massachusetts Gas Reliability Project</p> <p>TITLE: Preferred Route, Variations and Noticed Alternative Springfield & Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO.: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: J. BRANDT</p> <p>DATE: DECEMBER 2021</p> <p>FIGURE 4-13</p> <p> TRC</p> <p>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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Note: Routes are graphically enhanced for better illustration.



<ul style="list-style-type: none"> Regulator Station Preferred Route (Route 1A & NB1) Noticed Alternative (Route 1B & NA1) Williams Street Variation to Preferred Route (Route 2) Forest Park Variation to Preferred Route (Route 1) 	<ul style="list-style-type: none"> Study Area Town Boundary <p>Land Use (2016)</p> <ul style="list-style-type: none"> Residential - Single Family Residential - Multi-Family Commercial Industrial <p>Note: Routes are graphically enhanced for better illustration.</p>	<ul style="list-style-type: none"> Mixed Use - Primarily Residential Mixed Use - Other Open land Right-of-way Tax exempt Unknown Water 		<p>0 500 1,000 Feet</p> <p>1:12,000 1 Inch = 1,000 Feet</p>	<p>PROJECT: Eversource Springfield-Longmeadow Reliability Project</p> <p>TITLE: Land Use Map Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: N. LIBBY</p> <p>DATE: JANUARY 2022</p> <p>FIGURE 5-1 SHEET 1</p> <p>TRC</p> <p>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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Base Map: Land Cover-Land Use (2016), MassGIS 2019; Data Sources: TRC, 2020



<ul style="list-style-type: none"> Regulator Station Preferred Route (Route 1A & NB1) Noticed Alternative (Route 1B & NA1) Williams Street Variation to Preferred Route (Route 2) Forest Park Variation to Preferred Route (Route 1) 	<ul style="list-style-type: none"> Study Area Town Boundary <p>Land Use (2016)</p> <ul style="list-style-type: none"> Residential - Single Family Residential - Multi-Family Commercial Industrial <p>Note: Routes are graphically enhanced for better illustration.</p>	<ul style="list-style-type: none"> Mixed Use - Primarily Residential Open land Recreation Right-of-way Tax exempt Unknown 		<p>0 500 1,000 Feet</p> <p>1:12,000 1 Inch = 1,000 Feet</p>	<p>PROJECT: Eversource Springfield-Longmeadow Reliability Project</p> <p>TITLE: Land Use Map Springfield and Longmeadow, MA</p> <p>DRAWN BY: S. MOTURI PROJECT NO: 399616</p> <p>CHECKED BY: C. MCELROY</p> <p>APPROVED BY: N. LIBBY</p> <p>DATE: JANUARY 2022</p> <p>FIGURE 5-1 SHEET 2</p> <p>TRC</p> <p>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854</p>
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<ul style="list-style-type: none"> — Preferred Route (Route 1A & NB1) — Noticed Alternative (Route 1B & NA1) — Williams Street Variation to Preferred Route No. 1 (Route 2) — Forest Park Variation to Preferred Route No. 2 (Route 1) 	<ul style="list-style-type: none"> ★ Regulator Station Study Area Town Boundary 	<p>0 1,000 2,000 Feet 1:24,000 1 Inch = 2,000 Feet</p>	<p>PROJECT: Eversource Springfield-Longmeadow Reliability Project</p> <p>TITLE: Bus Routes Springfield and Longmeadow, MA</p> <p><small>DRAWN BY: S. MOTURI PROJECT NO: 399616 CHECKED BY: J. BRANDT APPROVED BY: J. BRANDT DATE: JANUARY 2022</small></p>
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Note: Routes are graphically enhanced for better illustration.

Base Map: USGS Color Ortho Imagery, MassGIS 2019;
Data Sources: MassGIS; TRC, 2020, Interactive System Map, PVTA (Accessed 04/10/2021)

FIGURE 5-2

