

Whites Pond

R-90 SUFFIELD

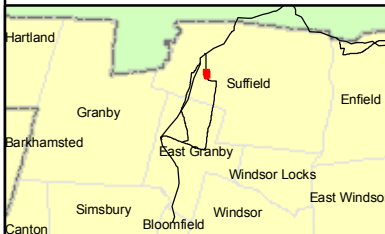
Mountain Rd

See Mapsheet 25 of 29

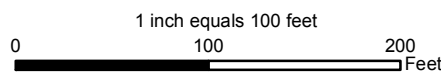
See Mapsheet 27 of 29



Index Map



- Existing Culvert
- Proposed Culvert
- Proposed 345-kV Line Structure
- Existing Line Structure to Remain
- Existing Line Structure To Be Removed
- Potential Transition Station
- Structure Location Envelope
- Natural Diversity Area
- Existing Transmission Line
- Proposed Transmission Line
- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Alternate Access Road
- Preferred Access Road
- 345-kV Underground Variation
- Wetland Boundary
- Wetland/Watercourse Buffer
- Watercourse
- Confirmed Vernal Pool
- Town Line
- Wetland Area
- 100 Year Flood Zone
- Property Line



Data Source: 2004 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008



Greater Springfield Reliability Project

State Route 168/187  
Underground Line  
Route Variation  
Mapsheet 26 of 29



Date: September 2008

**MAPSHEET 27 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 168/Mountain Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Conservation

**Future Land Use**

- Zoning (current);
  - Residential (R-90)
- Zoning (Plan of Development):
  - Residential (R-90)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Conservation

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-301, and W10-302
- Wetland Cover Type – Palustrine Forested Wetlands

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants

**Existing Ledge, Cut, and Fill**

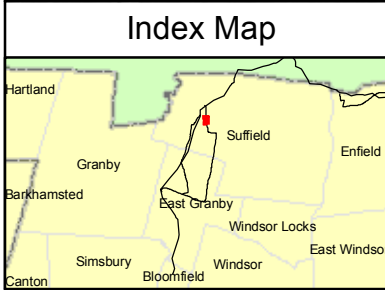
- Shallow to bedrock soils along Mountain Road extending approximately 500 feet south of Sunrise Park Cub Scout Day Camp northward to approximately 1,000 feet north of Phelps Road and Mountain Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Flat to rolling hills

**Roads (Aligned Within or Adjacent To)**

- State Route 168/Mountain Road, two lanes



<ul style="list-style-type: none"> <li> Existing Culvert</li> <li> Proposed Culvert</li> <li> Proposed 345-kV Line Structure</li> <li> Existing Line Structure to Remain</li> <li> Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li> Potential Transition Station</li> <li> Structure Location Envelope</li> <li> Natural Diversity Area</li> <li> Existing Transmission Line</li> <li> Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li> Right-of-Way (Existing)</li> <li> Right-of-Way (Expanded)</li> <li> Alternate Access Road</li> <li> Preferred Access Road</li> <li> 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li> Wetland Boundary</li> <li> Wetland/Watercourse Buffer</li> <li> Watercourse</li> <li> Confirmed Vernal Pool</li> <li> Town Line</li> </ul>	<ul style="list-style-type: none"> <li> Wetland Area</li> <li> 100 Year Flood Zone</li> <li> Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2004 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
 State Route 168/187  
 Underground Line Route Variation  
 Mapsheet 27 of 29



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 28 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 168/Mountain Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural
- Conservation

**Future Land Use**

- Zoning (current);
  - Residential (R-90)
- Zoning (Plan of Development):
  - Residential (R-90)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Agricultural, residential, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Conservation
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-302, W10-303, and W10-304
- Wetland Cover Type – Palustrine Forested Wetlands

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants

**Existing Ledge, Cut, and Fill**

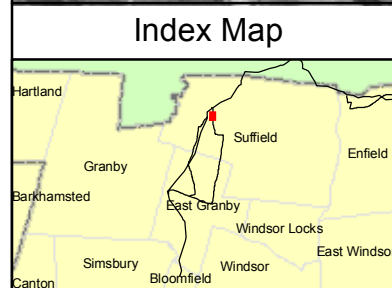
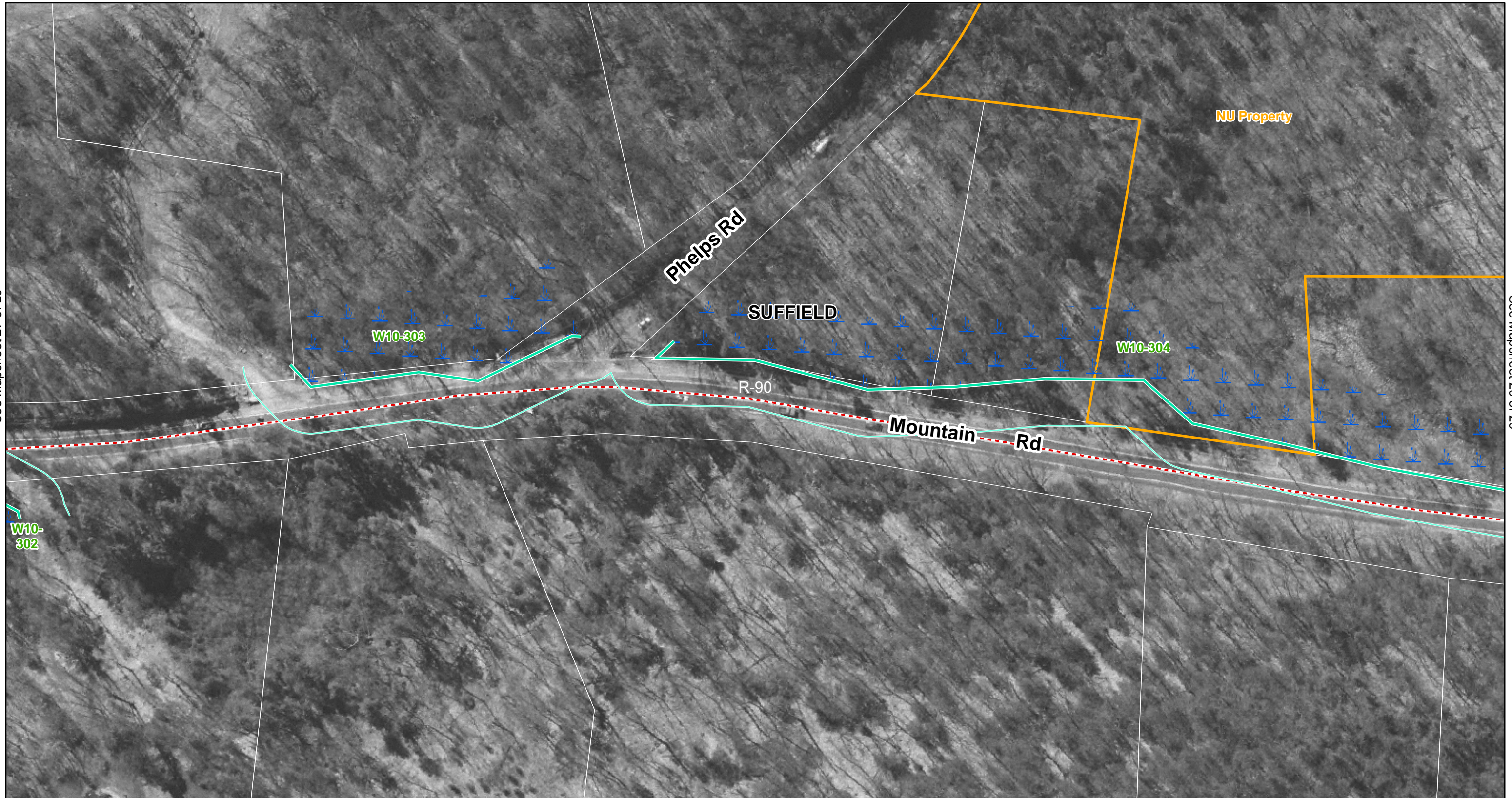
- Shallow to bedrock soils along Mountain Road extending northward to approximately 1,000 feet north of Phelps Road and Mountain Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Steep to rolling hills

**Roads (Aligned Within or Adjacent To)**

- State Route 168/Mountain Road, two lanes



<ul style="list-style-type: none"> <li> Existing Culvert</li> <li> Proposed Culvert</li> <li> Proposed 345-kV Line Structure</li> <li> Existing Line Structure to Remain</li> <li> Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li> Potential Transition Station</li> <li> Structure Location Envelope</li> <li> Natural Diversity Area</li> <li> Existing Transmission Line</li> <li> Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li> Right-of-Way (Existing)</li> <li> Right-of-Way (Expanded)</li> <li> Alternate Access Road</li> <li> Preferred Access Road</li> <li> 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li> Wetland Boundary</li> <li> Wetland/Watercourse Buffer</li> <li> Watercourse</li> <li> Confirmed Vernal Pool</li> <li> Town Line</li> </ul>	<ul style="list-style-type: none"> <li> Wetland Area</li> <li> 100 Year Flood Zone</li> <li> Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2004 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
 State Route 168/187  
 Underground Line  
 Route Variation  
 Mapsheet 28 of 29

**Connecticut Light & Power**  
The Northeast Utilities System

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**ENSR | AECOM**

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Date: September 2008

**MAPSHEET 29 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 168/Mountain Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Conservation

**Future Land Use**

- Zoning (current);
  - Residential (R-90)
- Zoning (Plan of Development):
  - Residential (R-90)

**Natural Systems**

- Unnamed stream
- Mixed hardwood and evergreen forest varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Agricultural, residential, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Conservation

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-304, W10-305, W10-306, and W10-307
- Wetland Cover Type – Palustrine Forested Wetlands

**Potential Access**

- Potential transition station can be accessed from State Route 168/Mountain Road

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Mountain Road extending northward to approximately 1,000 feet north of Phelps Road and Mountain Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Steep to rolling hills

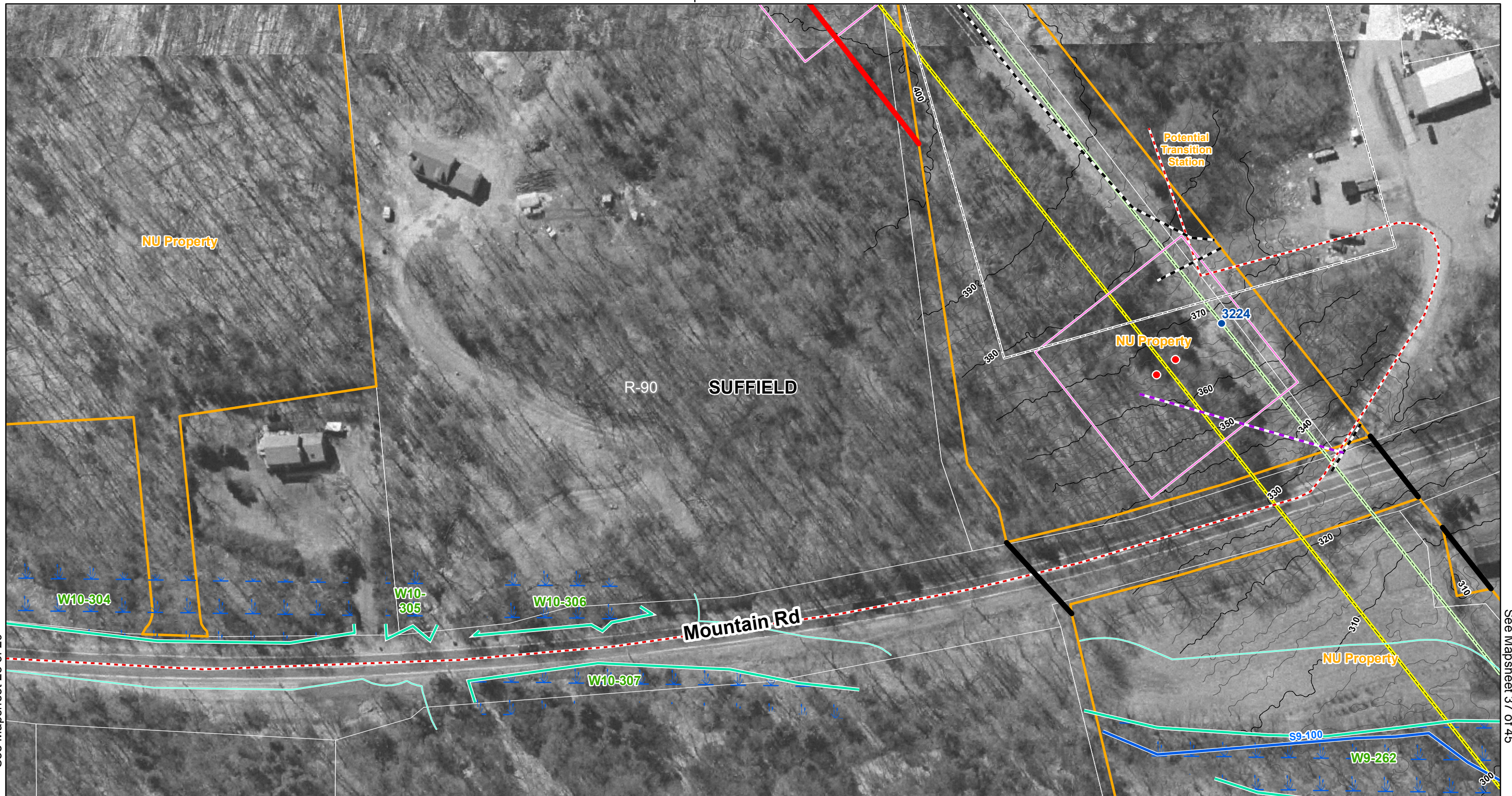
**Proposed Additional Clearing**

- Approximately 4 acres of clearing for a potential transition station

**Roads (Aligned Within or Adjacent To)**

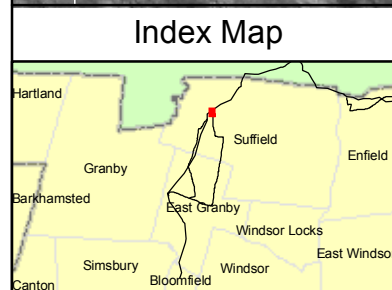
- State Route 168/Mountain Road, two lanes

*Note: Overhead Line Route description can be found on Mapsheet 37 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*



See Mapsheet 28 of 29

See Mapsheet 37 of 45



<ul style="list-style-type: none"> <li>Existing Culvert</li> <li>Proposed Culvert</li> <li>Proposed 345-kV Line Structure</li> <li>Existing Line Structure to Remain</li> <li>Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>Potential Transition Station</li> <li>Structure Location Envelope</li> <li>Natural Diversity Area</li> <li>Existing Transmission Line</li> <li>Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Right-of-Way (Existing)</li> <li>Right-of-Way (Expanded)</li> <li>Alternate Access Road</li> <li>Preferred Access Road</li> <li>345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>Wetland Boundary</li> <li>Wetland/Watercourse Buffer</li> <li>Watercourse</li> <li>Confirmed Vernal Pool</li> <li>Town Line</li> </ul>	<ul style="list-style-type: none"> <li>Wetland Area</li> <li>100 Year Flood Zone</li> <li>Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2004 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
 State Route 168/187  
 Underground Line  
 Route Variation  
 Mapsheet 29 of 29

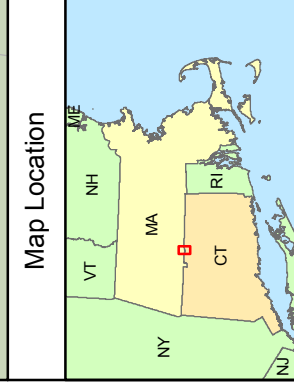
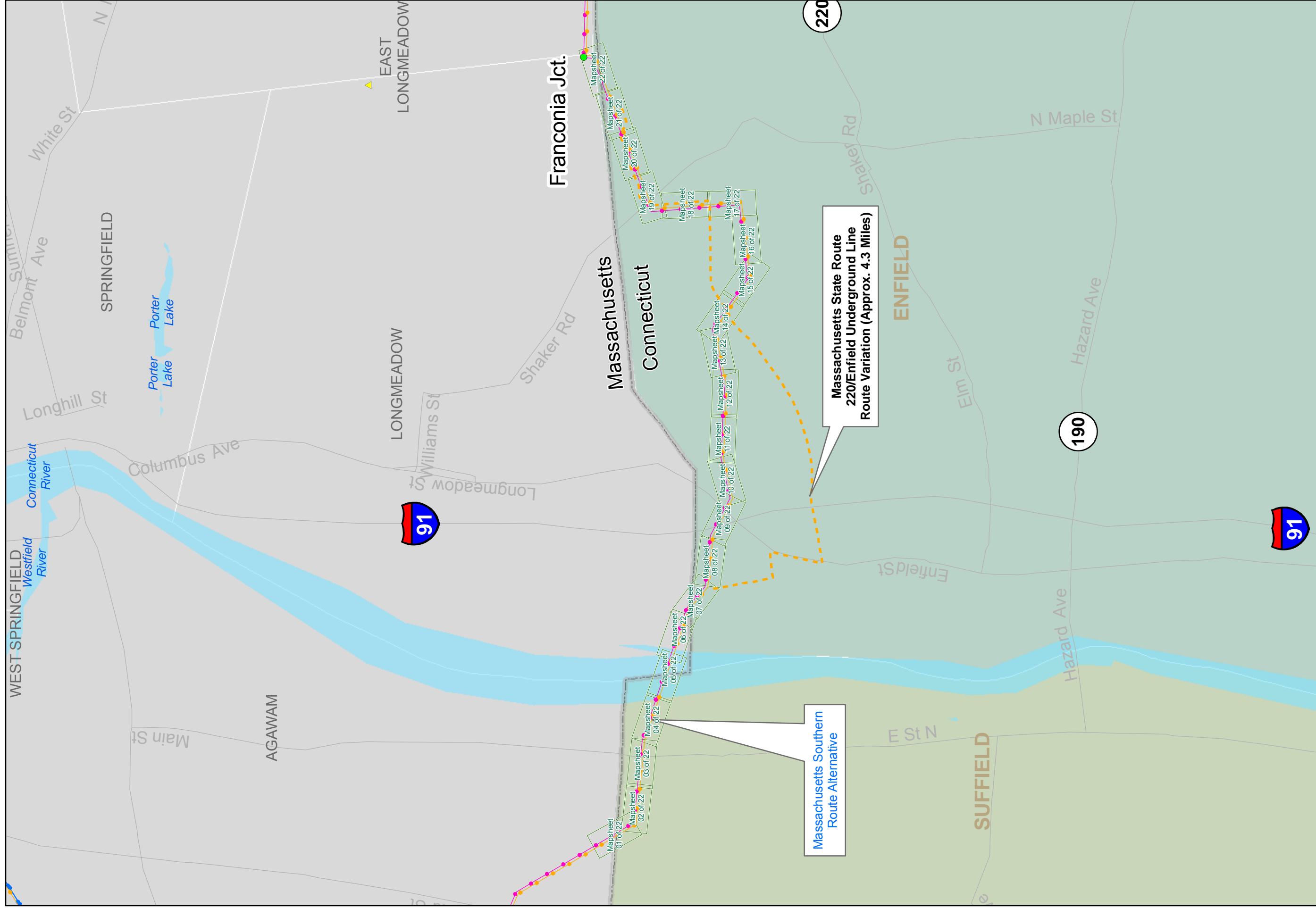
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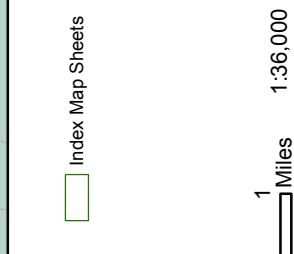
Date: September 2008







- Electric Transmission Routes**
- Massachusetts Southern Route Alternative
  - Underground Line
  - - - Route Variation
  - Existing 115-KV Line



Data Source: Burns & McDonnell Engineering, CT DEP, ENSR 2007

**Greater Springfield Reliability Project Index Map**

Connecticut

The Northeast Utilities System

Date: September 2008

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## **MAPSHEET 1 of 22:**

## **Massachusetts Southern Route Alternative Existing Structure Locations 22014 to 22016 Towns of Suffield, CT and Agawam, MA**

### **AREA DESCRIPTION**

#### **Existing Land Use**

- Agricultural
- Residential
- Open field-shrub

#### **Future Land Use**

- Town of Suffield
  - Zoning (current):
    - Residential (R-45)
  - Zoning (Plan of Development):
    - Residential districts

#### **Natural Systems**

- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

#### **Visual Character**

- Residential, commercial and agricultural

### **RIGHT-OF-WAY DESCRIPTION**

#### **Land Use**

- Agricultural southeast of structure 22016
- Forest

#### **Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-142, W8-143 and W8-144
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Confirmed Vernal Pool

#### **Potential Access**

- Structure 22014 can be accessed from either Andover Drive or State Route 75/Suffield Street
- Structures 22015-22016 can be accessed via local access roads from State Route 159/Mapleton Avenue

#### **Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

#### **Terrain**

- Hilly to flat

#### **Existing Right-of-Way Width**

- 300 feet

#### **Proposed Expansion of Right-of-Way Width**

- 0 feet

#### **Existing Cleared/Maintained Right-of-Way Width**

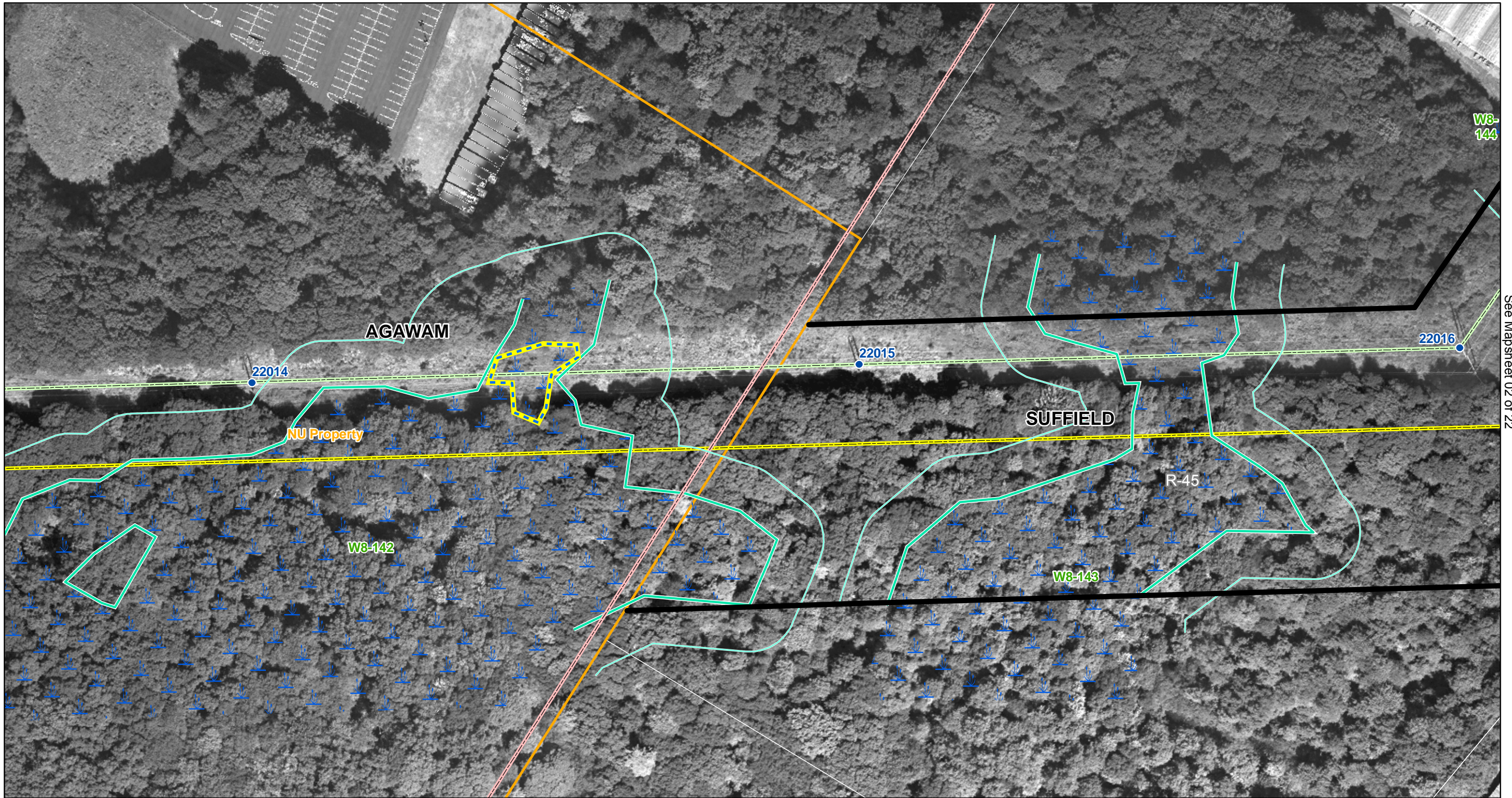
- 100 feet

#### **Proposed Additional Cleared Right-of-Way Width**

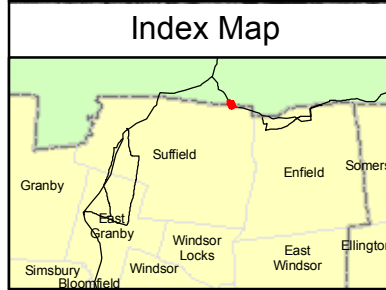
- 25-110 feet

#### **Road Crossings/Major Utility Crossings**

- None



See Mapsheet 02 of 22



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts Southern Route Alternative

Mapsheet 01 of 22



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

## MAPSHEET 2 of 22:

## Massachusetts Southern Route Alternative Existing Structure Locations 22016 to 22017 Town of Suffield, CT

### AREA DESCRIPTION

#### Existing Land Use

- Agricultural
- Open field-shrub

#### Future Land Use

- Zoning (current):
  - Residential (R-45)
- Zoning (Plan of Development):
  - Residential districts

#### Natural Systems

- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

#### Visual Character

- Residential, commercial and agricultural

### RIGHT-OF-WAY DESCRIPTION

#### Land Use

- Agricultural from structure 22016 to the east of structure 22017
- Forest

#### Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-143, and W8-144
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands

#### Potential Access

- Structures 22016-22017 can be accessed via local access roads from State Route 159/Mapleton Avenue

#### Right-of-Way Vegetation

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), Agricultural

#### Terrain

- Hilly to flat

#### Existing Right-of-Way Width

- 300 feet

#### Proposed Expansion of Right-of-Way Width

- 0 feet

#### Existing Cleared/Maintained Right-of-Way Width

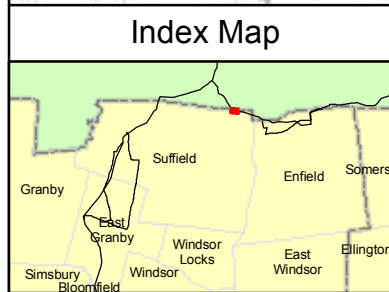
- 100 feet

#### Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

#### Road Crossings/Major Utility Crossings

- None



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>⋯ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield  
Reliability Project**


Massachusetts Southern  
Route Alternative

Mapsheet 02 of 22



**Connecticut  
Light & Power**  
The Northeast Utilities System

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Date: September 2008

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential
- Open field-shrub

**Future Land Use**

- Zoning (current):
  - Residential (R-45)
- Zoning (Plan of Development):
  - Residential districts

**Natural Systems**

- Fourmile Brook
- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

**Visual Character**

- Residential, commercial and agricultural

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Agricultural from west of structure 22018 to structure 22019, and adjacent to and between structures 22019 to the east of structure 22020
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-145, and W8-146
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Scrub-Shrub Wetlands, Open Water
- Stream No. S8-56 (Fourmile Brook)

**Potential Access**

- Structures 22018-22020 can be accessed via local access roads from State Route 159/Mapleton Avenue

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), Agricultural

**Terrain**

- Hilly to flat

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

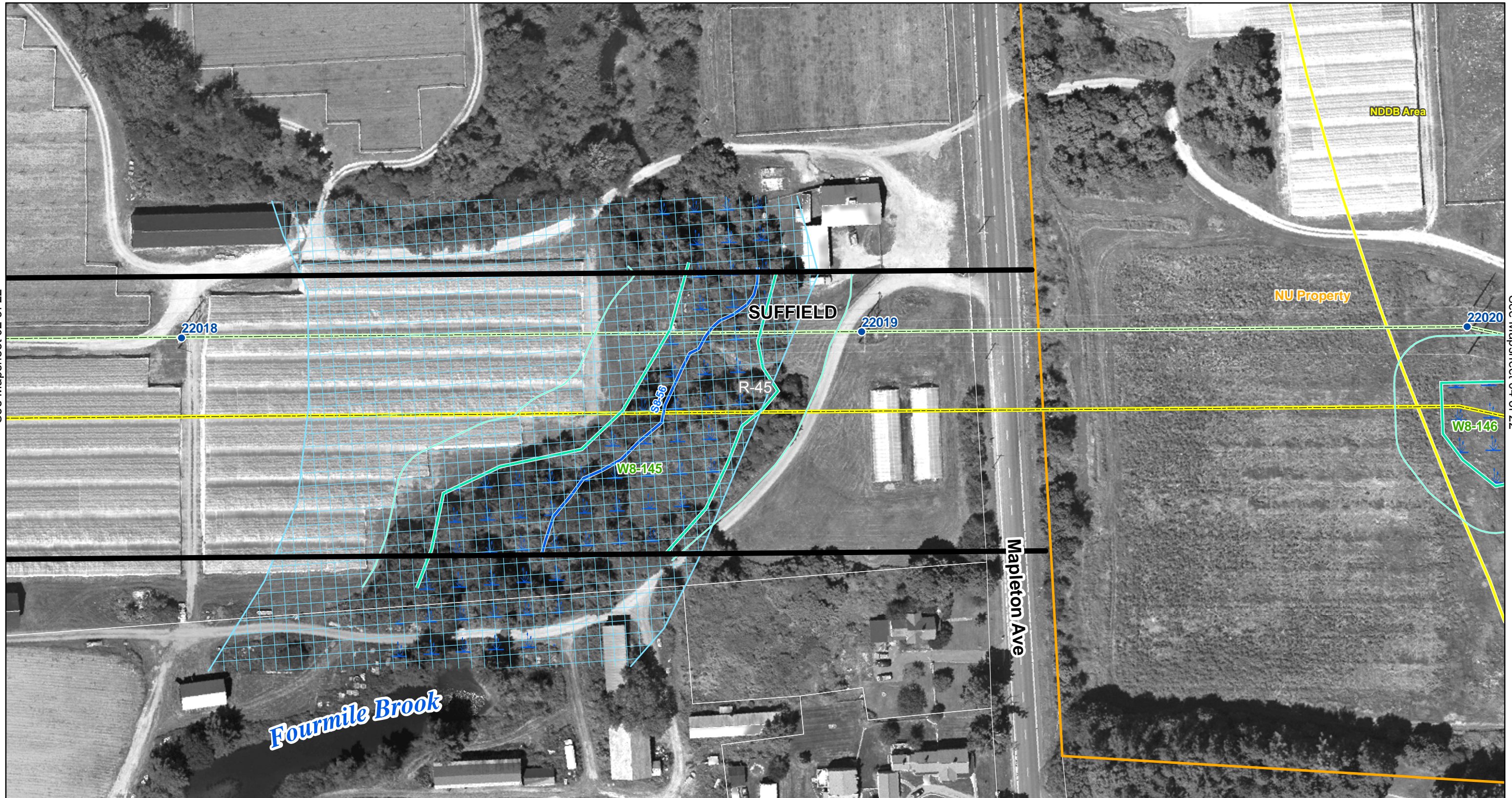
- 25-110 feet

**Road Crossings/Major Utility Crossings**

- State Route 159/Mapleton Avenue between structures 22019-22020

See Mapsheet 02 of 22

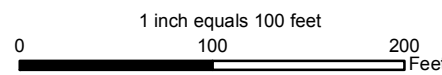
See Mapsheet 04 of 22



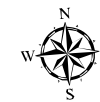
### Index Map



- Existing Line Structure to Remain
- Existing Line Structure To Be Removed
- Potential Transition Station
- ⊞ Natural Diversity Area
- Existing Transmission Line
- Proposed Transmission Line
- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- 345-kV Underground Variation
- Wetland Boundary
- Wetland/Watercourse Buffer
- Watercourse
- Confirmed Vernal Pool
- Town Line
- Wetland Area
- 100 Year Flood Zone
- Property Line



Data Source: 2007 Aerial Imagery;  
 CT DEP 2007; B&McD 2007-2008;  
 ENSR Survey 2007-2008



## Greater Springfield Reliability Project

Massachusetts Southern  
Route Alternative

Mapsheet 03 of 22



ENSR | AECOM

Date: September 2008

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential
- Open field-shrub

**Future Land Use**

- Zoning (current):
  - Residential (R-45)

**Natural Systems**

- Connecticut River
- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

**Visual Character**

- Agricultural, residential and forest

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Agricultural adjacent to and between structures 22020-22021
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-146 , W8-147, and W8-148,
- Wetland Cover Types- Palustrine Forested Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S8-57, and S8-58 (Connecticut River)

**Potential Access**

- Structures 22020-22021 can be accessed from State Route 159/Mapleton Avenue

**Right-of-Way Vegetation**

- Upland and Wetland Forest (in un-cleared portion of right-of-way), Agricultural

**Terrain**

- Flat between structures 22020- 22021
- Moderate to steep slopes adjacent to structure 22021

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

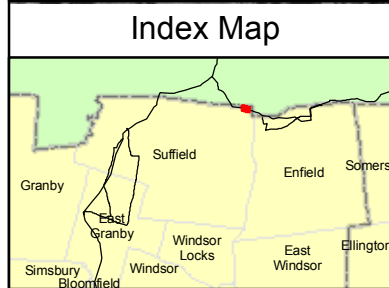
**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

- None





<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts Southern Route Alternative

Mapsheet 04 of 22

 <p><b>Connecticut Light &amp; Power</b> The Northeast Utilities System</p>

<p>Date: September 2008</p>

## **MAPSHEET 5 of 22:**

## **Massachusetts Southern Route Alternative Existing Structure Locations 22021 to 22022 (Connecticut River Crossing) Towns of Suffield, CT and Longmeadow, MA**

### **AREA DESCRIPTION**

#### **Existing Land Use**

- Town of Suffield
  - Forested
- Town of Longmeadow
  - Forested

#### **Future Land Use**

- Town of Suffield
  - Zoning (current):
    - Residential (R-45)
- Town of Longmeadow
  - Zoning (current):
    - None

#### **Natural Systems**

- Connecticut River
- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

#### **Visual Character**

- Forest and open water

### **RIGHT-OF-WAY DESCRIPTION**

#### **Land Use**

- Forest

#### **Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-148, W8-148A, and W8-148B
- Wetland Cover Type- Palustrine Forested Wetlands
- Stream Nos. S8-58 (Connecticut River)
- Open Water

#### **Potential Access**

- None needed

#### **Right-of-Way Vegetation**

- Upland and Wetland Forest (in un-cleared portion of right-of-way)

#### **Terrain**

- Primarily water associated with the Connecticut River crossing

#### **Existing Right-of-Way Width**

- 300 feet

#### **Proposed Expansion of Right-of-Way Width**

- 0 feet

#### **Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

#### **Proposed Additional Cleared Right-of-Way Width**

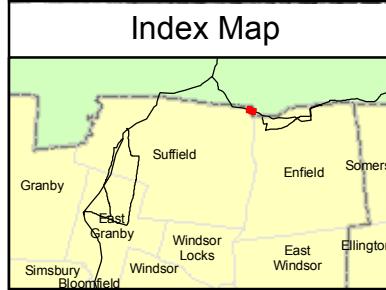
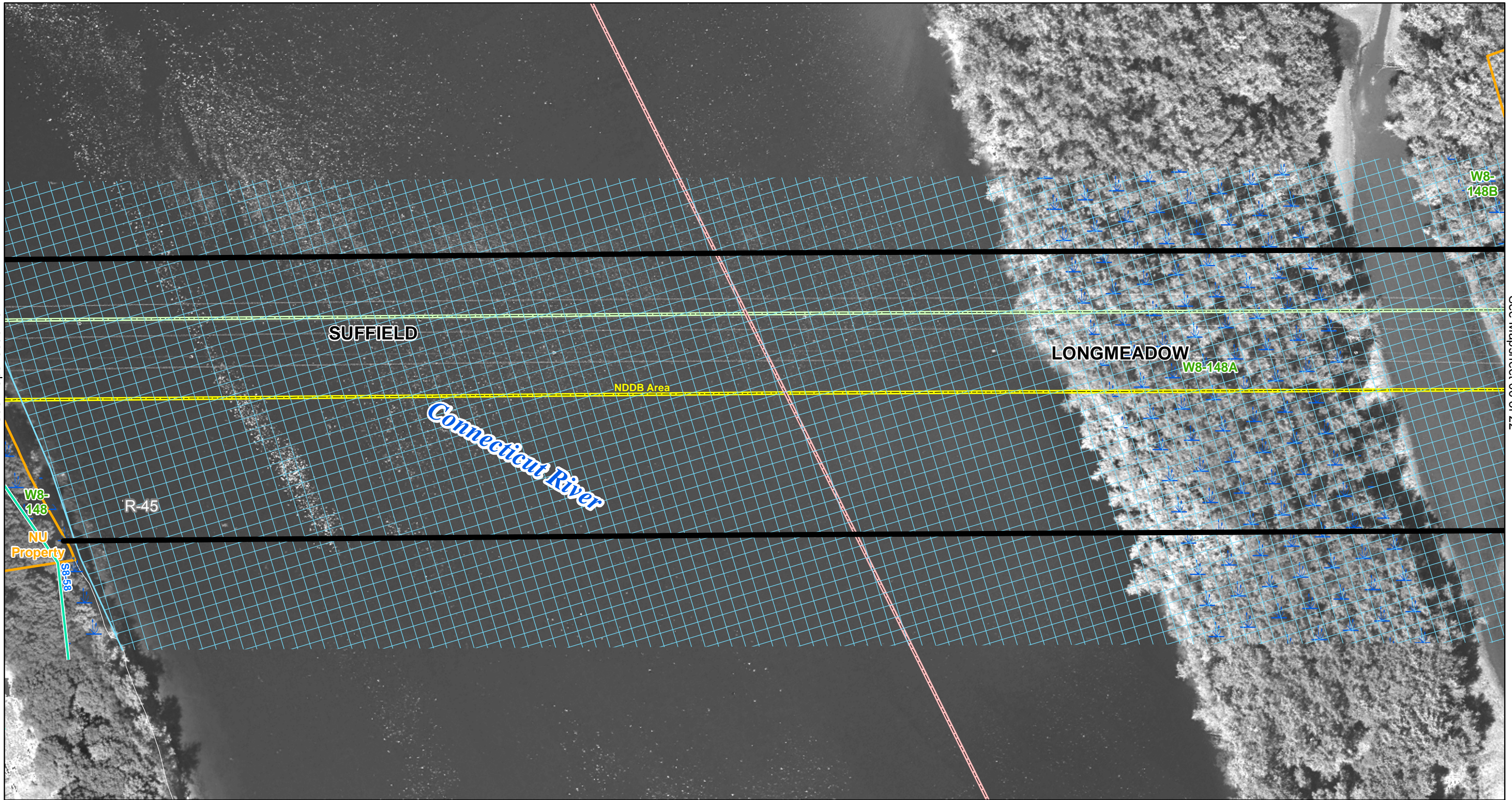
- 25-110 feet

#### **Road Crossings/Major Utility Crossings**

- None

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See Mapsheet 06 of 22



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>⋯ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts Southern Route Alternative

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**Connecticut Light & Power**  
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Date: September 2008

## **MAPSHEET 6 of 22:**

## **Massachusetts Southern Route Alternative 345-kV Overhead Line Route Alternative Existing Structure Location 22022 Towns of Longmeadow and Enfield, CT**

### **AREA DESCRIPTION**

#### **Existing Land Use**

- Town of Longmeadow
  - Forested
  - Open field-shrub
- Town of Enfield
  - Forested
  - Residential
  - Open field-shrub

#### **Future Land Use**

- Town of Longmeadow
  - Zoning (current):
    - None
- Town of Enfield
  - Zoning (current):
    - Residential (R-33)

#### **Natural Systems**

- Connecticut River (backwater)
- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal jurisdictional wetlands
- 100 year flood zone

#### **Visual Character**

- Forest and open water

### **RIGHT-OF-WAY DESCRIPTION**

#### **Land Use**

- Forest

#### **Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-148A, W8-148B, and W8-149
- Wetland Cover Types- Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S8-58A
- Open Water

#### **Potential Access**

- Structure 22022 can be accessed from local, residential streets

#### **Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

#### **Terrain**

- Steep slopes west of structure 22022
- Flat west of structure 22022

#### **Existing Right-of-Way Width**

- 300 feet

#### **Proposed Expansion of Right-of-Way Width**

- 0 feet

#### **Existing Cleared/Maintained Right-of-Way Width**

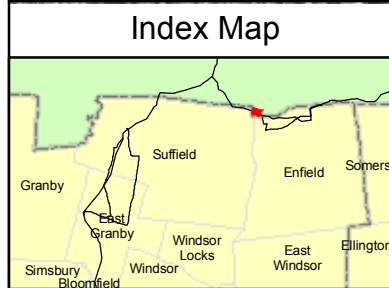
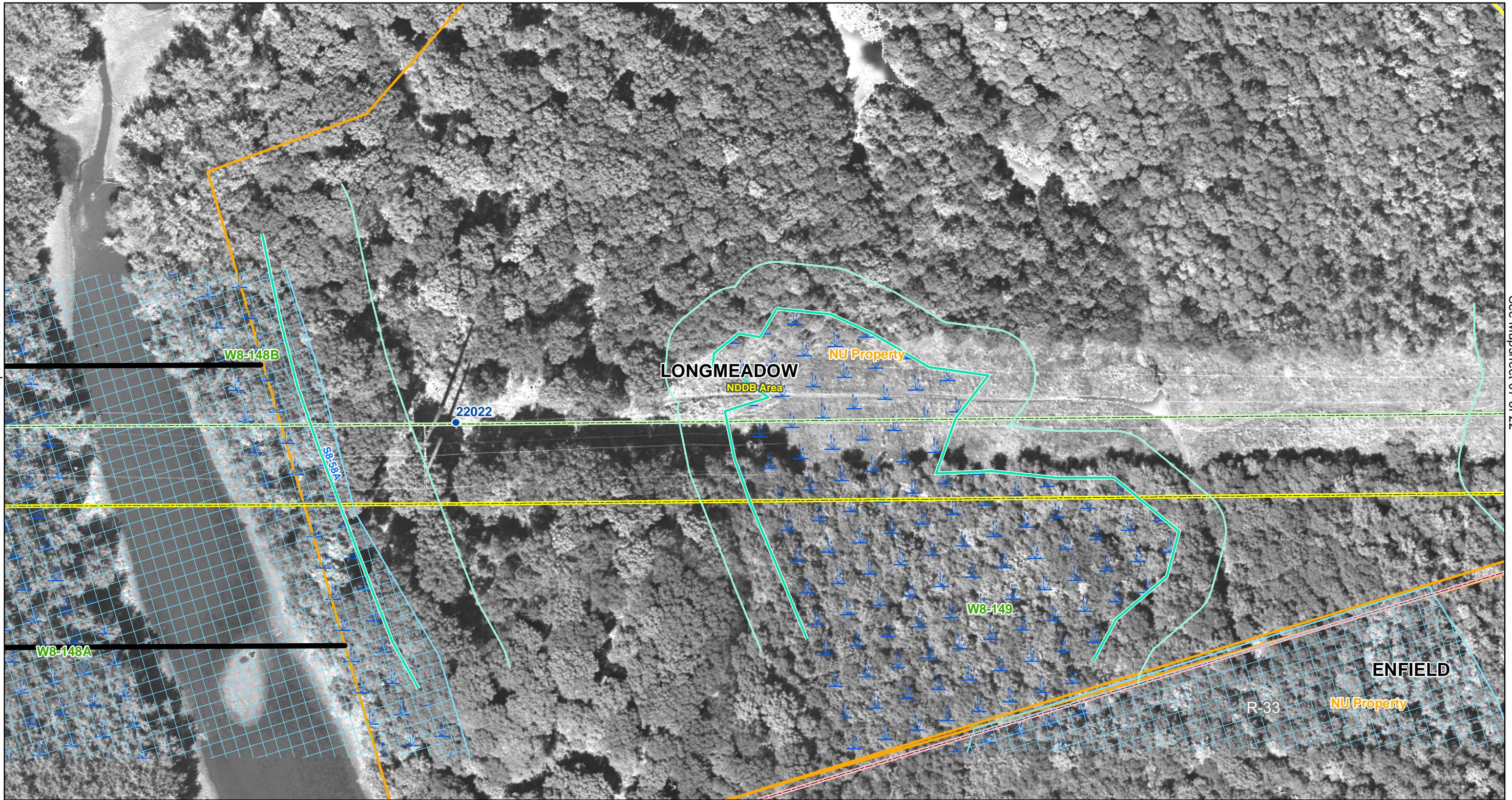
- 100 feet

#### **Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

#### **Road Crossings/Major Utility Crossings**

- None




<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>⋯ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet


Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

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## MAPSHEET 7 of 22:

## Massachusetts Southern Route Alternative Existing Structure Locations 22023 to 22024 Towns of Longmeadow, MA and Enfield, CT

### AREA DESCRIPTION

#### Existing Land Use

- Town of Longmeadow
  - Forested
  - Open field-shrub
- Town of Enfield
  - Forested
  - Residential
  - Open field-shrub

#### Future Land Use

- Town of Longmeadow
  - Zoning (current):
    - None
- Town of Enfield
  - Zoning (current):
    - Historic residential (HR-33)

#### Natural Systems

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

#### Visual Character

- Agricultural, residential and forest

### RIGHT-OF-WAY DESCRIPTION

#### Land Use

- Residential land use northeast of structure 22024
- Forest

#### Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-150 [Common Reed (*Phragmites australis*) prevalent within wetland], and W8-151
- Wetland Cover Types- Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream No. S8-59
- Confirmed Vernal Pool

#### Potential Access

- Structures 22023-22024 can be accessed from local, residential streets

#### Right-of-Way Vegetation

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

#### Terrain

- Flat west of structure 22023 and east of structure 22024
- Moderate to steep slopes adjacent to structure 22024

#### Existing Right-of-Way Width

- 300 feet

#### Proposed Expansion of Right-of-Way Width

- 0 feet

#### Existing Cleared/Maintained Right-of-Way Width

- 100 feet

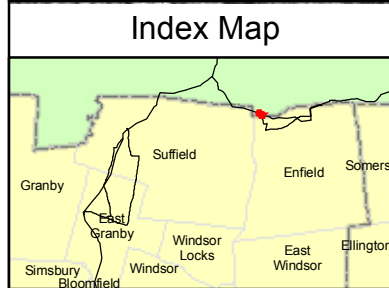
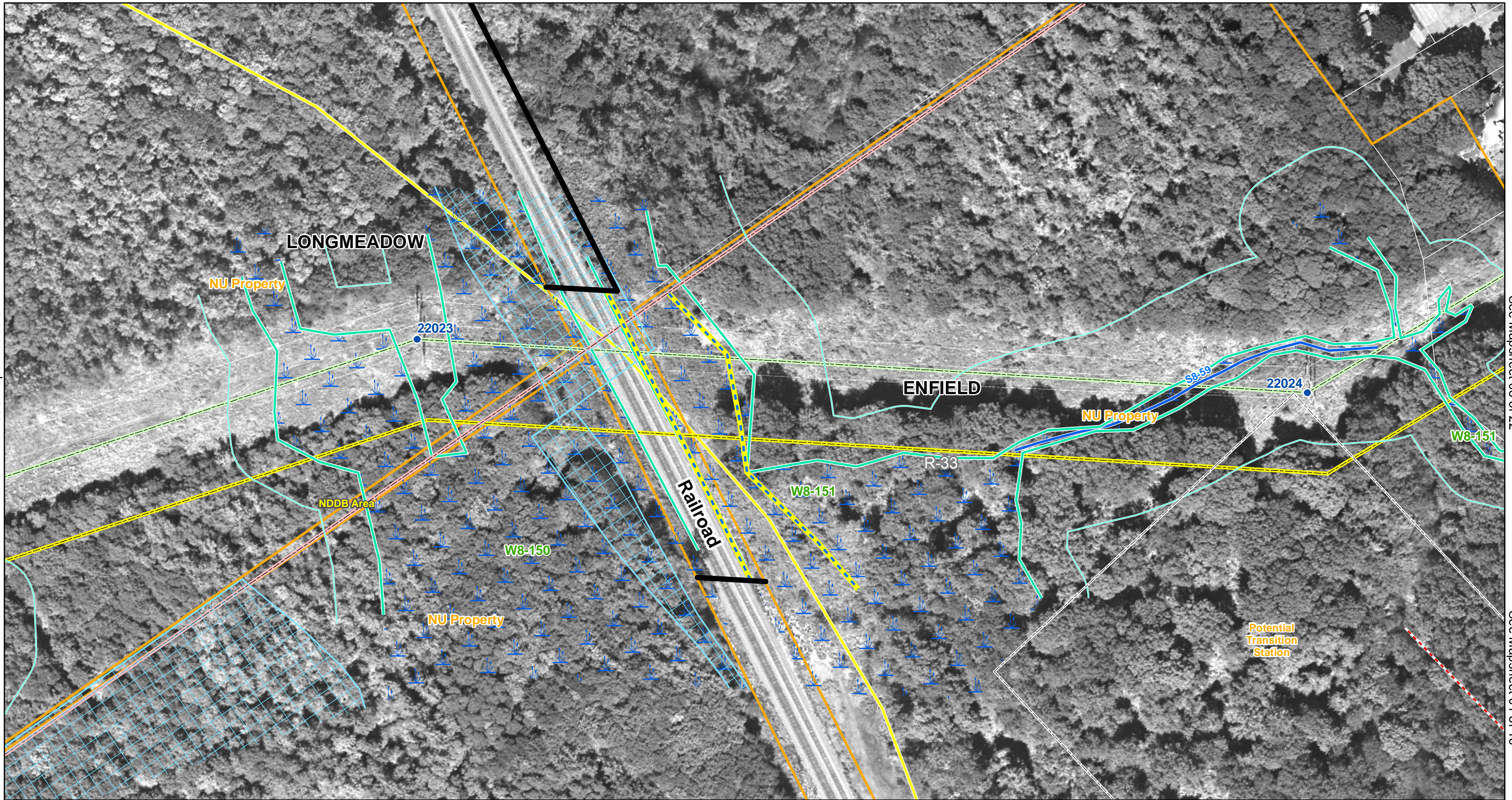
#### Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

#### Road Crossings/Major Utility Crossings

- Railroad between structures 22023-22024

*Note: Underground Line Variation description can be found on Mapsheet 1 of 16, Massachusetts State Route 220/Enfield Underground Line Route Variation.*



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008


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Date: September 2008

**MAPSHEET 8 of 22:**

**Massachusetts Southern Route Alternative  
Existing Structure Locations 22025 to 22026  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Open field-shrub

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Residential and forest

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential north of structures 22025-22026
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-151
- Wetland Cover Types – Palustrine Scrub-Shrub Wetlands, Palustrine Forested Wetlands
- Stream No S8-59

**Potential Access**

- Structures 22025-22026 can be accessed from local, residential streets

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), House/Yard

**Terrain**

- Flat to hilly from structure 22025 to the east of structure 22026

**Existing Right-of-Way Width**

- 300 feet between structures 22025 to the east of structure 22026

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

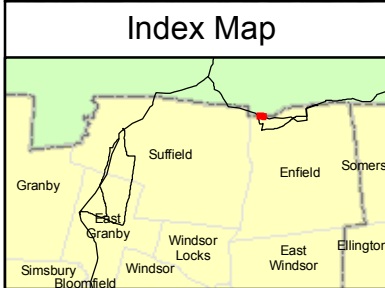
- None





See Mapsheet 07 of 22

See Mapsheet 09 of 22



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>⋯ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
 Massachusetts Southern Route Alternative  
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**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**Massachusetts Southern Route Alternative  
Existing Structure Locations 22027 to 22029  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial
- Conservation

**Future Land Use**

- Zoning (current):
  - Business Regional (BR)
  - General Business (B-G)
  - Neighborhood Landmark (NL)
  - Residential (R-33)
  - Business License (BL)

**Natural Systems**

- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Urban, residential and forest

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential north of structure 22027, and 22029
- Commercial/Industrial north of structure 22028, and 22029
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-152, and W8-152A [Purple loosestrife (*Lythrum salicaria*) prevalent within wetland]
- Wetland Cover Type – Palustrine Emergent Wetlands

**Potential Access**

- Structure 22027 can be accessed from local, residential streets
- Structures 22028-22029 can be accessed from Booth Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Flat to hilly between structures 22027-22029

**Existing Right-of-Way Width**

- 300 feet west of structure 22027
- 280 feet between structures 22027-22029

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

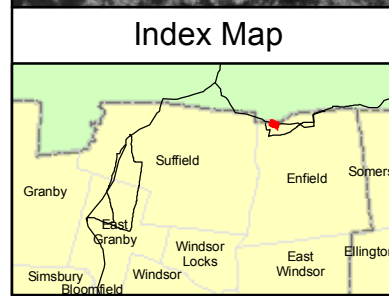
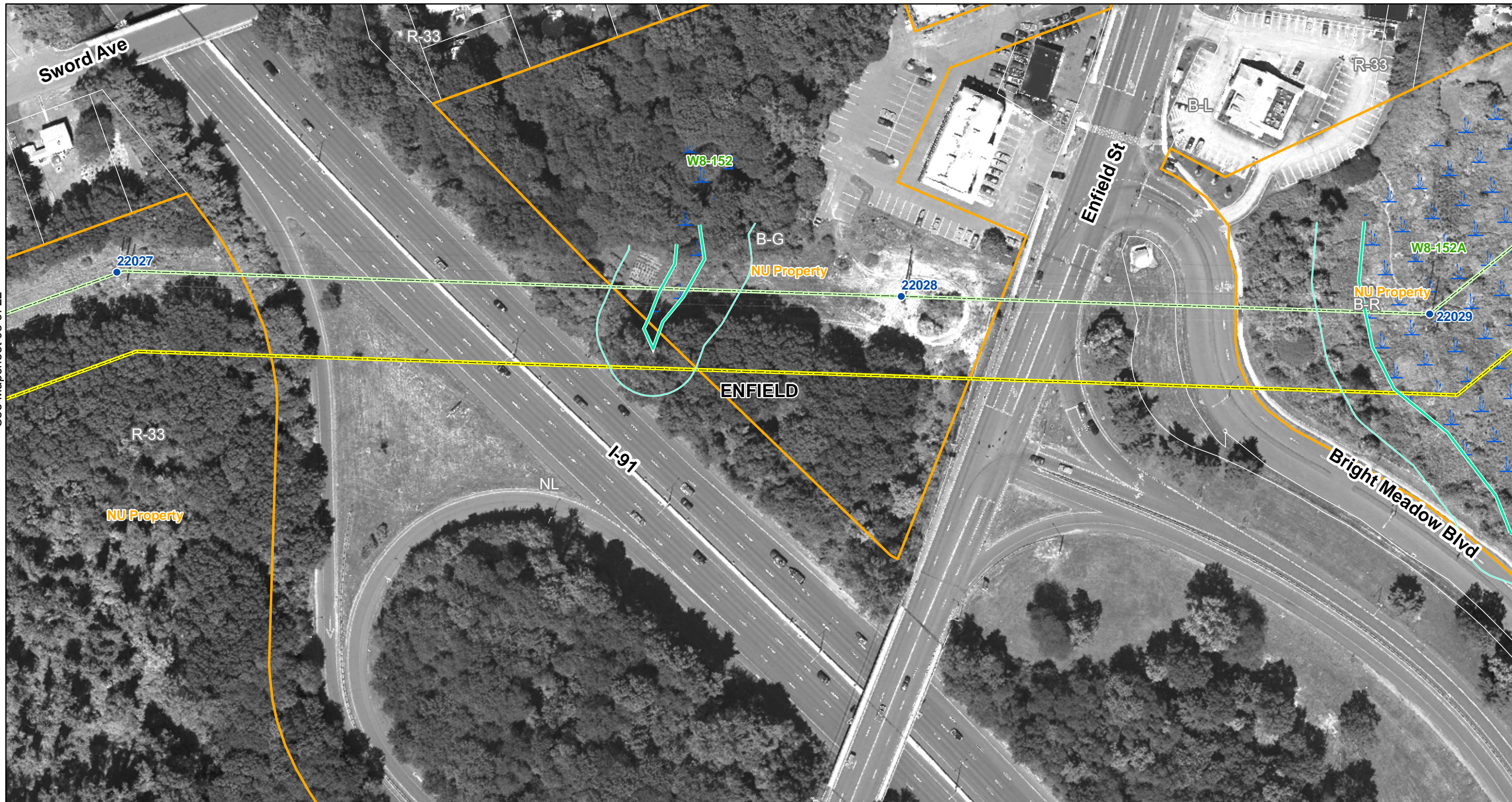
- 25-110 feet

**Road Crossings/Major Utility Crossings**

- US Interstate 91 between structures 22027-22028
- US Highway 5/Enfield Street between structures 22028-22029
- Bright Meadow Boulevard between structures 22028-22029

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<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

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**Massachusetts Southern Route Alternative**

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Date: September 2008

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial
- Open field-shrub

**Future Land Use**

- Zoning (current):
  - Business Regional (B-R)
  - General Business (B-G)
  - Residential (R-33)
  - Business License (BL)

**Natural Systems**

- Waterworks Brook and associated tributaries
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

**Visual Character**

- Urban, residential and forest

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential north of structures 22029-22030
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-152A [Purple loosestrife (*Lythrum salicaria*) prevalent within wetland], and W8-152B
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Forested Wetlands
- Stream No S8-59A (Waterworks Brook)

**Potential Access**

- Structures 22029-22031 can be accessed from Booth Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), House/Yard

**Terrain**

- Flat to hilly between structures 22029-22031

**Existing Right-of-Way Width**

- 280 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

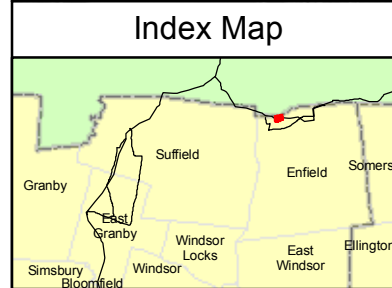
- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

- US Highway 5/ Enfield Street west of structure 22029
- Bright Meadow Boulevard west of structure 22029



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>⋯ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

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Massachusetts Southern Route Alternative

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The Northeast Utilities System

Date: September 2008

**MAPSHEET 11 of 22:**

**Massachusetts Southern Route Alternative  
Existing Structure Locations 22031 to 22033  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Urban, residential and forest

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-152C, and W8-152D
- Wetland Cover Types – Palustrine Scrub-Shrub Wetlands, Palustrine Forested Wetlands

**Potential Access**

- Structures 22031-22033 can be accessed from Booth Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Flat to hilly between all structures

**Existing Right-of-Way Width**

- 280 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

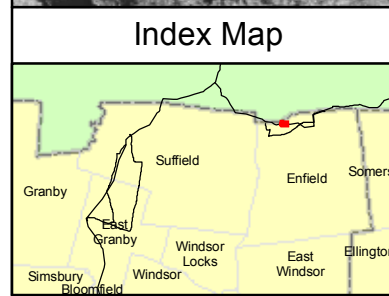
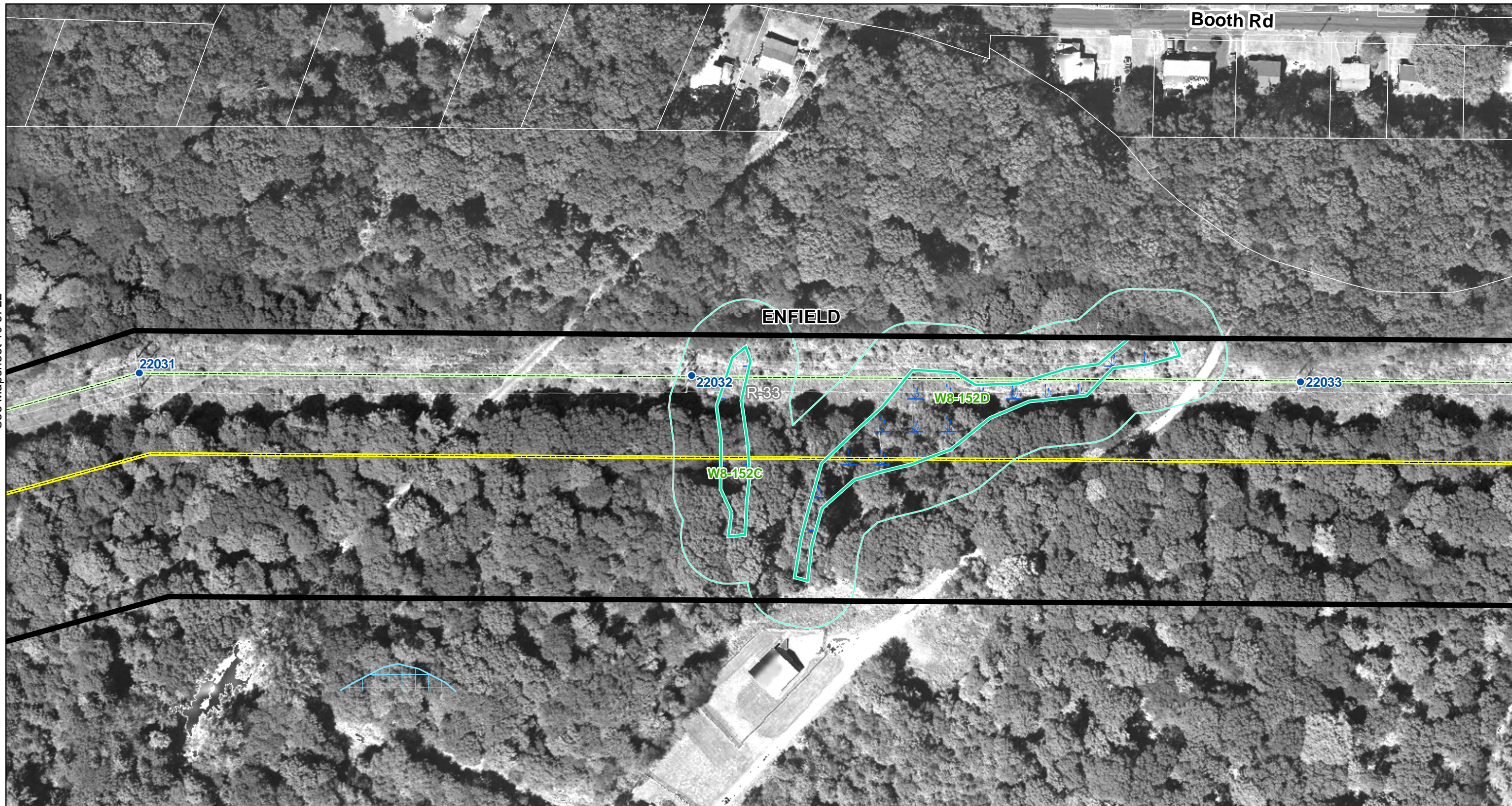
- 25-110 feet

**Road Crossings/Major Utility Crossings**

- None

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● Existing Line Structure to Remain	□ Potential Transition Station	⚡ Right-of-Way (Existing)	🌿 Wetland Boundary	🏠 Wetland Area
○ Existing Line Structure To Be Removed	🌿 Natural Diversity Area	⚡ Right-of-Way (Expanded)	🌿 Wetland/Watercourse Buffer	🏠 100 Year Flood Zone
— Existing Transmission Line	🟡 Proposed Transmission Line	🔴 345-kV Underground Variation	🌊 Watercourse	🏠 Property Line
			🟡 Confirmed Vernal Pool	
			🏠 Town Line	

1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts Southern Route Alternative

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**ENSR | AECOM**

Date: September 2008

**MAPSHEET 12 of 22:**

**Massachusetts Southern Route Alternative  
Existing Structure Locations 22034 to 22036  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- Mixed hardwood forests varying in size and age

**Visual Character**

- Residential and forest

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Forest

**Wetlands, Watercourses and Waterbodies**

- None

**Potential Access**

- Structures 22034-22035 can be accessed from Booth Road
- Structure 22036 can be accessed from local, residential streets and Brainard Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Flat to hilly between all structures

**Existing Right-of-Way Width**

- 280 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

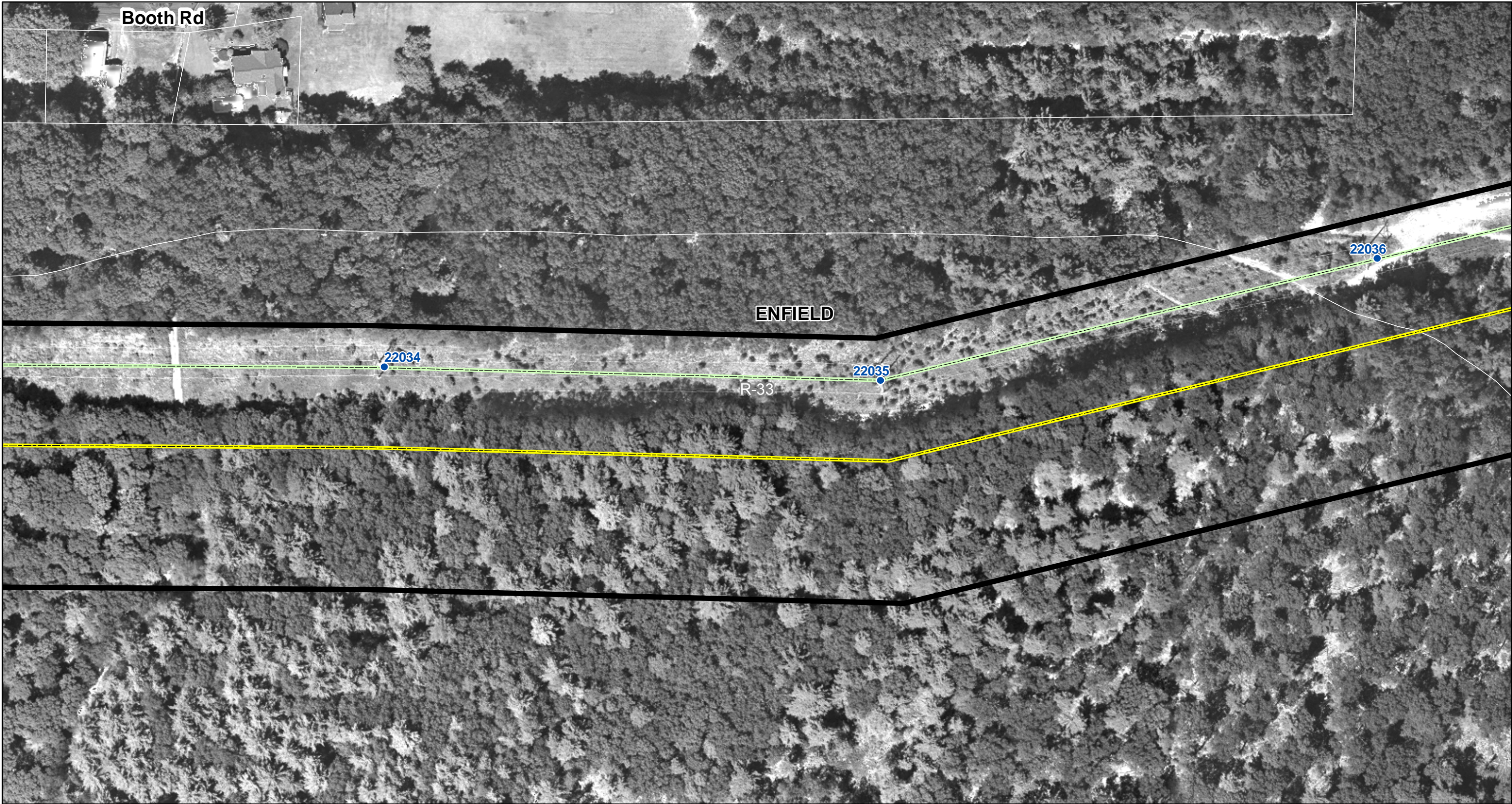
**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

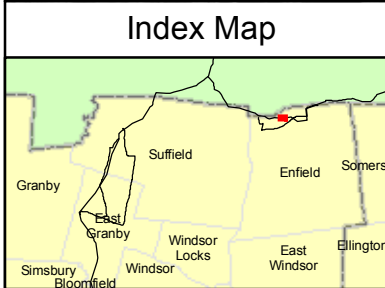
- None





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<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

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 Massachusetts Southern Route Alternative  
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Date: September 2008

**MAPSHEET 13 of 22:**

**Massachusetts Southern Route Alternative  
Existing Structure Locations 22036 to 22039  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential 33 (R-33)

**Natural Systems**

- Mixed hardwood forests varying in size and age

**Visual Character**

- Forest, residential and agricultural

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Forest

**Wetlands, Watercourses and Waterbodies**

- None

**Potential Access**

- Structures 22036-22039 can be accessed from local, residential streets and Brainard Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Flat to hilly between all structures

**Existing Right-of-Way Width**

- 280 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

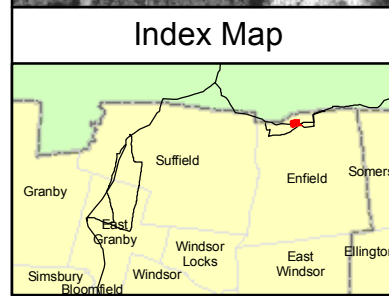
- 25-110 feet

**Road Crossings/Major Utility Crossings**

- None

See Mapsheet 12 of 22

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<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield  
Reliability Project**


Massachusetts Southern  
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**Connecticut  
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The Northeast Utilities System

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Date: September 2008



**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential 44 (R-44)
  - Residential 33 (R-33)

**Natural Systems**

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest, urban-residential and agricultural

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential east and southwest of and adjacent to structure 22041
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-152E
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands

**Potential Access**

- Structures 22038-22041 can be accessed from local, residential streets and Brainard Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), House/Yard

**Terrain**

- Flat to hilly between all structures

**Existing Right-of-Way Width**

- 280 feet between structures 22038-22040
- 250 feet from structure 22040 to the southeast of structure 22041

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

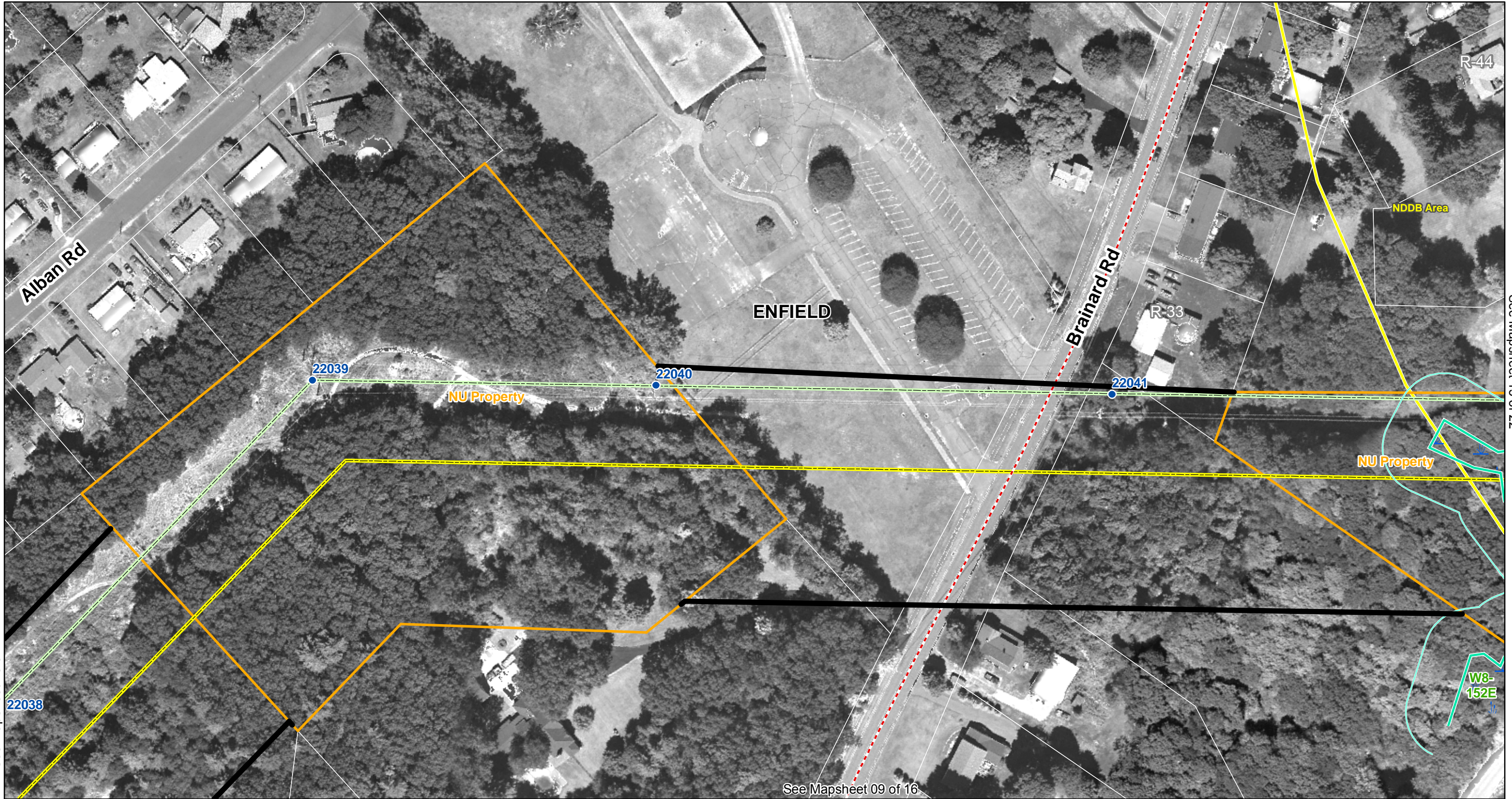
- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

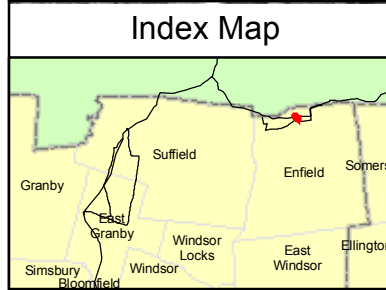
- Brainard Road between structures 22040-22041



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<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
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## **MAPSHEET 15 of 22:**

## **Massachusetts Southern Route Alternative Existing Structure Locations 22042 to 22044 Town of Enfield, CT**

### **AREA DESCRIPTION**

#### **Existing Land Use**

- Residential
- Agricultural

#### **Future Land Use**

- Zoning (current):
  - Residential 44 (R-44)
  - Residential 33 (R-33)

#### **Natural Systems**

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

#### **Visual Character**

- Forest, urban-residential and agricultural

### **RIGHT-OF-WAY DESCRIPTION**

#### **Land Use**

- Residential north of structure 22042
- Forest

#### **Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-152E, W8-152F, W8-152G, and W8-152H
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands
- Washington Road Pond

#### **Potential Access**

- Structures 22042-22044 can be accessed from either George Washington Road or Brainard Road

#### **Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), House/Yard

#### **Terrain**

- Flat to hilly between all structures

#### **Existing Right-of-Way Width**

- 250 feet northwest of structure 22042
- 300 feet between structures 22042-22044

#### **Proposed Expansion of Right-of-Way Width**

- 0 feet

#### **Existing Cleared/Maintained Right-of-Way Width**

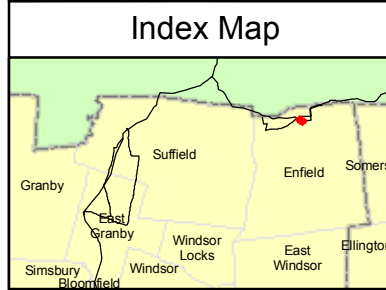
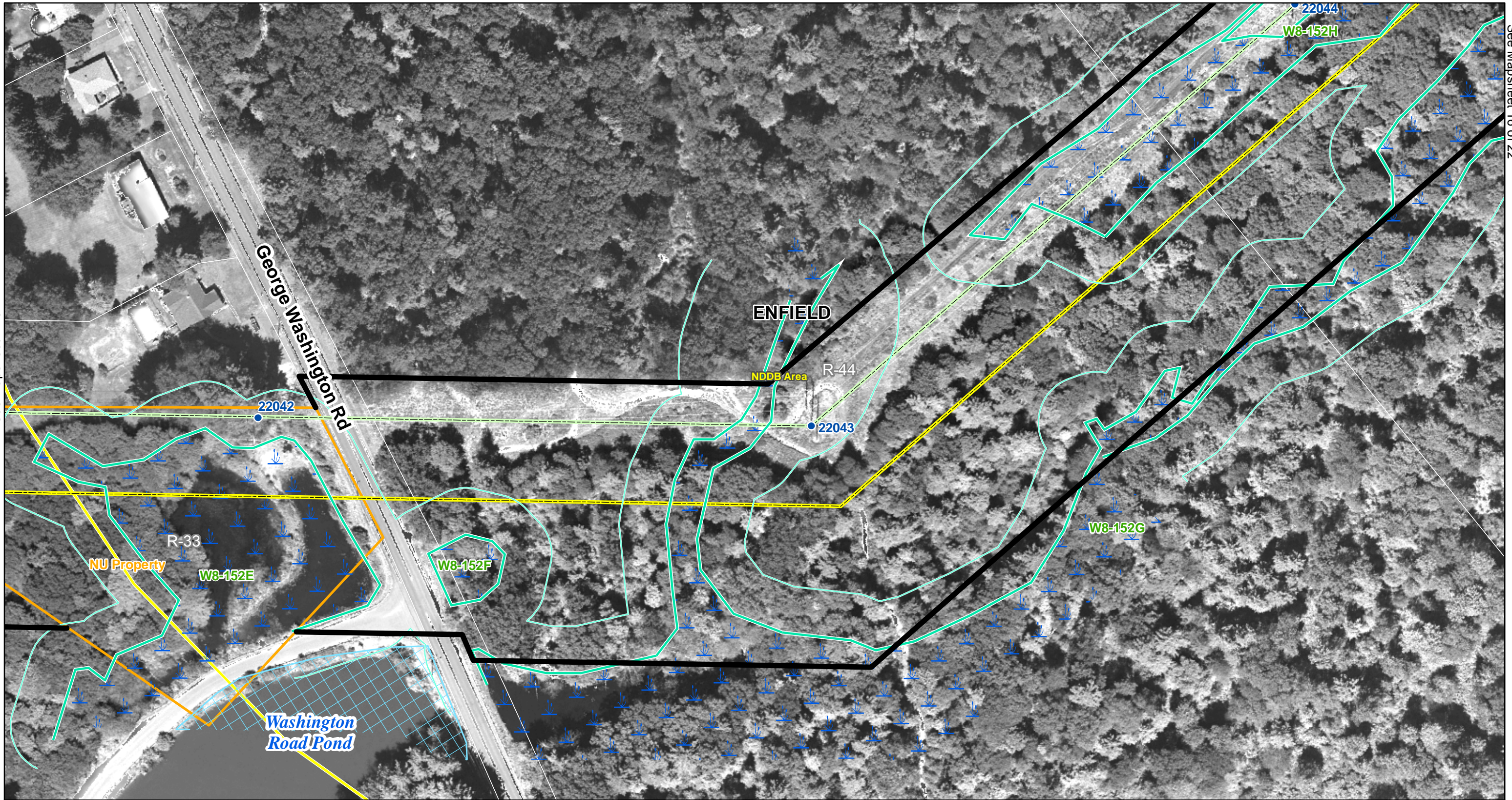
- 100 feet

#### **Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

#### **Road Crossings/Major Utility Crossings**

- George Washington Road between structures 22042-22043



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts Southern Route Alternative

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The Northeast Utilities System

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Date: September 2008

## MAPSHEET 16 of 22:

## Massachusetts Southern Route Alternative Existing Structure Locations 22044 to 22046 Town of Enfield, CT

### AREA DESCRIPTION

#### Existing Land Use

- Residential
- Agricultural

#### Future Land Use

- Zoning (current):
  - Residential 44 (R-44)

#### Natural Systems

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

#### Visual Character

- Forest, residential and agricultural

### RIGHT-OF-WAY DESCRIPTION

#### Land Use

- Agricultural east of structure 22046
- Forest

#### Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-152G, W8-152H, W8-152I, W8-152J, and W8-152K
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands

#### Potential Access

- Structures 22044-22046 can be accessed from either George Washington Road or Brainard Road

#### Right-of-Way Vegetation

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), Agricultural

#### Terrain

- Flat to hilly between all structures

#### Existing Right-of-Way Width

- 300 feet

#### Proposed Expansion of Right-of-Way Width

- 0 feet

#### Existing Cleared/Maintained Right-of-Way Width

- 100 feet

#### Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

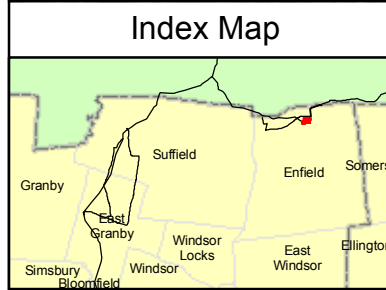
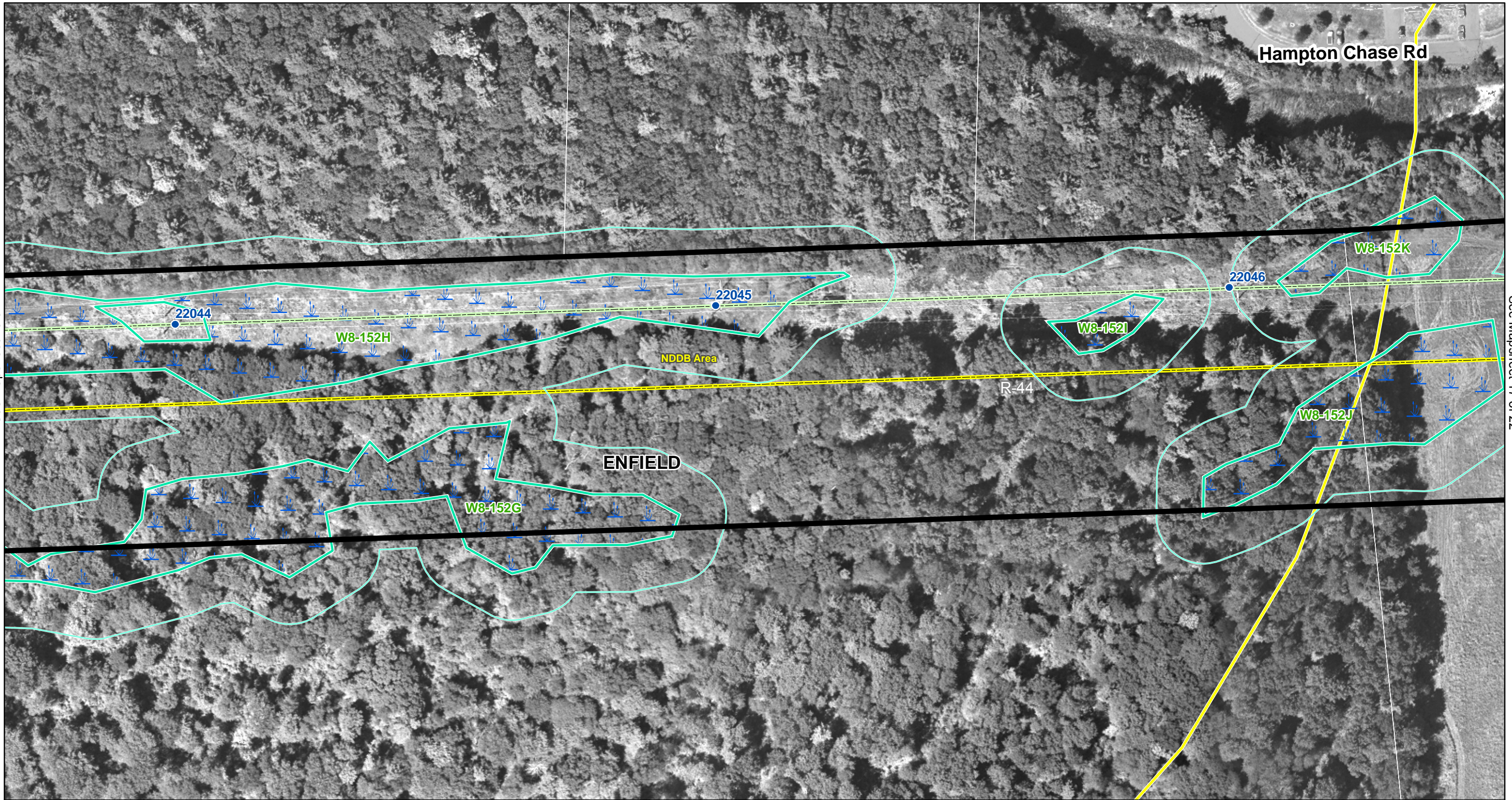
#### Road Crossings/Major Utility Crossings

- None



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<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>⋯ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts Southern Route Alternative

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**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**Massachusetts Southern Route Alternative  
Existing Structure Locations 22047 to 22048  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural

**Future Land Use**

- Zoning (current):
  - Residential 44 (R-44)
  - Residential 33 (R-33)

**Natural Systems**

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age

**Visual Character**

- Forest, residential and agricultural

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Commercial/Industrial west of structure 22048
- Agricultural adjacent to and between structures 22047-22048

**Wetlands, Watercourses and Waterbodies**

- None

**Potential Access**

- Structures 22047-22048 can be accessed from either George Washington Road or Brainard Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Agricultural, House/Yard

**Terrain**

- Flat to hilly between all structures

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

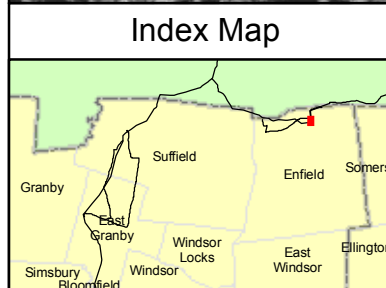
**Road Crossings/Major Utility Crossings**

- Brainard Road north of structure 22048

*Note: Underground Line Variation description can be found on Mapsheet 12 of 16, Massachusetts State Route 220/Enfield Underground Line Route Variation.*



See Mapsheet 18 of 22



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>■ Wetland Area</li> <li>■ 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
**Massachusetts Southern Route Alternative**

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**Connecticut Light & Power**  
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Date: September 2008

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest, residential and agricultural

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential east and west of structures 22049-22050, and southwest of structure 22051
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland No. W8-152L
- Wetland Cover Type - Palustrine Emergent Wetlands

**Potential Access**

- Structures 22049-22051 can be accessed from either George Washington Road or Brainard Road

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland Forest (in un-cleared portion of right-of-way), House/Yard

**Terrain**

- Flat to hilly between all structures

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

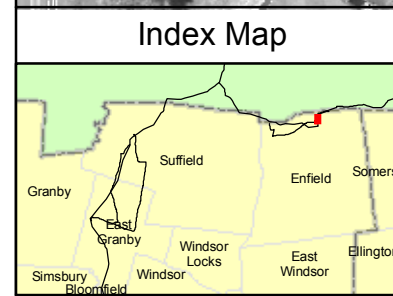
- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

- Brainard Road south of structure 22049




<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet


Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
 Massachusetts Southern Route Alternative  
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**Connecticut Light & Power**  
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Date: September 2008

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial
- Open field-shrub

**Future Land Use**

- Zoning (current):
  - Residential 44 (R-44)
  - Residential 33 (R-33)

**Natural Systems**

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age

**Visual Character**

- Forest and residential

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential north of structure 22052
- Forest

**Wetlands, Watercourses and Waterbodies**

- None

**Potential Access**

- Structure 22052 can be accessed from State Route 192/North Maple Street
- Structures 22053-22054 can be accessed from Mayfield Drive

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Broad and flat

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

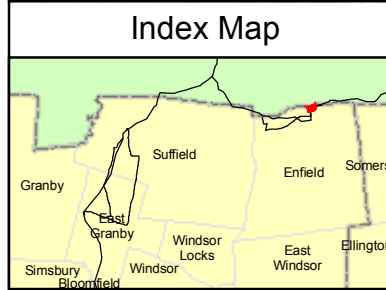
**Road Crossings/Major Utility Crossings**

- State Route 192/North Maple Street between structures 2205-22053

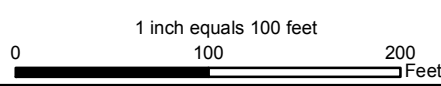


See Mapsheet 18 of 22

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<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>⊞ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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Data Source: 2007 Aerial Imagery;  
 CT DEP 2007; B&McD 2007-2008;  
 ENSR Survey 2007-2008



**Greater Springfield Reliability Project**  
 Massachusetts Southern Route Alternative  
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Date: September 2008

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial
- Open field-shrub

**Future Land Use**

- Zoning (current):
  - Residential 44 (R-44)

**Natural Systems**

- Shaker Pond
- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest and residential

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential north of structure 22056
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-152M, W8-152N
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands

**Potential Access**

- Structures 22055-22056 can be accessed from Mayfield Drive

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Broad and flat

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

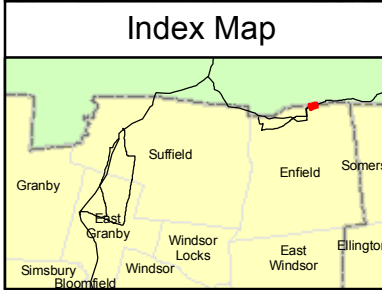
- Mayfield Drive northeast of structure 22056

*Note: Underground Line Variation description can be found on Mapsheet 15 of 16, Massachusetts State Route 220/Enfield Underground Line Route Variation.*



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● Existing Line Structure to Remain	□ Potential Transition Station	⚡ Right-of-Way (Existing)	🌿 Wetland Boundary	🏠 Wetland Area
○ Existing Line Structure To Be Removed	🍷 Natural Diversity Area	⚡ Right-of-Way (Expanded)	🌿 Wetland/Watercourse Buffer	🏠 100 Year Flood Zone
— Existing Transmission Line	— Proposed Transmission Line	⚡ 345-kV Underground Variation	🌊 Watercourse	— Property Line
			🟡 Confirmed Vernal Pool	
			🏠 Town Line	

1 inch equals 100 feet  
0 100 200 Feet

Data Source: 2007 Aerial Imagery;  
CT DEP 2007; B&McD 2007-2008;  
ENSR Survey 2007-2008

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**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial

**Future Land Use**

- Zoning (current):
  - Residential 44 (R-44)

**Natural Systems**

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest and residential

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-152M, W8-152N, W8-152O and W8-153
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands

**Potential Access**

- Structures 22057-22059 can be accessed from Mayfield Drive

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Broad and flat

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

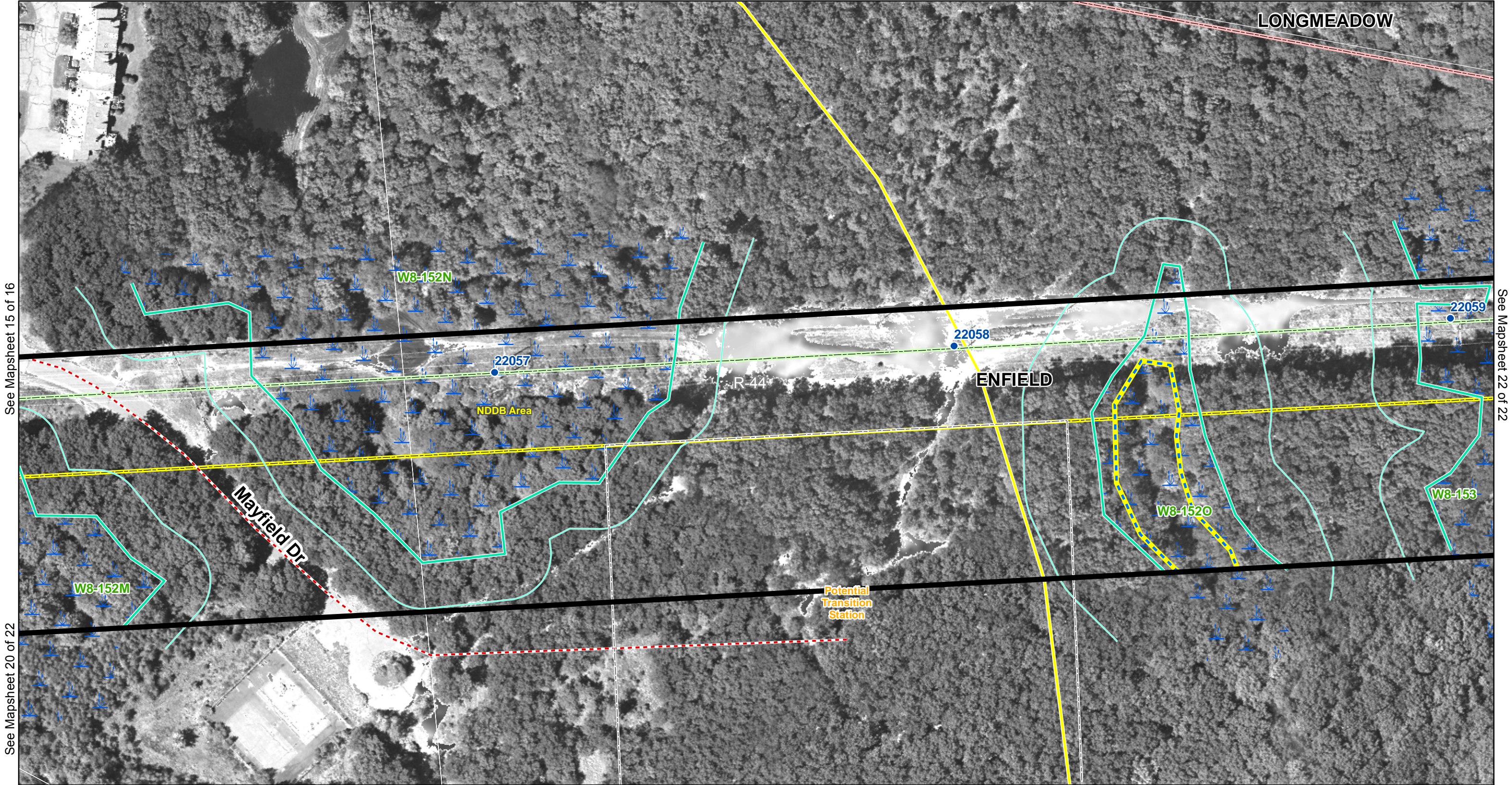
- 100 feet

**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

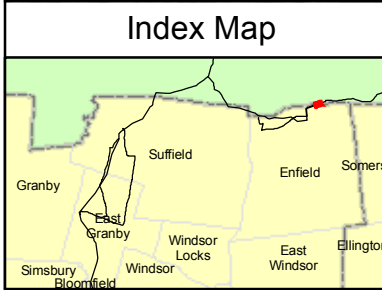
- Mayfield Drive southwest of structure 22057



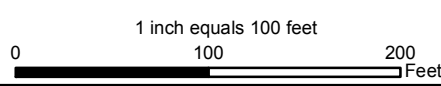
See Mapsheet 15 of 16

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<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>■ Natural Diversity Area</li> <li>— Existing Transmission Line</li> <li>— Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Right-of-Way (Existing)</li> <li>— Right-of-Way (Expanded)</li> <li>— 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Boundary</li> <li>— Wetland/Watercourse Buffer</li> <li>— Watercourse</li> <li>— Confirmed Vernal Pool</li> <li>— Town Line</li> </ul>	<ul style="list-style-type: none"> <li>— Wetland Area</li> <li>— 100 Year Flood Zone</li> <li>— Property Line</li> </ul>
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Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008



**Greater Springfield Reliability Project**  
**Massachusetts Southern Route Alternative**  
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**MAPSHEET 22 of 22:**

**Massachusetts Southern Route Alternative  
Existing Structure Locations 22059 22062  
Towns of Enfield, CT, and Longmeadow and East Longmeadow, MA**

**AREA DESCRIPTION**

**Existing Land Use**

- Forested
- Open field-shrub

**Future Land Use**

- Zoning (current):
  - Residential 44 (R-44)

**Natural Systems**

- Mixed hardwood forests varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-153
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands

**Potential Access**

- Structures 22059-22061 can be accessed from Mayfield Drive

**Right-of-Way Vegetation**

- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way)

**Terrain**

- Broad and flat

**Existing Right-of-Way Width**

- 300 feet

**Proposed Expansion of Right-of-Way Width**

- 0 feet

**Existing Cleared/Maintained Right-of-Way Width**

- 100 feet

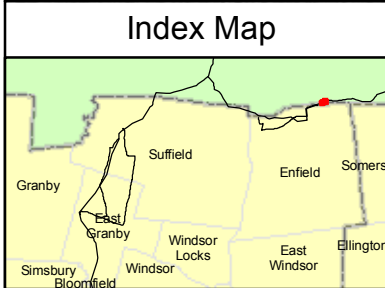
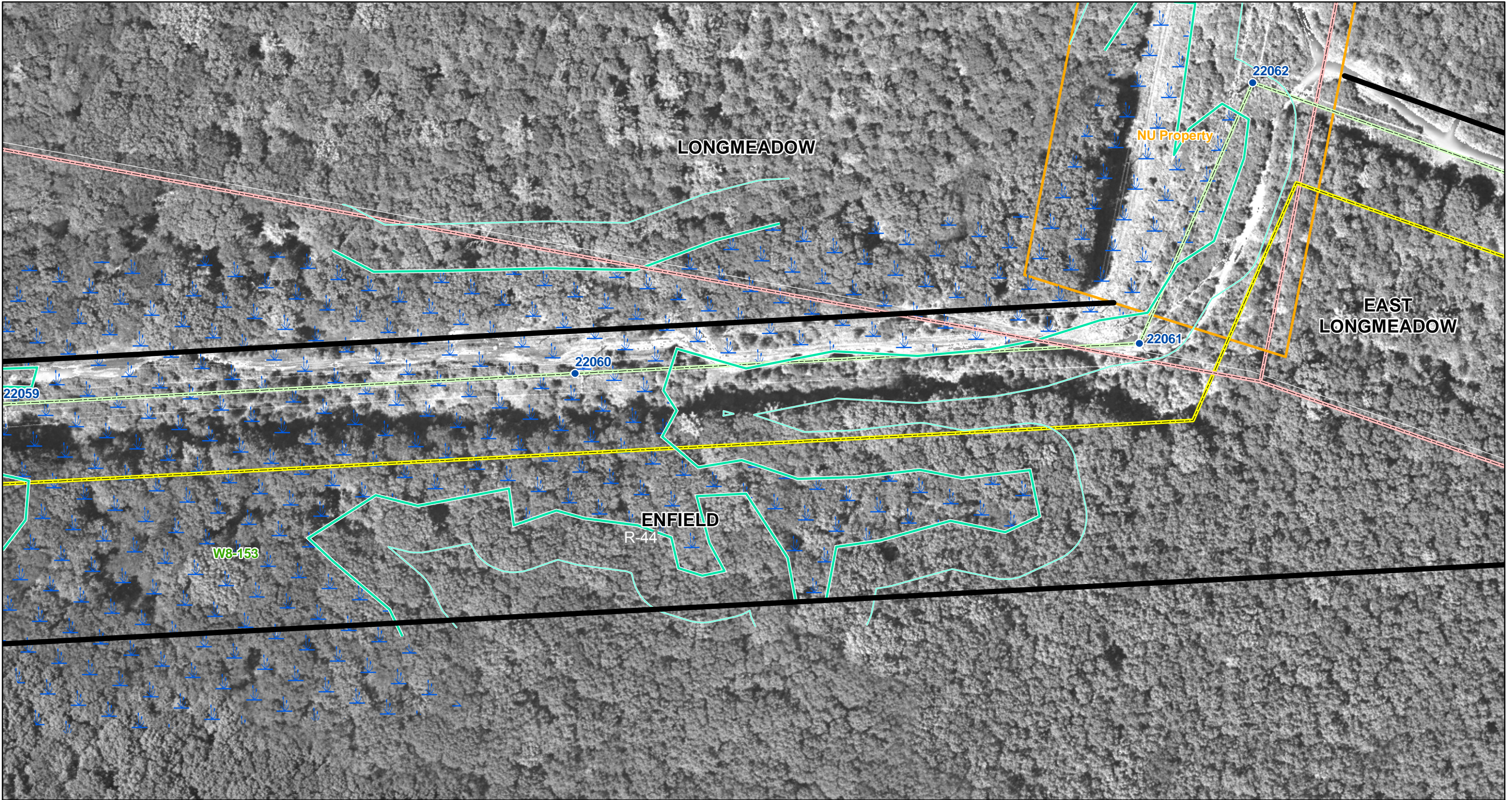
**Proposed Additional Cleared Right-of-Way Width**

- 25-110 feet

**Road Crossings/Major Utility Crossings**

- None

See Mapsheet 21 of 22



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>🍷 Natural Diversity Area</li> <li>🟢 Existing Transmission Line</li> <li>🟡 Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Right-of-Way (Existing)</li> <li>⚡ Right-of-Way (Expanded)</li> <li>⚡ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>🟢 Wetland Boundary</li> <li>🟢 Wetland/Watercourse Buffer</li> <li>🟡 Confirmed Vernal Pool</li> <li>🔴 Town Line</li> </ul>	<ul style="list-style-type: none"> <li>🌊 Wetland Area</li> <li>🏠 100 Year Flood Zone</li> <li>📏 Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts Southern Route Alternative

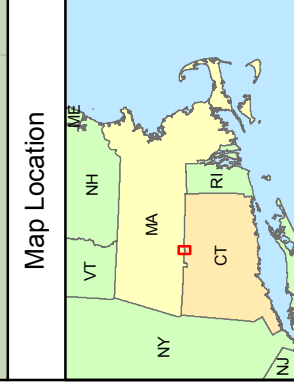
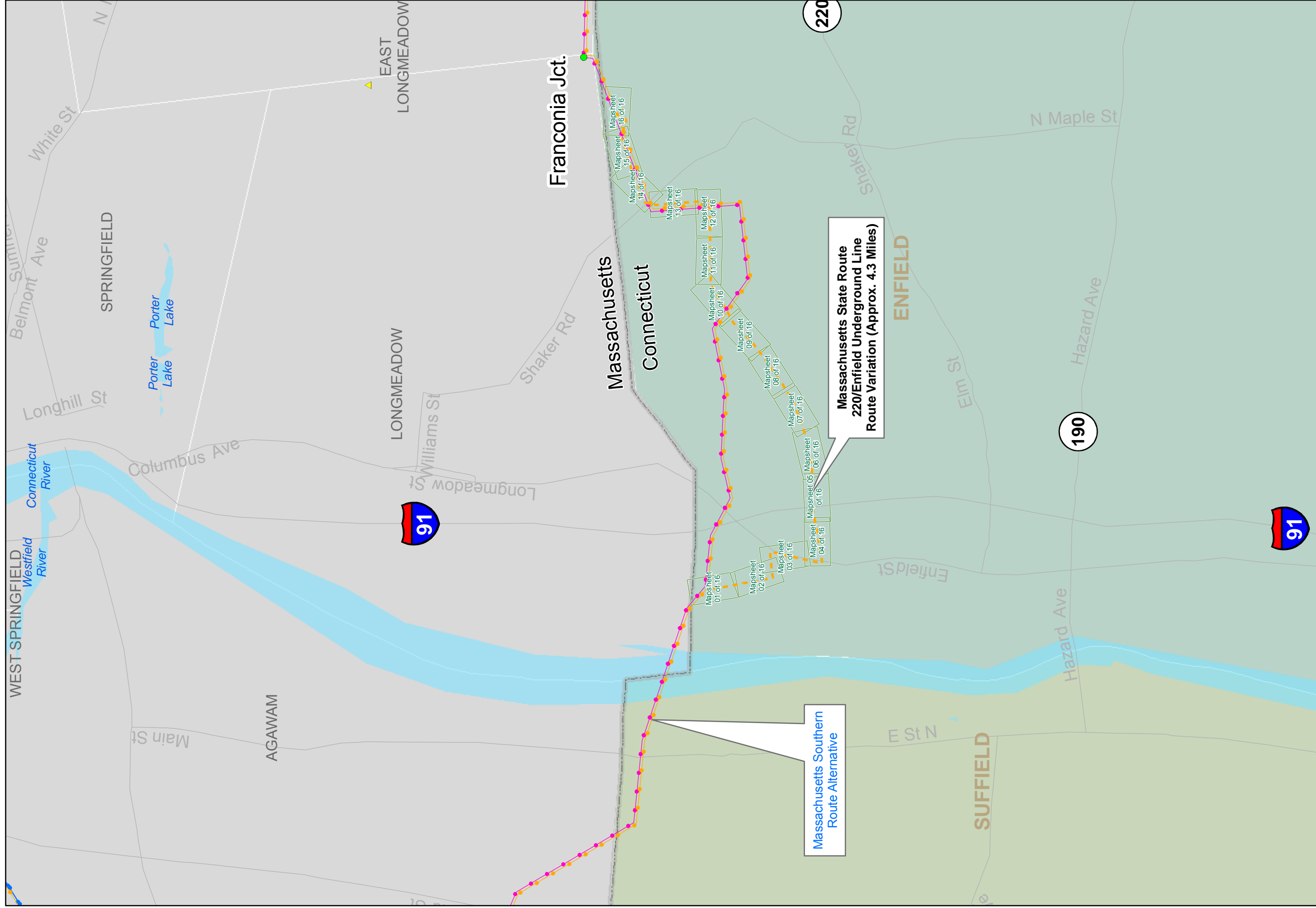
Mapsheet 22 of 22

Connecticut Light & Power  
The Northeast Utilities System

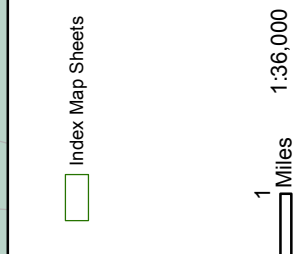
ENSR | AECOM

Date: September 2008





- Electric Transmission Routes**
- Massachusetts Southern Route Alternative
  - Underground Line
  - - - Route Variation
  - Existing 115-KV Line



Data Source: Burns & McDonnell Engineering, CT DEP, ENSR 2007

**Greater Springfield Reliability Project Index Map**

Connecticut

Connecticut Light & Power  
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

Y:\Projects\Northeast\_Utlities\GIS\RF\Map\XD\CSC\_Mapping\2008\_September\Index\_Map\_CSC\_101200\_South\_Route\_All\_Ug\_Variation.mxd

**MAPSHEET 1 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Campania Road  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood and evergreen forest varying in size and age
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- Wetland No.W8-151
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S8-59

**Potential Access**

- Potential transition station can be accessed from Campania Road

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, herbaceous plants, lawns

**Existing Ledge, Cut, and Fill**

- Cuts made for road construction
- Fill material used adjacent to river/stream crossings

**Terrain**

- Flat to rolling hills

**Proposed Additional Clearing**

- Approximately 4 acres of clearing for a potential transition station

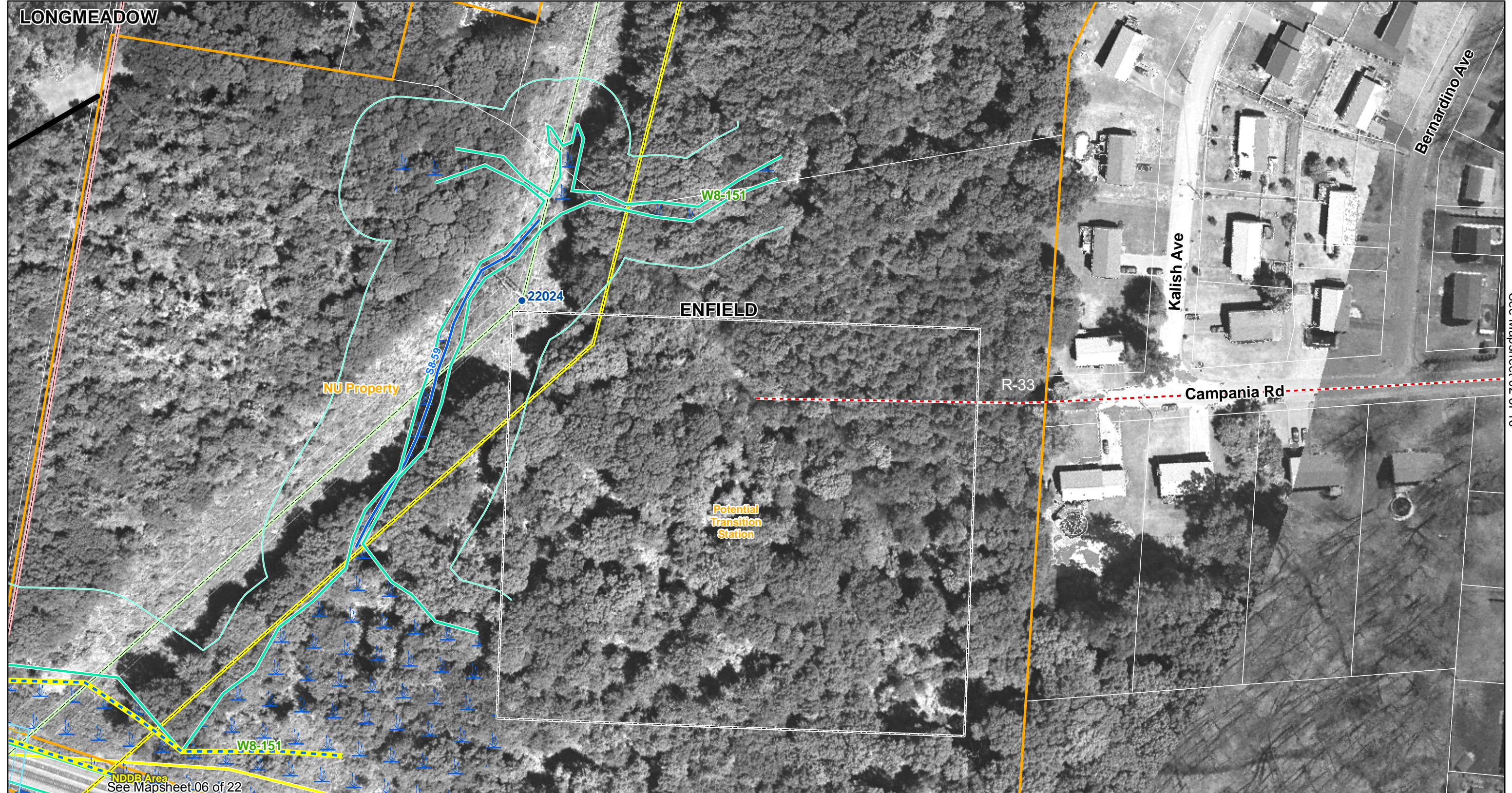
**Roads (Aligned Within or Adjacent To)**

- Campania Road, two lanes

*Note: Overhead Line Route description can be found on Mapsheet 7 of 22, Massachusetts Southern Route Alternative.*



LONGMEADOW



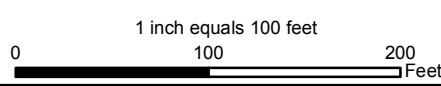
See Mapsheet 02 of 16

See Mapsheet 06 of 22

Index Map



- Existing Line Structure to Remain
- Existing Line Structure To Be Removed
- Potential Transition Station
- Natural Diversity Area
- Existing Transmission Line
- Proposed Transmission Line
- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- 345-kV Underground Variation
- Wetland Boundary
- Wetland/Watercourse Buffer
- Watercourse
- Confirmed Vernal Pool
- Town Line
- Wetland Area
- 100 Year Flood Zone
- Property Line



Data Source: 2004 & 2007 Aerial Imagery;  
 CT DEP 2007; B&McD 2007-2008;  
 ENSR Survey 2007-2008



**Greater Springfield  
 Reliability Project**

Massachusetts State Route  
 220/Enfield Underground  
 Line Route Variation

Mapsheet 01 of 16



Date: September 2008

**MAPSHEET 2 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Campania Road to Manning Road  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial

**Future Land Use**

- Zoning (current):
  - Residential (R-33)
  - Business license (B-L)
  - Industrial 1 (I-1)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, herbaceous plants, lawns

**Existing Ledge, Cut, and Fill**

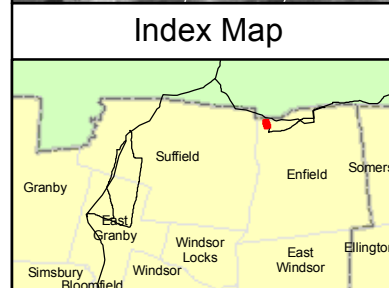
- Cuts made for road construction

**Terrain**

- Flat to rolling hills

**Roads(Aligned Within or Adjacent To)**

- Campania Road, two lanes
- Manning Road, two lanes



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>🍷 Natural Diversity Area</li> <li>🟢 Existing Transmission Line</li> <li>🟡 Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Right-of-Way (Existing)</li> <li>⚡ Right-of-Way (Expanded)</li> <li>⚡ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>🌿 Wetland Boundary</li> <li>🌿 Wetland/Watercourse Buffer</li> <li>🌊 Watercourse</li> <li>🟡 Confirmed Vernal Pool</li> <li>🏠 Town Line</li> </ul>	<ul style="list-style-type: none"> <li>🌊 Wetland Area</li> <li>🏠 100 Year Flood Zone</li> <li>🏠 Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**


Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 02 of 16



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 3 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Manning Road to Enfield Street  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial

**Future Land Use**

- Zoning (current):
  - Residential (R-33)
  - Business license (B-L)
  - Industrial 1 (I-1)

**Natural Systems**

- Waterworks Brook
- Mixed hardwood and evergreen forest varying in size and age
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential
- Commercial/Industrial

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W8-151A, W8-151B
- Wetland Cover Type – Palustrine Forested Wetlands
- Stream Nos. S8-59B and S8-59C (Waterworks Brook)

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, herbaceous plants, lawns

**Existing Ledge, Cut, and Fill**

- Cuts made for road construction
- Fill material used adjacent to river/stream crossings

**Terrain**

- Flat to rolling hills

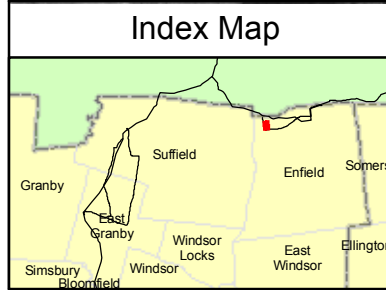
**Roads (Aligned Within or Adjacent To)**

- Manning Road, two lanes
- Enfield Street, two lanes



See Mapsheet 04 of 16

See Mapsheet 02 of 16



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>🍷 Natural Diversity Area</li> <li>🟢 Existing Transmission Line</li> <li>🟡 Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Right-of-Way (Existing)</li> <li>⚡ Right-of-Way (Expanded)</li> <li>⚡ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>🟢 Wetland Boundary</li> <li>🟢 Wetland/Watercourse Buffer</li> <li>🟢 Watercourse</li> <li>🟡 Confirmed Vernal Pool</li> <li>🟡 Town Line</li> </ul>	<ul style="list-style-type: none"> <li>🌊 Wetland Area</li> <li>🌊 100 Year Flood Zone</li> <li>📏 Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2004 & 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**

Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 03 of 16



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 4 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Enfield Street to Brainard Road  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential
- Commercial/Industrial
- Conservation

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, herbaceous plants, lawns

**Existing Ledge, Cut, and Fill**

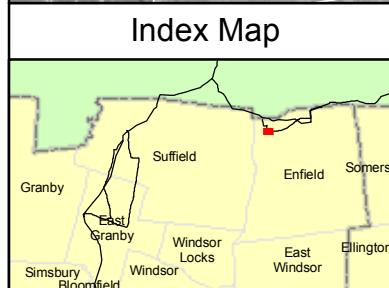
- Cuts made for road construction

**Terrain**

- Flat to rolling hills

**Roads (Aligned Within or Adjacent To)**

- Enfield Street, two lanes
- Brainard Road, two lanes



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>🍷 Natural Diversity Area</li> <li>🟢 Existing Transmission Line</li> <li>🟡 Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Right-of-Way (Existing)</li> <li>⚡ Right-of-Way (Expanded)</li> <li>⚡ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>🟢 Wetland Boundary</li> <li>🟢 Wetland/Watercourse Buffer</li> <li>🟢 Watercourse</li> <li>🟡 Confirmed Vernal Pool</li> <li>🔴 Town Line</li> </ul>	<ul style="list-style-type: none"> <li>🏠 Wetland Area</li> <li>🏠 100 Year Flood Zone</li> <li>🏠 Property Line</li> </ul>
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**


Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 04 of 16



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 5 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Brainard Road  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial/Industrial
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-33)
  - Business regional (B-R)
  - Neighborhood landmark (NL)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential
- Commercial/Industrial
- Conservation

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, herbaceous plants, lawns

**Existing Ledge, Cut, and Fill**

- Cuts made for road construction

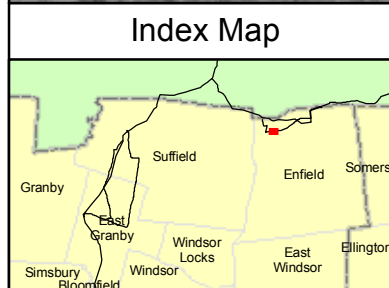
**Terrain**

- Flat to rolling hills

**Roads (Aligned Within or Adjacent To)**

- Brainard Road, two lanes





<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>🍃 Natural Diversity Area</li> <li>🟢 Existing Transmission Line</li> <li>🟡 Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Right-of-Way (Existing)</li> <li>⚡ Right-of-Way (Expanded)</li> <li>⚡ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>🌿 Wetland Boundary</li> <li>🌿 Wetland/Watercourse Buffer</li> <li>🌊 Watercourse</li> <li>🟡 Confirmed Vernal Pool</li> <li>🏠 Town Line</li> </ul>	<ul style="list-style-type: none"> <li>🏠 Wetland Area</li> <li>🏠 100 Year Flood Zone</li> <li>🏠 Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**


Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 05 of 16



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 6 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Brainard Road  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Commercial/Industrial

**Future Land Use**

- Zoning (current):
  - Residential (R-33)
  - Business regional (BR)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential
- Recreational
- Commercial/Industrial
- Forest

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants

**Existing Ledge, Cut, and Fill**

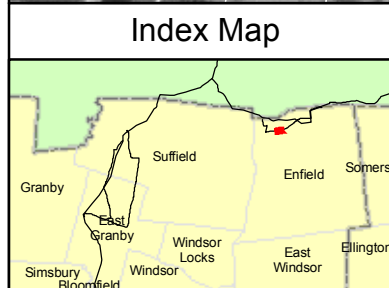
- Cuts made for road construction

**Terrain**

- Flat to rolling hills

**Roads (Aligned Within or Adjacent To)**

- Brainard Road, two lanes



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>🍷 Natural Diversity Area</li> <li>🟢 Existing Transmission Line</li> <li>🟡 Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Right-of-Way (Existing)</li> <li>⚡ Right-of-Way (Expanded)</li> <li>⚡ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>🟢 Wetland Boundary</li> <li>🟢 Wetland/Watercourse Buffer</li> <li>🟢 Watercourse</li> <li>🟡 Confirmed Vernal Pool</li> <li>🟡 Town Line</li> </ul>	<ul style="list-style-type: none"> <li>🟦 Wetland Area</li> <li>🟦 100 Year Flood Zone</li> <li>🟦 Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**


Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 06 of 16



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 7 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Brainard Road  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Commercial/Industrial

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential
- Recreational
- Forest

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants

**Existing Ledge, Cut, and Fill**

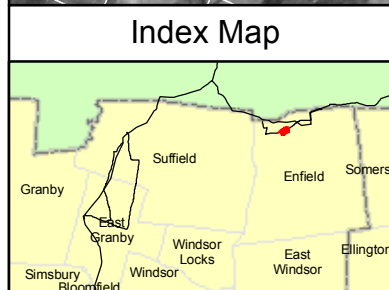
- Cuts made for road construction

**Terrain**

- Flat to rolling hills

**Roads (Aligned Within or Adjacent To)**

- Brainard Road, two lanes



<ul style="list-style-type: none"> <li>● Existing Line Structure to Remain</li> <li>○ Existing Line Structure To Be Removed</li> </ul>	<ul style="list-style-type: none"> <li>□ Potential Transition Station</li> <li>🟡 Natural Diversity Area</li> <li>🟢 Existing Transmission Line</li> <li>🟠 Proposed Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Right-of-Way (Existing)</li> <li>⚡ Right-of-Way (Expanded)</li> <li>⚡ 345-kV Underground Variation</li> </ul>	<ul style="list-style-type: none"> <li>🟢 Wetland Boundary</li> <li>🟢 Wetland/Watercourse Buffer</li> <li>🟢 Watercourse</li> <li>🟡 Confirmed Vernal Pool</li> <li>🟠 Town Line</li> </ul>	<ul style="list-style-type: none"> <li>🟦 Wetland Area</li> <li>🟦 100 Year Flood Zone</li> <li>🟦 Property Line</li> </ul>
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1 inch equals 100 feet


0 100 200 Feet

Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**


Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 07 of 16



**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 8 of 16:**

**Massachusetts State Route 220/Enfield Underground Line Route Variation  
Brainard Road  
Town of Enfield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Commercial/Industrial

**Future Land Use**

- Zoning (current):
  - Residential (R-33)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and commercial/industrial

**RIGHT-OF-WAY DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants

**Existing Ledge, Cut, and Fill**

- Cuts made for road construction

**Terrain**

- Flat to rolling hills

**Roads (Aligned Within or Adjacent To)**

- Brainard Road, two lanes