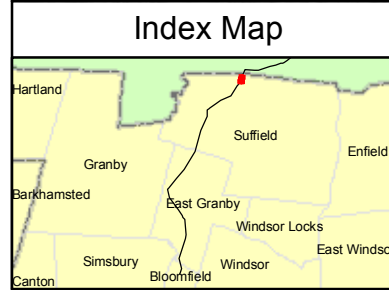
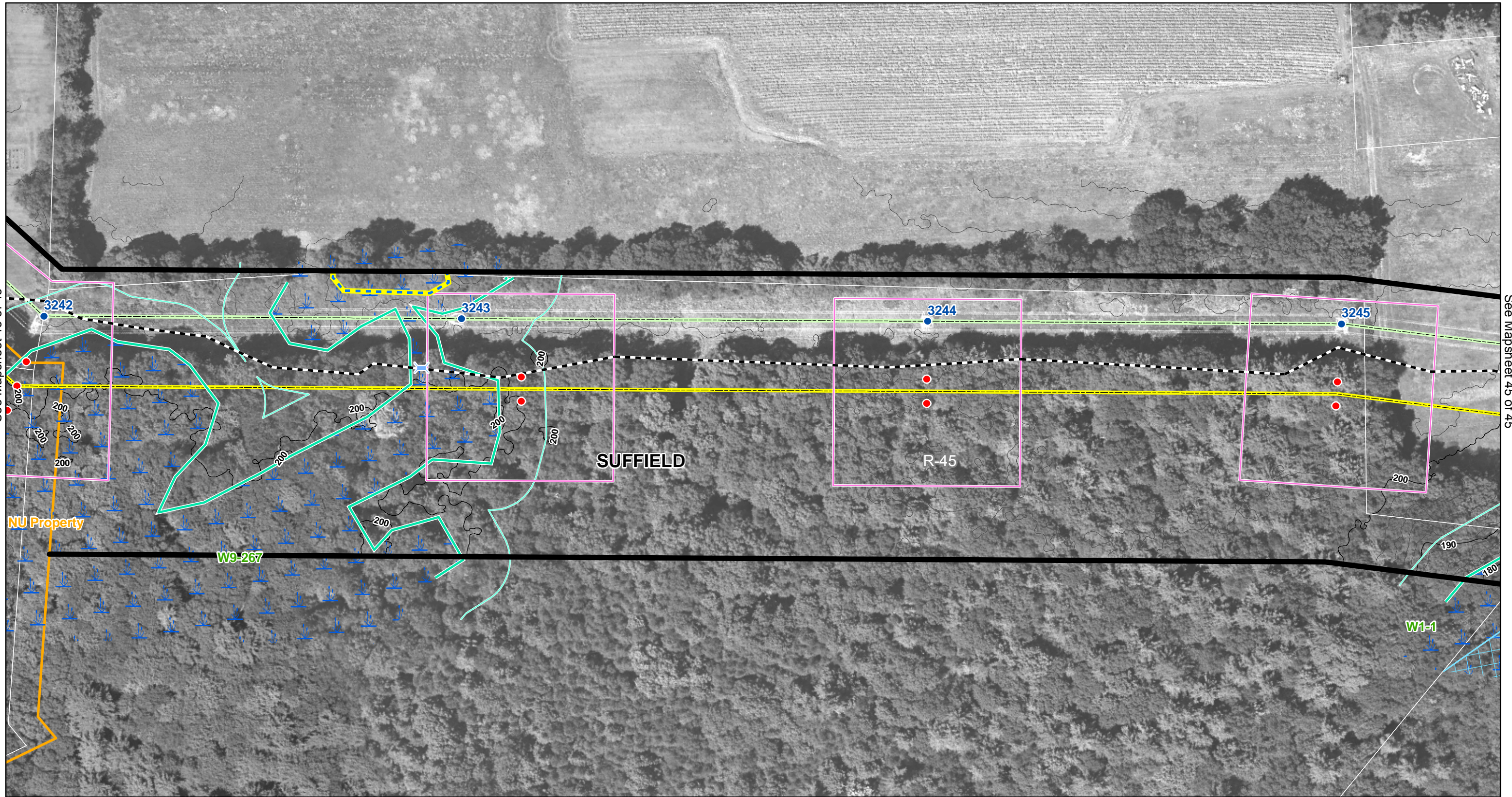


See Mapsheet 43 of 45

See Mapsheet 45 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: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route

Mapsheets 44 of 45



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

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Date: September 2008



**MAPSHEET 45 of 45:**

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route  
Existing Structure Locations 3246 to 3247  
Town of Suffield, CT and Town of Agawam, MA**

**AREA DESCRIPTION**

**Existing Land Use**

- Town of Suffield, CT
  - Agricultural
  - Residential
- Town of Agawam, MA
  - Agricultural
  - Residential

**Future Land Use**

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

**Natural Systems**

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

**Visual Character**

- Residential, agricultural, and forest

**RIGHT-OF-WAY DESCRIPTION**

**Adjacent Land Use**

- Agricultural adjacent to structure 3246
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland No. W1-1
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Emergent Wetlands
- Stream No. S1-1
- Confirmed Vernal Pool

**Potential Access**

- Structures 3246-3247 can be accessed from Ratley Road

**Right-of-Way Vegetation**

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

**Terrain**

- Broad and flat between structures

**Existing Right-of-Way Width**

- 305 feet

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

- 100 feet

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

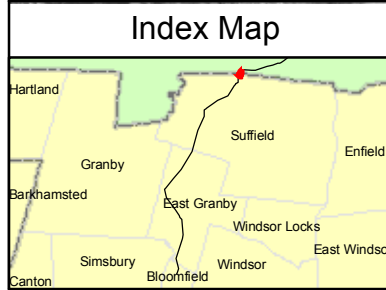
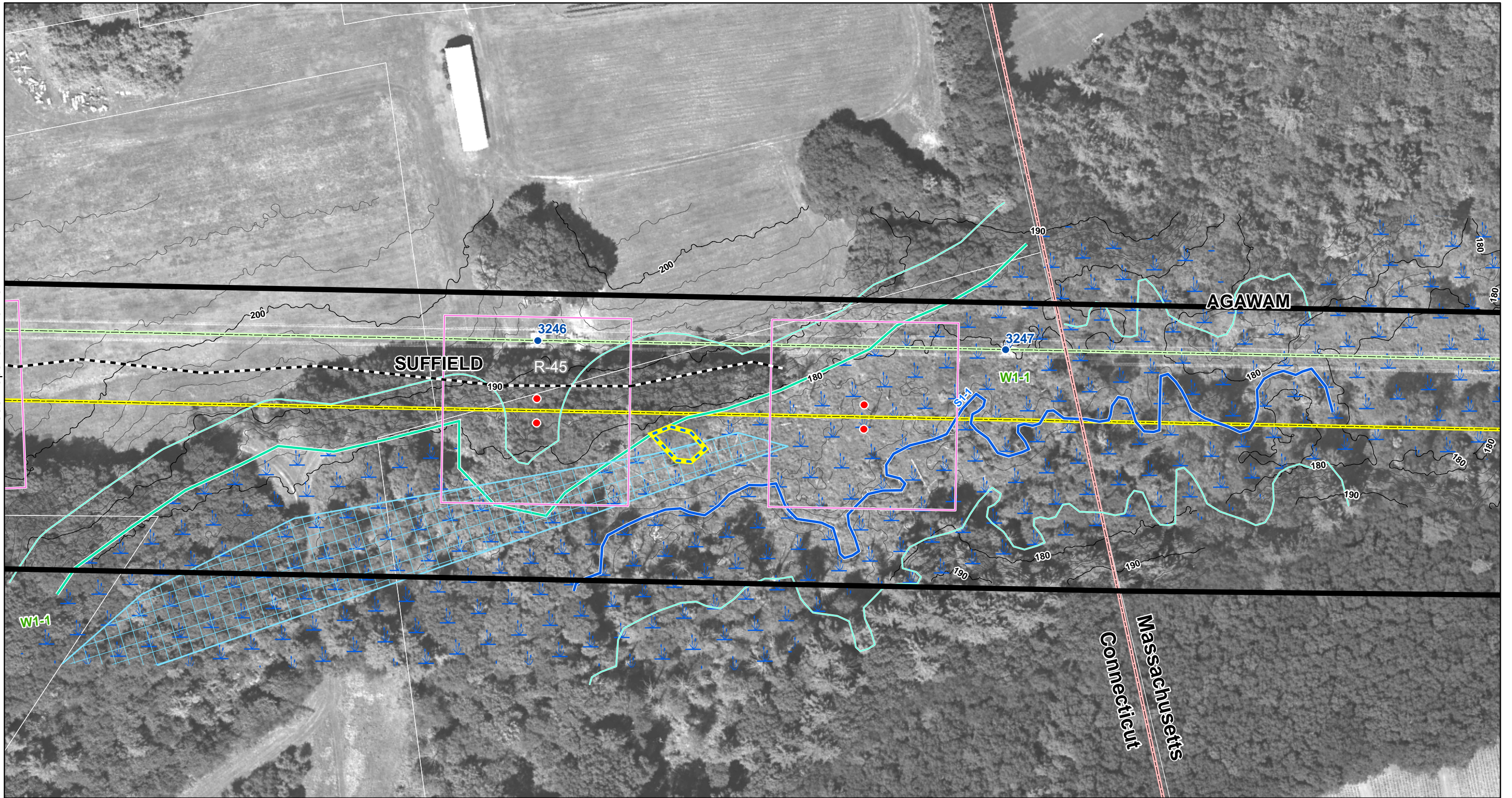
- 25-110 feet

**Road Crossings/Major Utility Crossings**

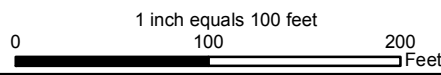
- None



See Mapsheet 44 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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Data Source: 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

**Greater Springfield Reliability Project**  
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route  
 Mapsheet 45 of 45

**Connecticut Light & Power**  
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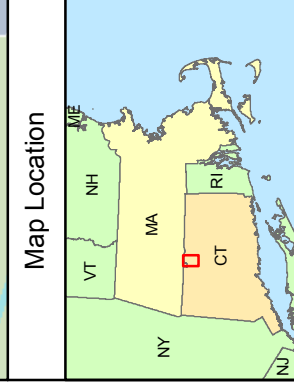
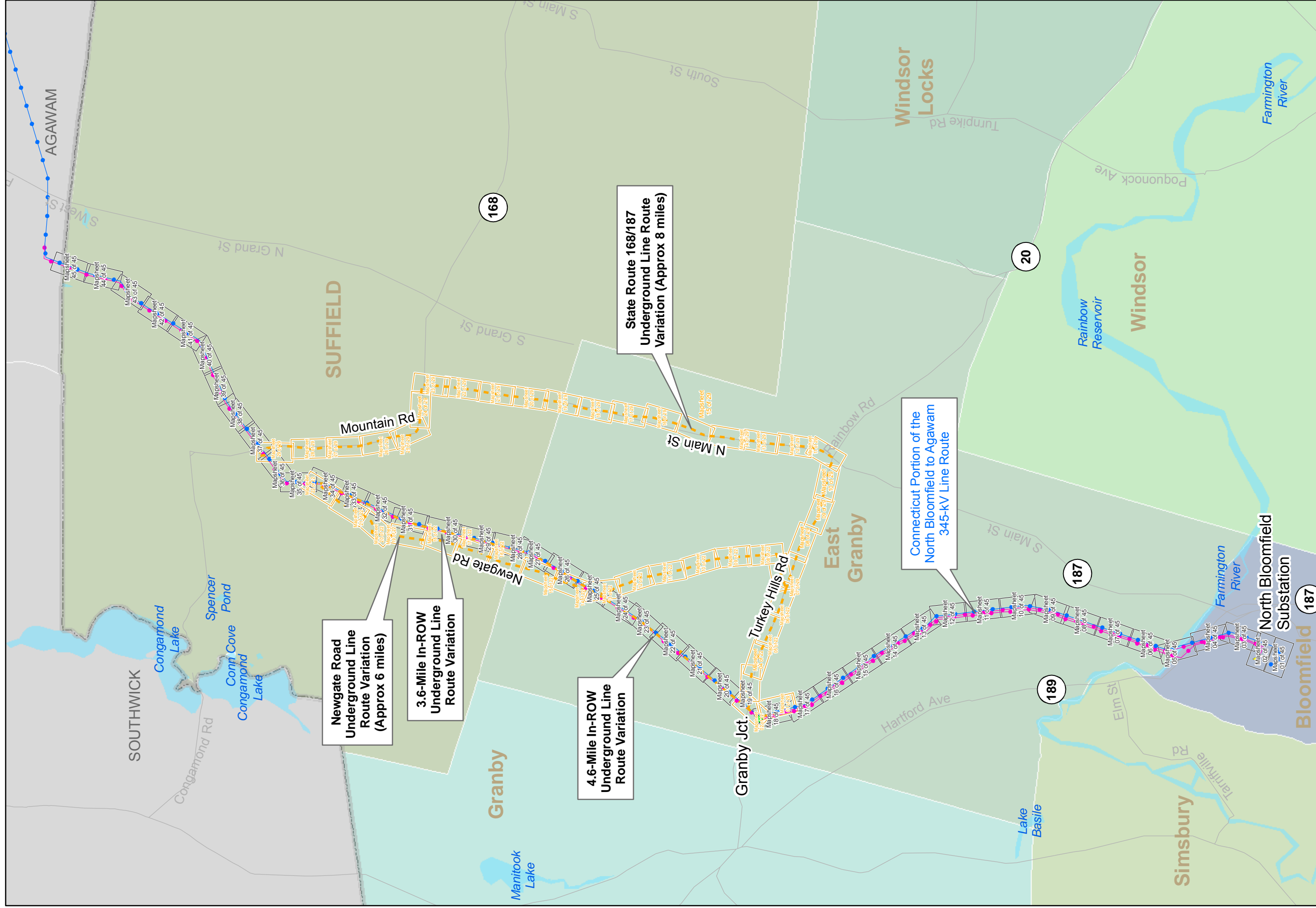
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- Electric Transmission Routes**
- Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
  - Underground Line Route Variations
  - Existing 115-kV Line

- Overhead Index Map Sheets (Sheets 1-45)
- Underground Line Route Variations Index Map Sheets
- 3.6-Mile and 4.6-Mile In-ROW Underground Line Route Variations Index Map Sheets (Sheets 18-35 only)

**Greater Springfield Reliability Project Index Map**

Connecticut

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

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Date: September 2008

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**MAPSHEET 1 of 22:**

**Newgate Road Underground Line Route Variation  
Existing Structure 3176 to 3178  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural

**Future Land Use**

- Zoning (current):
  - Agricultural (A)
  - Residential (R-40)

**Natural Systems**

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

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland No. W9-243
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Confirmed Vernal Pool

**Potential Access**

- Potential transition station can be accessed from State Route 20/Turkey Hills Road

**Vegetation**

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

**Terrain**

- Broad and flat

**Existing Right-of-Way Width**

- 385 feet

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

- 100 feet

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

- 40-60 feet between structures 3177-3178
- Approximately 4 acres of clearing for a potential transition station

**Road Crossings/Major Utility Crossings**

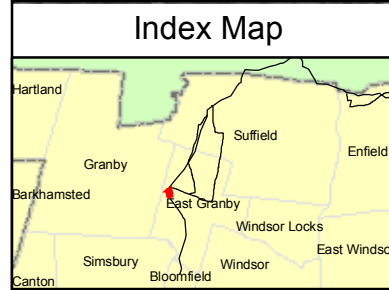
- None

*Note: Overhead Line Route description can be found on Mapsheet 18 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*





See Mapsheet 02 of 22



<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**

Newgate Road Underground Line Route Variation  
Mapsheet 01 of 22

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

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Date: September 2008



**Newgate Road Underground Line Route Variation  
Existing Structure 3178 to Turkey Hills Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential
- Designated Open Space

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)

**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

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W9-243, and W9-244
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Confirmed Vernal Pools

**Potential Access**

- ROW can be accessed from State Route 20/Turkey Hills Road

**Vegetation**

- Open Field – Shrub, Upland and Wetland Forest (in un-cleared portion of right-of-way), House/Yard
- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants along Turkey Hills Road

**Existing Ledge, Cut and Fill**

- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Broad and flat between structures 3178-3180
- Broad, rolling hills along Turkey Hills Road

**Existing Right-of-Way Width**

- 385 feet

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

- 100 feet between structures 3178-3180

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

- 40-60 feet between structures 3178-3180

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

- State Route 20/Turkey Hills Road, two lanes

*Note: Overhead Line Route description can be found on Mapsheet 19 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*

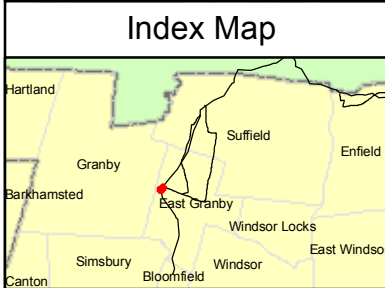




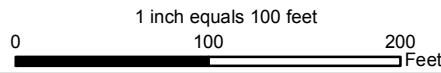
See Mapsheet 01 of 22

See Mapsheet 20 of 45

See Mapsheet 03 of 22



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



### Greater Springfield Reliability Project

Newgate Road  
 Underground Line  
 Route Variation  
 Mapsheet 02 of 22

Date: September 2008



**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential
- Designated Open Space

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)
  - Multi-family designed residence (MFDR)

**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 agricultural

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-268, and W10-269
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-103, and S10-104

**Vegetation**

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

**Existing Ledge, Cut and Fill**

- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Broad, rolling hills

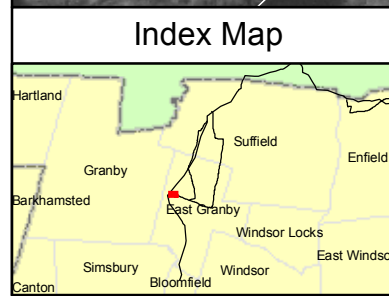
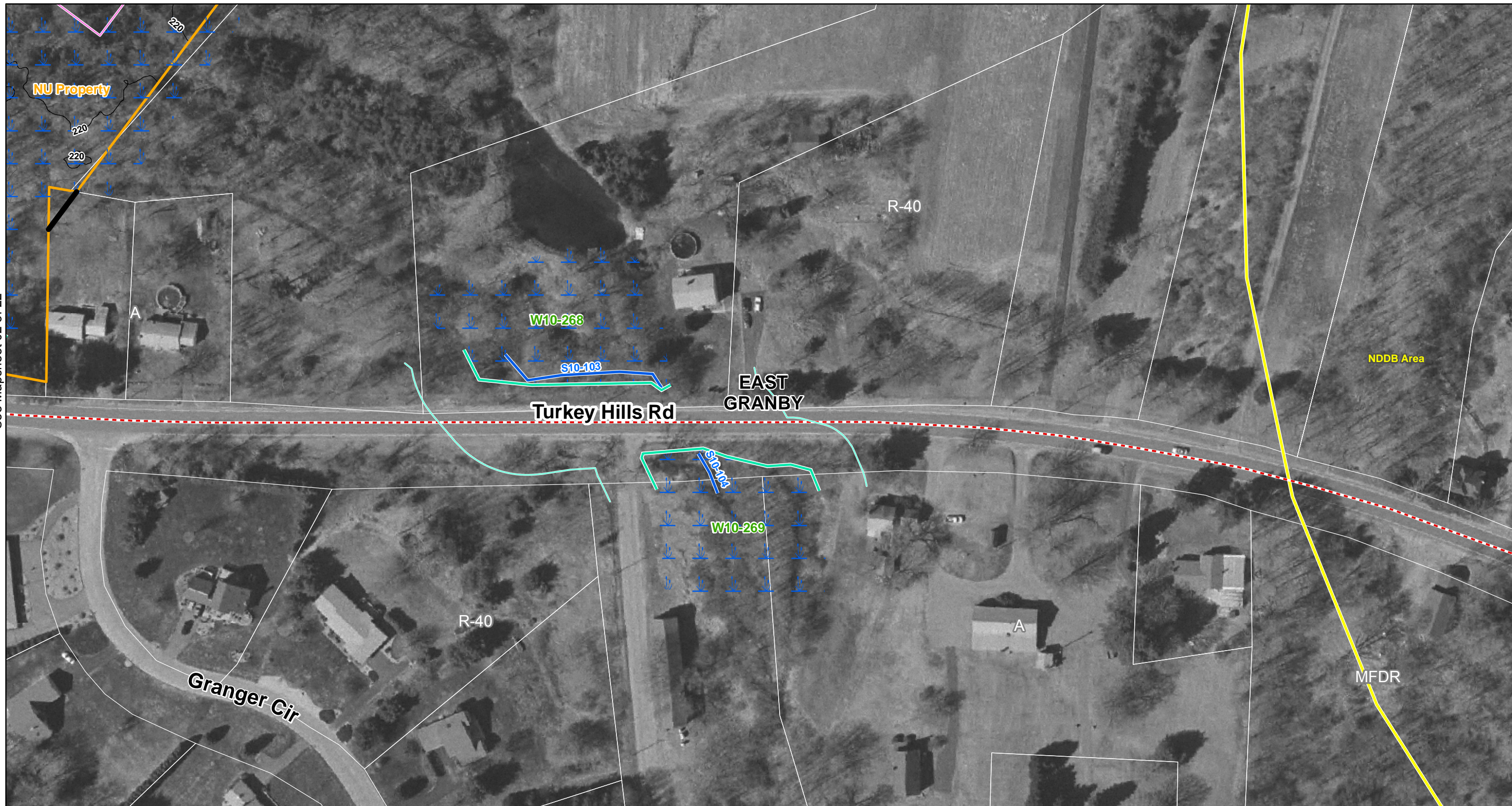
**Roads (Aligned Within or Adjacent To)**

- State Route 20/Turkey Hills Road, two lanes



See Mapsheet 02 of 22

See Mapsheet 04 of 22



<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**

Newgate Road Underground Line Route Variation  
Mapsheet 03 of 22

Connecticut Light & Power  
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Date: September 2008



**MAPSHEET 4 of 22:**

**Newgate Road Underground Line Route Variation  
State Route 20/Turkey Hills Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential
- Designated Open Space

**Future Land Use**

- Zoning (current):
  - Residential (R-20 and R-40)
  - Agricultural (A)
  - Multi-family designed residence (MFDR)

**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 agricultural

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-270, and W10-271
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-105, and S10-106

**Vegetation**

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

**Existing Ledge, Cut and Fill**

- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Broad, rolling hills

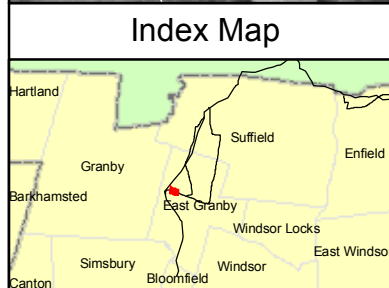
**Roads (Aligned Within or Adjacent To)**

- State Route 20/Turkey Hills Road, two lanes



See Mapsheet 03 of 22

See Mapsheet 05 of 22



<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**

Newgate Road Underground Line Route Variation

Mapsheet 04 of 22

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



**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential
- Designated Open Space

**Future Land Use**

- Zoning (current):
  - Residential (R-20 and R-40)
  - Agricultural (A)
  - Multi-family designed residence (MFDR)

**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 agricultural

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-272, W10-273, and W10-274
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream No. S10-107

**Vegetation**

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

**Existing Ledge, Cut and Fill**

- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Broad, rolling hills

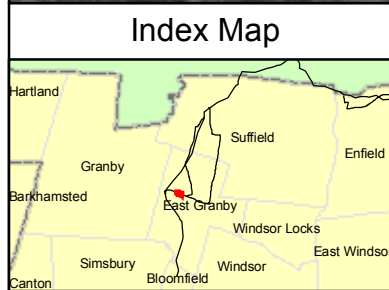
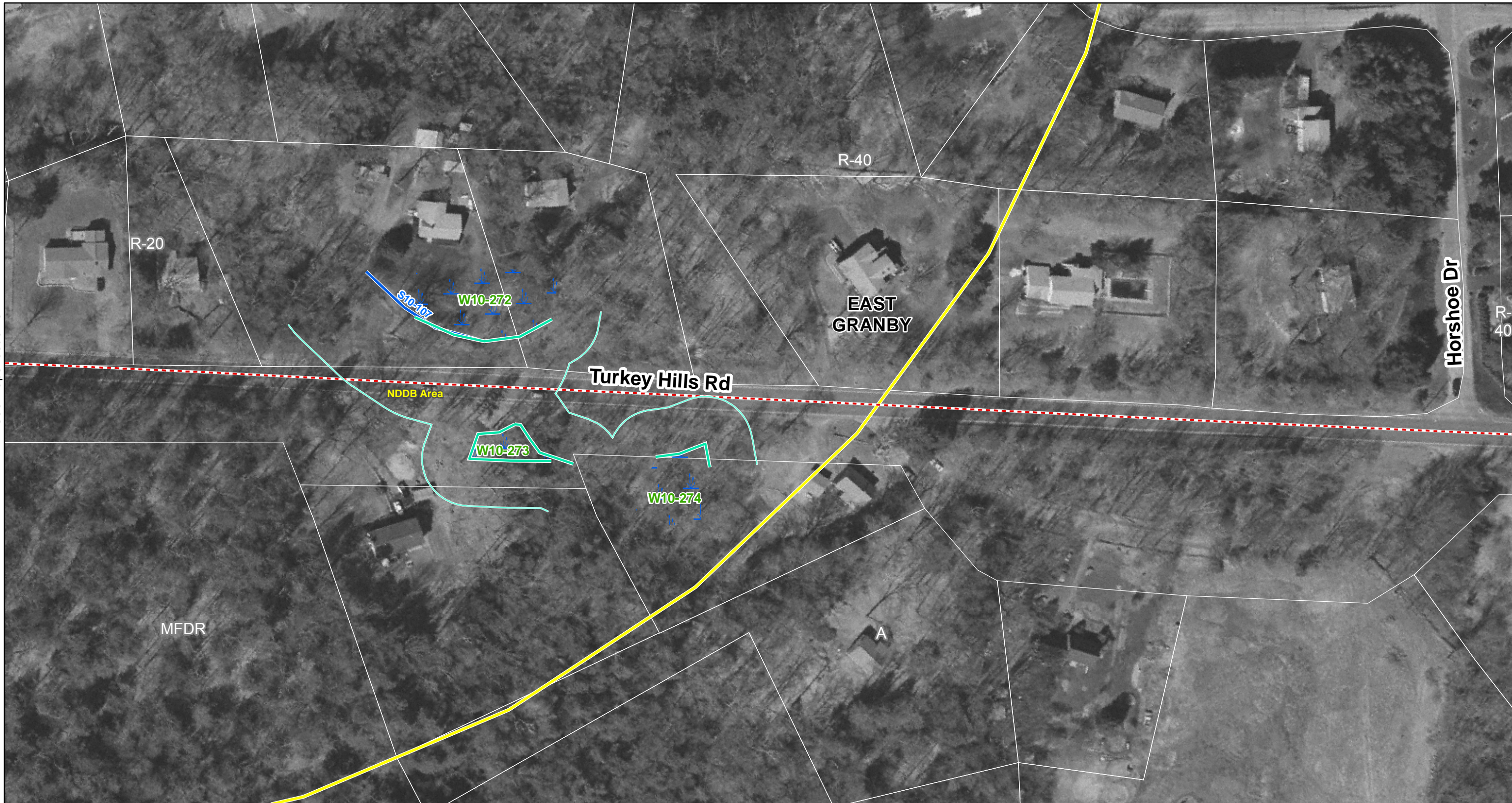
**Roads (Aligned Within or Adjacent To)**

- State Route 20/Turkey Hills Road, two lanes



See Mapsheet 04 of 22

See Mapsheet 06 of 22



<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**

Newgate Road Underground Line Route Variation

Mapsheet 05 of 22

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



**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)

**Natural Systems**

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

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-275, W10-276, and W10-277
- Wetland Cover Types – Palustrine Scrub-Shrub Wetlands, Palustrine Forested Wetlands
- Stream Nos. S10-108, and S10-109

**Vegetation**

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

**Ledge, Cut, and Fill**

- Shallow to bedrock soils east of Old Road and State Route 20/Turkey Hills Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Rolling hills

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

- State Route 20/Turkey Hills Road, two lanes
- Old Road, two lanes

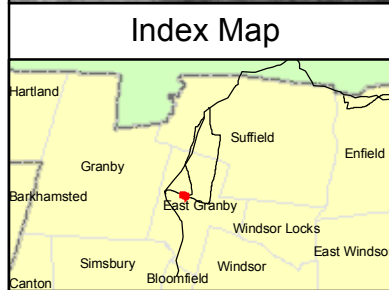
*Note: Other Underground Line Route Variation description can be found on Mapsheet 6 of 29, State Route 168/187 Underground Line Route Variation.*



See Mapsheet 05 of 22

See Mapsheet 07 of 22

See Mapsheet 07 of 29



<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**

Newgate Road Underground Line Route Variation

Mapsheet 06 of 22

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**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)

**Natural Systems**

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

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential
- Conservation

**Wetlands, Watercourses and Waterbodies**

- Wetland No. W10-277
- Wetland Cover Type – Palustrine Forested Wetlands

**Vegetation**

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

**Ledge, Cut, and Fill**

- Shallow to bedrock soils east of Old Road and State Route 20/Turkey Hills Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Rolling hills

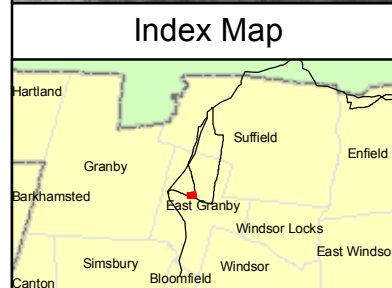
**Roads (Aligned Within or Adjacent To)**

- State Route 20/Turkey Hills Road, two lanes
- Old Road, two lanes



See Mapsheet 06 of 22

See Mapsheet 08 of 22



<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**

Newgate Road  
Underground Line  
Route Variation  
Mapsheet 07 of 22

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

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**ENSR | AECOM**

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Date: September 2008



**MAPSHEET 8 of 22:**

**Newgate Road Underground Line Route Variation  
Old Road to Newgate Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Agricultural (A)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential
- Conservation

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Ledge, Cut, and Fill**

- Cuts in ridge tops for road construction

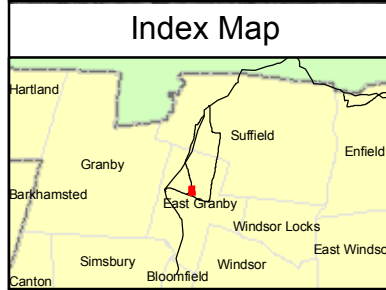
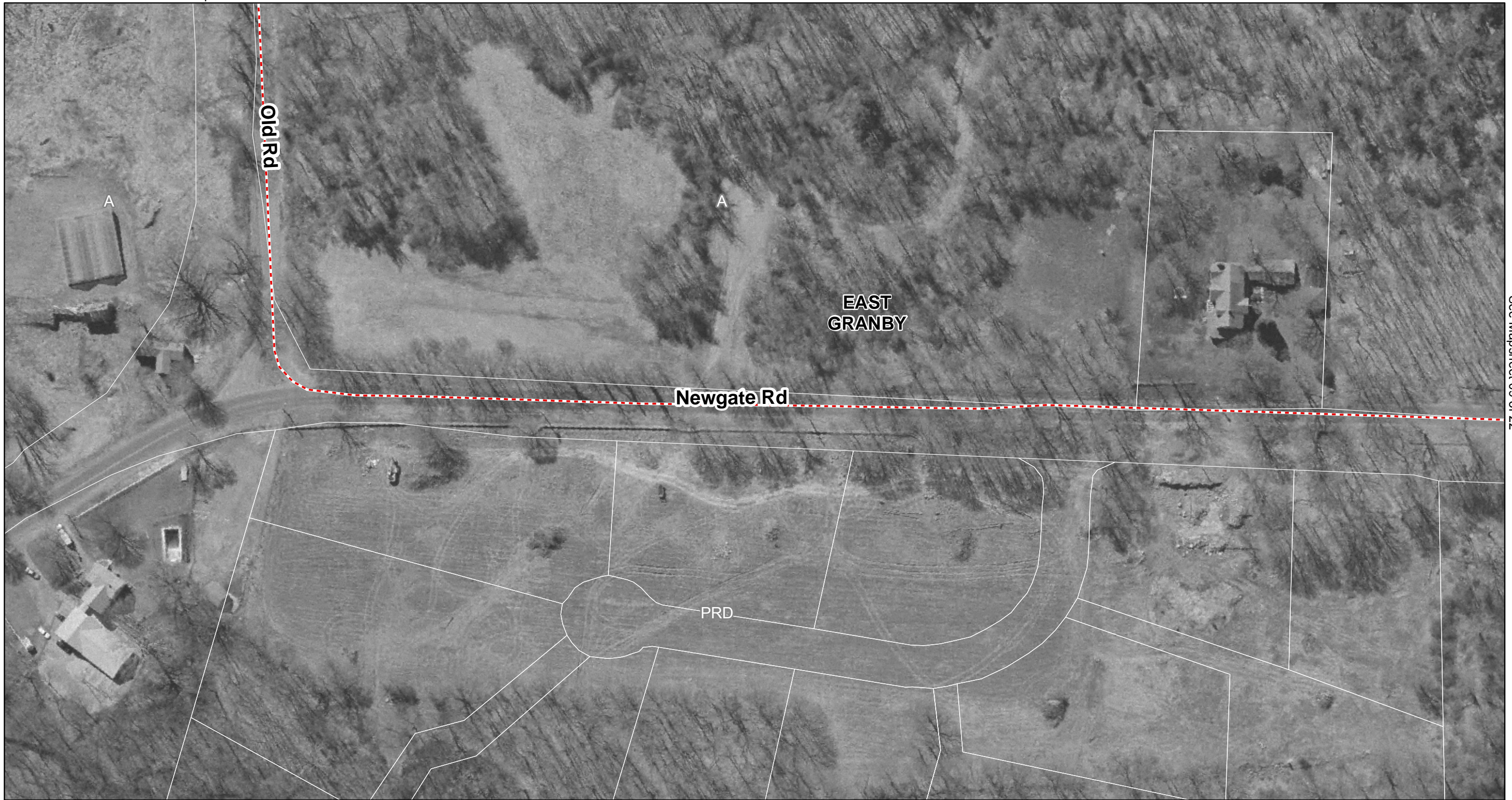
**Terrain**

- Rolling hills

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

- Old Road, two lanes
- Newgate 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**

Newgate Road  
Underground Line  
Route Variation

Mapsheet 08 of 22

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

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Date: September 2008



**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

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

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential
- Conservation

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction

**Terrain**

- Rolling hills

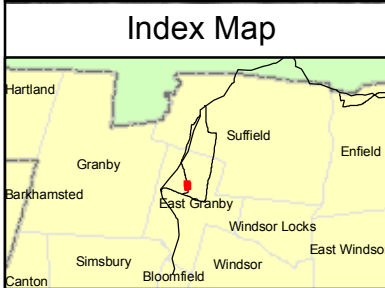
**Roads (Aligned Within or Adjacent To)**

- Newgate Road, two lanes



See Mapsheet 08 of 22

See Mapsheet 10 of 22



<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**

Newgate Road Underground Line Route Variation

Mapsheet 09 of 22

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

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Date: September 2008



**MAPSHEET 10 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential
- Conservation

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction

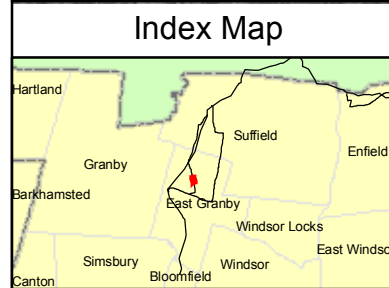
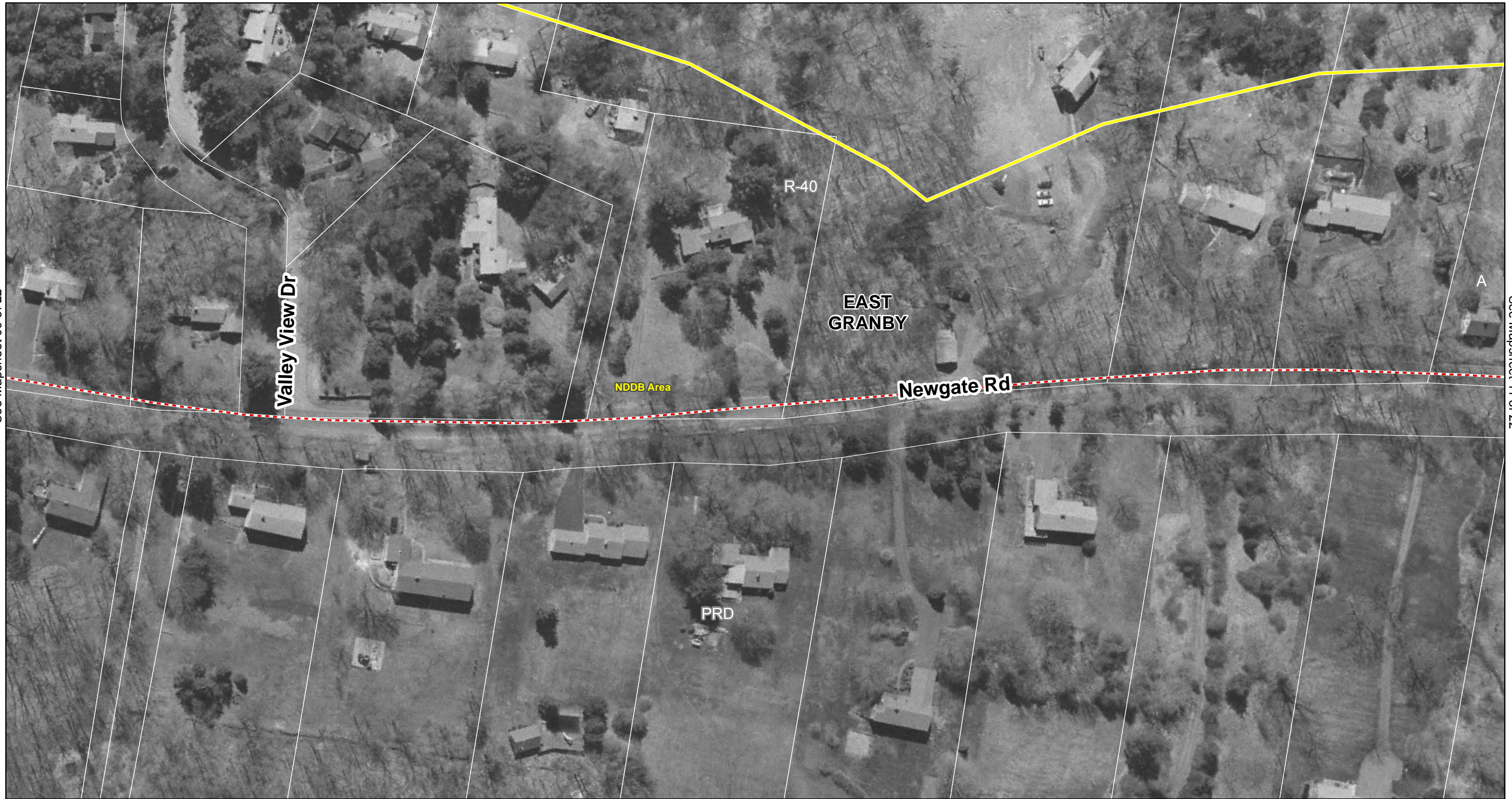
**Terrain**

- Rolling hills

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

- Newgate 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**

Newgate Road Underground Line Route Variation

Mapsheet 10 of 22

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

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**ENSR | AECOM**

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Date: September 2008



**MAPSHEET 11 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

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

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road, ledge anticipated south and north of Newgate Prison
- Cuts in ridge tops for road construction

**Terrain**

- Rolling hills

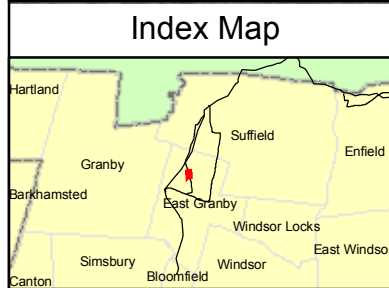
**Roads (Aligned Within or Adjacent To)**

- Newgate Road, two lanes



See Mapsheet 10 of 22

See Mapsheet 12 of 22



<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**

Newgate Road Underground Line Route Variation

Mapsheet 11 of 22

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

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Date: September 2008



**MAPSHEET 12 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Agricultural, residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- Stream Nos. S11-119, and S11-120

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

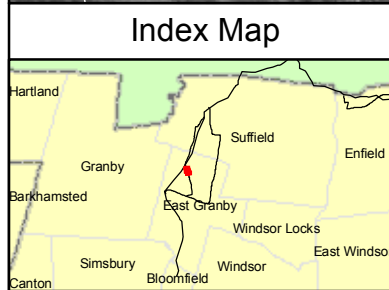
**Terrain**

- Hilly to steep

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

- Newgate 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**

Newgate Road  
Underground Line  
Route Variation

Mapsheet 12 of 22

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

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Date: September 2008



**MAPSHEET 13 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Agricultural, residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction

**Terrain**

- Hilly to steep

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

- Newgate Road, two lanes

*Note: Overhead Line Route description can be found on Mapsheet 25 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*

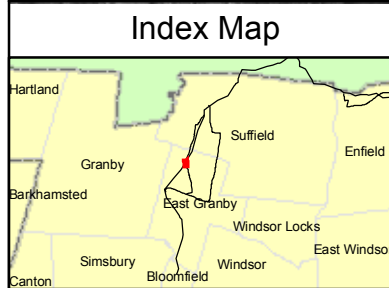




See Mapsheet 12 of 22

See Mapsheet 14 of 22

See Mapsheet 25 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 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**

Newgate Road Underground Line Route Variation

Mapsheet 13 of 22

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



**MAPSHEET 14 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction

**Terrain**

- Hilly to steep

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

- Newgate Road, two lanes

*Note: Overhead Line Route description can be found on Mapsheet 25 and 26 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*



See Mapsheet 13 of 22

See Mapsheet 15 of 22



<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**

Newgate Road Underground Line Route Variation

Mapsheet 14 of 22

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

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**ENSR | AECOM**

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Date: September 2008



**MAPSHEET 15 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-40)
  - Agricultural (A)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Agricultural, residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural
- Recreational

**Wetlands, Watercourses and Waterbodies**

- Stream Nos. S11-121, and S11-122

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

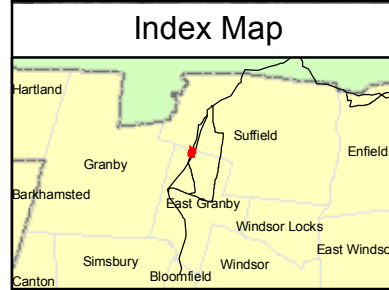
**Terrain**

- Hilly to steep

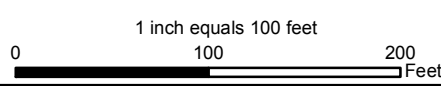
**Roads (Aligned Within or Adjacent To)**

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



### Greater Springfield Reliability Project

Newgate Road  
 Underground Line  
 Route Variation  
 Mapsheet 15 of 22



Date: September 2008



**MAPSHEET 16 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Towns of East Granby and Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural

**Future Land Use**

- Town of East Granby
  - Zoning (current):
    - Residential (R-90)
    - Agricultural (A)
  - Zoning (Plan of Development):
    - Residential development (PRD)
- Town of Suffield
  - Zoning (current)
    - Residential (R-90)

**Natural Systems**

- Newgate Pond
- 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
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W11-308, and W11-309
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S11-123, and S11-124

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

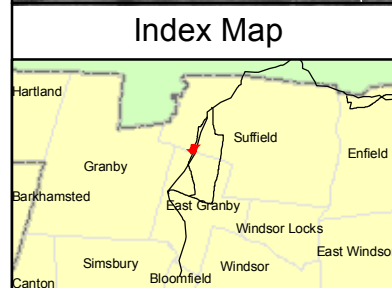
**Terrain**

- Hilly to steep

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

- Newgate 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**

Newgate Road  
Underground Line  
Route Variation

Mapsheet 16 of 22

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

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**ENSR | AECOM**

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Date: September 2008



**MAPSHEET 17 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-90)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction

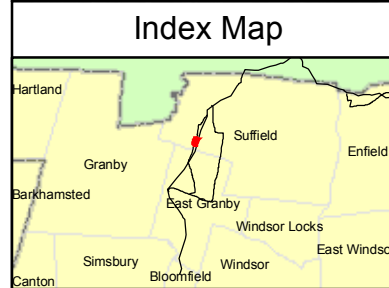
**Terrain**

- Hilly to steep

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

- Newgate 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**

Newgate Road  
Underground Line  
Route Variation

Mapsheet 17 of 22

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

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Date: September 2008



**MAPSHEET 18 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-90)

**Natural Systems**

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

**Visual Character**

- Residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W11-310, and W11-311
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S11-125, S11-126, S11-127, S11-128, S11-129, and S11-130

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

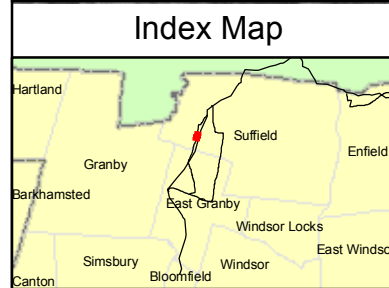
- Hilly to steep

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

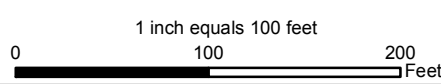
- Newgate Road, two lanes

*Note: Overhead Line Route description can be found on Mapsheet 30 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*





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



**Greater Springfield  
 Reliability Project**

Newgate Road  
 Underground Line  
 Route Variation

Mapsheet 18 of 22

Date: September 2008



**MAPSHEET 19 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-90)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction

**Terrain**

- Hilly to steep

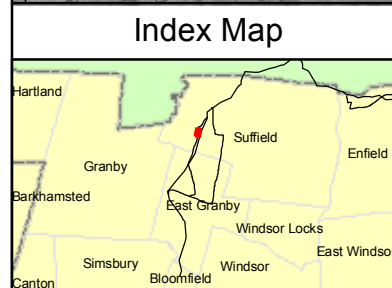
**Roads (Aligned Within or Adjacent To)**

- Newgate Road, two lanes



See Mapsheet 18 of 22

See Mapsheet 20 of 22



<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**

Newgate Road  
Underground Line  
Route Variation

Mapsheet 19 of 22

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

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Date: September 2008



**MAPSHEET 20 of 22:**

**Newgate Road Underground Line Route Variation  
Newgate Road to Phelps Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential

**Future Land Use**

- Zoning (current):
  - Residential (R-90)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- Stream Nos. S11-131, S11-132, and S11-133

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Hilly to steep

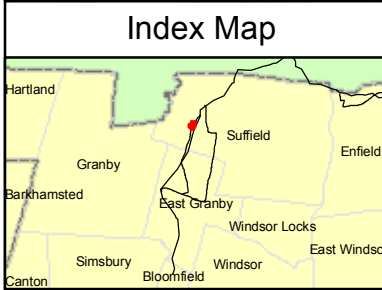
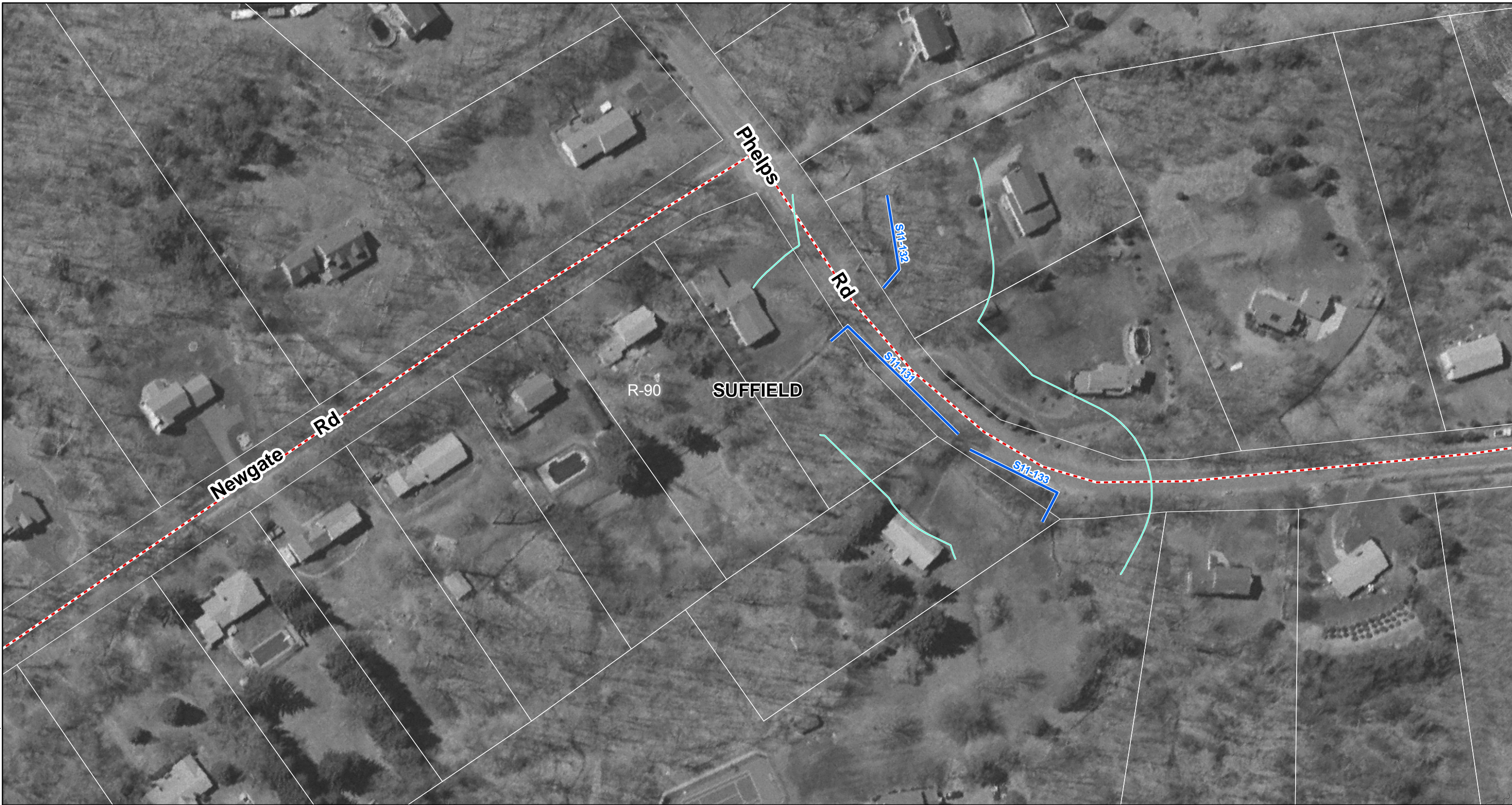
**Roads (Aligned Within or Adjacent To)**

- Newgate Road, two lanes
- Phelps Road, two lanes



See Mapsheet 19 of 22

See Mapsheet 21 of 22



<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**

Newgate Road  
Underground Line  
Route Variation  
Mapsheet 20 of 22

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

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Date: September 2008



**MAPSHEET 21 of 22:**

**Newgate Road Underground Line Route Variation  
Phelps Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational

**Future Land Use**

- Zoning (current):
  - Residential (R-90)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Agricultural, residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Shallow to bedrock soils along Newgate Road
- Cuts in ridge tops for road construction

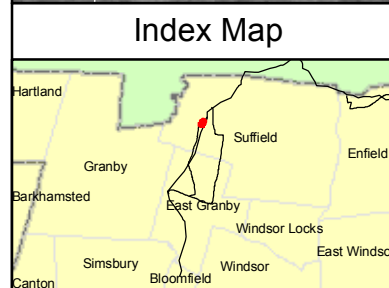
**Terrain**

- Hilly to steep

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

- Phelps 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**

Newgate Road  
Underground Line  
Route Variation

Mapsheet 21 of 22

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

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Date: September 2008



**Newgate Road Underground Line Route Variation  
Newgate Road  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Recreational

**Future Land Use**

- Zoning (current):
  - Residential (R-40)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Recreational

**Wetlands, Watercourses and Waterbodies**

- None

**Potential Access**

- Potential transition station can be accessed from Phelps Road

**Vegetation**

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants, lawns along Phelps Road
- Open Field – Shrub, Upland Forest (in un-cleared portion of right-of-way)

**Existing Ledge, Cut, and Fill**

- Cuts in ridge tops for road construction

**Terrain**

- Hilly to steep along Phelps Road
- Flat to hilly north from Phelps Road

**Existing Right-of-Way Width**

- 100 feet

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

- 100 feet between Phelps Road and structure 3219

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

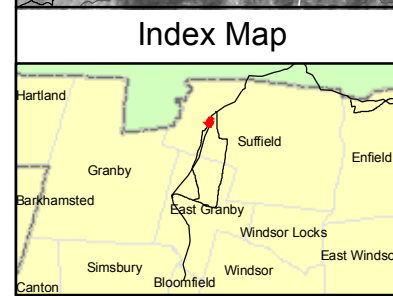
- 40-60 feet between Phelps Road and the potential transition station
- Approximately 4 acres of clearing for a potential transition station

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

- Phelps Road, two lanes

*Note: Overhead Line Route description can be found on Mapsheet 34 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*





<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**

Newgate Road Underground Line Route Variation

Mapsheet 22 of 22

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

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**ENSR | AECOM**

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Date: September 2008





**MAPSHEET 1 of 29:**

**State Route 168/187 Underground Line Route Variation  
Existing Structure 3176 to 3178  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural

**Future Land Use**

- Zoning (current):
  - Agricultural (A)
  - Residential (R-40)

**Natural Systems**

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

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Forest

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W9-243
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Confirmed Vernal Pool

**Potential Access**

- Potential transition station can be accessed from State Route 20/Turkey Hills Road

**Vegetation**

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

**Terrain**

- Broad and flat

**Existing Right-of-Way Width**

- 385 feet

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

- 100 feet

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

- 40-60 feet between structures 3177-3178
- Approximately 4 acres of clearing for a potential transition station

**Road Crossings/Major Utility Crossings**

- None

*Note: Overhead Line Route description can be found on Mapsheet 18 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route*