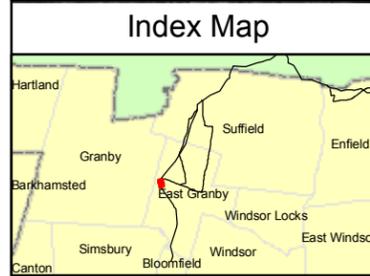


See Mapsheet 02 of 29



<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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**Greater Springfield Reliability Project**  
 State Route 168/187  
 Underground Line Route Variation  
 Mapsheet 01 of 29


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

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**ENSR | AECOM**

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Date: September 2008

**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
- Designated Open space
- 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)
- 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 and 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

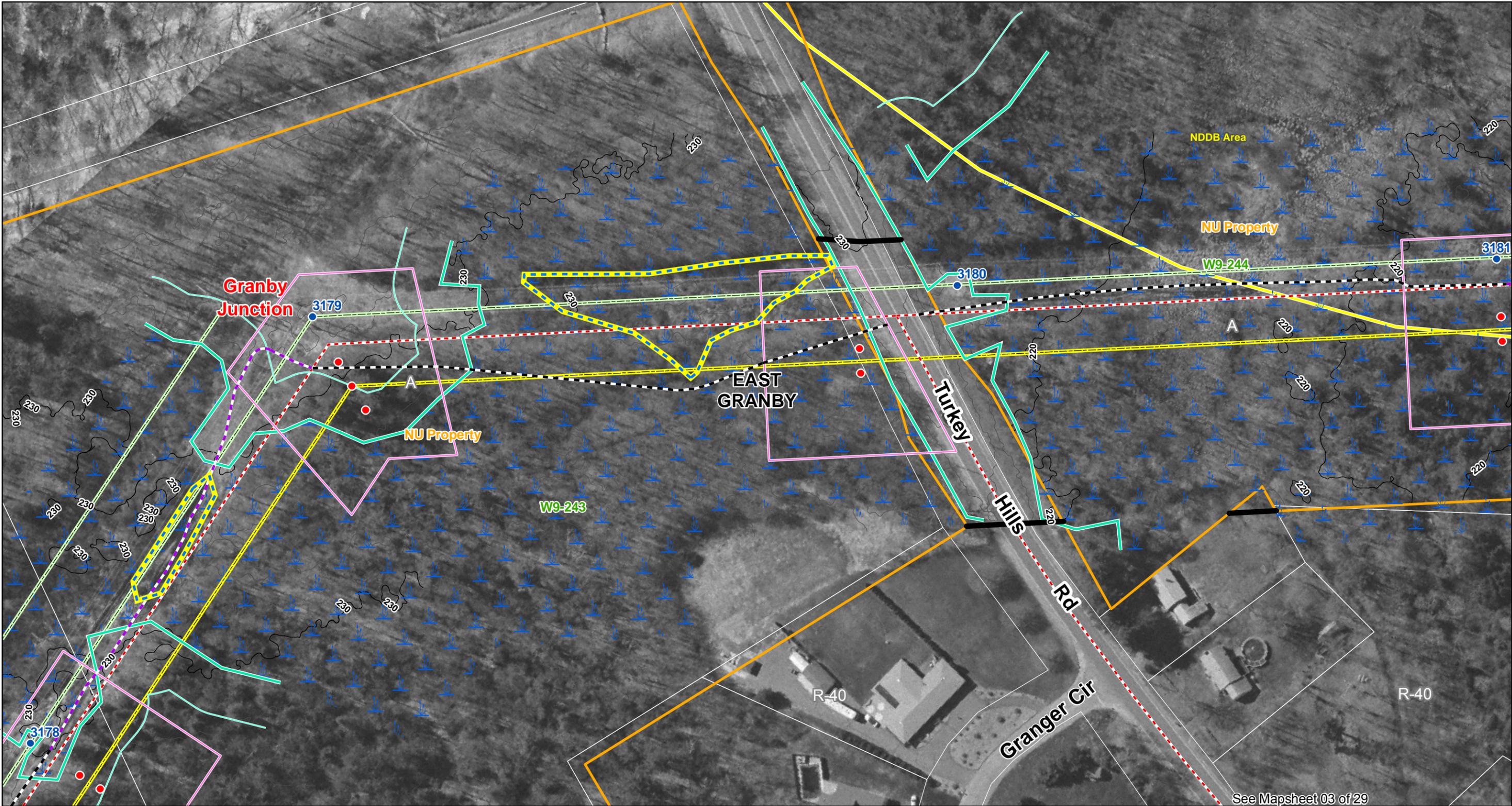
**Proposed Additional Cleared Right-of-Way Width**

- 40-60 feet between structures 3178-3180

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

- State Route 20/Turkey Hills Road, two lanes

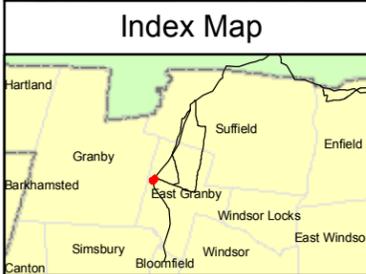
*Note: Overhead Line Route description can be found on Mapsheet 19 of 45, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route.*



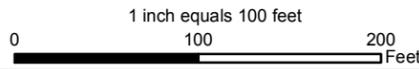
See Mapsheet 01 of 29

See Mapsheet 20 of 45

See Mapsheet 03 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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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 02 of 29

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

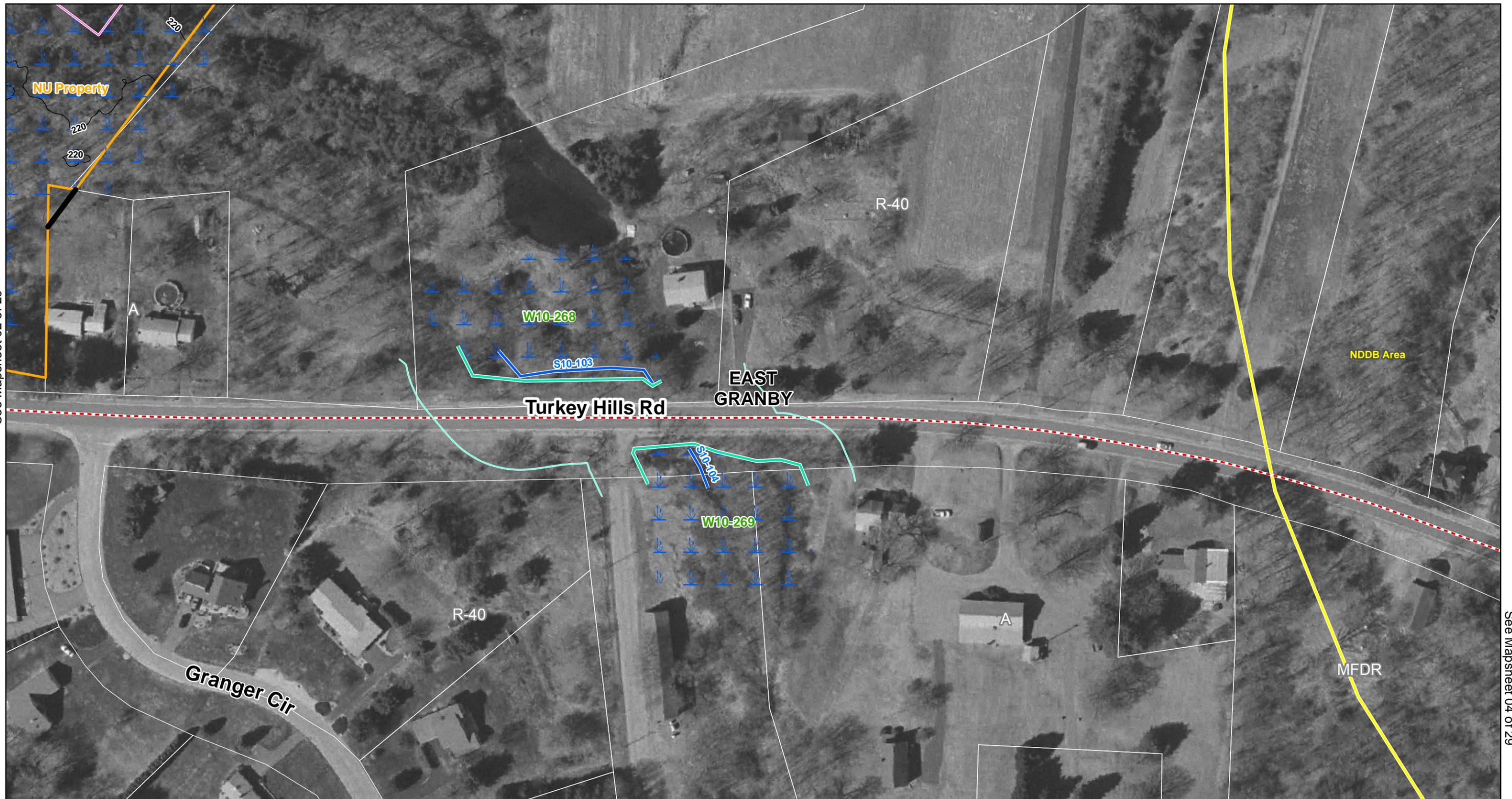
**Terrain**

- Broad, rolling hills

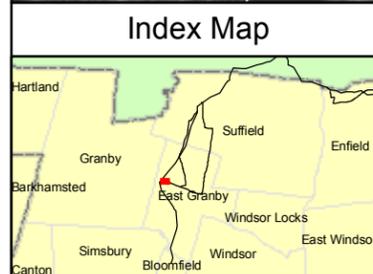
**Roads (Aligned Within or Adjacent To)**

- State Route 20/Turkey Hills Road, two lanes

See Mapsheet 02 of 29



See Mapsheet 04 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**  
 State Route 168/187  
 Underground Line Route Variation  
 Mapsheet 03 of 29



Date: September 2008

**MAPSHEET 4 of 29:**

**State Route 168/187 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**

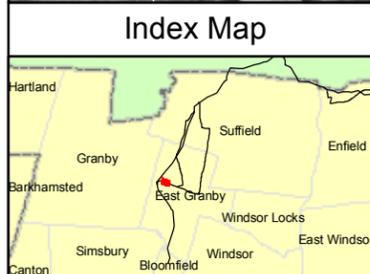
- Broad, rolling hills

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

- State Route 20/Turkey Hills Road, two lanes

See Mapsheet 03 of 29

See Mapsheet 05 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**  
 State Route 168/187  
 Underground Line  
 Route Variation  
 Mapsheet 04 of 29

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

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**ENSR | AECOM**

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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



<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 05 of 29

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

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**ENSR | AECOM**

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Date: September 2008

**MAPSHEET 6 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 20/Turkey Hills Road to Old Road  
Town of East Granby, CT**

**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

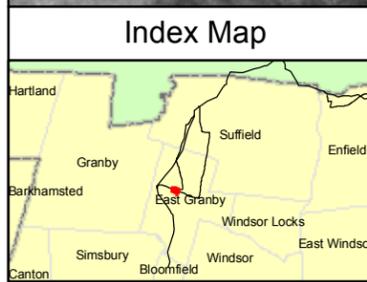
**Terrain**

- Rolling hills

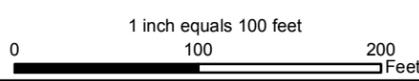
**Roads (Aligned Within or Adjacent To)**

- 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 22, Newgate Road Underground Line Route Variation.*



<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**  
 State Route 168/187  
 Underground Line  
 Route Variation  
 Mapsheet 06 of 29

 <b>Connecticut Light &amp; Power</b> <small>The Northeast Utilities System</small>
Date: September 2008

**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Agricultural
- 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
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-277, W10-278, W10-279, W10-280, and W10-281
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands

**Vegetation**

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

**Ledge, Cut, and Fill**

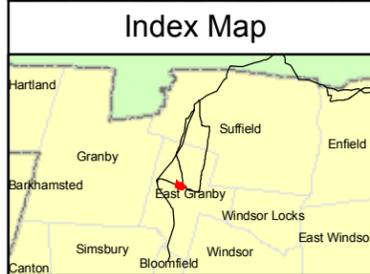
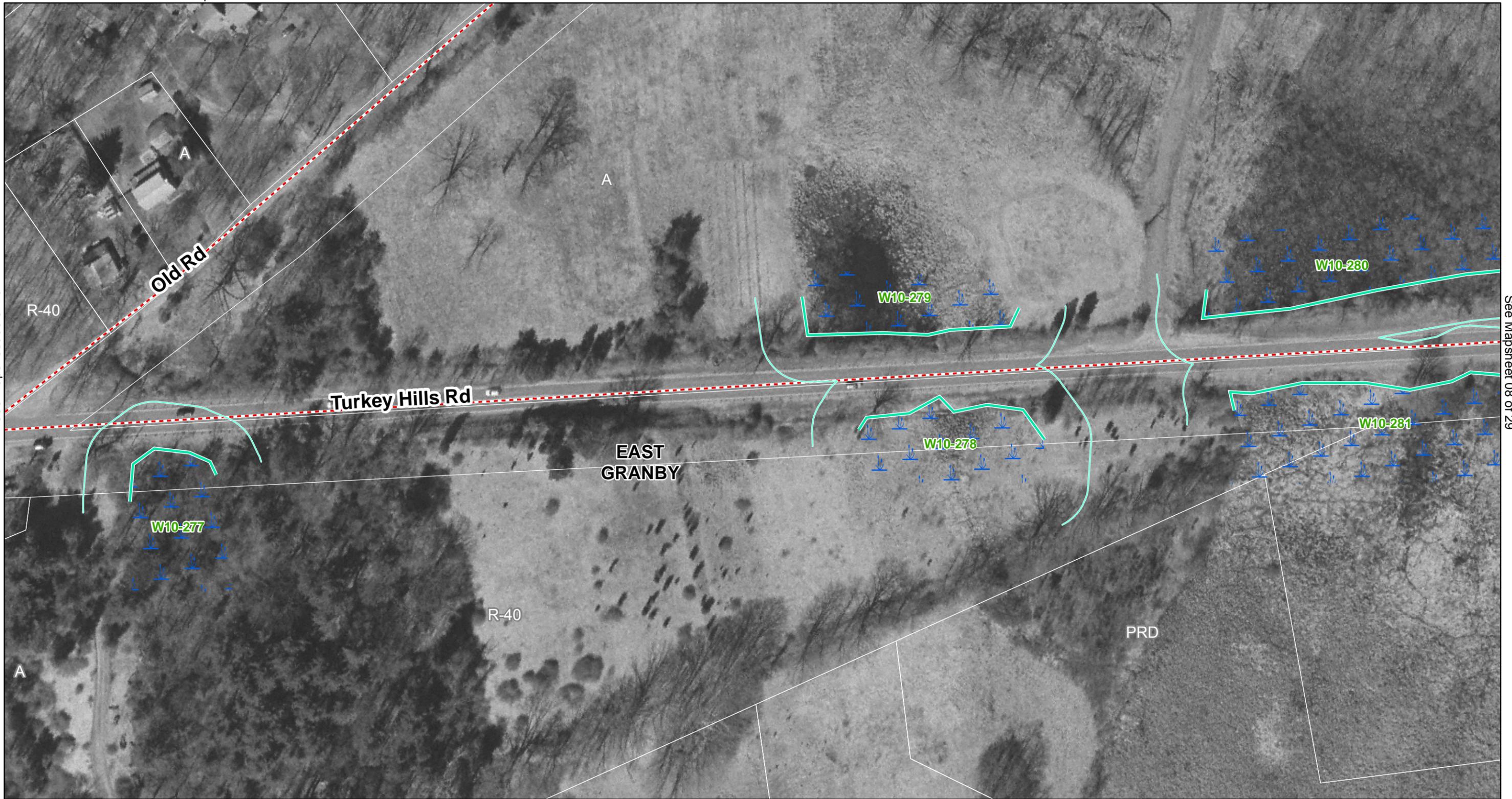
- Shallow to bedrock soils east of Old Road and State Route 20/Turkey Hills Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Rolling hills

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

- State Route 20/Turkey Hills Road, two lanes



<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 07 of 29

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

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**ENSR | AECOM**

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Date: September 2008

**MAPSHEET 8 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 20/Turkey Hills Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-30, and R-40)
  - Agricultural (A)
- Zoning (Plan of Development):
  - Residential development (PRD)

**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**

- Residential

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-280, W10-281, W10-282, and W10-283
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands

**Vegetation**

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

**Ledge, Cut, and Fill**

- Shallow to bedrock soil east of Holcomb Street and Newgate Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Broad, rolling hills west of Holcomb Street and Newgate Road intersection
- Hilly east of Holcomb Street and Newgate Road intersection

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

- State Route 20/Turkey Hills Road, two lanes

See Mapsheet 07 of 29

See Mapsheet 09 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**  
 State Route 168/187  
 Underground Line  
 Route Variation  
 Mapsheet 08 of 29



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

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**ENSR | AECOM**

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Date: September 2008

**MAPSHEET 9 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 20/Turkey Hills Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-30)
- Zoning (Plan of Development):
  - Residential development (PRD)

**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**

- Residential

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-282, W10-283, and W10-284
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands

**Vegetation**

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

**Ledge, Cut, and Fill**

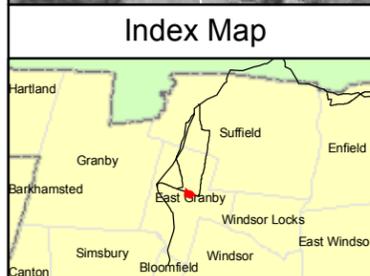
- Shallow to bedrock soil
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Hilly

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

- State Route 20/Turkey Hills 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 09 of 29

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

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**ENSR | AECOM**

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Date: September 2008

**MAPSHEET 10 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 20/Turkey Hills Road  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Designated open space
- Residential
- Conservation

**Future Land Use**

- Zoning (current):
  - Residential (R-30)
  - Business (B)
  - Professional (P)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

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

**Visual Character**

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Designated open space

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-285, W10-286, and W10-287
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-110 and S10-111 (Creamery Brook)

**Vegetation**

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

**Ledge, Cut, and Fill**

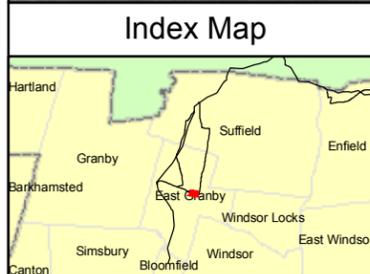
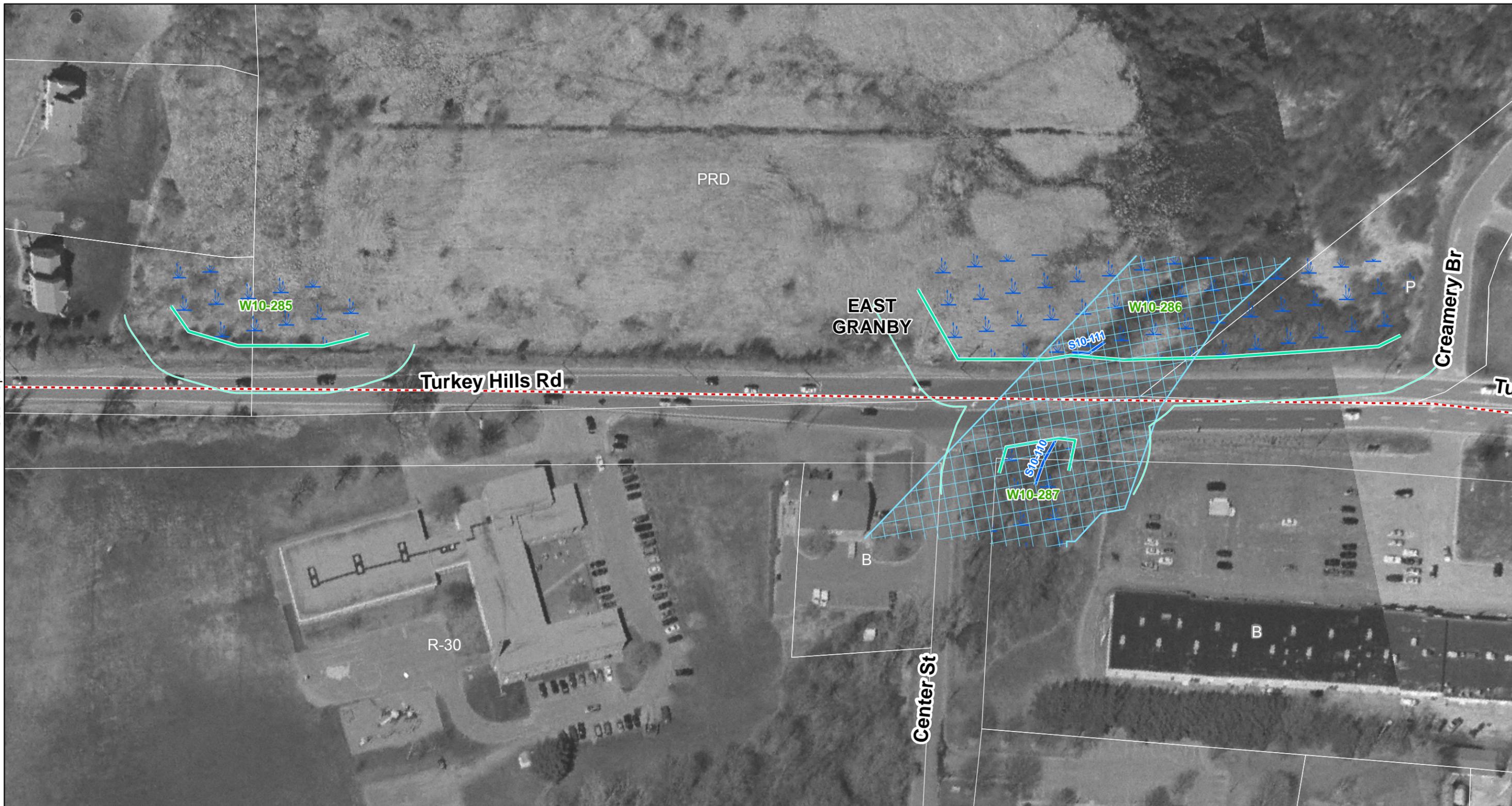
- Shallow to bedrock soil
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Hilly

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

- State Route 20/Turkey Hills 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 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 10 of 29

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Date: September 2008

## **MAPSHEET 11 of 29:**

## **State Route 168/187 Underground Line Route Variation State Route 20/Turkey Hills Road to State Route 187/North Main Street Town of East Granby, CT**

### **AREA DESCRIPTION**

#### **Existing Land Use**

- Residential
- Commercial
- Agricultural
- Designated open space

#### **Future Land Use**

- Zoning (current):
  - Residential (R-30)
  - Agricultural (A)
  - Professional (P)
  - Business (B)
- Zoning (Plan of Development):
  - Residential development (PRD)

#### **Natural Systems**

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

#### **Visual Character**

- Forest, agricultural, commercial and residential

### **UNDERGROUND ROUTE DESCRIPTION**

#### **Land Use**

- Residential
- Commercial

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

- Wetland Nos. W10-288, and W10-289
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-112 and S10-113 (Creamery Brook)

#### **Vegetation**

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

#### **Existing Ledge, Cut and Fill**

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

#### **Terrain**

- Broad, gentle slopes

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

- State Route 20/Turkey Hills Road, two lanes
- State Route 187/North Main Street, 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 11 of 29



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The Northeast Utilities System

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Date: September 2008

**MAPSHEET 12 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial
- Agricultural
- Designated open space

**Future Land Use**

- Zoning (current):
  - Residential (R-30)
  - Agricultural (A)
  - Elderly Housing (EH)
- Zoning (Plan of Development):
  - Residential development (PRD)

**Natural Systems**

- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Forest, agricultural, commercial and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Commercial

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut and Fill**

- Cuts in ridge tops for road construction

**Terrain**

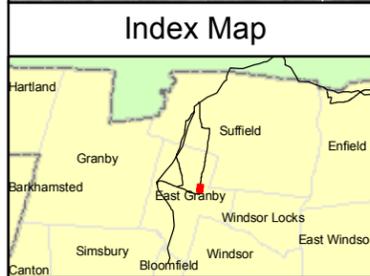
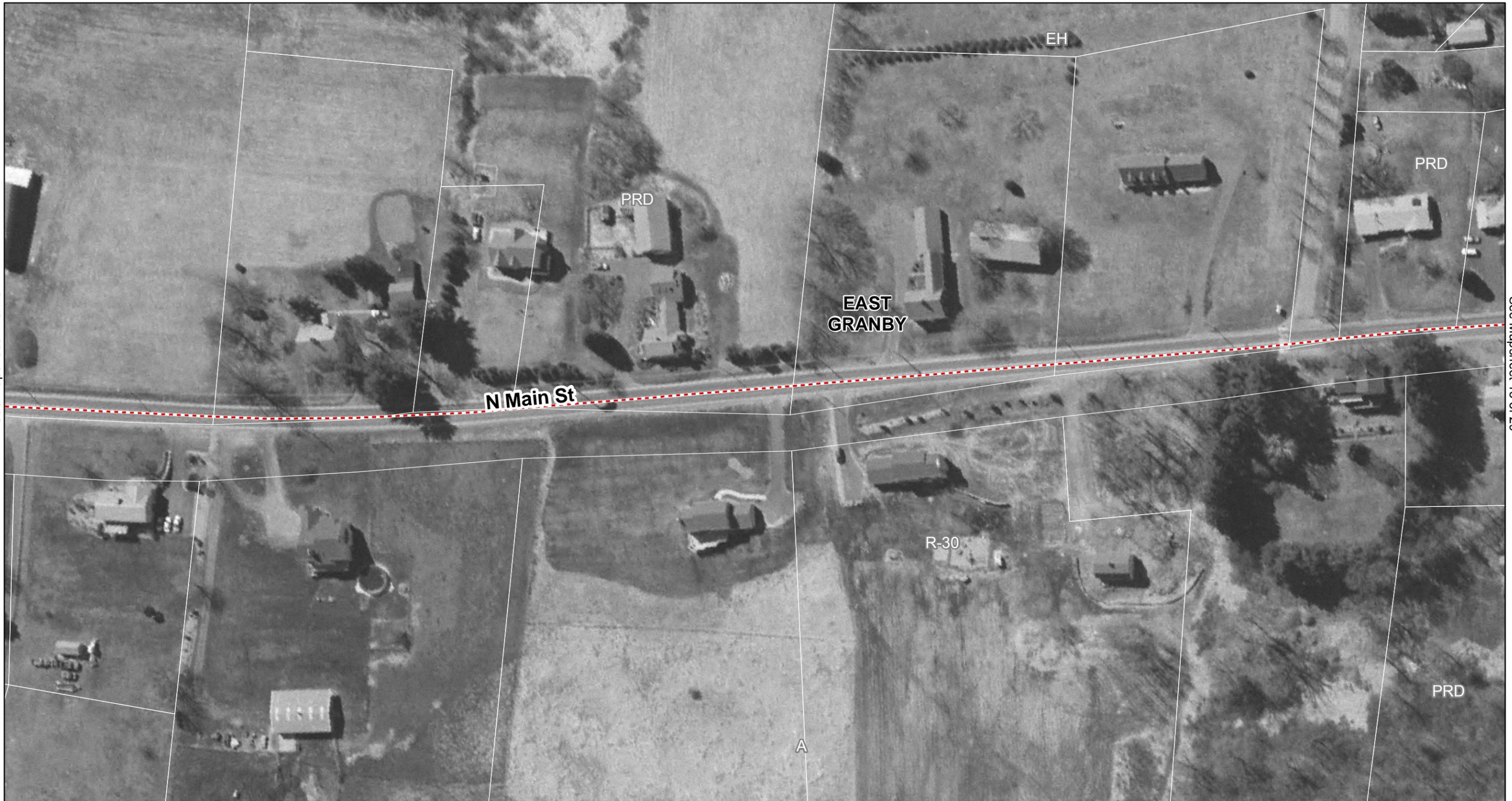
- Broad, gentle slopes

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

- State Route 187/North Main Street, two lanes

See Mapsheet 11 of 29

See Mapsheet 13 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**  
 State Route 168/187  
 Underground Line  
 Route Variation  
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Date: September 2008

**MAPSHEET 13 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Commercial
- Agricultural
- Designated open space

**Future Land Use**

- Zoning (current):
  - Residential (R-30 and 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, agricultural, commercial and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Designated open space

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut and Fill**

- Cuts in ridge tops for road construction

**Terrain**

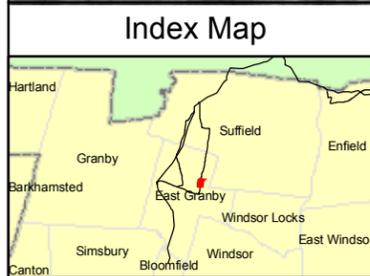
- Broad, gentle slopes

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

- State Route 187/North Main Street, two lanes

See Mapsheet 12 of 29

See Mapsheet 14 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**  
 State Route 168/187  
 Underground Line  
 Route Variation  
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Date: September 2008

**MAPSHEET 14 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural
- Designated open space

**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
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest, agricultural, commercial and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Designated open space

**Wetlands, Watercourses and Waterbodies**

- Wetland No. W10-290
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands

**Vegetation**

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

**Existing Ledge, Cut and Fill**

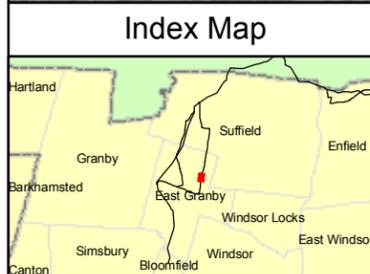
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Broad, gentle slopes

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

- State Route 187/North Main Street, 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  
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Date: September 2008

**MAPSHEET 15 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural
- Designated open space

**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
- State/Federal Jurisdictional Wetlands

**Visual Character**

- Forest, agricultural, commercial and residential

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-290, and W10-291
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream No. S10-114

**Vegetation**

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

**Existing Ledge, Cut and Fill**

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

**Terrain**

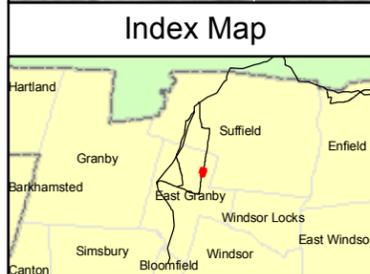
- Broad, gentle slopes

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

- State Route 187/North Main Street, two lanes

See Mapsheet 14 of 29

See Mapsheet 16 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**  
 State Route 168/187  
 Underground Line Route Variation  
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**ENSR | AECOM**

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Date: September 2008

**MAPSHEET 16 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential

**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**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

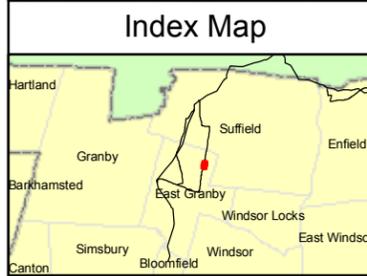
- Cuts in ridge tops for road construction

**Terrain**

- Hilly west of underground route

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

- State Route 187/North Main Street, 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  
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**MAPSHEET 17 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential

**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**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

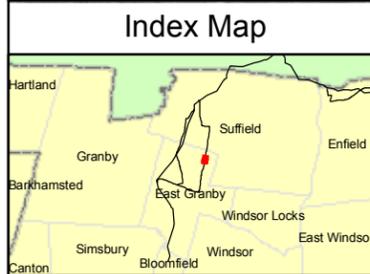
- Ledge west of underground route (approximately 770 feet north of Ridge Blvd) and adjacent to State Route 187/North Main Street
- Cuts in ridge tops for road construction

**Terrain**

- Hilly west of underground route, south of Ridge Boulevard
- Broad, rolling hills north of Ridge Boulevard

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

- State Route 187/North Main Street, 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 17 of 29



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The Northeast Utilities System

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Date: September 2008

**MAPSHEET 18 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street  
Town of East Granby, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential

**Future Land Use**

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

**Natural Systems**

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

**Visual Character**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-292, W10-293, and W10-294
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-115 and S10-116 (Austin Brook)

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

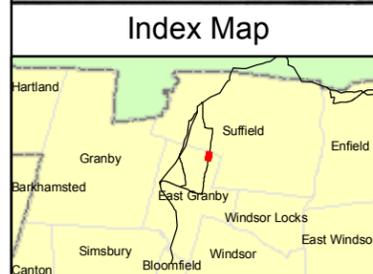
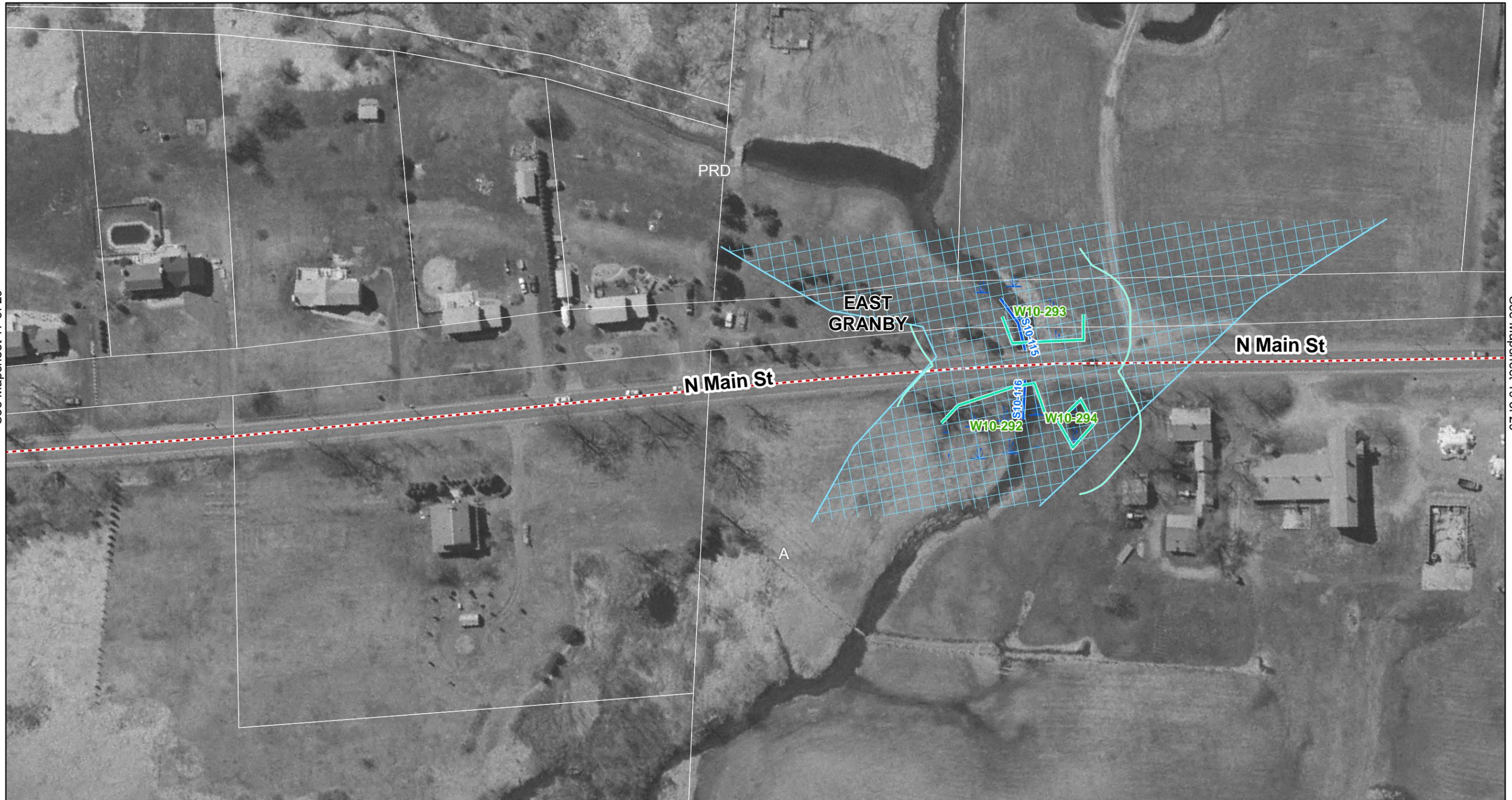
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Broad, rolling hills

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

- State Route 187/North Main Street, 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 18 of 29

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

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Date: September 2008

**MAPSHEET 19 of 29:**

**State Route 168/187 Underground Line Route Variation  
State Route 187/North Main Street to South Stone Street  
Towns of East Granby and Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Agricultural
- Residential

**Future Land Use**

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

**Natural Systems**

- Austin Brook
- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Agricultural
- Residential

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

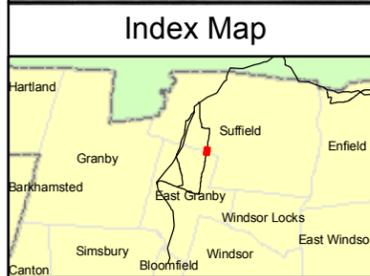
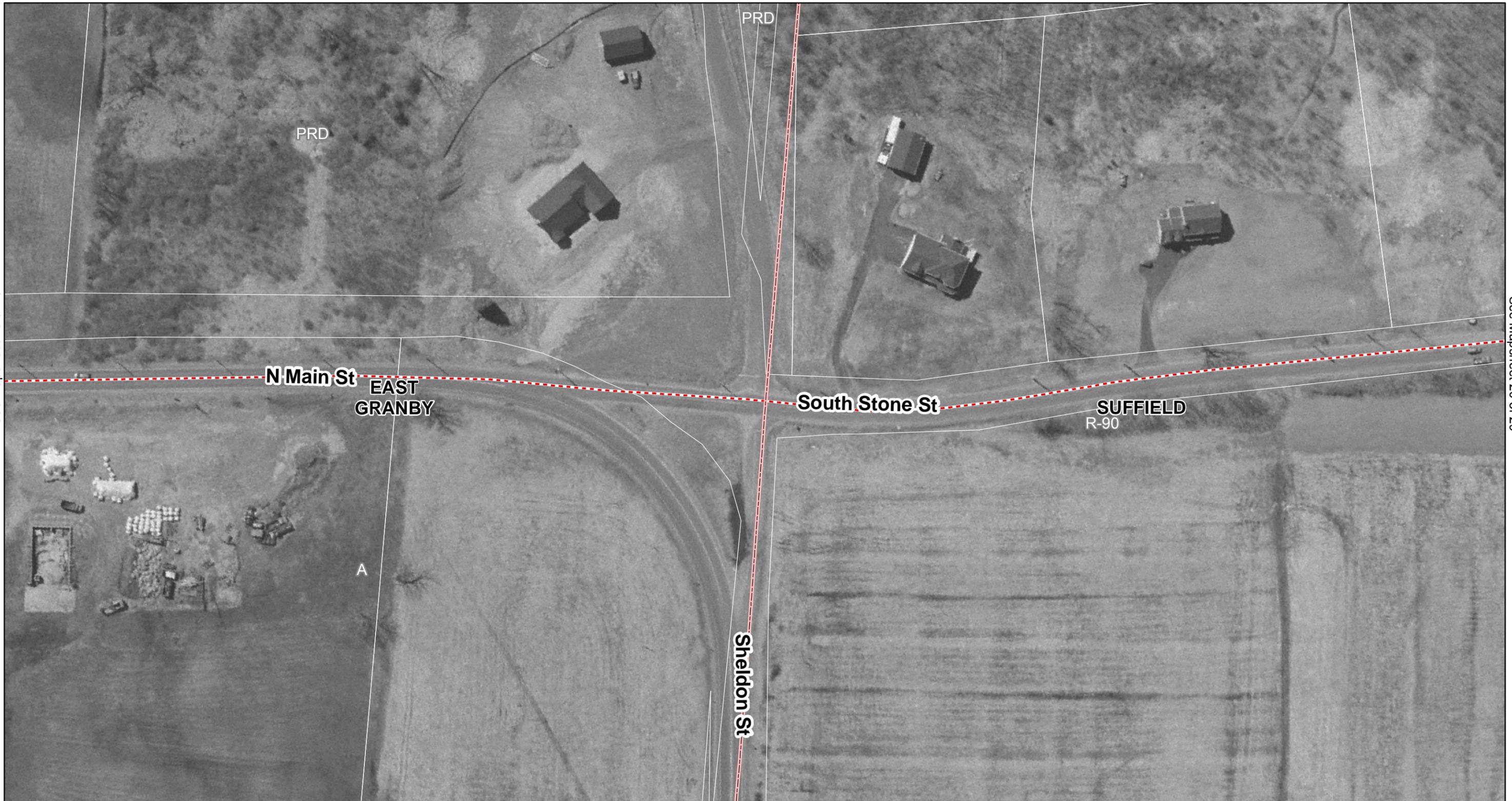
- Cuts in ridge tops for road construction

**Terrain**

- Broad, rolling hills

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

- State Route 187/North Main Street, two lanes
- South Stone Street, 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 19 of 29

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

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Date: September 2008

**MAPSHEET 20 of 29:**

**State Route 168/187 Underground Line Route Variation  
South Stone Street  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural

**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
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

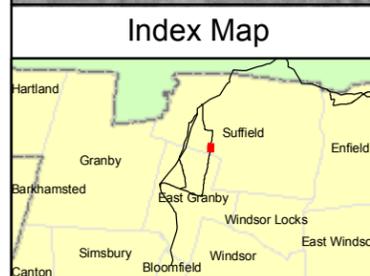
- Cuts in ridge tops for road construction

**Terrain**

- Broad, rolling hills

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

- South Stone Street, 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 20 of 29

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

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Date: September 2008

**MAPSHEET 21 of 29:**

**State Route 168/187 Underground Line Route Variation  
South Stone Street  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural

**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
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

- Cuts in ridge tops for road construction

**Terrain**

- Broad, rolling hills

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

- South Stone Street, 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 21 of 29



**Connecticut  
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Date: September 2008

**MAPSHEET 22 of 29:**

**State Route 168/187 Underground Line Route Variation  
South Stone Street  
Town of Suffield, CT**

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural
- Recreational

**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
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

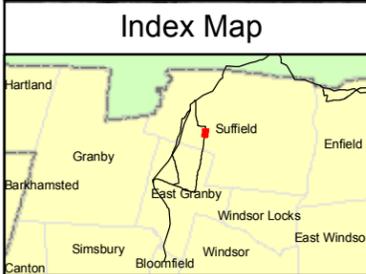
- Cuts in ridge tops for road construction

**Terrain**

- Broad, rolling hills

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

- South Stone Street, 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  
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**Connecticut Light & Power**  
The Northeast Utilities System

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Date: September 2008

**MAPSHEET 23 of 29:**

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

**AREA DESCRIPTION**

**Existing Land Use**

- Residential
- Agricultural

**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
- Agricultural

**Wetlands, Watercourses and Waterbodies**

- None

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

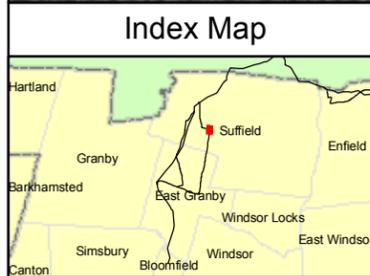
- Shallow to bedrock soils extending approximately 1,500 feet along South Stone Street southward from Mountain Road and South Stone Street intersection
- Rock outcrops east off of South Stone Street approximately 500 feet south of Mountain Road and South Stone Street intersection
- Cuts in ridge tops for road construction

**Terrain**

- Broad, rolling hills

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

- South Stone Street, two lanes
- 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 23 of 29

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

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**ENSR | AECOM**

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Date: September 2008

**MAPSHEET 24 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**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural
- Conservation

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-295, W10-296, W10-297, W10-298, W10-299, and W9-300
- Wetland Cover Type – Palustrine Forested Wetlands, Open Water
- Stream Nos. S10-117, and S10-118

**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**

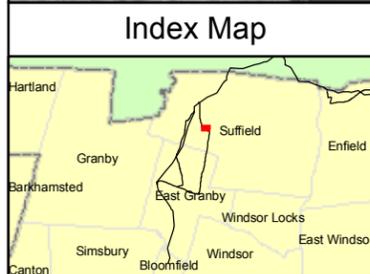
- Flat to rolling hills

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

- State Route 168/Mountain Road, two lanes

See Mapsheet 25 of 29

See Mapsheet 23 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**  
 State Route 168/187  
 Underground Line  
 Route Variation  
 Mapsheet 24 of 29

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

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Date: September 2008

**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**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural
- Conservation

**Wetlands, Watercourses and Waterbodies**

- Wetland Nos. W10-299, and W10-300
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands

**Vegetation**

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

**Existing Ledge, Cut, and Fill**

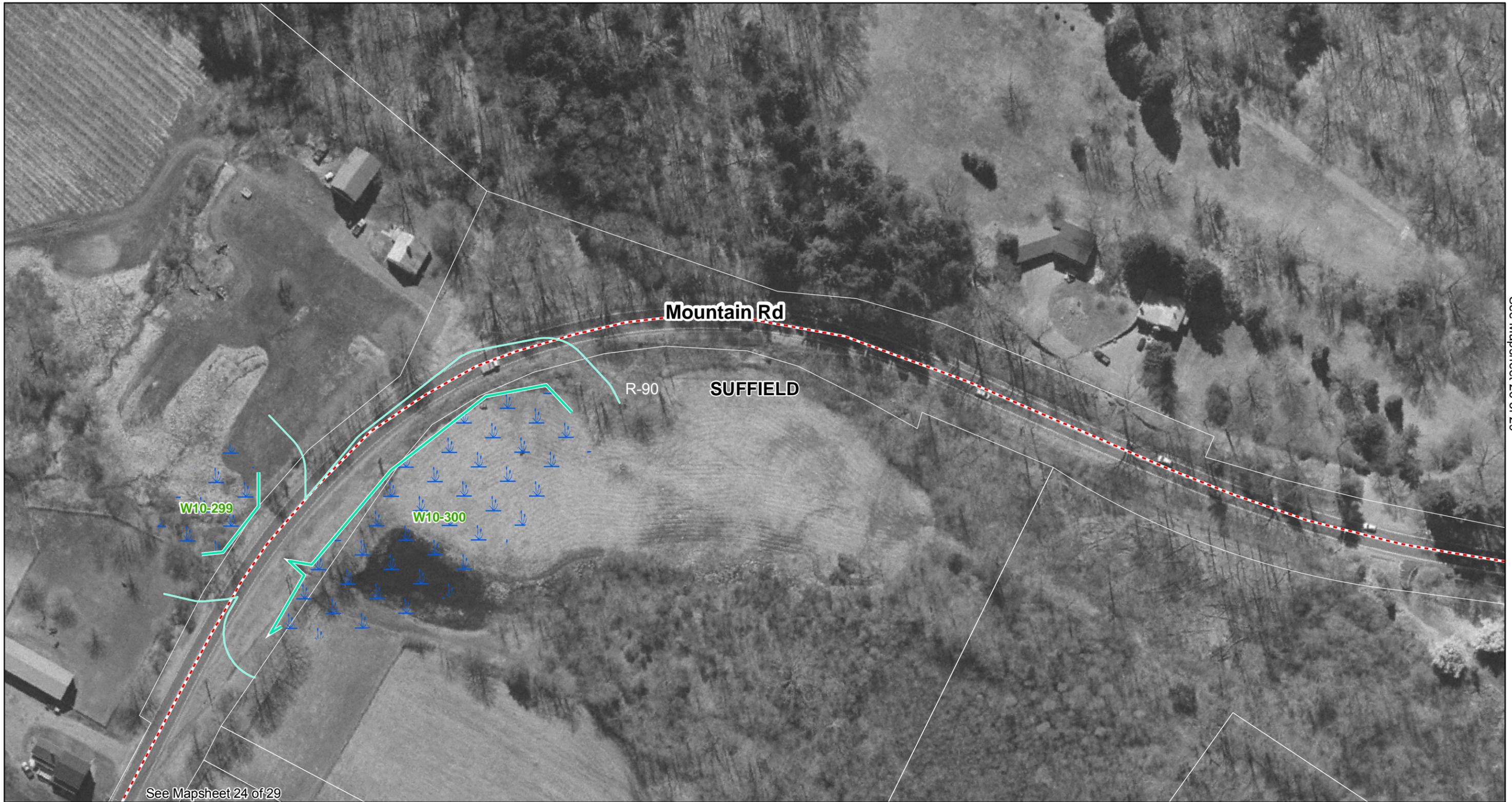
- Shallow to bedrock soils along Mountain Road extending approximately 500 feet south of Sunrise Park Cub Scout Day Camp northward to approximately 1,000 feet north of Phelps Road and Mountain Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

**Terrain**

- Flat to rolling hills

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

- State Route 168/Mountain Road, two lanes



See Mapsheet 24 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**

State Route 168/187  
Underground Line  
Route Variation  
Mapsheet 25 of 29

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

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Date: September 2008



**MAPSHEET 26 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**

- Whites Pond
- Mixed hardwood and evergreen forest varying in size and age

**Visual Character**

- Residential, agricultural, and forest

**UNDERGROUND ROUTE DESCRIPTION**

**Land Use**

- Residential
- Agricultural
- Conservation

**Wetlands, Watercourses and Waterbodies**

- Whites Pond

**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

**Terrain**

- Flat to rolling hills

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

- State Route 168/Mountain Road, two lanes