

THE CONNECTICUT VALLEY ELECTRIC TRANSMISSION RELIABILITY PROJECTS

APPLICATION TO THE

CONNECTICUT SITING COUNCIL

FOR CERTIFICATES OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR

THE CONNECTICUT PORTION

OF THE GREATER SPRINGFIELD RELIABILITY PROJECT

AND FOR

THE MANCHESTER TO MEEKVILLE JUNCTION CIRCUIT SEPARATION PROJECT

BY

THE CONNECTICUT LIGHT & POWER COMPANY

VOLUME 11 of 11

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VOLUME 11: ROUTE PLANS

EX. 1: Aerial Photographs – 100 Scale

EX. 1: Aerial Photographs – 100 Scale

INTRODUCTION

The 100-scale aerial route maps depict the Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route for the proposed 345-kV electric facilities between North Bloomfield Substation in Bloomfield, Connecticut and the Connecticut/Massachusetts border with Agawam, Massachusetts. The 100-scale aerial maps also depict the 115-/345-kV circuit separation between Manchester Substation and Meekville Junction in Manchester, Connecticut. The Greater Springfield Reliability Project also includes construction of 345-kV electric facilities and 115-kV system improvements between the Agawam and Ludlow Substations in Massachusetts, and by a Southern Route Alternative for this 345-kV line a 5.4-mile section of the route would be in Enfield and Suffield, Connecticut. The Manchester to Meekville Junction Circuit Separation Project includes a 115-/345-kV circuit separation between Manchester Substation and Meekville Junction. Only the portions of the line routes in Connecticut are included in this section.

The line routes are illustrated on a series of recent (2004, 2006 and 2007) aerial photographs. The 2007 aerials are limited to an approximately 1,500-foot-wide corridor along the Connecticut portion of the North Bloomfield to Agawam 345-kV Line Route and the Connecticut portion of the Massachusetts Southern Route Alternative; the 2004 aerials are used for the underground variation; and the 2006 aerials cover the remainder of the corridor. The figures are a series of mapsheets based on the various routes presented and are shown at an approximate scale of one inch equals 100 feet (100-scale). An Index Map showing the location of each mapsheet overlaid on a partial map of Connecticut is provided. The aerial photograph for each mapsheet is depicted with a north arrow to the left of the title block on each page. North varies with the orientation of the aerial photograph. Municipal boundaries and street names are identified on each mapsheet. The text description is organized to read from south to north and west to east, for example, North Bloomfield Substation in Bloomfield, Connecticut (south end of the preferred route) to the Connecticut/Massachusetts border with Agawam, Massachusetts (north end of the route as it leaves Connecticut).

Shown on the mapsheets are existing overhead line structure locations (note: more than one structure exists at most locations, even though only one symbol is shown), along with individual structure numbers, potential access roads, limits for the ROW, proposed ROW expansion limits, structure location envelopes, and 2-foot contour lines. Likewise, areas of environmental significance, such as wetlands, watercourses, vernal pool areas, natural diversity areas, and the 100-year flood zone have been identified on the aerial mapsheets. The accompanying text describes the area and ROW, including proximity of land use, forests, parks, and CT protected/open space areas. The Projects are subject to change as a result of Connecticut Siting Council certification. The detailed design of the certified transmission facility would be shown in the Development and Management Plan.

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**CONNECTICUT PORTION OF THE NORTH BLOOMFIELD TO
AGAWAM 345-kV LINE ROUTE**

Mapsheet	Town(s)	Structures
1 of 45	Bloomfield	North Bloomfield Substation
2 of 45	Bloomfield	3134
3 of 45	Bloomfield	3135 to 3137
4 of 45	Bloomfield	3137 to 3139
5 of 45	Bloomfield, East Granby	3140 to 3142
6 of 45	East Granby	3143 to 3145
7 of 45	East Granby	3146 to 3147
8 of 45	East Granby	3148 to 3150
9 of 45	East Granby	3151 to 3153
10 of 45	East Granby	3145 to 3155
11 of 45	East Granby	3156 to 3159
12 of 45	East Granby	3160 to 3162
13 of 45	East Granby	3163 to 3165
14 of 45	East Granby	3166 to 3168
15 of 45	East Granby	3169 to 3171
16 of 45	East Granby	3172 to 3173
17 of 45	East Granby	3174 to 3176
18 of 45	East Granby	3177 to 3179
19 of 45	East Granby	3179 to 3181
20 of 45	East Granby	3182 to 3184
21 of 45	East Granby	3185 to 3186
22 of 45	East Granby	3187 to 3189
23 of 45	East Granby	3190 to 3192
24 of 45	East Granby	3192 to 3194
25 of 45	East Granby	3195 to 3196
26 of 45	East Granby	3197 to 3199
27 of 45	East Granby	3200 to 3202
28 to 45	East Granby, Suffield	3202 to 3203
29 of 45	Suffield	3204 to 3206
30 of 45	Suffield	3207 to 3209

**CONNECTICUT PORTION OF THE NORTH BLOOMFIELD TO
AGAWAM 345-kV LINE ROUTE
(Continued)**

Mapsheet	Town(s)	Structures
31 of 45	Suffield	3210 to 32120
32 of 45	Suffield	3212 to 3214
33 of 45	Suffield	3215 to 3216
34 of 45	Suffield	3217 to 3219
35 of 45	Suffield	3219 to 3221
36 of 45	Suffield	3221 to 3223
37 of 45	Suffield	3224 to 3225
38 of 45	Suffield	3226 to 3229
39 of 45	Suffield	3229 to 3231
40 of 45	Suffield	3232 to 3234
41 of 45	Suffield	3234 to 3236
42 of 45	Suffield	3237 to 3239
43 of 45	Suffield	3239 to 3242
44 of 45	Suffield	3242 to 3245
45 of 45	Suffield, Agawam	3246 to 3248

NEWGATE ROAD UNDERGROUND LINE ROUTE VARIATION

Mapsheet	Town(s)	Location
1 of 22	East Granby	3176 to 3178
2 of 22	East Granby	Granby Junction to Turkey Hills Road
3 of 22	East Granby	Turkey Hills Road
4 of 22	East Granby	Turkey Hills Road
5 of 22	East Granby	Turkey Hills Road
6 of 22	East Granby	Turkey Hills Road to Old Road
7 of 22	East Granby	Old Road
8 of 22	East Granby	Old Road to Newgate Road
9 of 22	East Granby	Newgate Road
10 of 22	East Granby	Newgate Road

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**NEWGATE ROAD UNDERGROUND LINE ROUTE VARIATION
(Continued)**

Mapsheet	Town(s)	Location
11 of 22	East Granby	Newgate Road
12 of 22	East Granby	Newgate Road
13 of 22	East Granby	Newgate Road
14 of 22	East Granby	Newgate Road
15 of 22	East Granby	Newgate Road
16 of 22	East Granby, Suffield	Newgate Road
17 of 22	Suffield	Newgate Road
18 of 22	Suffield	Newgate Road
19 of 22	Suffield	Newgate Road
20 of 22	Suffield	Phelps Road
21 of 22	Suffield	Phelps Road
22 of 22	Suffield	Newgate Road

STATE ROUTE 168/187 UNDERGROUND LINE ROUTE VARIATION

Mapsheet	Town(s)	Location
1 of 29	East Granby	Granby Junction to Turkey Hills Road
2 of 29	East Granby	State Route 20/Turkey Hills Road
3 of 29	East Granby	State Route 20/Turkey Hills Road
4 of 29	East Granby	State Route 20/Turkey Hills Road
5 of 29	East Granby	State Route 20/Turkey Hills Road
6 of 29	East Granby	State Route 20/Turkey Hills Road
7 of 29	East Granby	State Route 20/Turkey Hills Road
8 of 29	East Granby	State Route 20/Turkey Hills Road

**STATE ROUTE 168/187 UNDERGROUND LINE ROUTE
VARIATION(Continued)**

Mapsheet	Town(s)	Location
9 of 29	East Granby	State Route 20/Turkey Hills Road
10 of 29	East Granby	State Route 20/Turkey Hills Road
11 of 29	East Granby	State Route 20/Turkey Hills Road and State Route 187/North Main Street
12 of 29	East Granby	State Route 187/North Main Street
13 of 29	East Granby	State Route 187/North Main Street
14 of 29	East Granby	State Route 187/North Main Street
15 of 29	East Granby	State Route 187/North Main Street
16 of 29	East Granby	State Route 187/North Main Street
17 of 29	East Granby	State Route 187/North Main Street
18 of 29	East Granby	State Route 187/North Main Street
19 of 29	East Granby, Suffield	State Route 187/North Main Street and South Stone Street
20 of 29	Suffield	South Stone Street
21 of 29	Suffield	South Stone Street
22 of 29	Suffield	South Stone Street
23 of 29	Suffield	South Stone Street and State Route 168/ Mountain Road
24 of 29	Suffield	State Route 168/Mountain Road
25 of 29	Suffield	State Route 168/Mountain Road
26 of 29	Suffield	State Route 168/Mountain Road
27 of 29	Suffield	State Route 168/Mountain Road
28 of 29	Suffield	State Route 168/Mountain Road
29 of 29	Suffield	State Route 168/Mountain Road

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MASSACHUSETTS SOUTHERN ROUTE ALTERNATIVE

Mapsheet	Town(s)	Structures
1 of 22	Suffield, Agawam	22014 to 22016
2 of 22	Suffield	22016 to 22017
3 of 22	Suffield	22018 to 22020
4 of 22	Suffield	22020 to 22021
5 of 22	Suffield, Longmeadow	Connecticut River Crossing
6 of 22	Longmeadow, Enfield	22022
7 of 22	Longmeadow, Enfield	22023 to 22024
8 of 22	Enfield	22025 to 22026
9 of 22	Enfield	22027 to 22029
10 of 22	Enfield	22029 to 22031
11 of 22	Enfield	22031 to 22033
12 of 22	Enfield	22034 to 22036
13 of 22	Enfield	22036 to 22039
14 of 22	Enfield	22038 to 22041
15 of 22	Enfield	22042 to 22044
16 of 22	Enfield	22044 to 22046
17 of 22	Enfield	22047 to 22048
18 of 22	Enfield	22049 to 22051
19 of 22	Enfield	22052 to 22054
20 of 22	Enfield	22055 to 22056
21 of 22	Enfield	22057 to 22059
22 of 22	Enfield, Longmeadow, East Longmeadow	22059 to 22062

**MASSACHUSETTS STATE ROUTE 220/ENFIELD UNDERGROUND LINE
ROUTE VARIATION**

Mapsheet	Town(s)	Location/Structures
1 of 16	Enfield	Campania Road
2 of 16	Enfield	Campania Road to Manning Road
3 of 16	Enfield	Manning Road to Enfield Street
4 of 16	Enfield	Enfield Street to Brainard Road
5 of 16	Enfield	Brainard Road
6 of 16	Enfield	Brainard Road
7 of 16	Enfield	Brainard Road
8 of 16	Enfield	Brainard Road
9 of 16	Enfield	Brainard Road
10 of 16	Enfield	Brainard Road
11 of 16	Enfield	Brainard Road
12 of 16	Enfield	Brainard Road and Existing Structure 22049
13 of 16	Enfield	22049 to 22052
14 of 16	Enfield	Mayfield Drive
15 of 16	Enfield	Mayfield Drive
16 of 16	Enfield	Mayfield Drive

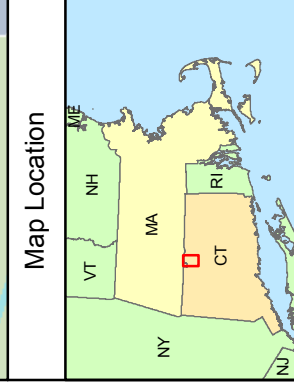
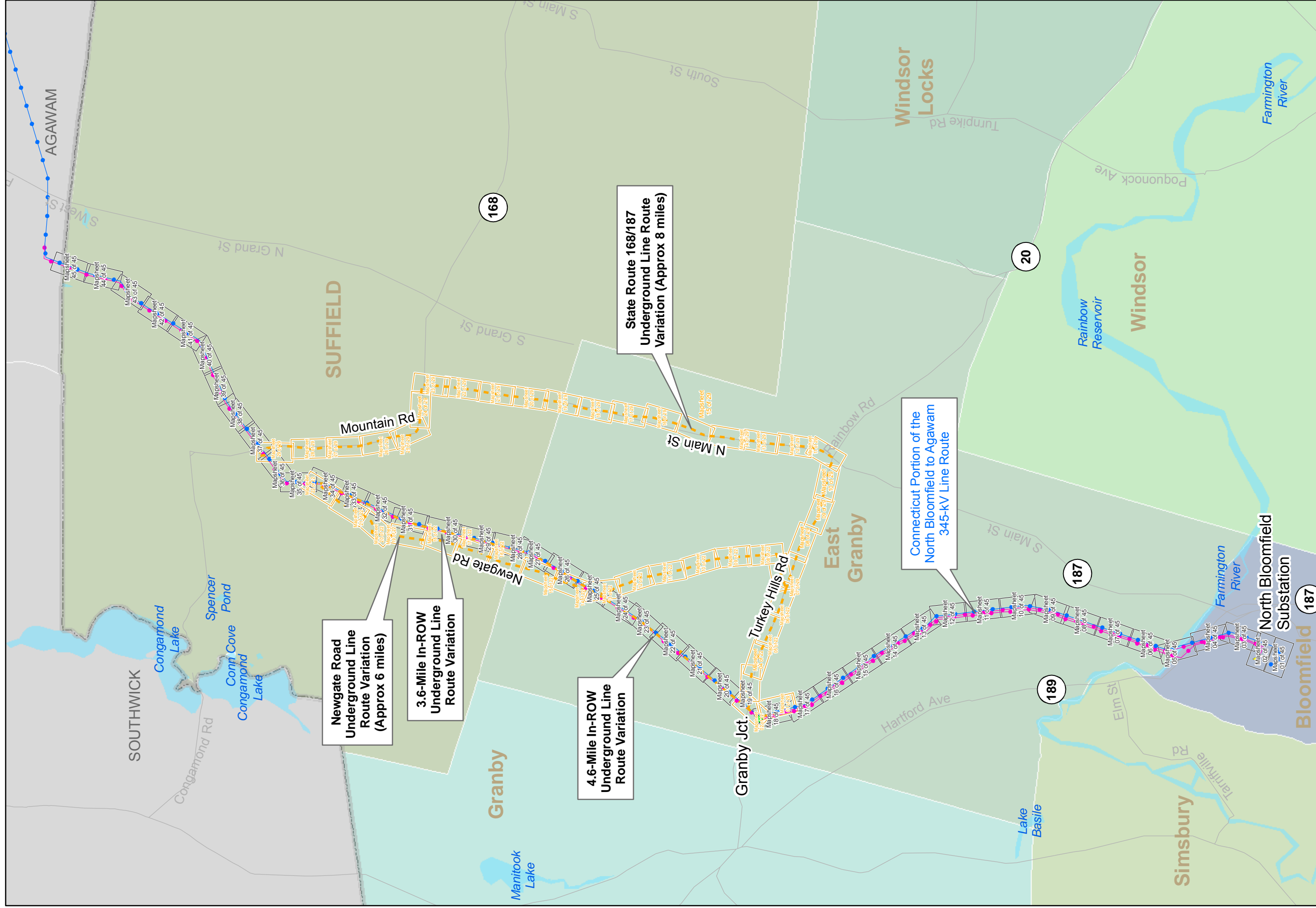
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**MANCHESTER TO MEEKVILLE JUNCTION CIRCUIT
SEPERATION PROJECT**

Mapsheet	Town(s)	Structures
1 of 11	Manchester	Manchester Substation to Structure 20002
2 of 11	Manchester	20003 to 20006
3 of 11	Manchester	20006 to 20007
4 of 11	Manchester	20008 to 20009
5 of 11	Manchester	20009 to 20011
6 of 11	Manchester	20012 to 20013
7 of 11	Manchester	20014 to 20016
8 of 11	Manchester	20016 to 20018
9 of 11	Manchester	20018 to 20020
10 of 11	Manchester	20021 to 20022
11 of 11	Manchester	20022 (Meekville Junction)

**CONNECTICUT PORTION OF THE NORTH BLOOMFIELD
TO AGAWAM 345-KV LINE ROUTE
ELECTRIC AND MAGNETIC FIELD BEST MANAGEMENT PRACTICES**

Mapsheet	Town(s)	Structures
1 of 14	East Granby	3190 to 3192
2 of 14	East Granby	3192 to 3194
3 of 14	East Granby	3195 to 3196
4 of 14	East Granby	3197 to 3199
5 of 14	East Granby	3200 to 3202
6 of 14	East Granby and Suffield	3202 to 3203
7 of 14	Suffield	3204 to 3206
8 of 14	Suffield	3207 to 3209
9 of 14	Suffield	3210 to 3212
10 of 14	Suffield	3212 to 3214
11 of 14	Suffield	3215 to 3216
12 of 14	Suffield	3217 to 3219
13 of 14	Suffield	3219 to 3221
14 of 14	Suffield	3221 to 3223



- 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)**
- Undergound Line Route Variations Index Map Sheets
 - 3.6-Mile and 4.6-Mile In-ROW Undergound Line Route Variations Index Map Sheets (Sheets 18-35 only)

Greater Springfield Reliability Project Index Map
 Connecticut

Connecticut Light & Power
 The Northeast Utilities System

ENSR | AECOM

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial/Industrial

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and low density residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Commercial/Industrial (North Bloomfield Substation)
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-212, W9-213, W9-214, and W9-215
- Wetland Cover Type – Palustrine Forested Wetlands
- Stream Nos. S9-78 (Griffin Brook), and S9-79

Potential Access

- North Bloomfield Substation can be accessed from Tariffville Road
- Structures 3163, and 20147-20148 can be accessed from either Duncaster Road or Tariffville Road

Right-of-Way Vegetation

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

Ledge

- None

Terrain

- Flat to broad, hilltops

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

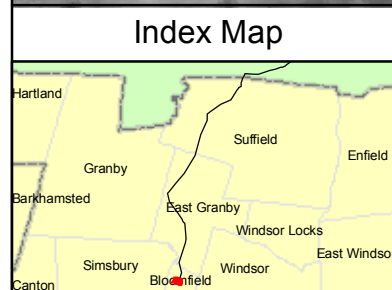
- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 30-110 feet
- Approximately 300 feet wide for 400 linear feet where the new 345-kV line and the existing, realigned 345-kV line are parallel to each other
- Approximately 150 feet wide for 800-900 linear feet where the new 345-kV line and the existing, realigned 345- kV line diverge from each other

Road Crossings/Major Utility Crossings

- None



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 01 of 45

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and low density residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Commercial/Industrial (North Bloomfield Substation)
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-215, and W9-214
- Wetland Cover Type – Palustrine Forested Wetlands
- Stream Nos. S9-78 (Griffin Brook), S9-79, and S9-79A

Potential Access

- North Bloomfield Substation can be accessed from Tariffville Road
- Structure 3134 can be accessed from either Duncaster Road or Tariffville Road

Right-of-Way Vegetation

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

Ledge

- West of structure 3134 and between structures 3134 and 3135

Terrain

- Flat to broad, hilltops

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

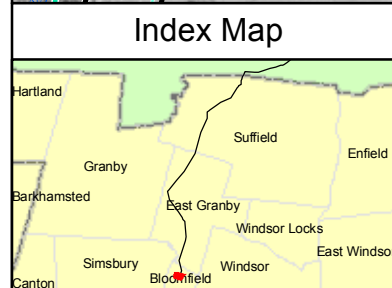
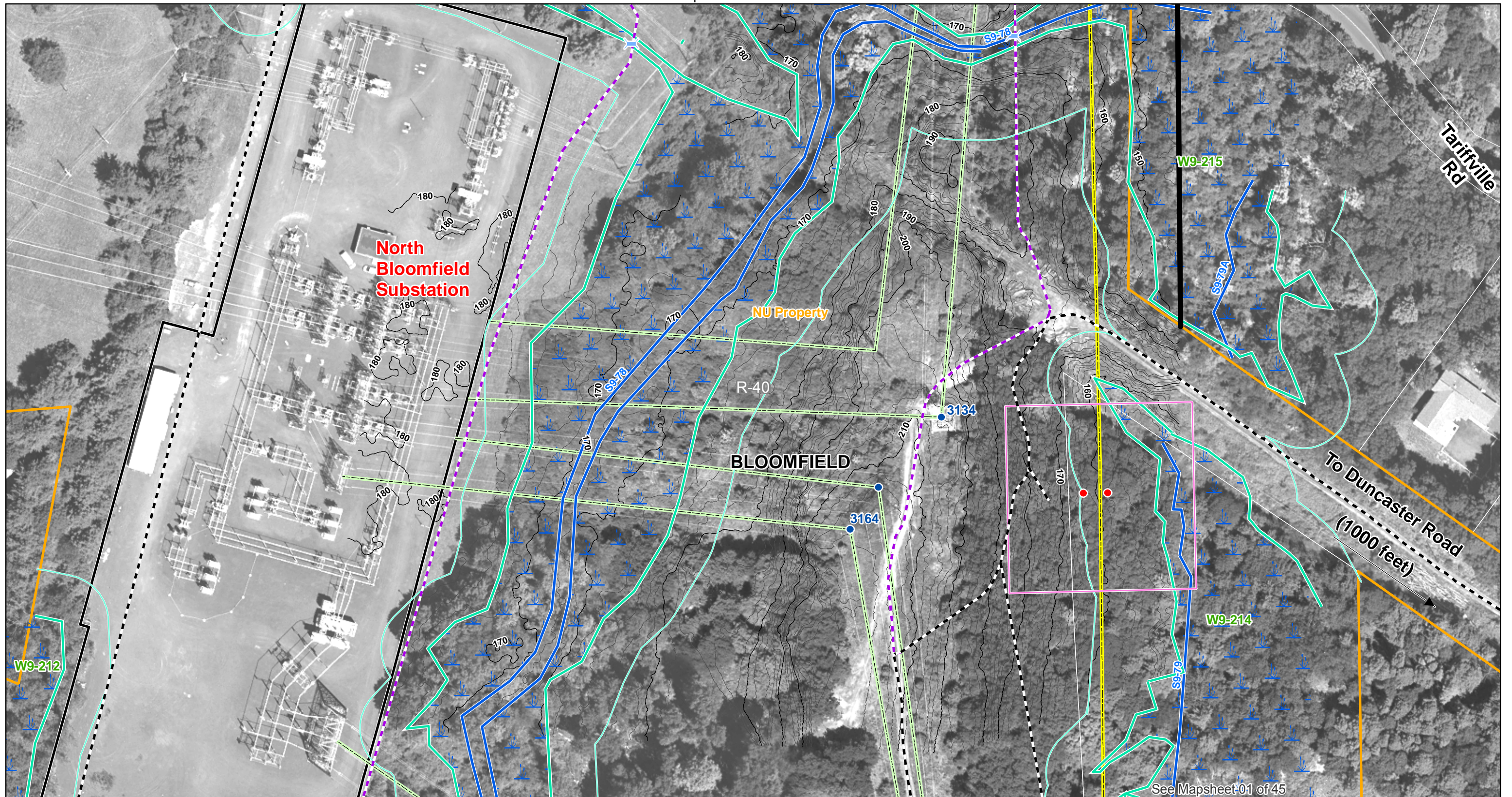
- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 30-110 feet

Road Crossings/Major Utility Crossings

- None



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 02 of 45

Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and low density residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest
- Agricultural (pasture land) east of structure 3135

Wetlands, Watercourses and Waterbodies

- Wetland No. W9-215
- Wetland Cover Type – Palustrine Forested Wetlands
- Stream No. S9-78 (Griffin Brook)

Potential Access

- Structures 3135-3137 can be accessed from Tariffville Road

Right-of-Way Vegetation

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

Ledge

- Southwest of structure 3135
- East of structures 3135–3137

Terrain

- Flat to broad, hilltops between structures 3135-3137

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

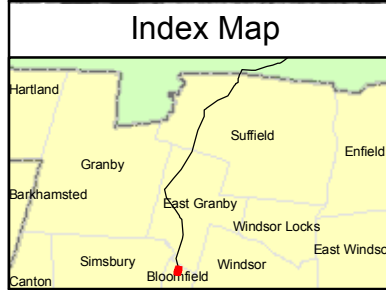
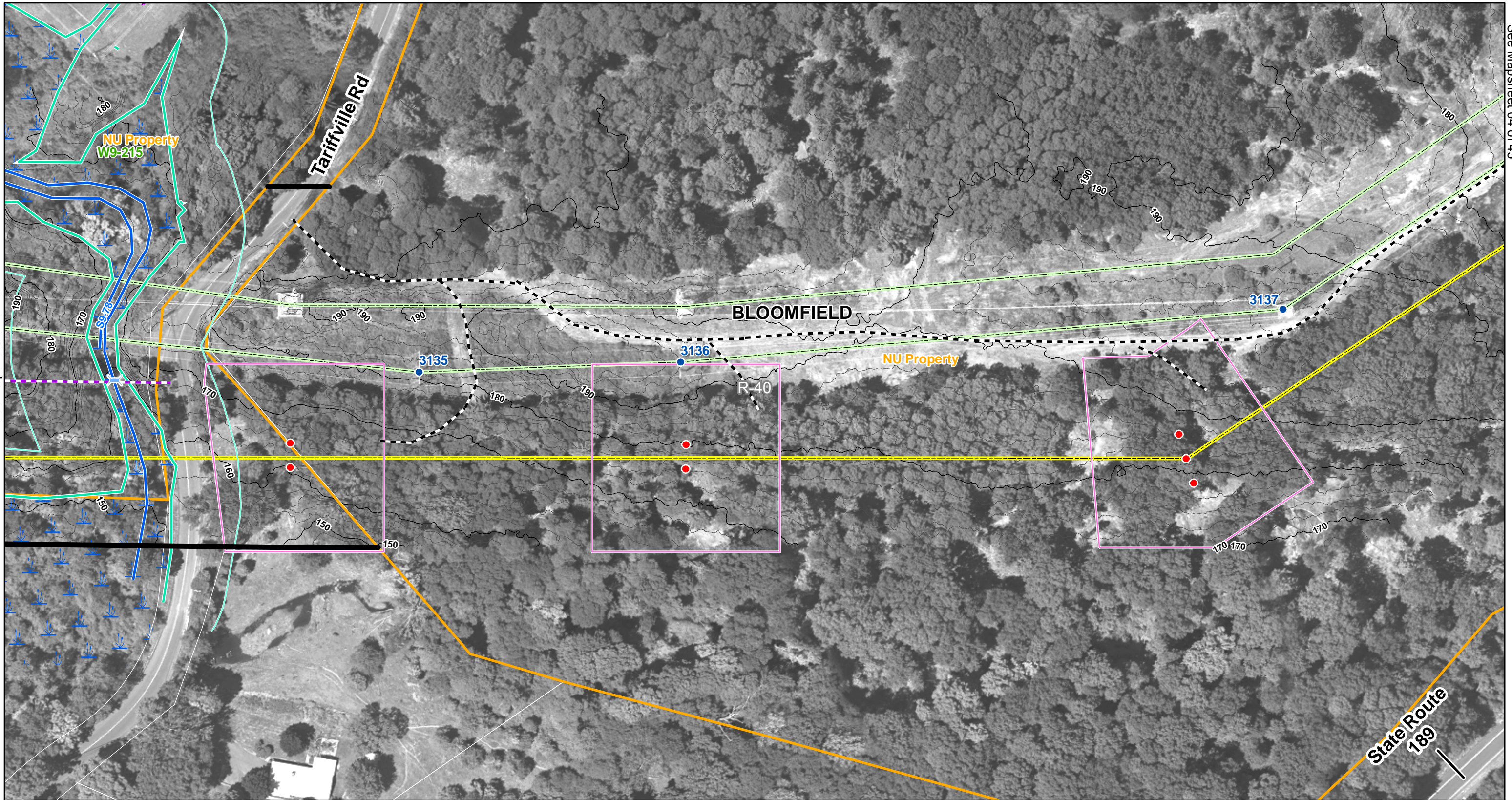
- 180 feet

Proposed Additional Cleared Right-of-Way Width

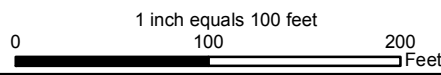
- 30-110 feet

Road Crossings/Major Utility Crossings

- Tariffville Road south of structure 3135



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 03 of 45

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Commercial/Industrial

Future Land Use

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

Natural Systems

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

Visual Character

- Forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland No. W9-218
- Wetland Cover Type – Palustrine Forested Wetlands
- Stream No. S9-80 (Farmington River)

Potential Access

- Structures 3137-3139 can be accessed from Tariffville Road

Right-of-Way Vegetation

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

Ledge

- East of structure 3137

Terrain

- Flat to broad, hilltops between structures 3137-3139

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 30-110 feet

Road Crossings/Major Utility Crossings

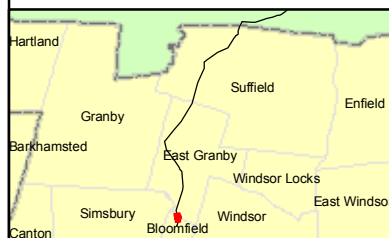
- State Route 189 between structures 3139-3140

See Mapsheet 03 of 45

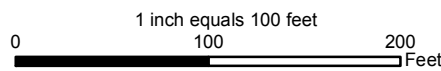
See Mapsheet 05 of 45



Index Map



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



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 04 of 45



ENSR | AECOM

Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3140 to 3142
Towns of Bloomfield and East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Town of Bloomfield
 - Commercial/Industrial
- Town of East Granby
 - Conservation
 - Residential

Future Land Use

- Town of Bloomfield
 - Zoning (current):
 - Residential (R-40)
- Town of East Granby
 - Zoning (current):
 - Residential (R-20)
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest, low density residential, and Farmington River

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential east of structures 3141-3142
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-217, W9-218, and W9-219
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands
- Stream Nos. S9-80 and S9-81 (Farmington River), S9-82 , and S9-83

Potential Access

- Structure 3140 can be accessed from State Route 189
- Structures 3141-3142 can be accessed from Tunxis Avenue, north of Farmington River

Right-of-Way Vegetation

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

Ledge

- North of structure 3140
- Between structures 3141 and 3142

Terrain

- Steep slopes between structures 3140-3142

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

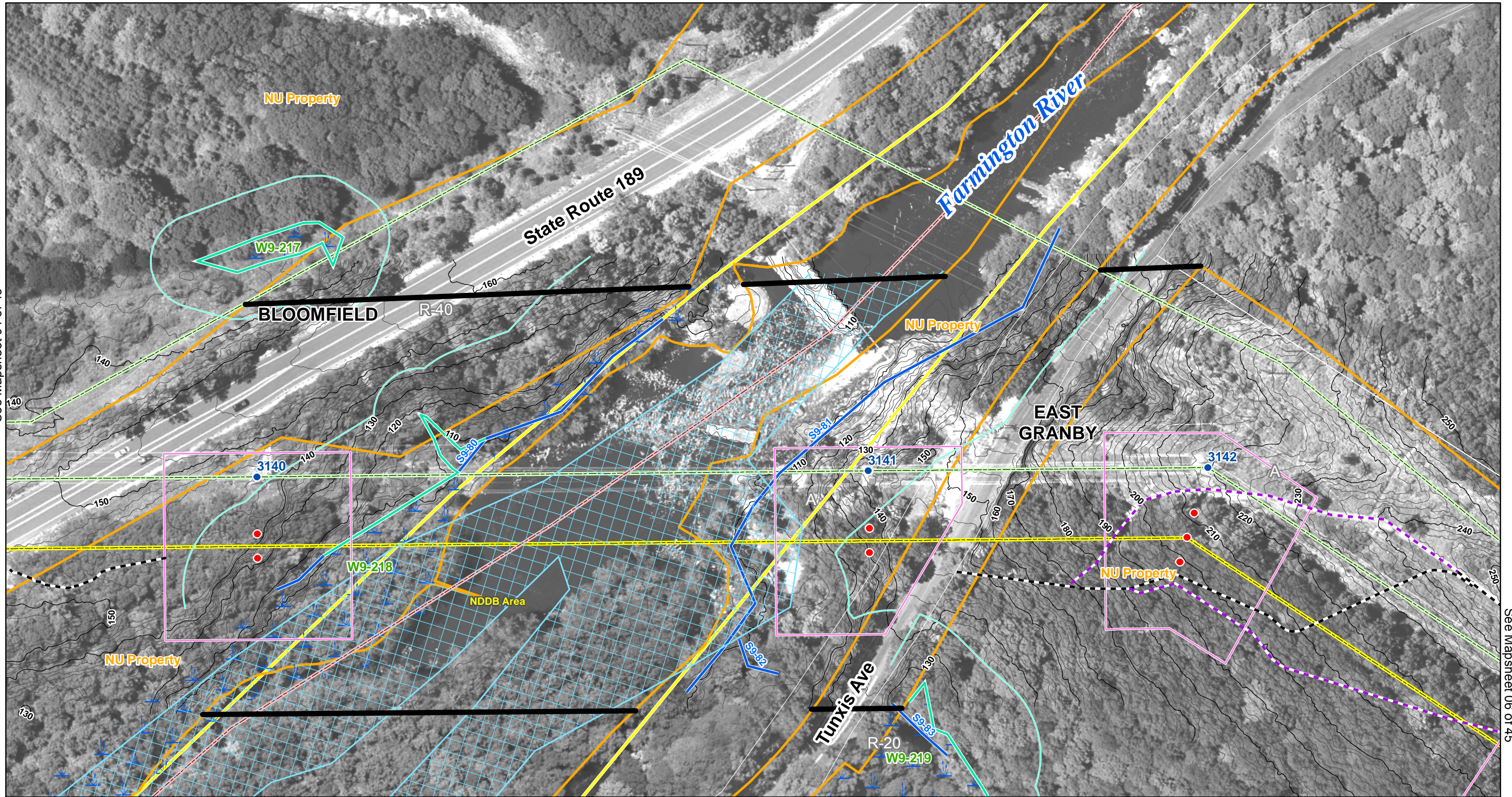
Proposed Additional Cleared Right-of-Way Width

- 30-110 feet

Road Crossings/Major Utility Crossings

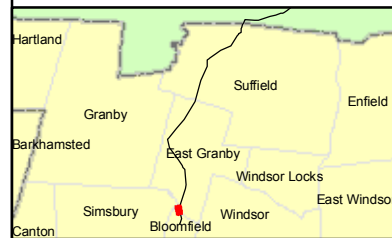
- State Route 189 south of structure 3140
- Tunxis Avenue between structures 3141-3142

See Mapsheet 04 of 45

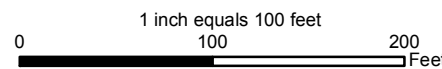


See Mapsheet 06 of 45

Index Map



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



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 05 of 45



Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Conservation

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland No. W9-220
- Wetland Cover Type – Palustrine Scrub – Shrub Wetlands

Potential Access

- Structure 3143 can be accessed from Tunxis Avenue
- Structures 3144-3145 can be accessed from either Tunxis Avenue or Hatchett Hill Road

Right-of-Way Vegetation

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

Ledge

- None

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

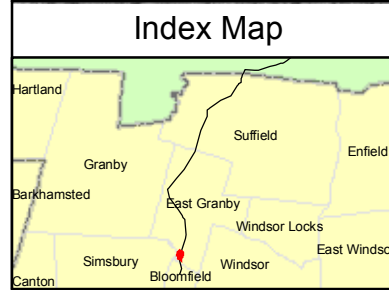
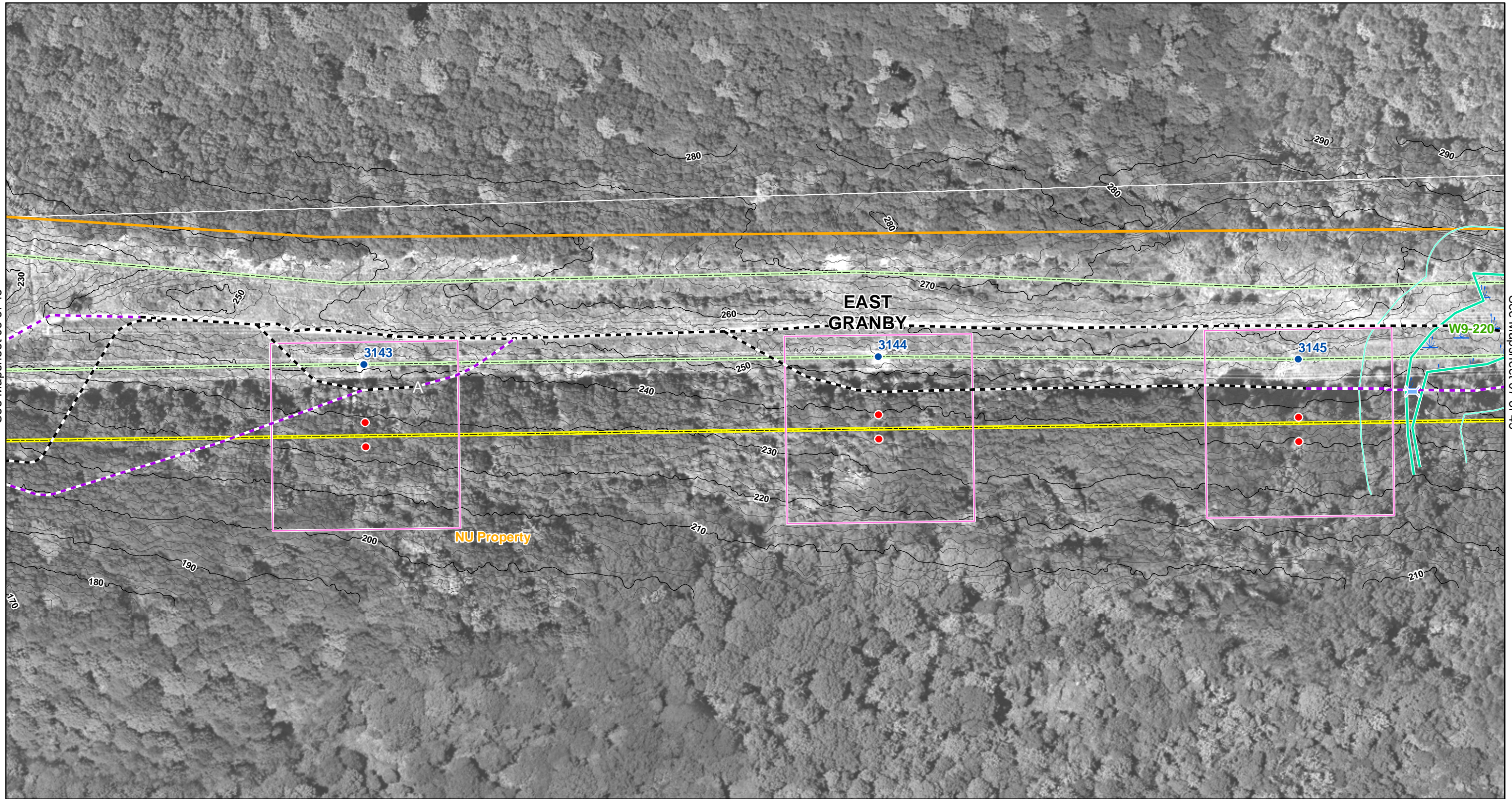
- 75-110 feet

Road Crossings/Major Utility Crossings

- None

See Mapsheet 05 of 45

See Mapsheet 07 of 45



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 06 of 45

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Conservation

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-220, and W9-221
- Wetland Cover Types – Palustrine Scrub – Shrub Wetlands, Palustrine Forested Wetlands

Potential Access

- Structures 3146-3147 can be accessed from either Tunxis Avenue or Hatchett Hill Road

Right-of-Way Vegetation

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

Ledge

- None

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

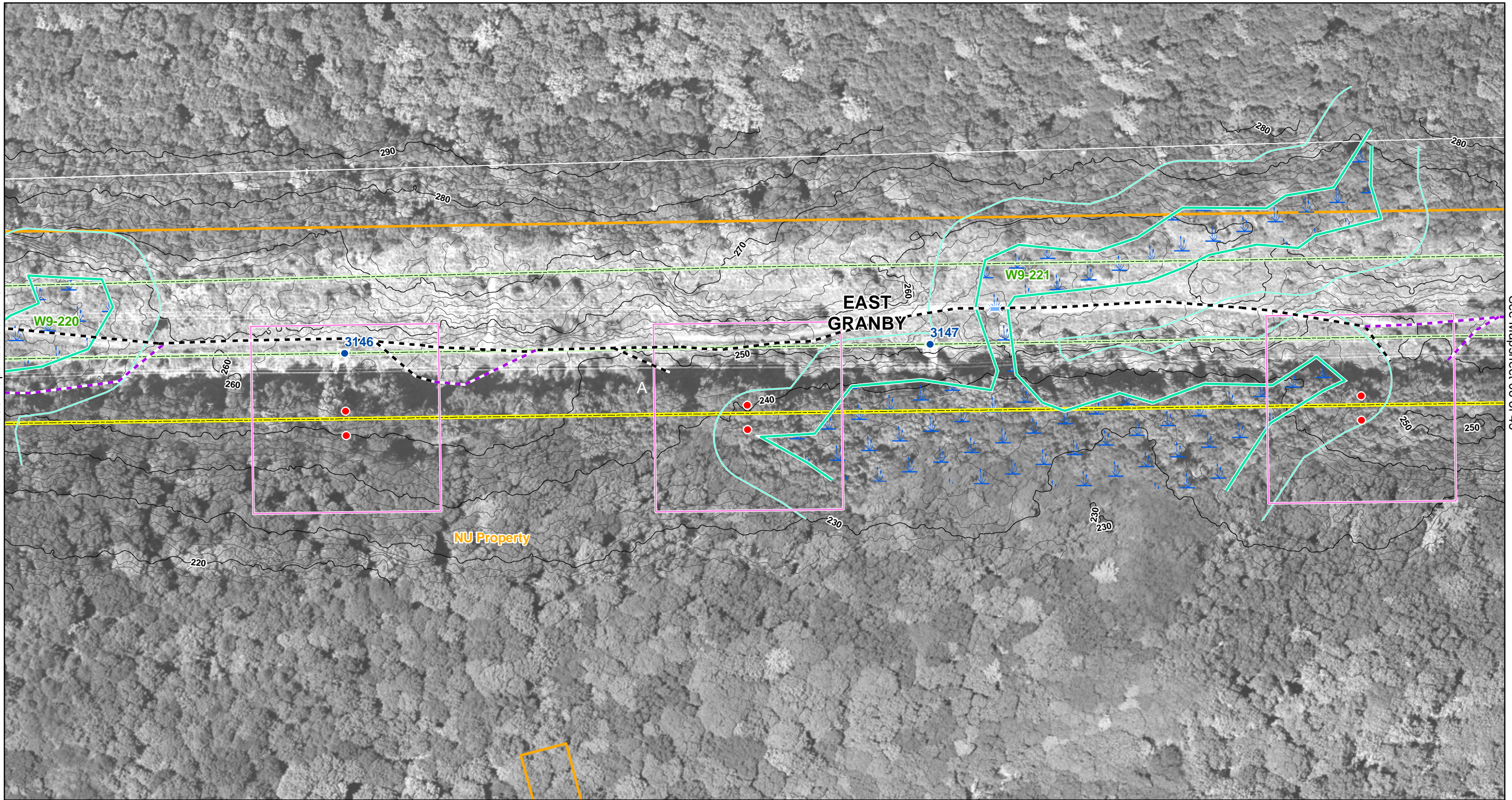
- 75-110 feet

Road Crossings/Major Utility Crossings

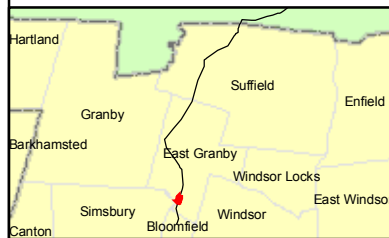
- None

See Mapsheet 06 of 45

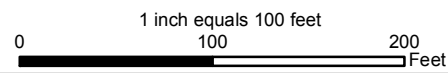
See Mapsheet 08 of 45



Index Map



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



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 07 of 45



Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Conservation

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-222, and W9-223
- Wetland Cover Types – Palustrine Scrub – Shrub Wetlands, Palustrine Forested Wetlands
- Confirmed Vernal Pools

Potential Access

- Structures 3148-3150 can be accessed from either Tunxis Avenue or Hatchett Hill Road

Right-of-Way Vegetation

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

Ledge

- Ledge formations west of structure 3150

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

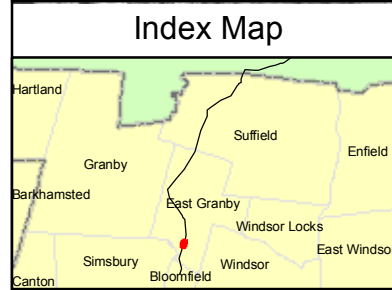
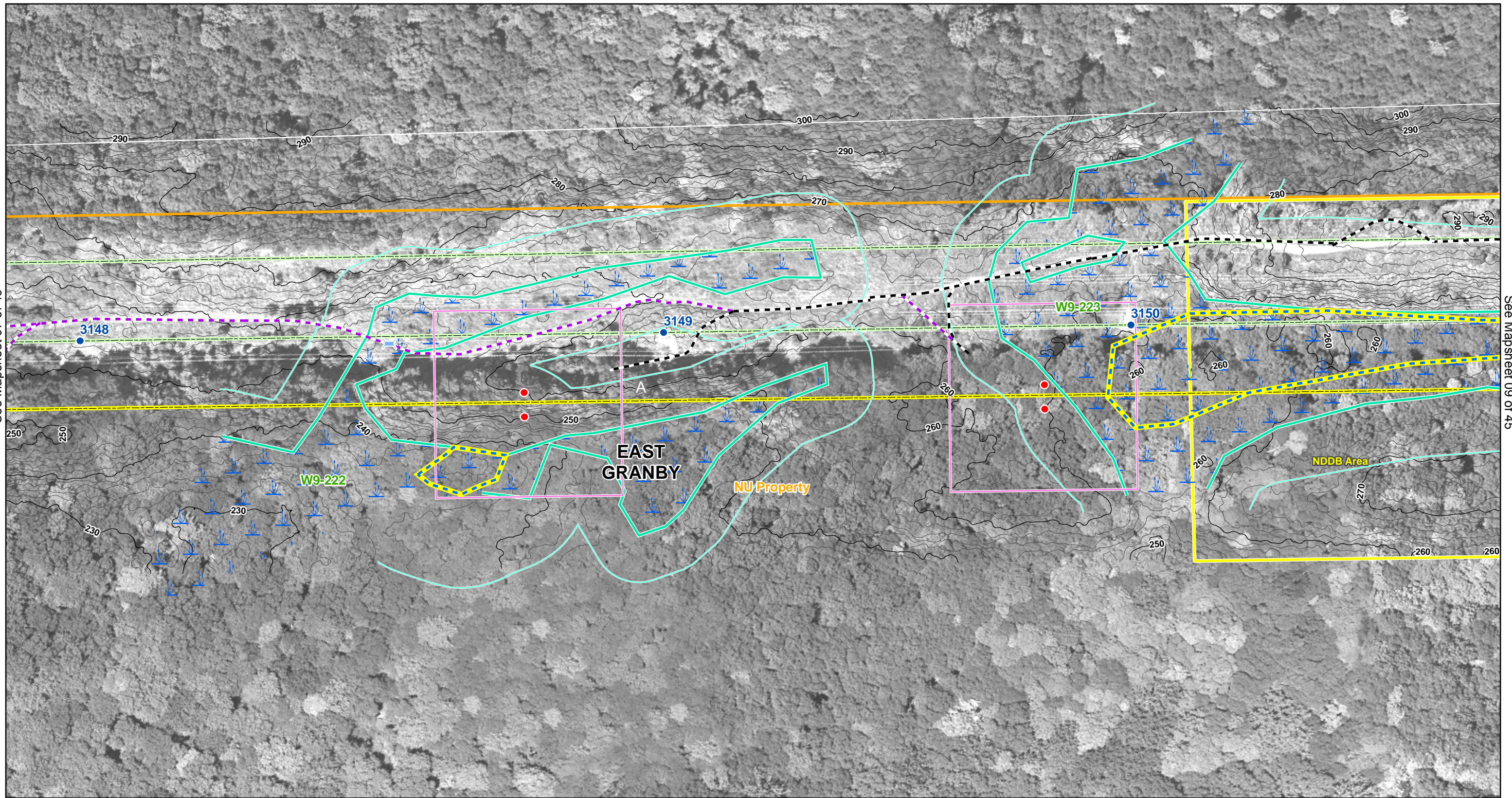
- 75-110 feet

Road Crossings/Major Utility Crossings

- None

See Mapsheet 07 of 45

See Mapsheet 09 of 45



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 08 of 45

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Conservation

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest and low density residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-223, and W9-224
- Wetland Cover Types – Palustrine Scrub – Shrub Wetlands, Palustrine Forested Wetlands
- Confirmed Vernal Pools

Potential Access

- Structures 3151-3153 can be accessed from either Tunxis Avenue or Hatchett Hill Road

Right-of-Way Vegetation

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

Ledge

- Ledge formations west of structure 3151

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

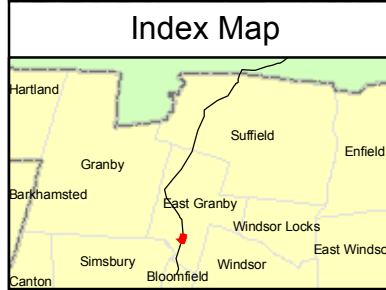
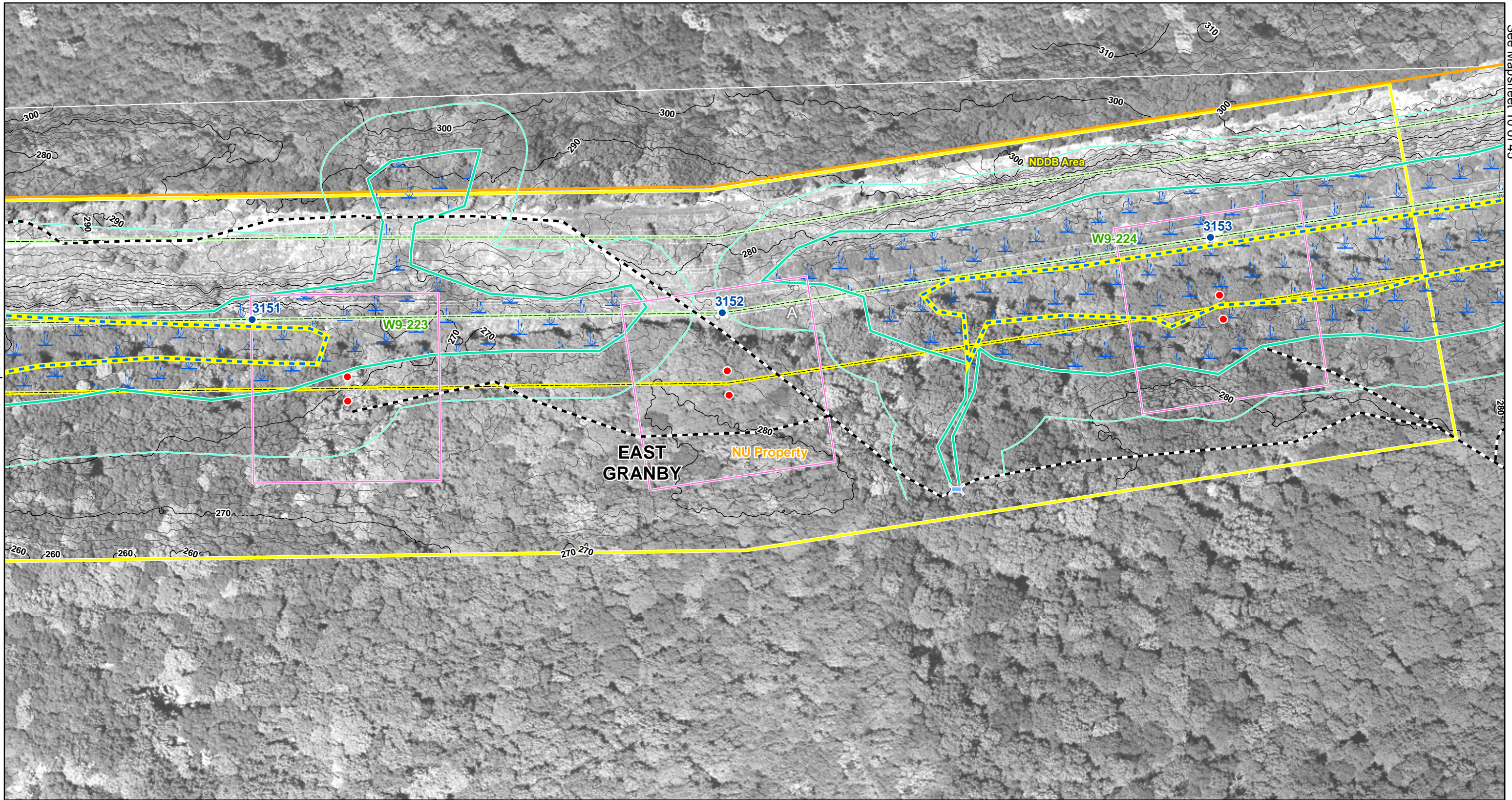
- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 75-110 feet

Road Crossings/Major Utility Crossings

- None



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 09 of 45

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Conservation

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest and low density residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland No. W9-224
- Wetland Cover Types – Palustrine Scrub – Shrub Wetlands, Palustrine Forested Wetlands
- Confirmed Vernal Pool

Potential Access

- Structures 3154-3155 can be accessed from either Tunxis Avenue or Hatchett Hill Road

Right-of-Way Vegetation

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

Ledge

- Ledge formations west of structures 3154 - 3155

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

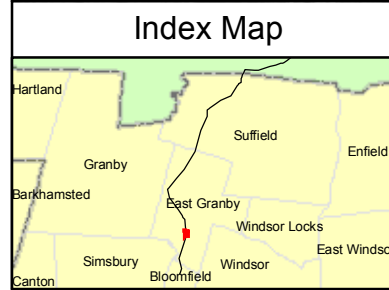
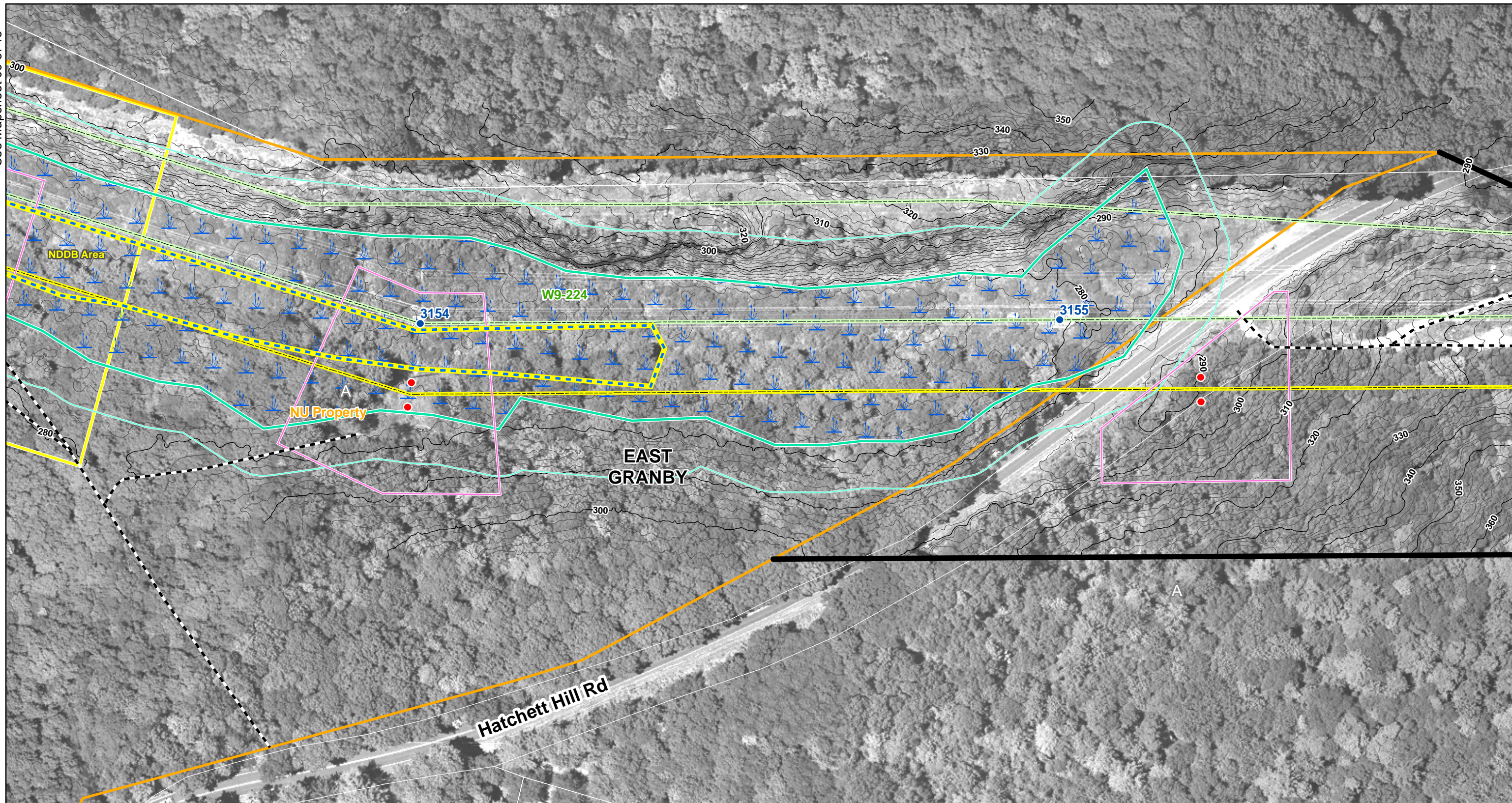
- 180 feet

Proposed Additional Cleared Right-of-Way Width

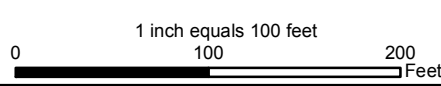
- 75-110 feet

Road Crossings/Major Utility Crossings

- Hatchett Hill Road north of structure 3155



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



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



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



AREA DESCRIPTION

Existing Land Use

- Agricultural

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-225, and W9-226
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands
- Confirmed Vernal Pools

Potential Access

- Structures 3156-3159 can be accessed from either Hatchett Hill Road, Adams Drive or Holcomb Street

Right-of-Way Vegetation

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

Ledge

- Ledge formations between structures 3156-3158

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

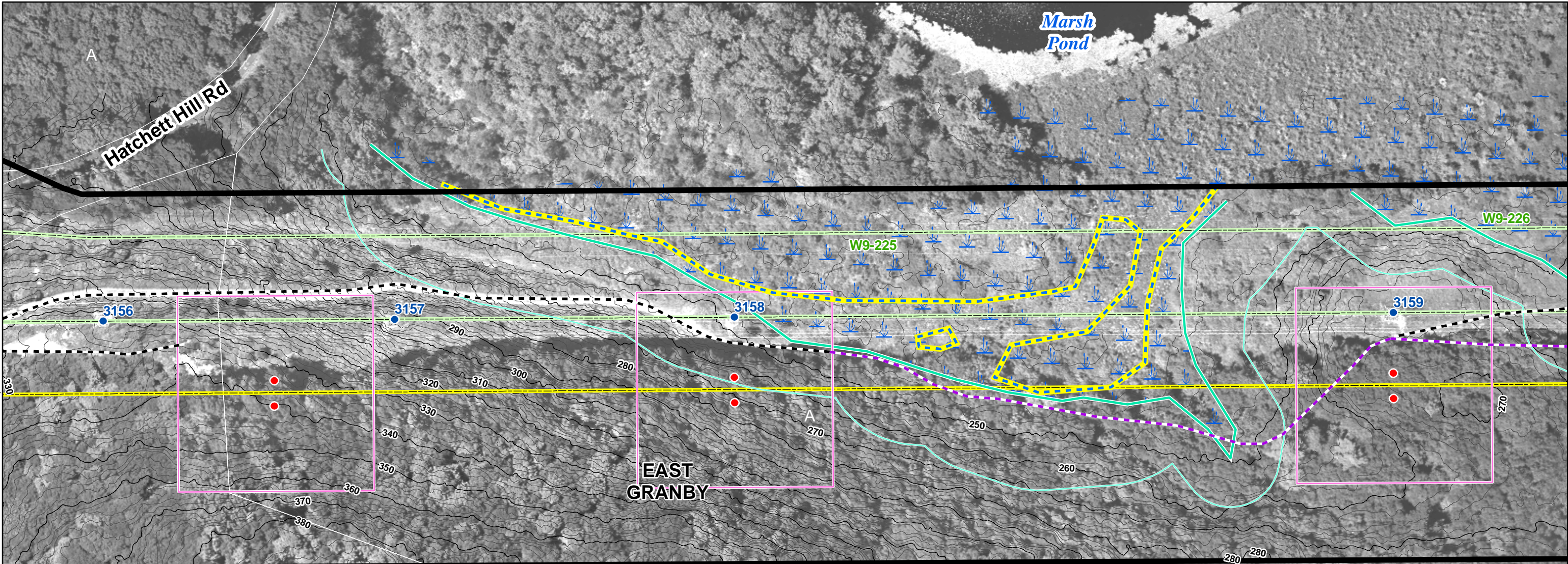
- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 30-110 feet

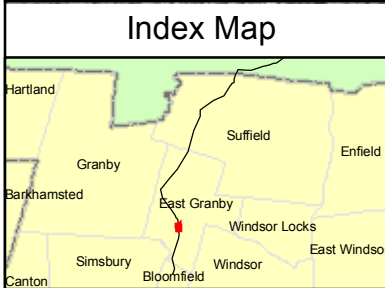
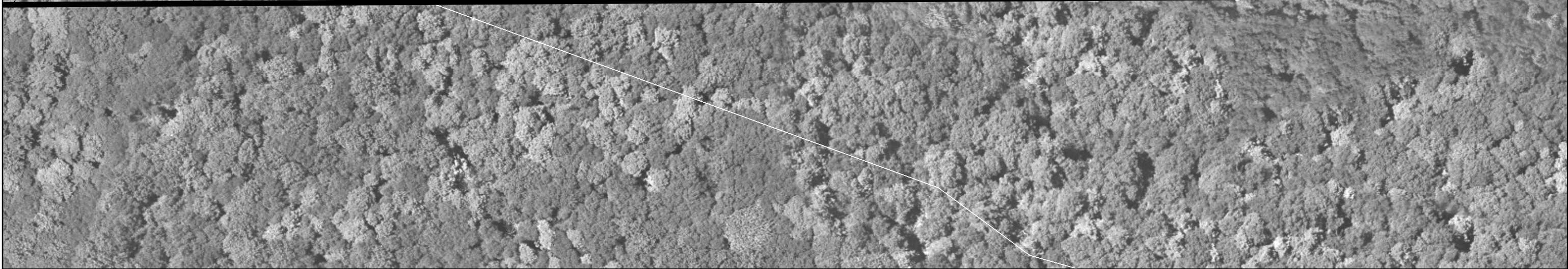
Road Crossings/Major Utility Crossings

- None



See Mapsheet 10 of 45

See Mapsheet 12 of 45



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

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Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

MAPSHEET 12 of 45:

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3160 to 3162
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west of structures 3161-3162
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland No. W9-226
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands

Potential Access

- Structures 3160-3162 can be accessed from either Hatchett Hill Road, Adams Drive or Holcomb Street

Right-of-Way Vegetation

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

Ledge

- None

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

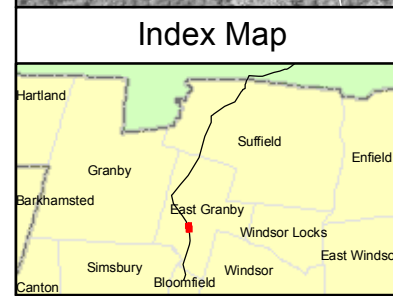
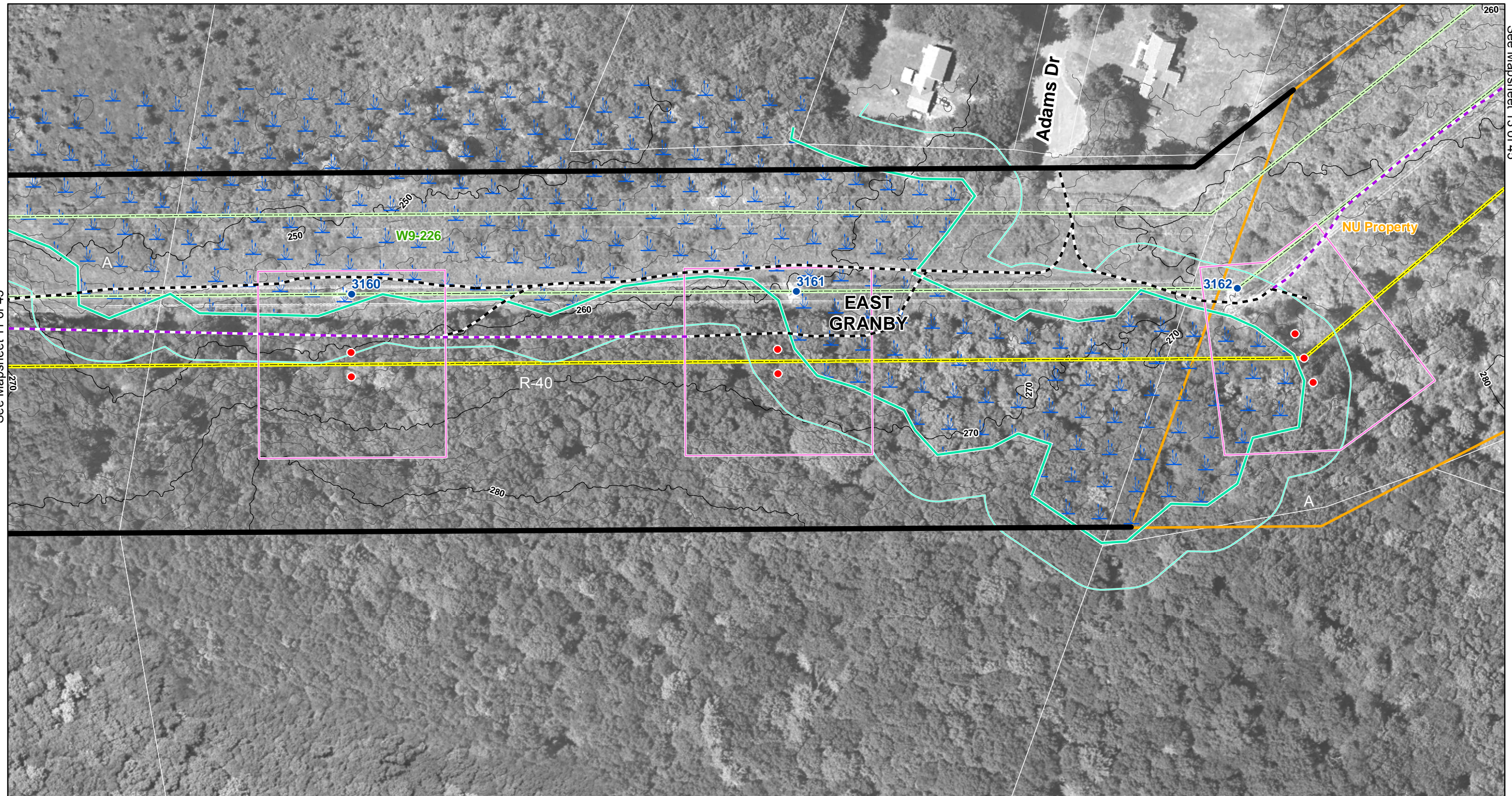
- 180 feet

Proposed Additional Cleared Right-of-Way Width

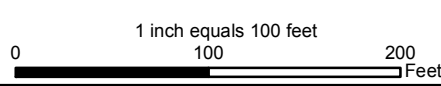
- 30-110 feet

Road Crossings/Major Utility Crossings

- None



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 12 of 45

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, forest, and cultivated land

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Agricultural east and north of structure 3165
- Residential east of structures 3163-3164
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-227, W9-228, W9-229, W9-230, and W9-231
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands

Potential Access

- Structures 3163-3165 can be accessed from Holcomb Street

Right-of-Way Vegetation

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

Ledge

- None

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet from structure 3165 to the northwest
- 536 feet at the greatest width between structures 3162-3164

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 30-110 feet

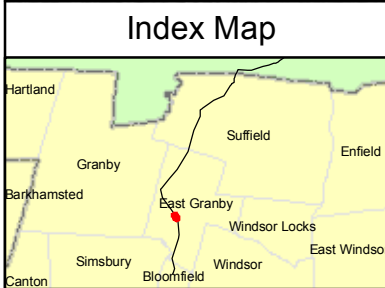
Road Crossings/Major Utility Crossings

- Holcomb Street south of structure 3163



See Mapsheet 12 of 45

See Mapsheet 14 of 45



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 13 of 45

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, forest, and cultivated land

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Agricultural east and south of structure 3166
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-232, W9-232A, W9-233, W9-234, W9-235, and W9-236
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-83A, S9-84, and S9-85
- Confirmed Vernal Pools

Potential Access

- Structures 3166-3168 can be accessed from Holcomb Street

Right-of-Way Vegetation

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

Ledge

- None

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

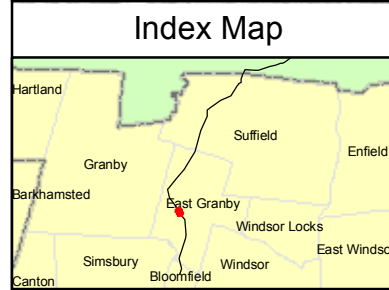
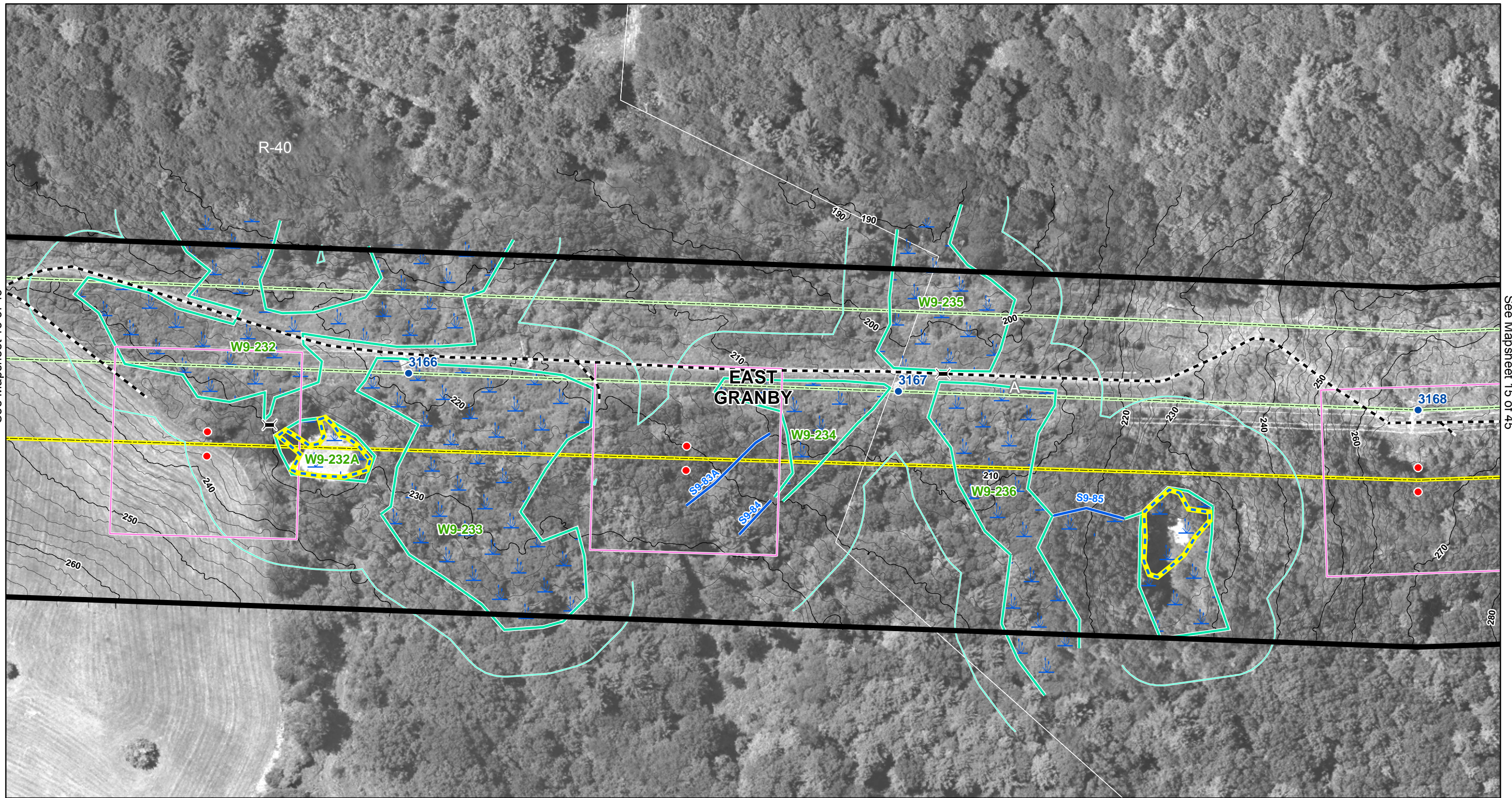
- 30-110 feet

Road Crossings/Major Utility Crossings

- None

See Mapsheet 13 of 45

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

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Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

MAPSHEET 15 of 45:

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3169 to 3171
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest and cultivated land

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-237, and W9-238
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-86, and S9-87 (Muddy Brook)

Potential Access

- Structures 3169-3171 can be accessed from Holcomb Street

Right-of-Way Vegetation

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

Ledge

- None

Terrain

- Flat to rolling hills between structures

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

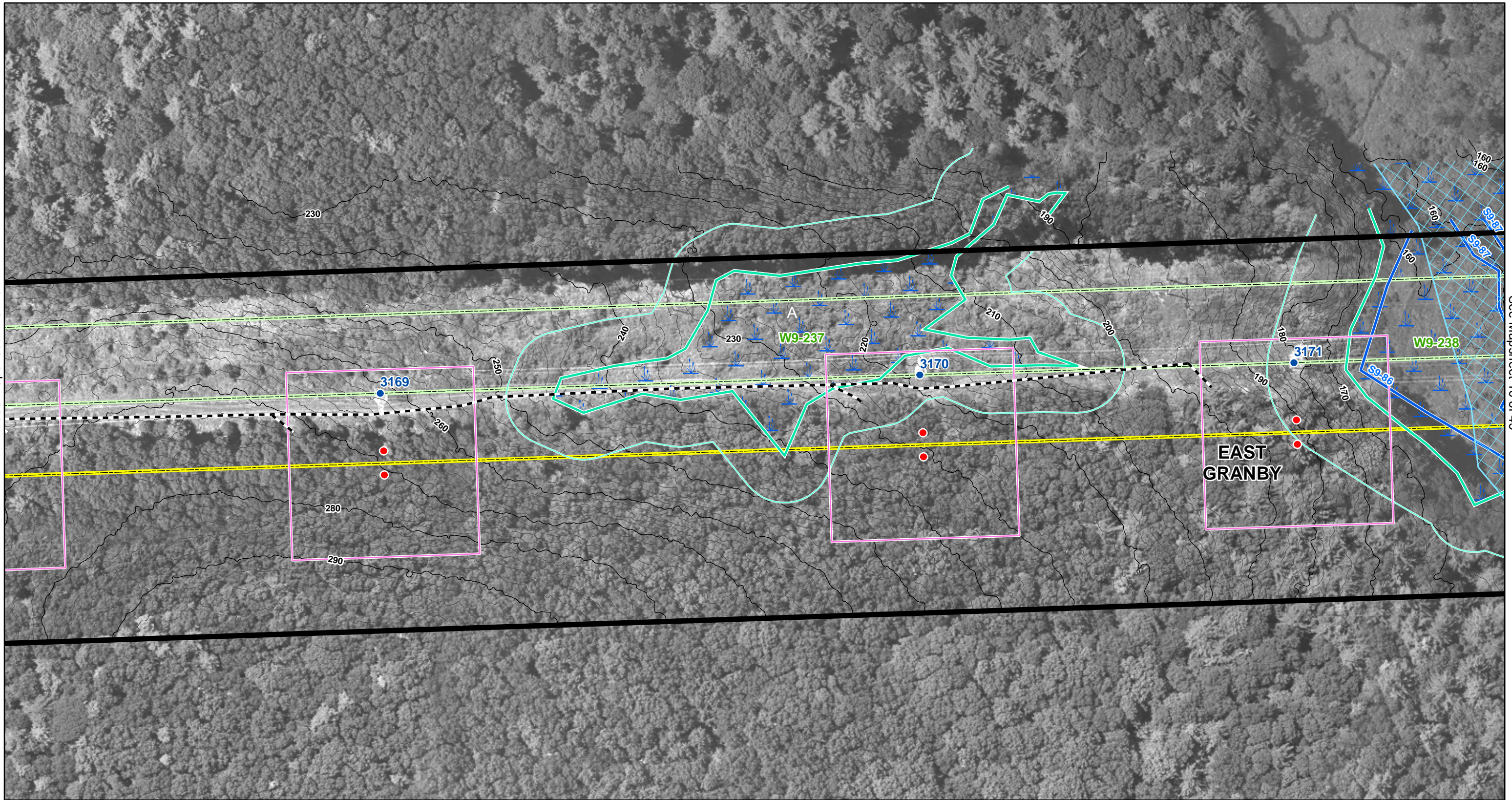
- 30-110 feet

Road Crossings/Major Utility Crossings

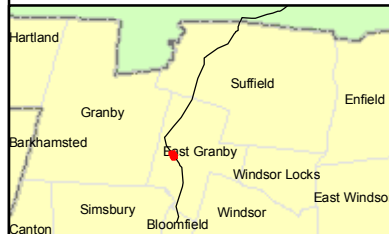
- None

See Mapsheet 14 of 45

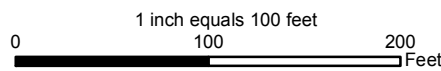
See Mapsheet 16 of 45



Index Map



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



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 15 of 45

Date: September 2008

MAPSHEET 16 of 45:

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3172 to 3173
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Designated community facility (Town of East Granby)

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest and cultivated land

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Agricultural adjacent to and between structures 3172-3173
- Designated community facility (Town of East Granby) north of structure 3173
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-238, W9-239, and W9-240
- Wetland Cover Types – Palustrine Scrub – Shrub Wetlands, Palustrine Forested Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-86, S9-87 (Muddy Brook), S9-89 and S9-90

Potential Access

- Structures 3172-3173 can be accessed from either State Route 20/Turkey Hills Road or State Route 189

Right-of-Way Vegetation

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

Terrain

- Hilly between structures 3172-3173
- Hilly to steep northwest of structure 3173

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

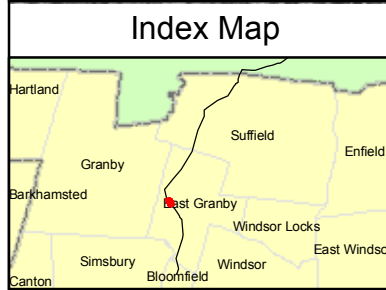
- 25-110 feet

Road Crossings/Major Utility Crossings

- None

See Mapsheet 15 of 45

See Mapsheet 17 of 45



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 16 of 45

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3174 to 3176
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Designated community facility (Town of East Granby)

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest and old field/shrub

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Designated community facility (Town of East Granby) adjacent to and between structures 3174-3175
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-241, and W9-242
- Wetland Cover Types – Palustrine Scrub – Shrub Wetlands, Palustrine Emergent Wetlands
- Confirmed Vernal Pools

Potential Access

- Structures 3174-3176 can be accessed from either State Route 20/Turkey Hills Road or State Route 189

Right-of-Way Vegetation

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

Terrain

- Hilly to steep southeast of structure 3174
- Broad and flat between structures 3174-3176

Existing Right-of-Way Width

- 385 feet

Existing Cleared/Maintained Right-of-Way Width

- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

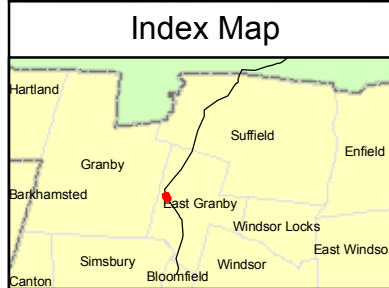
Road Crossings/Major Utility Crossings

- None

See Mapsheet 16 of 45



See Mapsheet 18 of 45



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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 17 of 45

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

MAPSHEET 18 of 45:

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
And 4.6-Mile In-ROW Underground Line Route Variation
Existing Structure Locations 3177 to 3179
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural

Future Land Use

- Zoning (current):
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest and residential

**RIGHT-OF-WAY DESCRIPTION (Connecticut Portion of the North
Bloomfield to Agawam 345-kV Line Route and 4.6-Mile In-ROW
Underground Line Route Variation)**

Adjacent Land Use

- Forest

Wetlands, Watercourses and Waterbodies

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

Potential Access

- Structures 3177-3179 can be accessed from either State Route 20/Turkey Hills Road or State Route 189

Right-of-Way 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

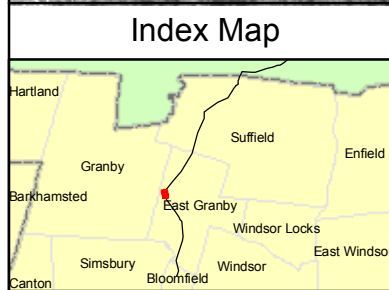
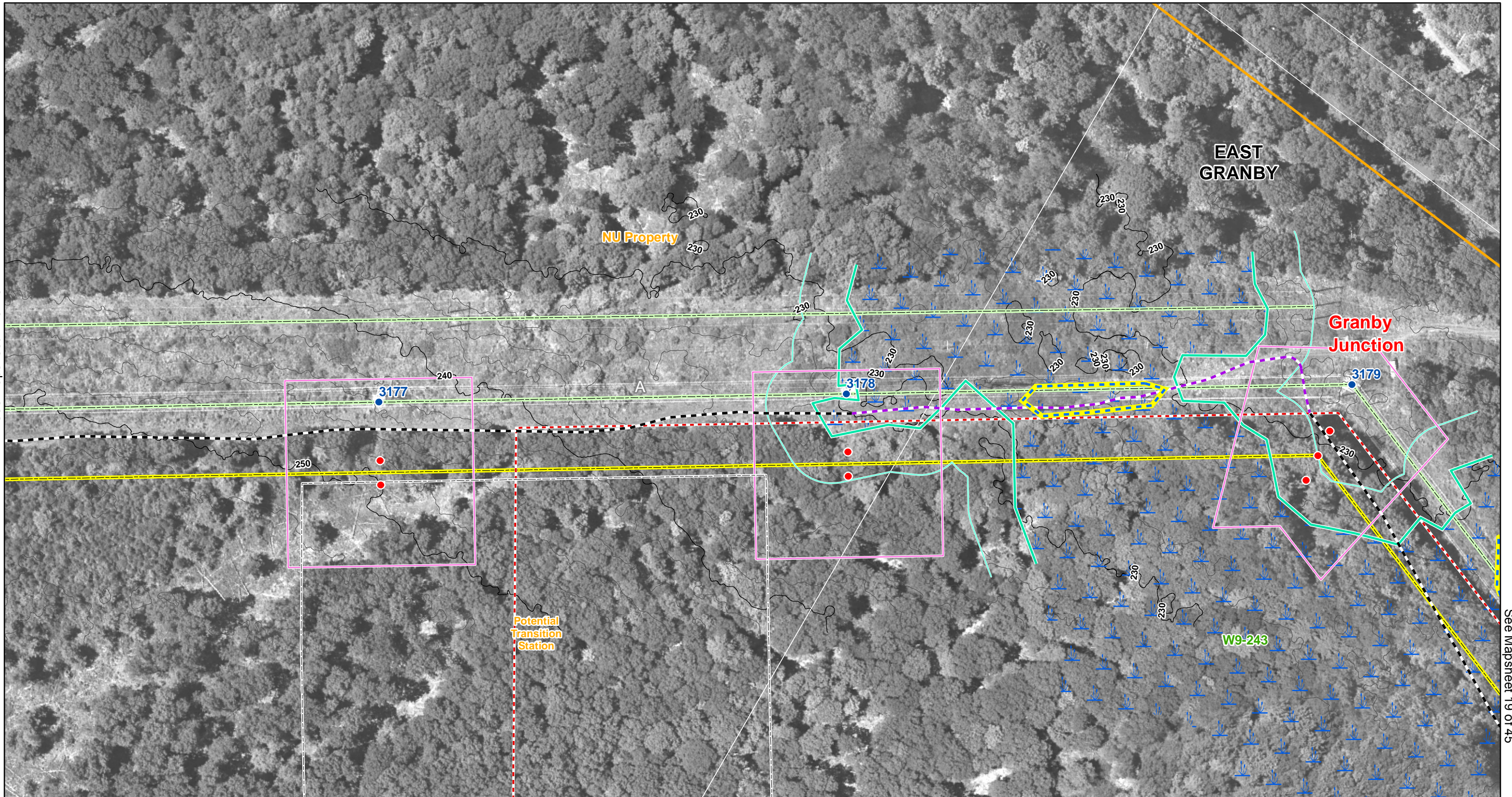
- 180 feet

Proposed Additional Cleared Right-of-Way Width

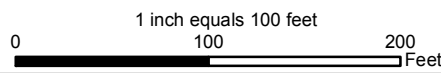
- 25-110 feet
- Approximately 4 acres of clearing for a potential transition station associated with the 4.6-Mile In-ROW Underground Line Route Variation

Road Crossings/Major Utility Crossings

- None



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission Line Proposed Transmission Line 	<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 345-kV Underground Variation 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> Wetland Area 100 Year Flood Zone Property Line
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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
 4.6-Mile In-ROW Underground Line Route Variation
 Mapsheet 18 of 45

 Connecticut Light & Power <small>The Northeast Utilities System</small>
 ENSR AECOM
Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
And 4.6-Mile In-ROW Underground Line Route Variation
Existing Structure Locations 3179 to 3181
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and residential

**RIGHT-OF-WAY DESCRIPTION (Connecticut Portion of the North
Bloomfield to Agawam 345-kV Line Route and 4.6-Mile In-ROW
Underground Line Route Variation)**

Adjacent Land Use

- Residential southeast of structure 3180
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-243, and W9-244
- Wetland Cover Types – Palustrine Scrub – Shrub Wetlands, Palustrine Forested Wetlands
- Stream No. S9-91 (Muddy Brook)
- Confirmed Vernal Pools

Potential Access

- Structure 3179 can be accessed from either State Route 20/Turkey Hills Road or State Route 189
- Structures 3180-3181 can be accessed from either State Route 20/Turkey Hills Road or Newgate Road

Right-of-Way Vegetation

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

Terrain

- Broad and flat between structures 3179-3181

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 70-110 feet

Road Crossings/Major Utility Crossings

- State Route 20/Turkey Hills Road between structures 3179-3180

Note: Underground Line Route Variations descriptions can be found on Mapsheet 2 of 22, Newgate Road Underground Line Route Variation, and Mapsheet 2 of 29, State Route 168/187 Underground Line Route Variation.