

<ul style="list-style-type: none"> ● Existing Line Structure to Remain ○ Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> □ Potential Transition Station 🍷 Natural Diversity Area 🟢 Existing Transmission Line 🟡 Proposed Transmission Line 	<ul style="list-style-type: none"> ⚡ Right-of-Way (Existing) 🔴 Right-of-Way (Expanded) 🔴 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**

Massachusetts State Route
220/Enfield Underground
Line Route Variation

Mapsheet 08 of 16



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



Date: September 2008



MAPSHEET 9 of 16:

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

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial/Industrial

Future Land Use

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

Natural Systems

- Mixed hardwood and evergreen forest varying in size and age

Visual Character

- Residential and commercial/industrial

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Forest

Wetlands, Watercourses and Waterbodies

- None

Vegetation

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

Existing Ledge, Cut, and Fill

- Cuts made for road construction

Terrain

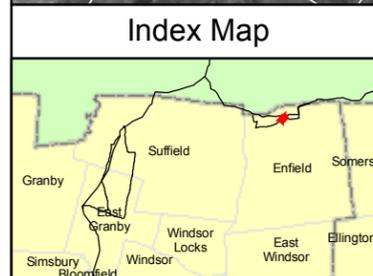
- Broad, flat hilltops

Roads (Aligned Within or Adjacent To)

- Brainard Road, two lanes

See Mapsheet 08 of 16

See Mapsheet 10 of 16



<ul style="list-style-type: none"> ● Existing Line Structure to Remain ○ Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> □ Potential Transition Station 🗺 Natural Diversity Area 🟢 Existing Transmission Line 🟡 Proposed Transmission Line 	<ul style="list-style-type: none"> ⚡ Right-of-Way (Existing) ⚡ Right-of-Way (Expanded) ⚡ 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

Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 09 of 16



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

MAPSHEET 10 of 16:

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

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial/Industrial
- Open field-shrub

Future Land Use

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

Natural Systems

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

Visual Character

- Residential and commercial/industrial

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Forest

Wetlands, Watercourses and Waterbodies

- None

Vegetation

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

Existing Ledge, Cut, and Fill

- Cuts made for road construction

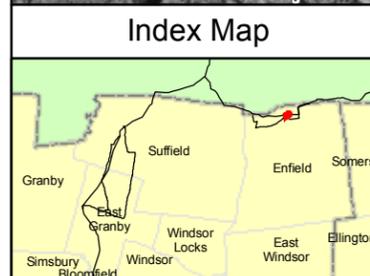
Terrain

- Broad, flat hilltops

Roads (Aligned Within or Adjacent To)

- Brainard Road, two lanes

Note: Overhead Line Route description can be found on Mapsheet 14 of 22, Massachusetts Southern Route Alternative.



<ul style="list-style-type: none"> ● Existing Line Structure to Remain ○ Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> □ Potential Transition Station ⊞ Natural Diversity Area — Existing Transmission Line — Proposed Transmission Line 	<ul style="list-style-type: none"> — Right-of-Way (Existing) — Right-of-Way (Expanded) — 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: 2004 & 2007 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project

Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 10 of 16



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

MAPSHEET 11 of 16:

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

AREA DESCRIPTION

Existing Land Use

- Residential
- Open field-shrub

Future Land Use

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

Natural Systems

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

Visual Character

- Residential and commercial/industrial

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Forest
- Open field-shrub

Wetlands, Watercourses and Waterbodies

- None

Vegetation

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

Existing Ledge, Cut, and Fill

- Cuts made for road construction

Terrain

- Broad, flat hilltops

Roads (Aligned Within or Adjacent To)

- Brainard Road, two lanes



<ul style="list-style-type: none"> ● Existing Line Structure to Remain ○ Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> □ Potential Transition Station ■ Natural Diversity Area — Existing Transmission Line — Proposed Transmission Line 	<ul style="list-style-type: none"> — Right-of-Way (Existing) — Right-of-Way (Expanded) — 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

Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 11 of 16



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008



MAPSHEET 12 of 16:

**Massachusetts State Route 220/Enfield Underground Line Route Variation
Brainard Road To Existing Structure Location 22049
Town of Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Open field-shrub
- Agricultural

Future Land Use

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

Natural Systems

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

Visual Character

- Residential and commercial/industrial

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Agricultural
- Open field-shrub

Wetlands, Watercourses and Waterbodies

- None

Vegetation

- Mixed hardwood and evergreen trees, shrubs, saplings, herbaceous plants, lawns along Brainard Road
- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), House/Yard within the overhead transmission line corridor

Existing Ledge, Cut, and Fill

- Cuts made for road construction

Terrain

- Broad, flat hilltops

Roads (Aligned Within or Adjacent To)

- Brainard Road, two lanes

Note: Overhead Line Route description can be found on Mapsheet 17 of 22, Massachusetts Southern Route Alternative.

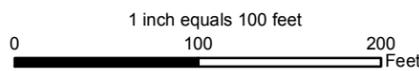


See Mapsheet 17 of 22

Index Map



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



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



**Greater Springfield
Reliability Project**

Massachusetts State Route
220/Enfield Underground
Line Route Variation

Mapsheet 12 of 16



Date: September 2008

MAPSHEET 13 of 16:

**Massachusetts State Route 220/Enfield Underground Line Route Variation
Existing Structure Locations 22050 to 22052
Town of Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Open field-shrub

Future Land Use

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

Natural Systems

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

Visual Character

- Residential and commercial/industrial

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Forest
- Open field-shrub

Wetlands, Watercourses and Waterbodies

- None

Vegetation

- Open Field-Shrub Land, Upland Forest (in un-cleared portion of right-of-way), House/Yard within existing overhead transmission line corridor

Existing Ledge, Cut, and Fill

- Cuts made for road construction

Terrain

- Broad, flat hilltops

Roads (Aligned Within or Adjacent To)

- None (within existing transmission line ROW)

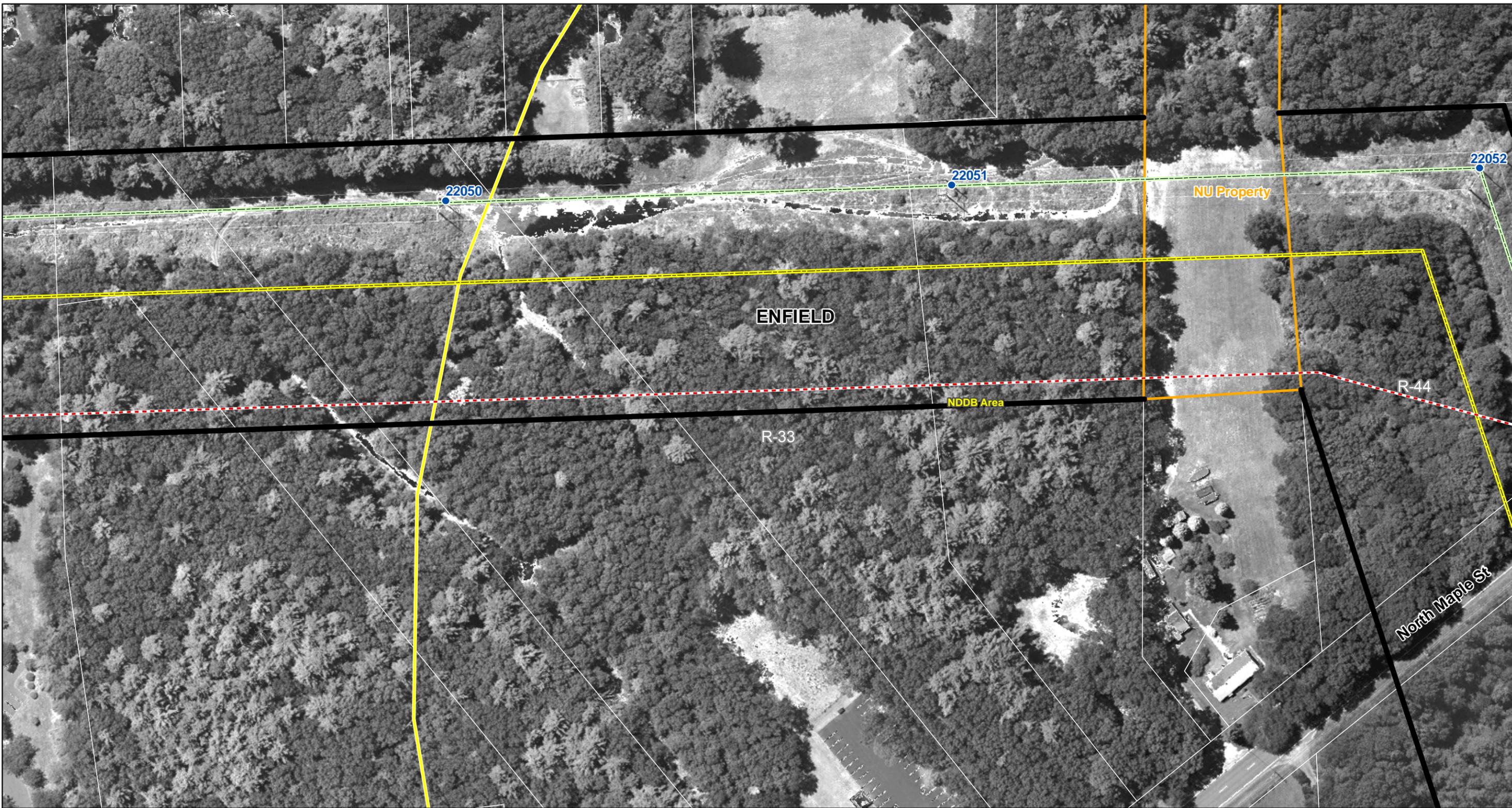
Note: Overhead Line Route description can be found on Mapsheet 18 of 22, Massachusetts Southern Route Alternative.

See Mapsheet 18 of 22

See Mapsheet 12 of 16

See Mapsheet 14 of 16

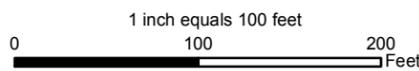
See Mapsheet 19 of 22



Index Map



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



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



Greater Springfield Reliability Project

Massachusetts State Route
220/Enfield Underground
Line Route Variation

Mapsheet 13 of 16



Date: September 2008

MAPSHEET 14 of 16:

**Massachusetts State Route 220/Enfield Underground Line Route Variation
Mayfield Drive
Town of Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Open field-shrub
- Forest

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, commercial/industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Open field-shrub
- Forest

Wetlands, Watercourses and Waterbodies

- None

Vegetation

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants along Mayfield Drive
- Open Field-Shrub Land, Upland Forest (in un-cleared portion of right-of-way) within existing overhead transmission line corridor

Existing Ledge, Cut, and Fill

- Cuts made for road construction

Terrain

- Broad, flat terrain

Roads (Aligned Within or Adjacent To)

- Mayfield Drive, two lanes

Road Crossings/Major Utility Crossings

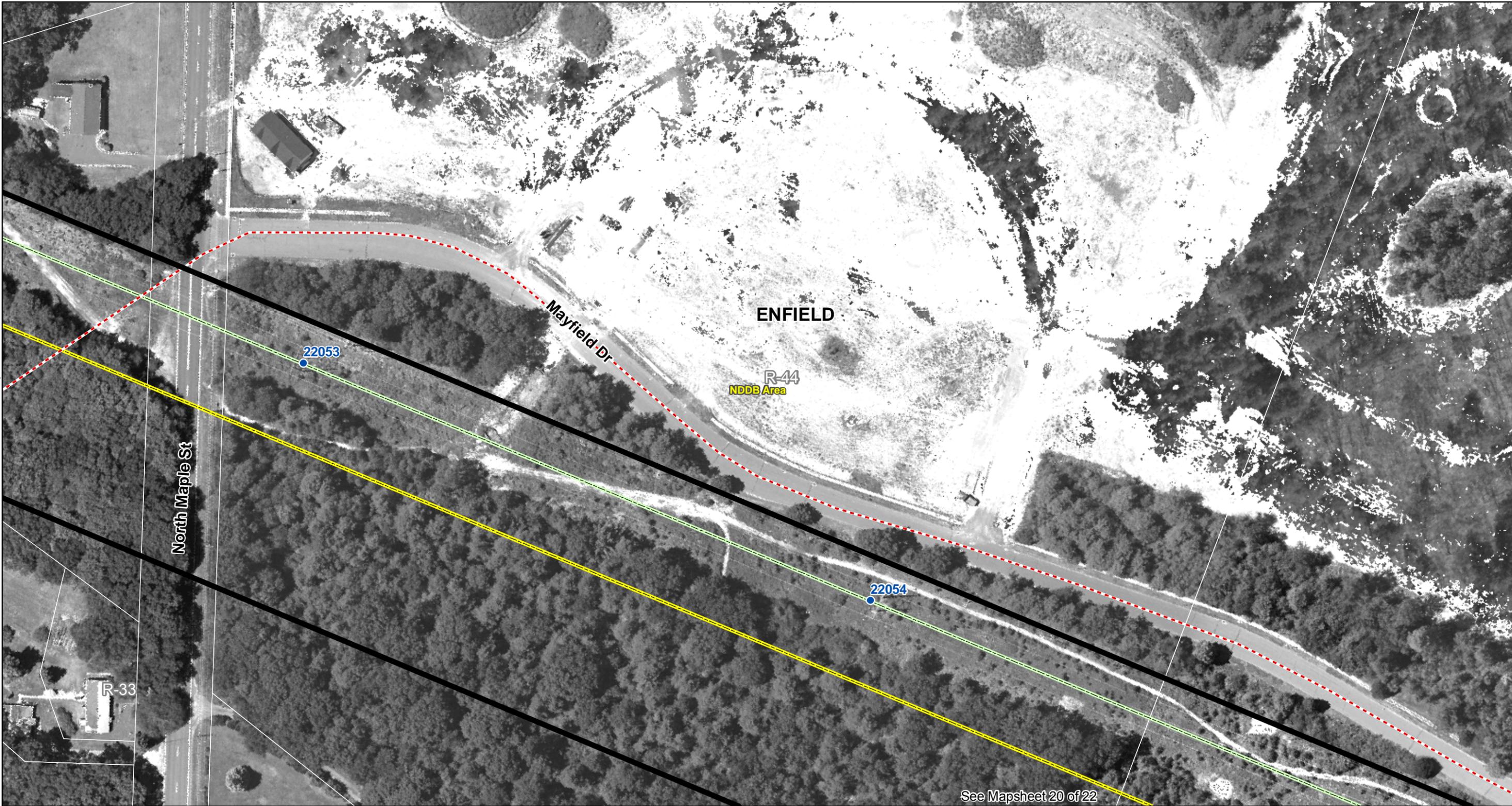
- North Maple Street

Note: Overhead Line Route description can be found on Mapsheet 19 and 20 of 22, Massachusetts Southern Route Alternative.

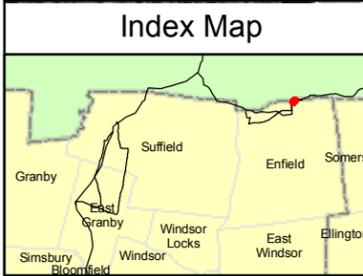
See Mapsheet 19 of 22

See Mapsheet 13 of 16

See Mapsheet 15 of 16



See Mapsheet 20 of 22



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

1 inch equals 100 feet
0 100 200 Feet

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

Greater Springfield Reliability Project

Massachusetts State Route 220/Enfield Underground Line Route Variation

Mapsheet 14 of 16

ENSR | AECOM

Date: September 2008

MAPSHEET 15 of 16:

**Massachusetts State Route 220/Enfield Underground Line Route Variation
Mayfield Drive
Town of Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial/Industrial
- Open field-shrub
- Forest

Future Land Use

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

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, commercial/industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Open field-shrub
- Forest

Wetlands, Watercourses and Waterbodies

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

Vegetation

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants along Mayfield Drive
- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way), House/Yard within the existing overhead transmission line corridor

Existing Ledge, Cut, and Fill

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

Terrain

- Broad, flat terrain

Roads(Aligned Within or Adjacent To)

- Mayfield Drive, two lanes

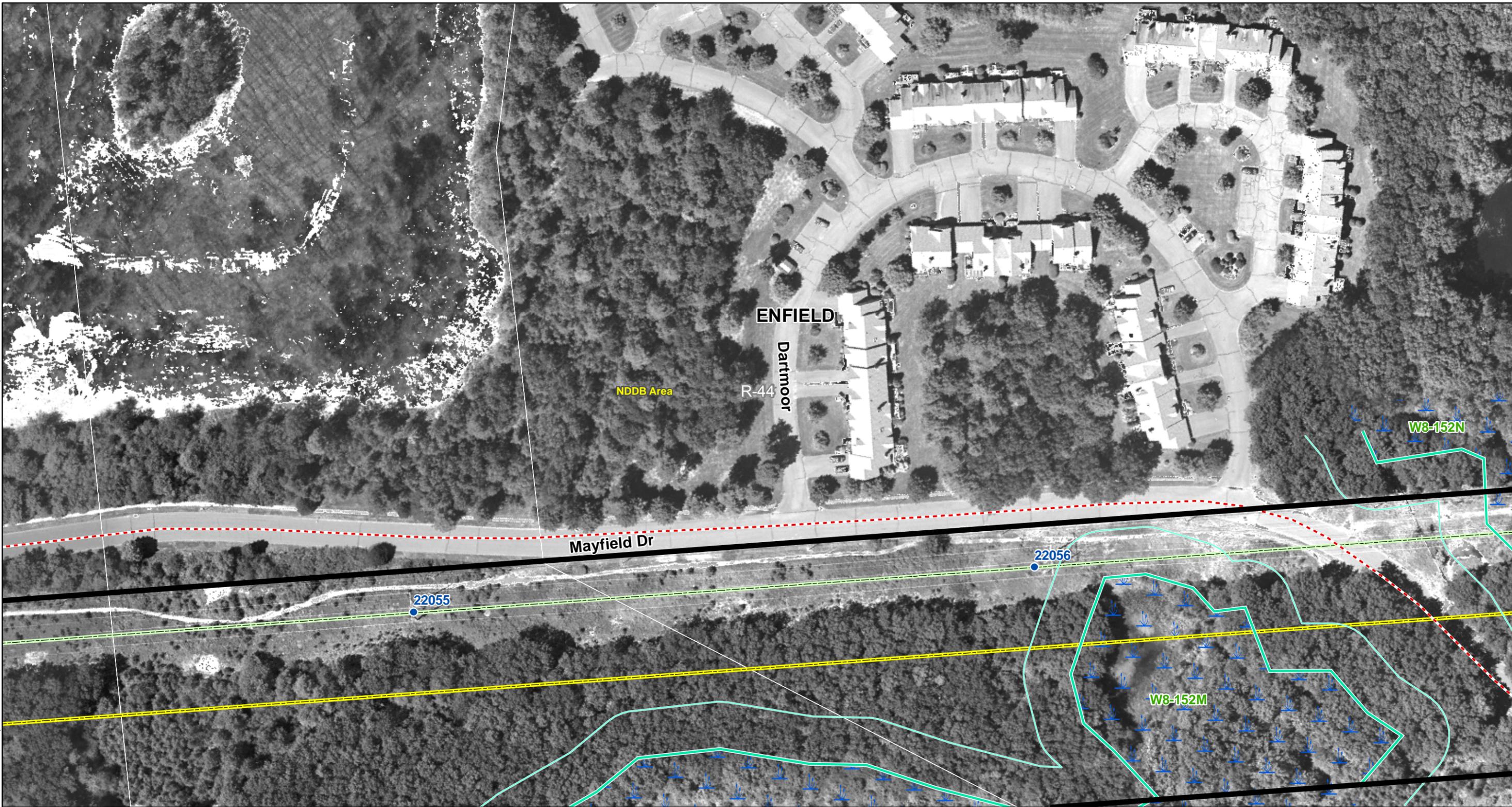
Note: Overhead Line Route description can be found on Mapsheet 20 of 22, Massachusetts Southern Route Alternative.

See Mapsheet 14 of 16

See Mapsheet 19 of 22

See Mapsheet 20 of 22

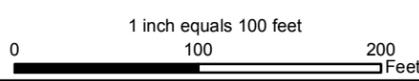
See Mapsheet 16 of 16



Index Map



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



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



Greater Springfield Reliability Project

Massachusetts State Route
 220/Enfield Underground
 Line Route Variation

Mapsheet 15 of 16



Date: September 2008

MAPSHEET 16 of 16:

Massachusetts State Route 220/Enfield Underground Line Route Variation Mayfield Drive Town of Enfield, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Forest

Future Land Use

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

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 forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential
- Forest

Wetlands, Watercourses and Waterbodies

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

Potential Access

- Potential transition station can be accessed from Mayfield Drive

Vegetation

- Mixed hardwood and evergreen trees, shrubs, saplings, and herbaceous plants along Mayfield Drive
- Open Field-Shrub Land, Upland and Wetland Forest (in un-cleared portion of right-of-way) within the existing overhead transmission line corridor

Existing Ledge, Cut, and Fill

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

Terrain

- Broad, flat terrain

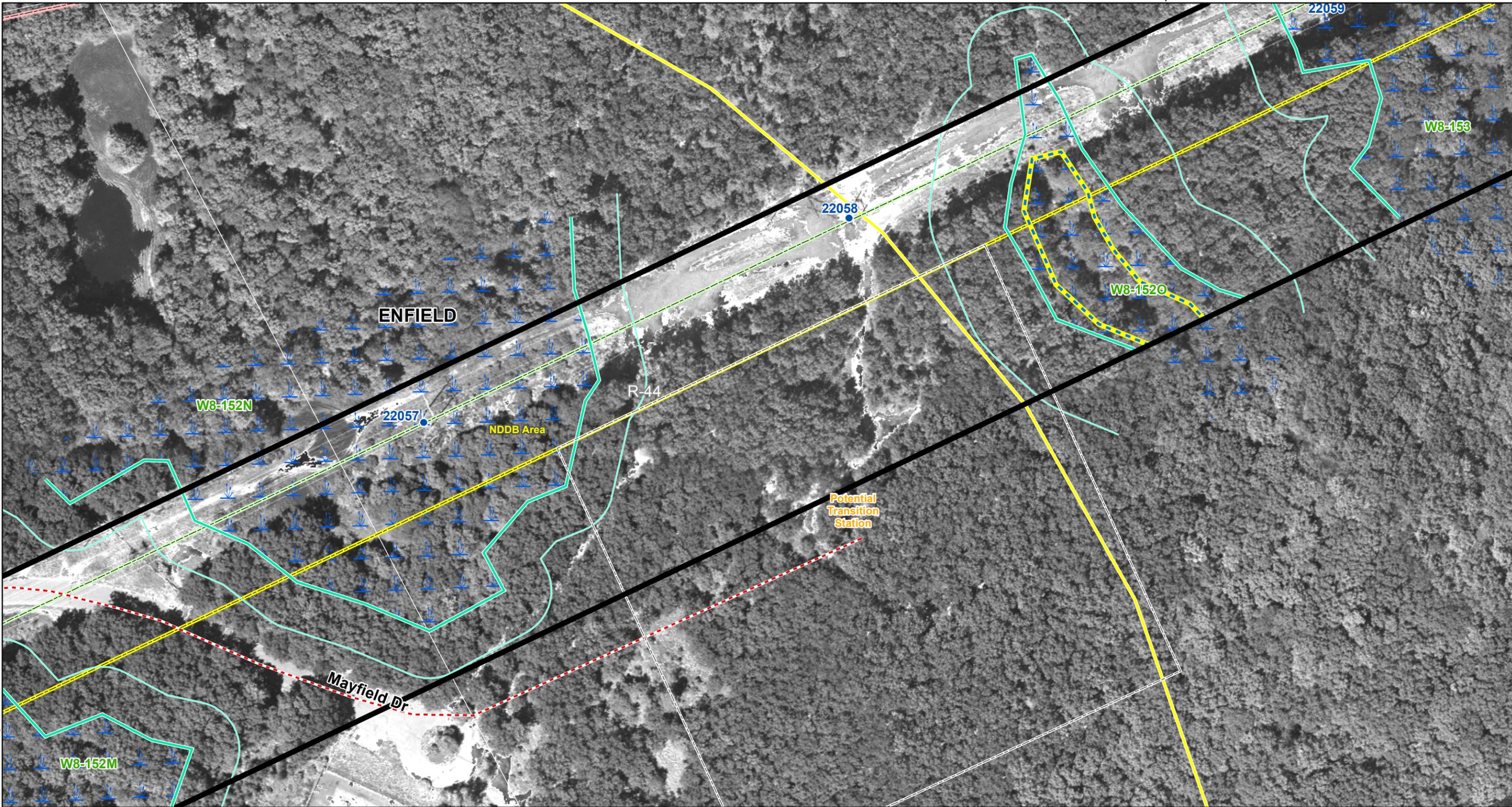
Proposed Additional Clearing

- Approximately 4 acres of clearing for a potential transition station

Roads(Aligned Within or Adjacent To)

- Mayfield Drive, two lanes

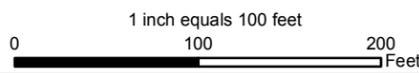
Note: Overhead Line Route description can be found on Mapsheet 21 of 22, Massachusetts Southern Route Alternative.



Index Map



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



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



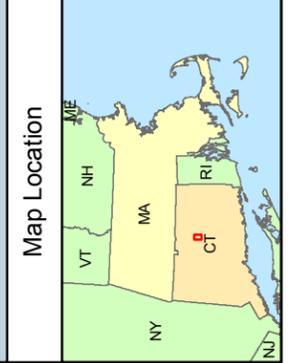
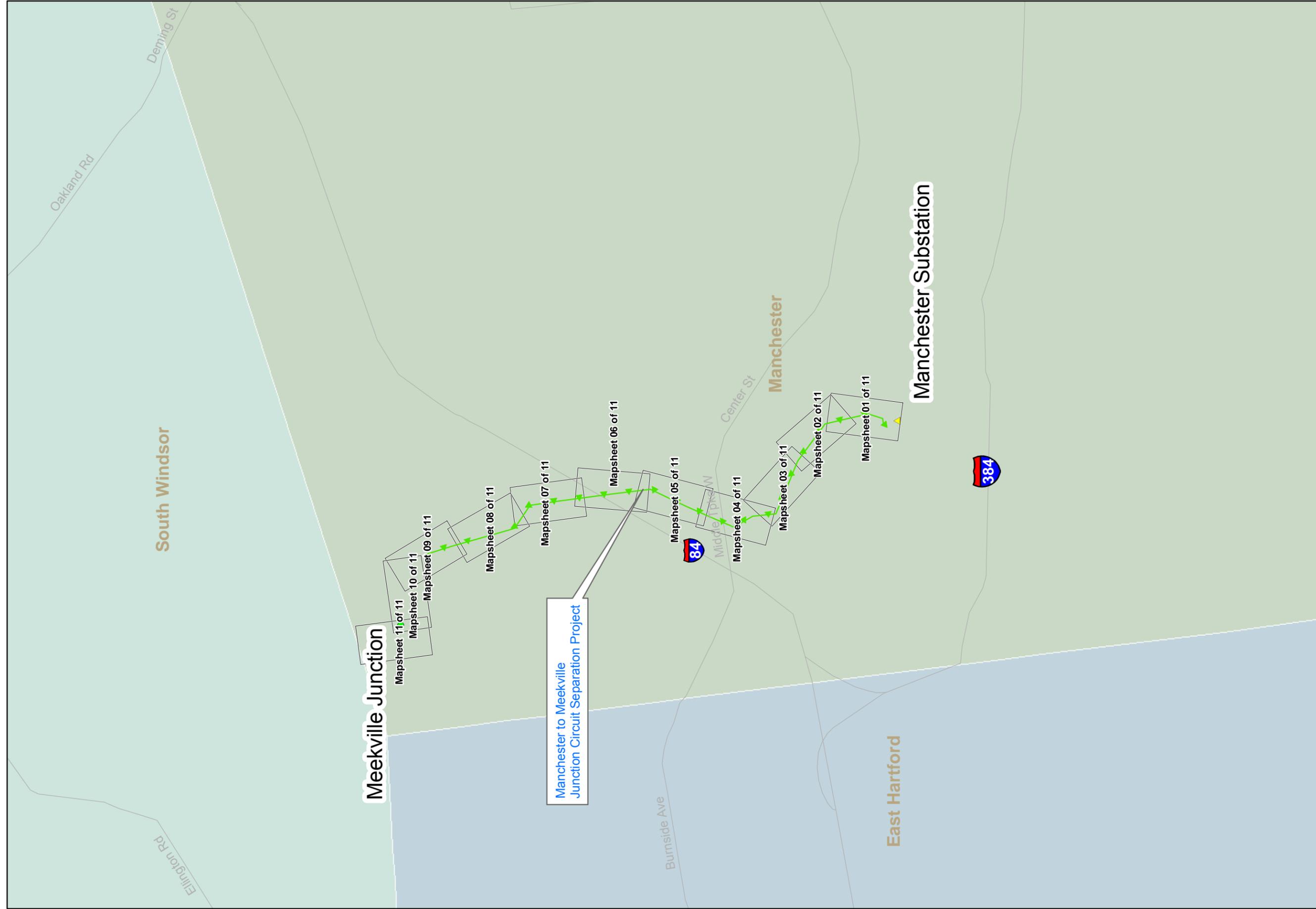
**Greater Springfield
 Reliability Project**

Massachusetts State Route
 220/Enfield Underground
 Line Route Variation

Mapsheet 16 of 16



Date: September 2008



Electric Transmission Routes

- Manchester to Meekville Junction Circuit Separation Project
- Index Map Sheets

Map Location

0 0.25 0.5 0.75 1.24,000 Miles

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

Greater Springfield Reliability Project
Index Map
 Manchester to Meekville Junction Circuit Separation Project
 Connecticut

Date: September 2008

MAPSHEET 1 of 11:

**Manchester to Meekville Junction Circuit Separation Project
Manchester Substation to Existing Structure 20003
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial
- Municipal

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Rural Residence (RR)

Natural Systems

- South Fork Hockanum River
- Marsh
- Mixed hardwood forests varying in age and size
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

Visual Character

- Residential, industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Industrial (Manchester Substation)
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-500, W15-501, W15-502, and W15-503
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S15-200, S15-201 and S15-202 (South Fork Hockanum River)

Potential Access

- Structures 20001-20003 can be accessed from Olcott Street

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 350 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

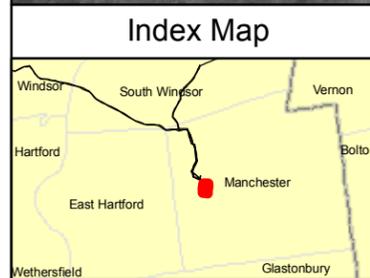
- 200-400 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossings

- Olcott Street north of structure 20003



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope Existing Transmission Line Proposed Transmission Line Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool Town Line 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line
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1 inch equals 100 feet

0 100 200 Feet

Data Source: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 01 of 11



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

MAPSHEET 2 of 11:

Manchester to Meekville Junction Circuit Separation Project Existing Structure Locations 20004 to 20006 Town of Manchester, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial
- Municipal
- Recreational

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Residence A (RA)
 - Rural Residence (RR)

Natural Systems

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

Visual Character

- Residential, industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Landfill southwest of structures 20004-20005
- Recreational northeast of structure 20005
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-502, and W15-503
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream No. S15-202 (South Fork Hockanum River)

Potential Access

- Structure 20004 can be accessed from Olcott Street
- Structures 20005-20006 can be accessed from Thrall Road

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 350 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 200-400 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossings

- None

**Manchester to Meekville Junction Circuit Separation Project
Existing Structure Locations 20006 to 20007
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial
- Municipal

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Rural Residence (RR)

Natural Systems

- South Fork Hockanum River
- Hockanum River and associated tributaries
- Mixed hardwood forests varying in age and size
- State/Federal Jurisdictional Wetlands
- 100 Year Flood Zone

Visual Character

- Residential, industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Water Treatment Plant north of structures 20006-20007
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-503, W15-504, W15-505, and W15-506
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S15-202 and S15-203 (South Fork Hockanum River)
- Confirmed Vernal Pools

Potential Access

- Structure 20006 can be accessed from Thrall Rd
- Structure 20007 can be accessed from either Thrall Road or Middle Turnpike/U.S. Highway 6

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 820 feet at widest point

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

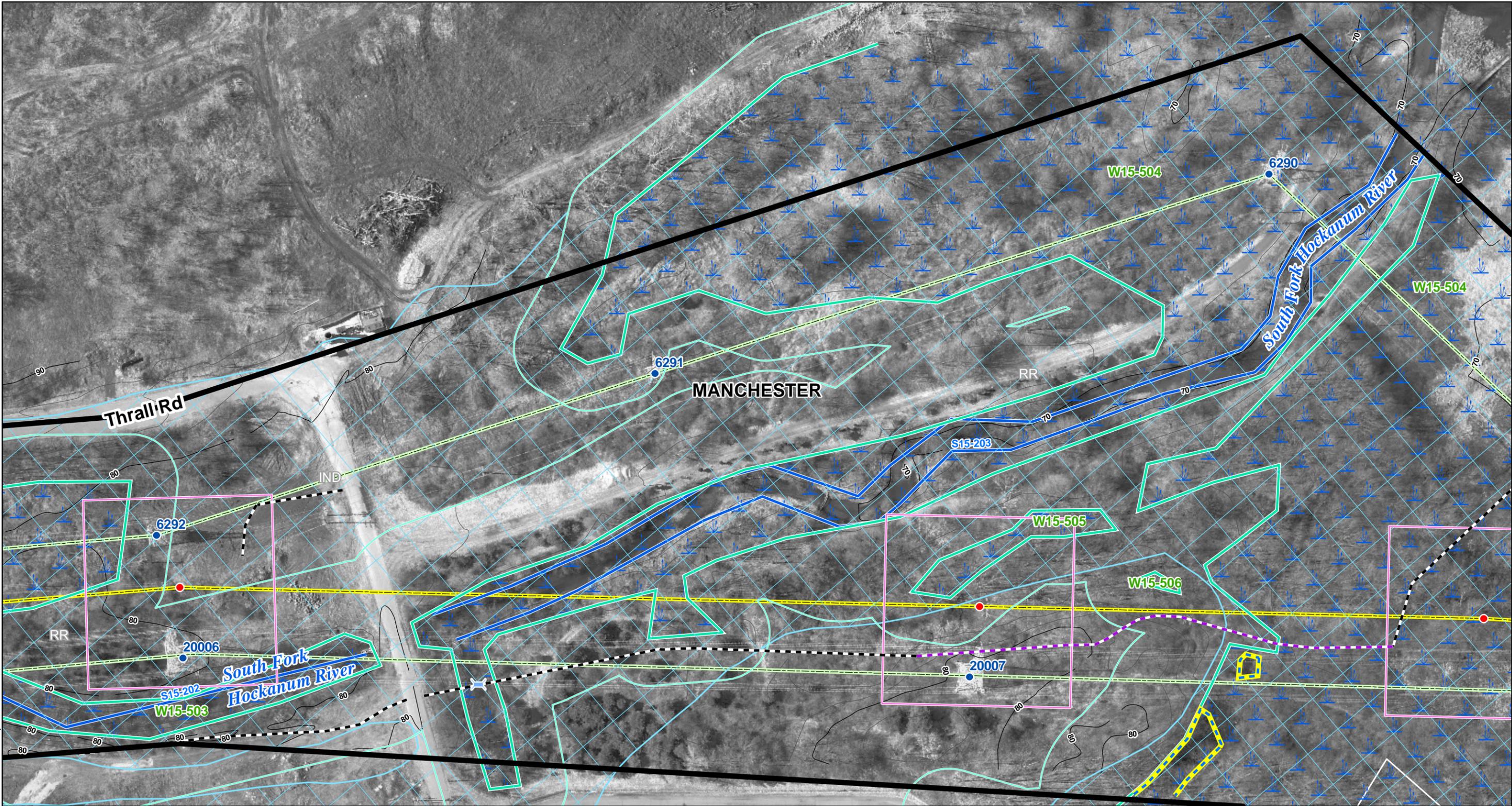
- 200-400 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossing

- Thrall Road between structures 20006-20007



See Mapsheet 02 of 11

See Mapsheet 04 of 11



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope 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 Town Line 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool 	<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: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 03 of 11

Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

**Manchester to Meekville Junction Circuit Separation Project
Existing Structure Locations 20008 to 20009
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial
- Municipal

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Rural Residence (RR)

Natural Systems

- South Fork Hockanum River
- Hockanum River and associated tributaries
- Mixed hardwood forests varying in age and size
- State/Federal Jurisdictional Wetlands
- 100 year flood zone

Visual Character

- Residential, industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-504, and W15-507
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S15-203 (South Fork Hockanum River), S15-204 and S15-205 (Hockanum River)

Potential Access

- Structure 20008 can be accessed from either Middle Turnpike/U.S. Highway 6 or Thrall Road
- Structure 20009 can be accessed from Middle Turnpike/U.S. Highway 6

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 820 feet at the widest point southeast of structure 20008
- 350 feet from structure 20009 to the northeast

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

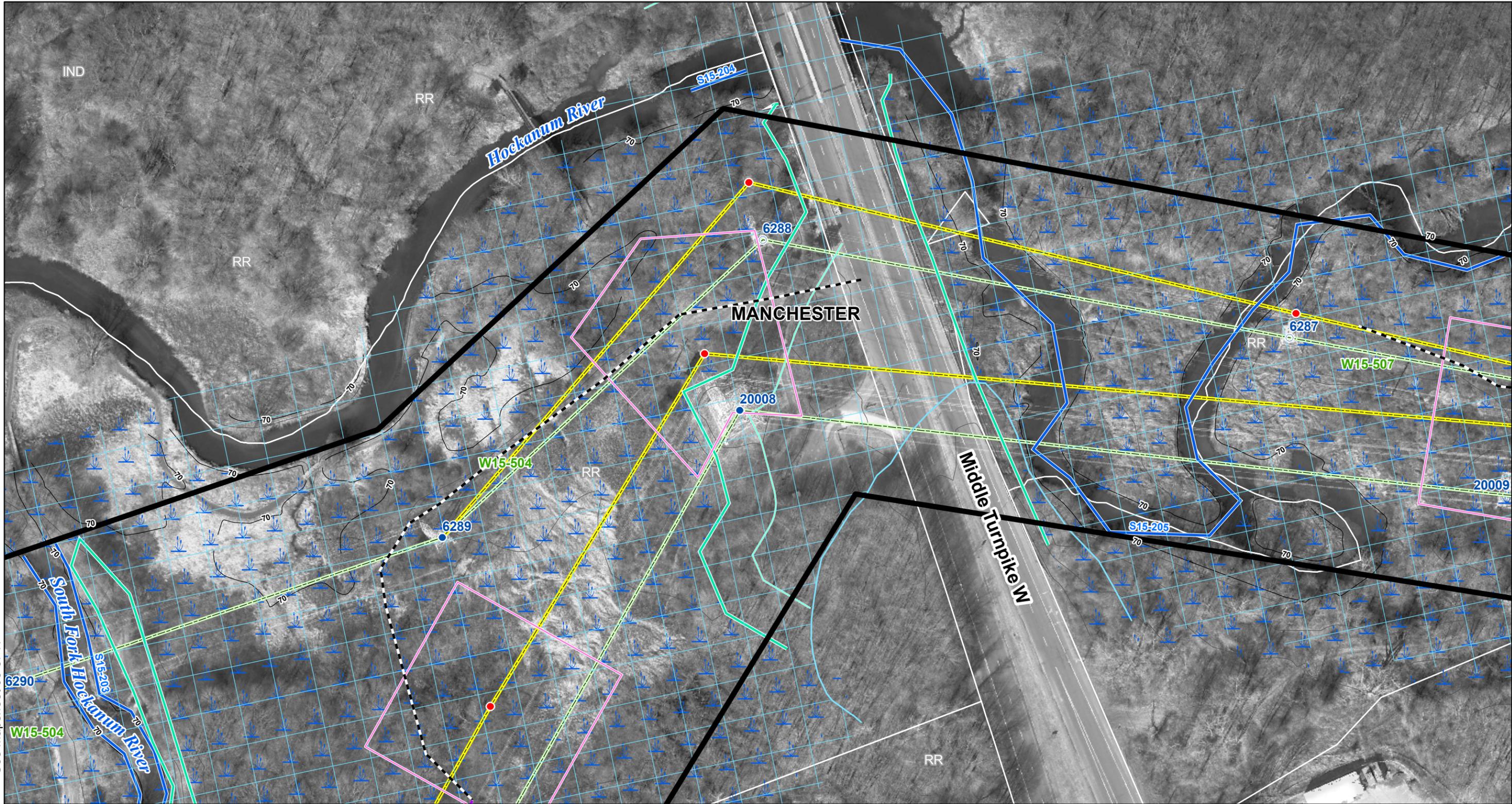
- 200-400 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossing

- Middle Turnpike between structures 20008-20009



See Mapsheet 03 of 11

See Mapsheet 05 of 11



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope 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 	<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: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 04 of 11

ENSR | AECOM

Date: September 2008

MAPSHEET 5 of 11:

**Manchester to Meekville Junction Circuit Separation Project
Existing Structure Locations 20009 to 20011
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial
- Municipal

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Rural Residence (RR)

Natural Systems

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

Visual Character

- Residential, industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Municipal southeast of structures 20009-20011
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland No. W15-507
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S15-205 and S15-206 (Hockanum River)
- Confirmed Vernal Pool

Potential Access

- Structures 20009-20011 can be accessed from Middle Turnpike/U.S. Highway 6

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 350 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 200-400 feet

Proposed Additional Cleared Right-of-Way Width

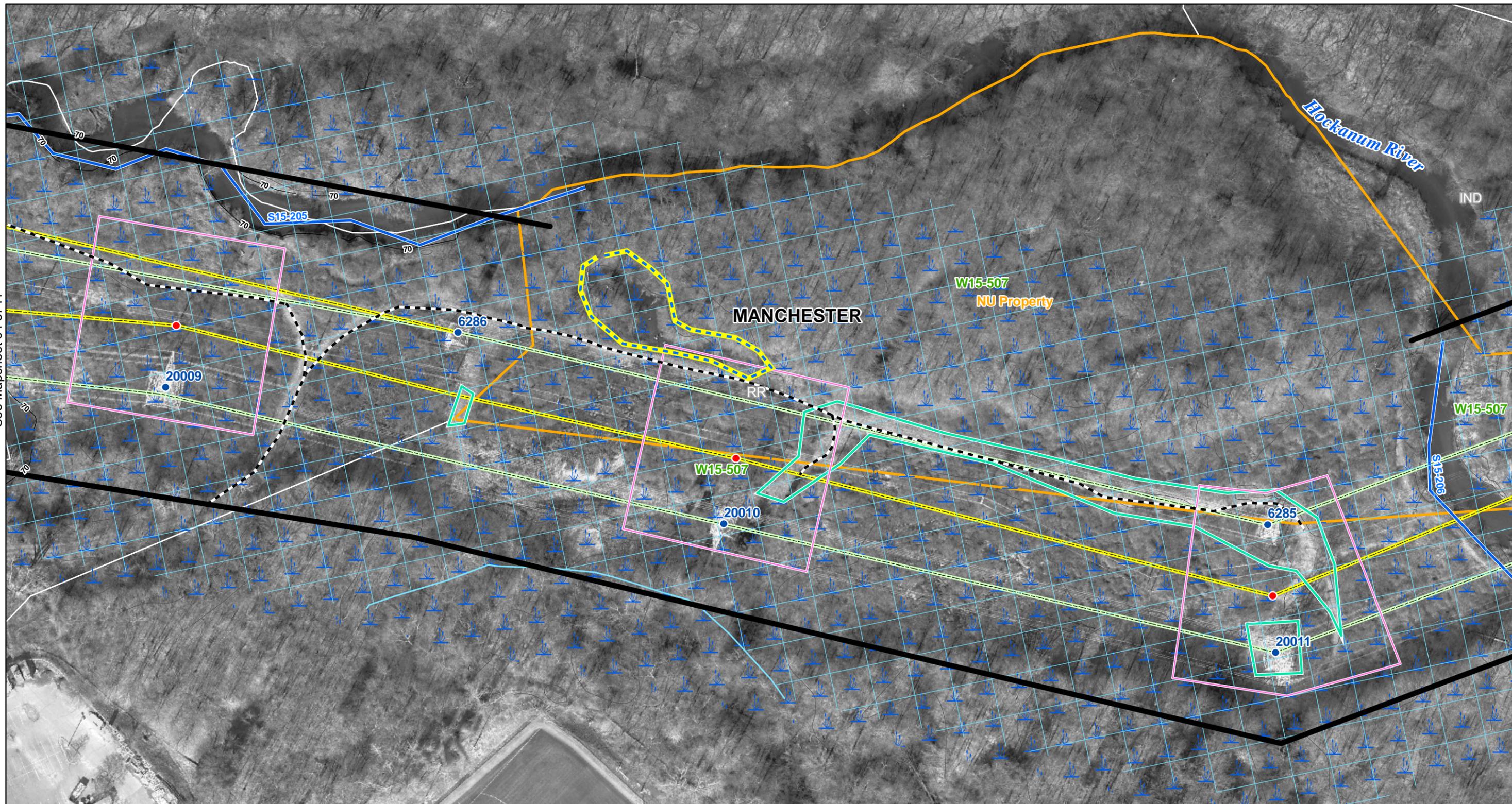
- 0-80 feet

Road Crossings/Major Utility Crossings

- None

See Mapsheet 04 of 11

See Mapsheet 06 of 11



Index Map



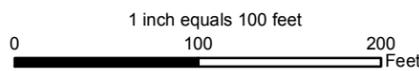
- Existing Culvert
- Proposed Culvert
- Proposed 115-kV Line Structure
- Existing Line Structure to Remain
- Existing Line Structure To Be Removed

- Structure Location Envelope
- Existing Transmission Line
- Proposed Transmission Line

- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Alternate Access Road
- Preferred Access Road

- Wetland Boundary
- Wetland/Watercourse Buffer
- Watercourse
- Confirmed Vernal Pool
- Town Line

- Wetland Area
- 100 Year Flood Zone
- Property Line



Data Source: 2006-7 Aerial Imagery;
 CT DEP 2007; B&McD 2007-2008;
 ENSR Survey 2007-2008



**Greater Springfield
 Reliability Project**
 Manchester to Meekville
 Junction Circuit
 Separation Project
 Mapsheet 05 of 11



Date: September 2008

MAPSHEET 6 of 11:

Manchester to Meekville Junction Circuit Separation Project Existing Structure Locations 20012 to 20013 Town of Manchester, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Rural Residence (RR)

Natural Systems

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

Visual Character

- Residential, urban and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-507, W15-508, and W15-510
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands
- Stream No. S15-206 (Hockanum River)

Potential Access

- Structures 20012-20013 can be accessed from the Interstate 84 off-ramps

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 350 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 220-285 feet

Proposed Additional Cleared Right-of-Way Width

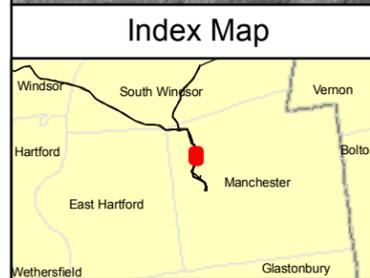
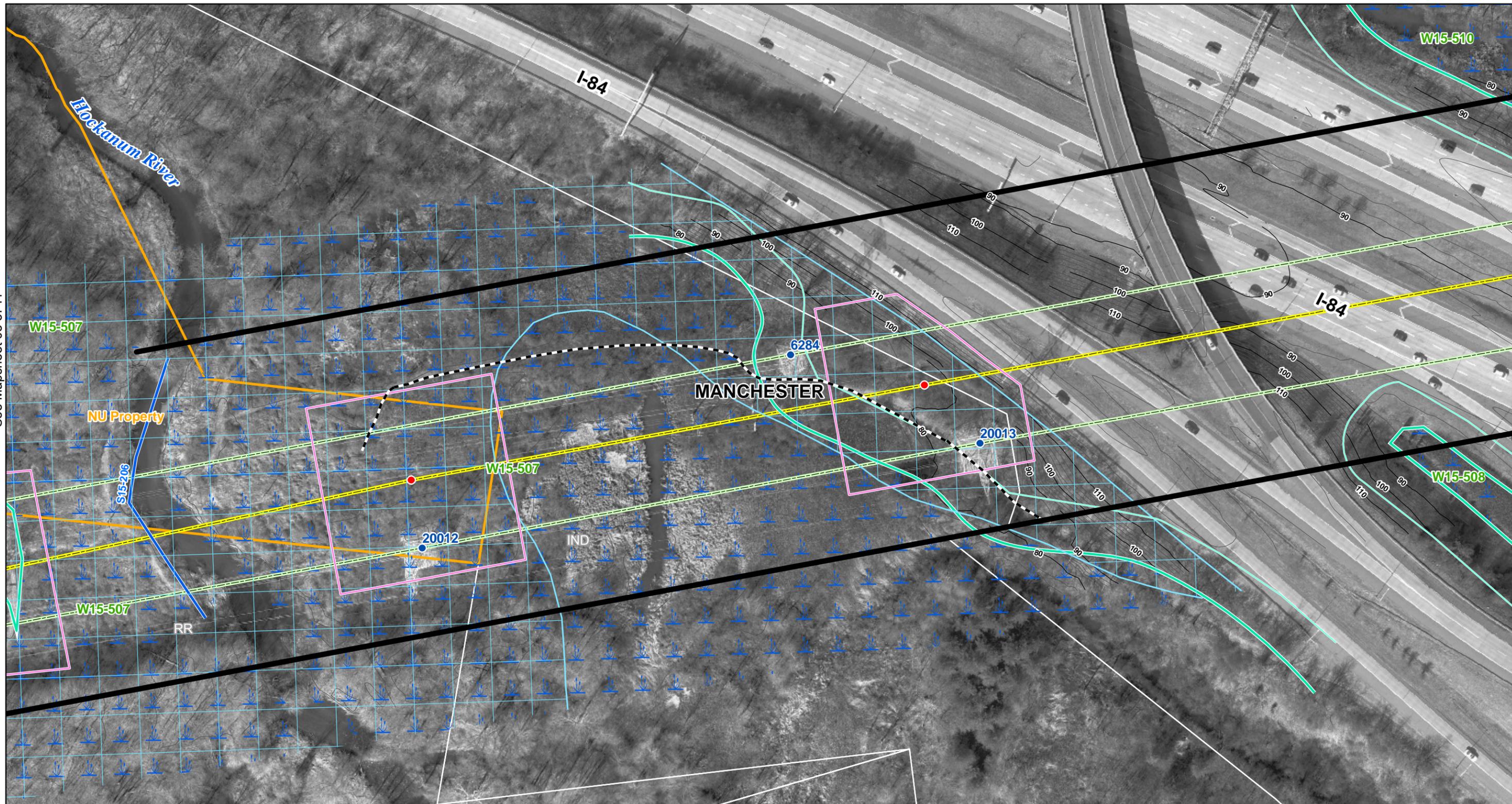
- 0-80 feet

Road Crossings/Major Utility Crossings

- Interstate 84 and State Route 291 off-ramps, and Interstate 84 north of structure 20013.

See Mapsheet 05 of 11

See Mapsheet 07 of 11



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope Existing Transmission Line Proposed Transmission Line Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 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: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 06 of 11



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

**Manchester to Meekville Junction Circuit Separation Project
Existing Structure Locations 20014 to 20016
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Industrial

Future Land Use

- Zoning (current):
 - Industrial (IND)

Natural Systems

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

Visual Character

- Industrial, urban and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-508, W15-510, W15-511, and W15-512
- Wetland Cover Types –Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands

Potential Access

- Structure 20014 can be accessed from the Interstate 84 off-ramp
- Structures 20015-20016 can be accessed from Tolland Turnpike

Right-of-Way Vegetation

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

Terrain

- Broad and flat
- Steep hills between structures 20015-20016

Existing Right-of-Way Width

- 350 feet between structures 20014-20015
- 360 feet between structures 20015-20016

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

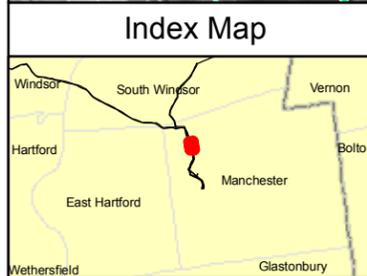
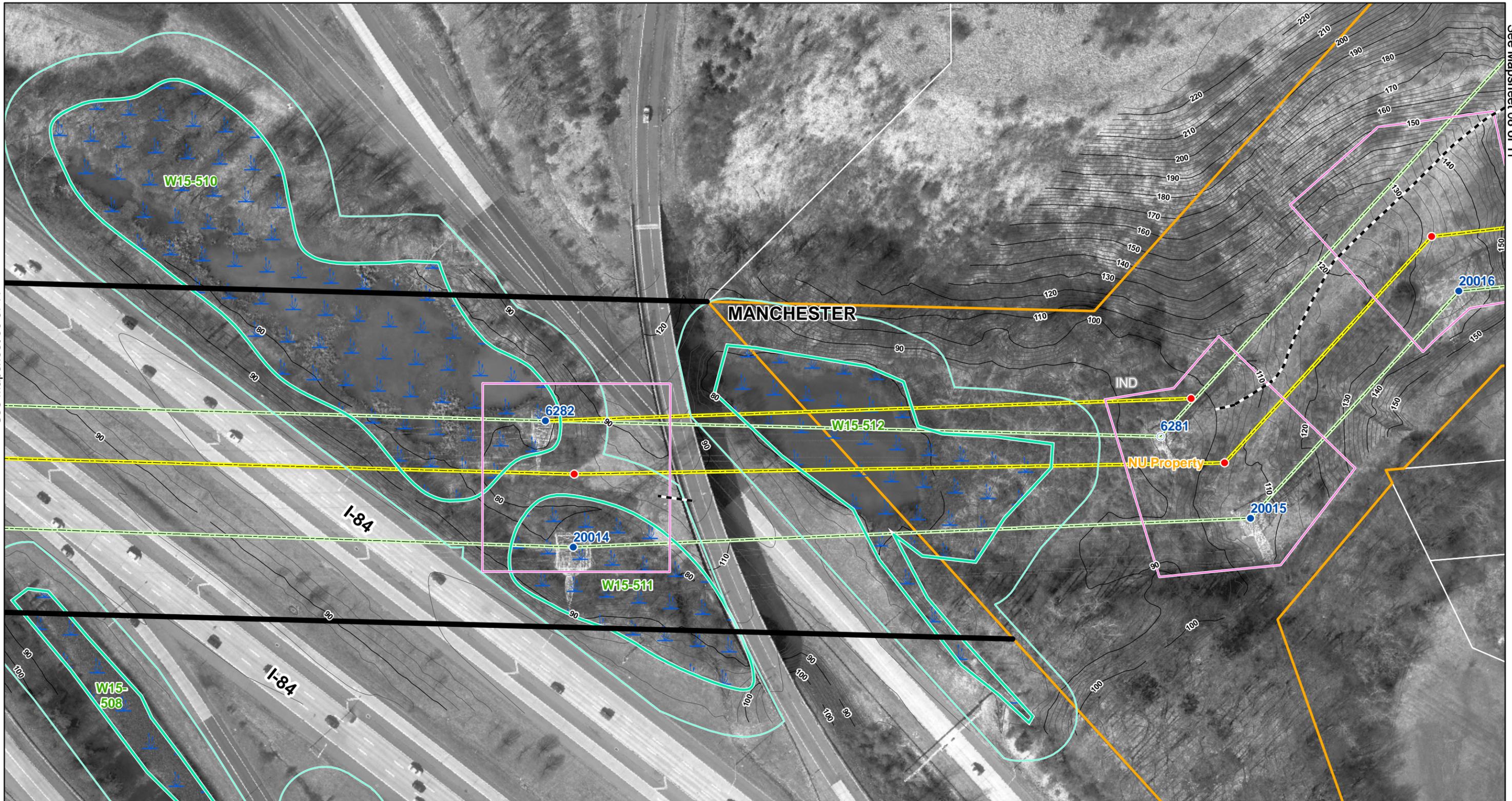
- 220-285 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossings

- Interstate 84 south of structure 20014
- Interstate 84 and State Route 291 ramps between structures 20014 and 20015



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope Existing Transmission Line Proposed Transmission Line Right-of-Way (Existing) Right-of-Way (Expanded) Alternate Access Road Preferred Access Road 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: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 07 of 11



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

**Manchester to Meekville Junction Circuit Separation Project
Existing Structure Locations 20016 to 20018
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Industrial

Future Land Use

- Zoning (current):
 - Industrial (IND)

Natural Systems

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

Visual Character

- Industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Commercial adjacent to structures 20016-20018
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-513, and W15-514
- Wetland Cover Type – Palustrine Emergent Wetlands

Potential Access

- Structures 20016-20018 can be accessed from Tolland Turnpike

Right-of-Way Vegetation

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

Terrain

- Steep hills southeast of structure 20016
- Broad and flat between structures between structures 20017-20018

Existing Right-of-Way Width

- 360 feet southeast of structure 20016
- 570 feet at the widest point between structures 20016-20018

Proposed Expansion of Right-of-Way Width

- 20 feet near Tolland Turnpike

Existing Cleared/Maintained Right-of-Way Width

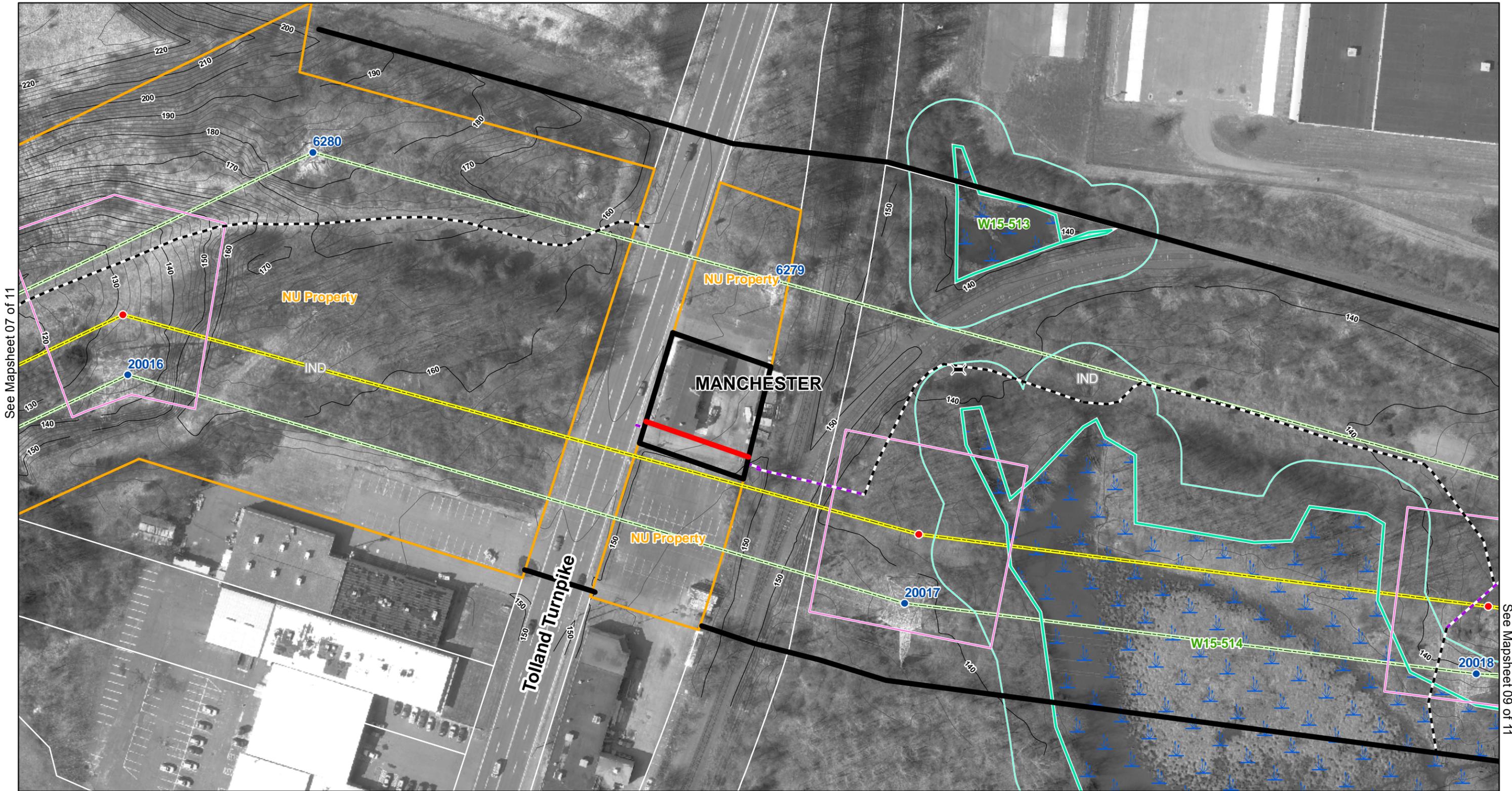
- 240-270 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossings

- Tolland Turnpike and railroad between structures 20016-20017



See Mapsheet 07 of 11

See Mapsheet 09 of 11



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope 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 	<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: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 08 of 11

Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

MAPSHEET 9 of 11:

Manchester to Meekville Junction Circuit Separation Project Existing Structure Locations 20018 to 20020 Town of Manchester, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Commercial (GB)
 - Rural Residence (RR)

Natural Systems

- Open water (ponds)
- Mixed hardwood forests varying in age and size
- State/Federal Jurisdictional Wetlands

Visual Character

- Industrial and forest.

RIGHT-OF-WAY DESCRIPTION

Land Use

- Commercial adjacent to structures 20018-20019
- Residential northwest of structure 20020
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W5-514, W5-515, and W5-516
- Wetland Cover Type –Palustrine Scrub-Shrub Wetlands
- Stream No. S15-207

Potential Access

- Structure 20018 can be accessed from Tolland Turnpike
- Structures 20019-20020 can be accessed from either Chapel Road or Burnham Street Extension

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 380 feet between structures 20019-20020
- 360-570 feet between structures 20018-20019

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

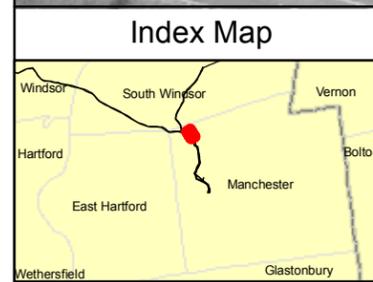
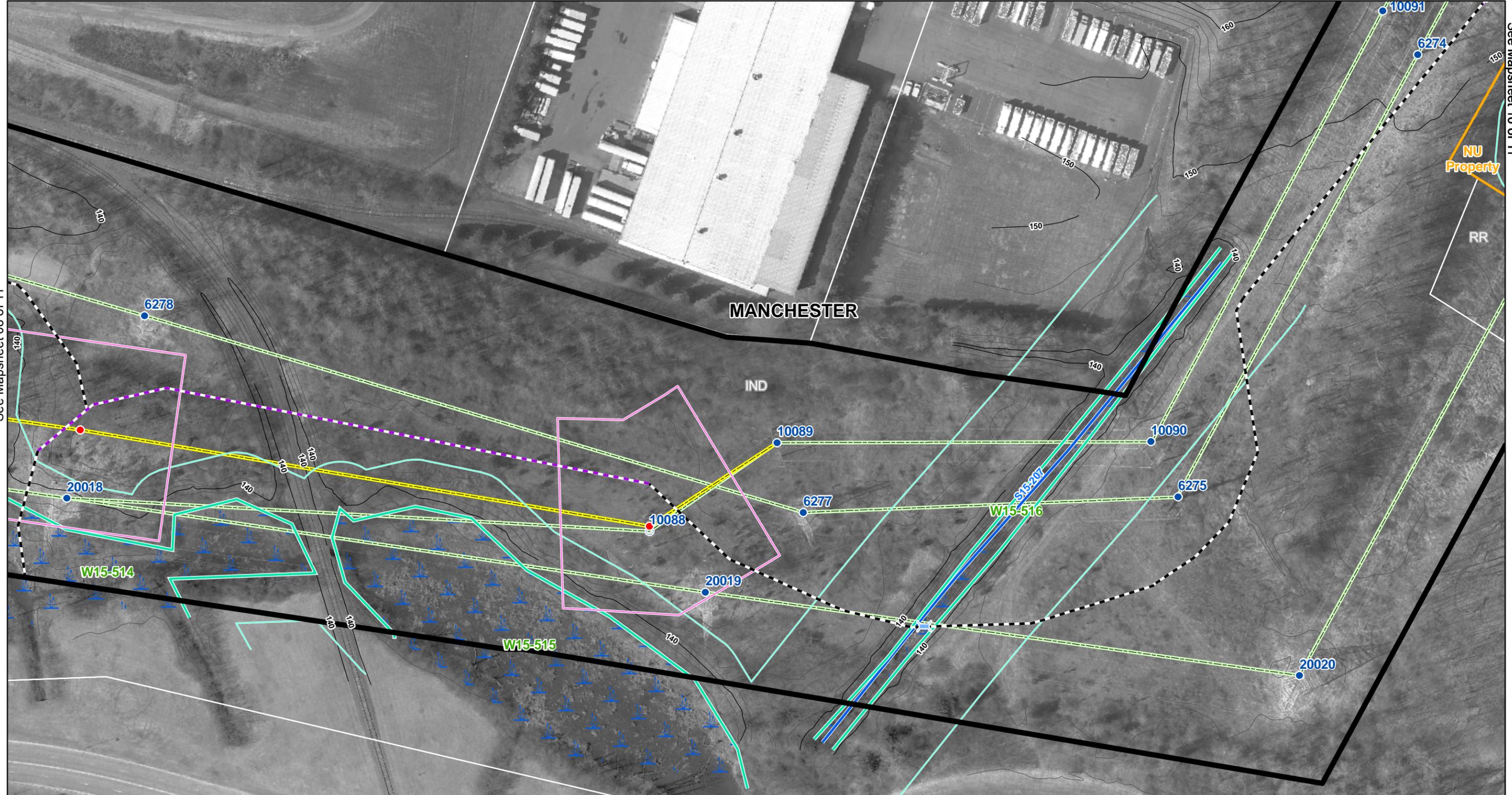
- 240-270 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossings

- Railroad between structures 20018-20019



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope 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 	<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: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 09 of 11



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

MAPSHEET 10 of 11:

Manchester to Meekville Junction Circuit Separation Project Existing Structure Locations 20021 to 20022 (Meekville Junction) Town of Manchester, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Rural Residence (RR)

Natural Systems

- Open water (ponds)
- Mixed hardwood forests varying in age and size
- State/Federal Jurisdictional Wetlands

Visual Character

- Residential, industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential north of structures 20021-20022
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-516, W15-517, and W15-518
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream No. S15-207

Potential Access

- Structures to the south can be accessed from either Chapel Road or Burnham Street Extension

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 380 feet from the south up to structure 20021

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 240-270 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossings

- None

See Mapsheet 09 of 11

See Mapsheet 11 of 11



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope 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 Town Line 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool 	<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: 2006-7 Aerial Imagery; CT DEP 2007; B&McD 2007-2008; ENSR Survey 2007-2008

Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 10 of 11

Connecticut Light & Power
 The Northeast Utilities System

ENSR | AECOM

Date: September 2008

MAPSHEET 11 of 11:

**Manchester to Meekville Junction Circuit Separation Project
Existing Structure Location 20022 (Meekville Junction)
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Industrial

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Rural Residence (RR)

Natural Systems

- Open water (ponds)
- Mixed hardwood forests varying in age and size
- State/Federal Jurisdictional Wetlands

Visual Character

- Residential, industrial and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential northeast of structure 20022
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland No. W15-518
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands

Potential Access

- Structures to the south can be accessed from either Chapel Road or Burnham Street Extension

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 380-470 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

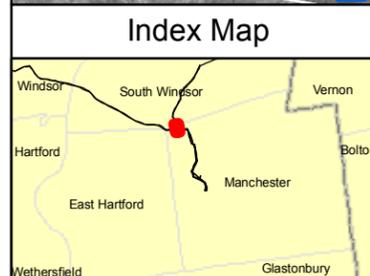
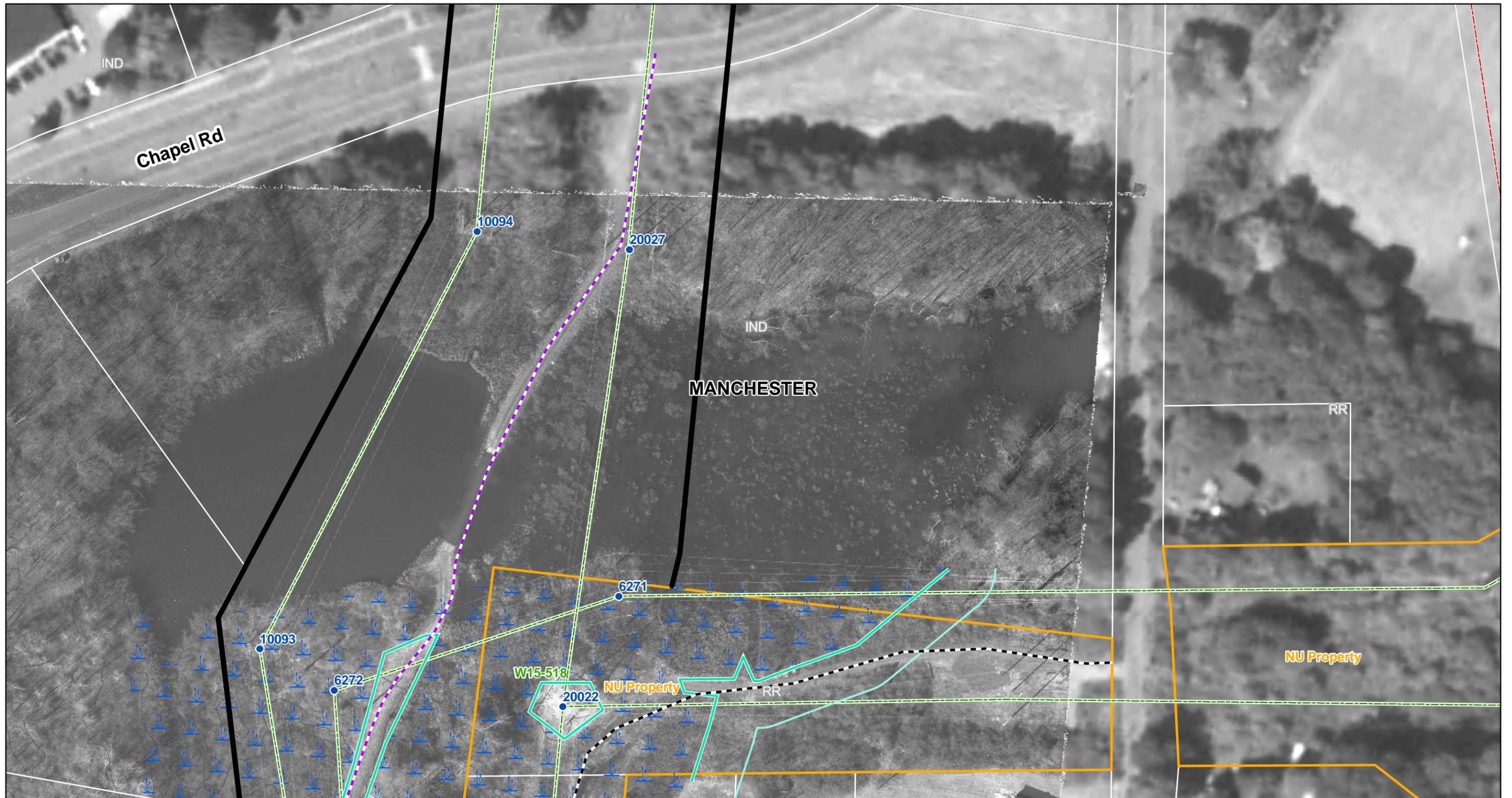
- 240-270 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road Crossings/Major Utility Crossings

- None



<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 115-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Structure Location Envelope 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 Town Line 	<ul style="list-style-type: none"> Wetland Boundary Wetland/Watercourse Buffer Watercourse Confirmed Vernal Pool 	<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: 2006-7 Aerial Imagery;
CT DEP 2007; B&McD 2007-2008;
ENSR Survey 2007-2008

**Greater Springfield
Reliability Project**
Manchester to Meekville
Junction Circuit
Separation Project

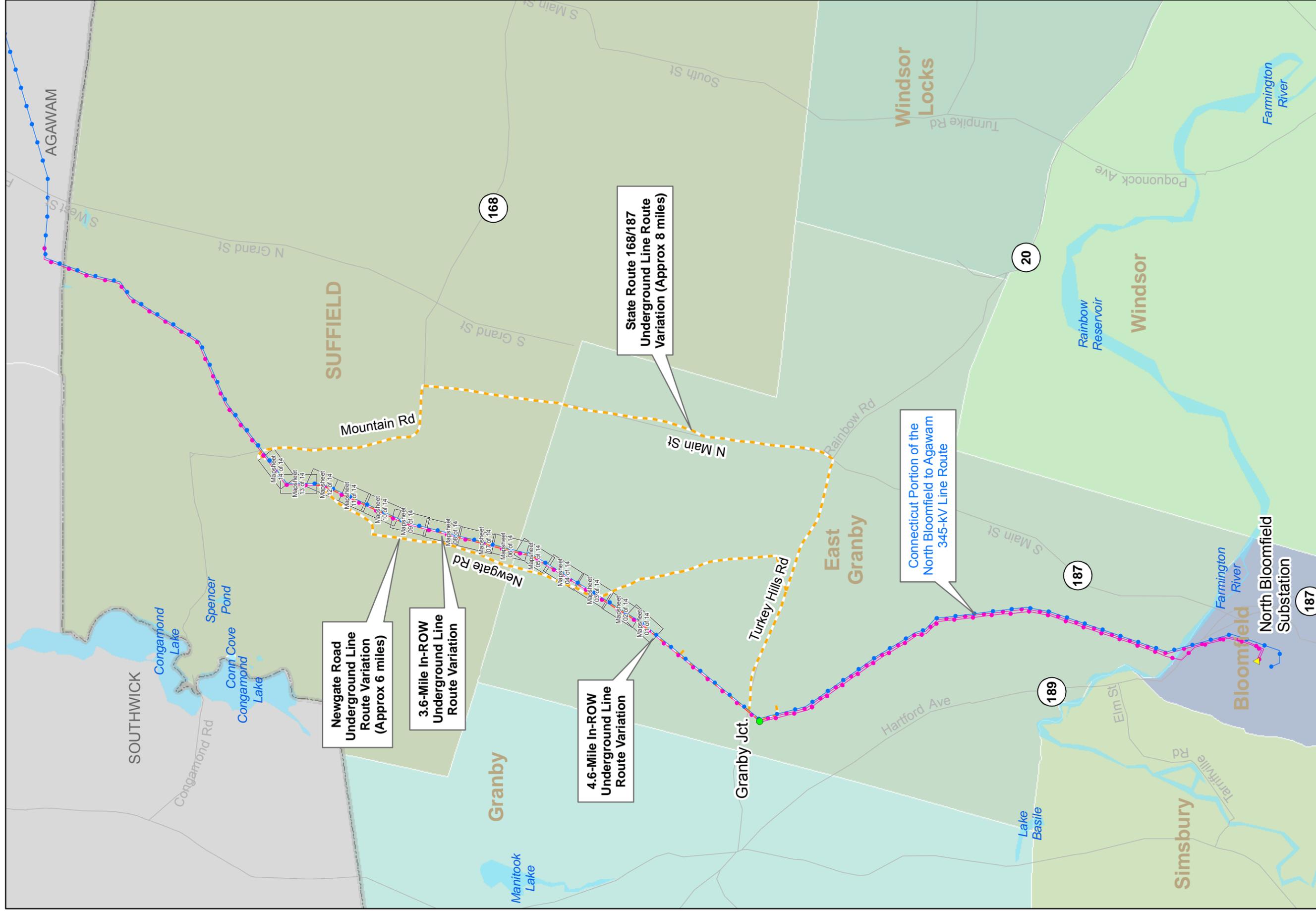
Mapsheet 11 of 11



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



Date: September 2008



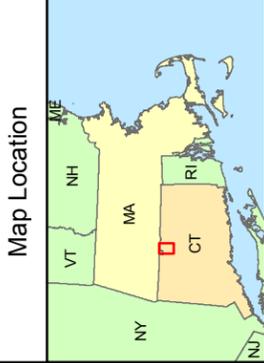
Newgate Road Underground Line Route Variation (Approx 6 miles)

3.6-Mile In-ROW Underground Line Route Variation

4.6-Mile In-ROW Underground Line Route Variation

State Route 168/187 Underground Line Route Variation (Approx 8 miles)

Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route



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

EMF Reduction Index Map Sheets

Scale: 0, 0.5, 1, 1.48, 000 Miles

North Arrow

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

Greater Springfield Reliability Project Index Map

Electric and Magnetic Field Best Management Practices

Connecticut

The Northeast Utilities System

Date: September 2008

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3190 to 3192
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Conservation

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west and north of structure 3192
- Conservation northwest of structure 3190
- Forest

Wetlands, Watercourses and Waterways

- Wetland Nos. W9-250, W9-251, and W9-252
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-92, and S9-93

Potential Access

- Structures 3190-3192 can be accessed from either State Route 20/Turkey Hills Road or Newgate Road

Right-of-Way Vegetation

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

Terrain

- Hilly to flat between structures

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

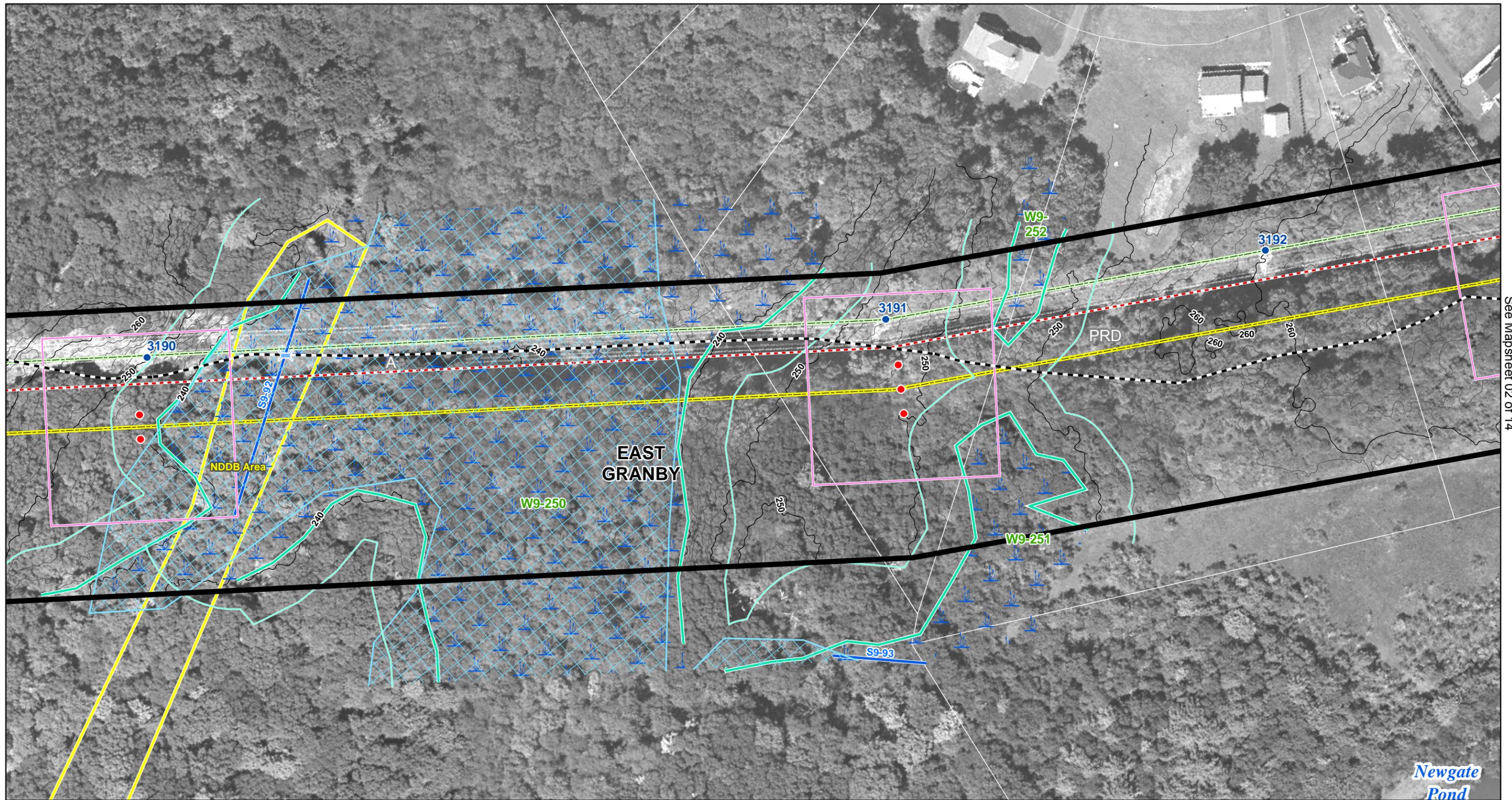
- 100 feet

Proposed Additional Cleared Right-of-Way Width

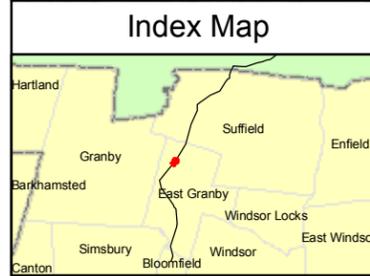
- 70-110 feet

Road Crossings/Major Utility Crossings

- None



See Mapsheet 02 of 14



<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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
 Mapsheet 01 of 14

Connecticut Light & Power
The Northeast Utilities System

Date: September 2008

Newgate Pond

MAPSHEET 2 of 14:

Electric and Magnetic Field Best Management Practices Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route Existing Structure Locations 3192 to 3194 Town of East Granby, CT

AREA DESCRIPTION

Existing Land Use

- Residential

Future Land Use

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

Natural Systems

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

Visual Character

- Forest, residential, and open pastures

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west of structures 3192-3193, and north of structure 3194
- Forest

Wetlands, Watercourses and Waterways

- Wetland Nos. W9-252, W9-253, W9-254, and W9-255
- Wetland Cover Type – Palustrine Emergent Wetlands
- Confirmed Vernal Pool

Potential Access

- Structures 3192-3193 can be accessed from either Turkey Hills Road/State Route 20 or Newgate Road
- Structure 3194 can be accessed from Newgate Road

Right-of-Way Vegetation

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

Terrain

- Hilly to flat between structures

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

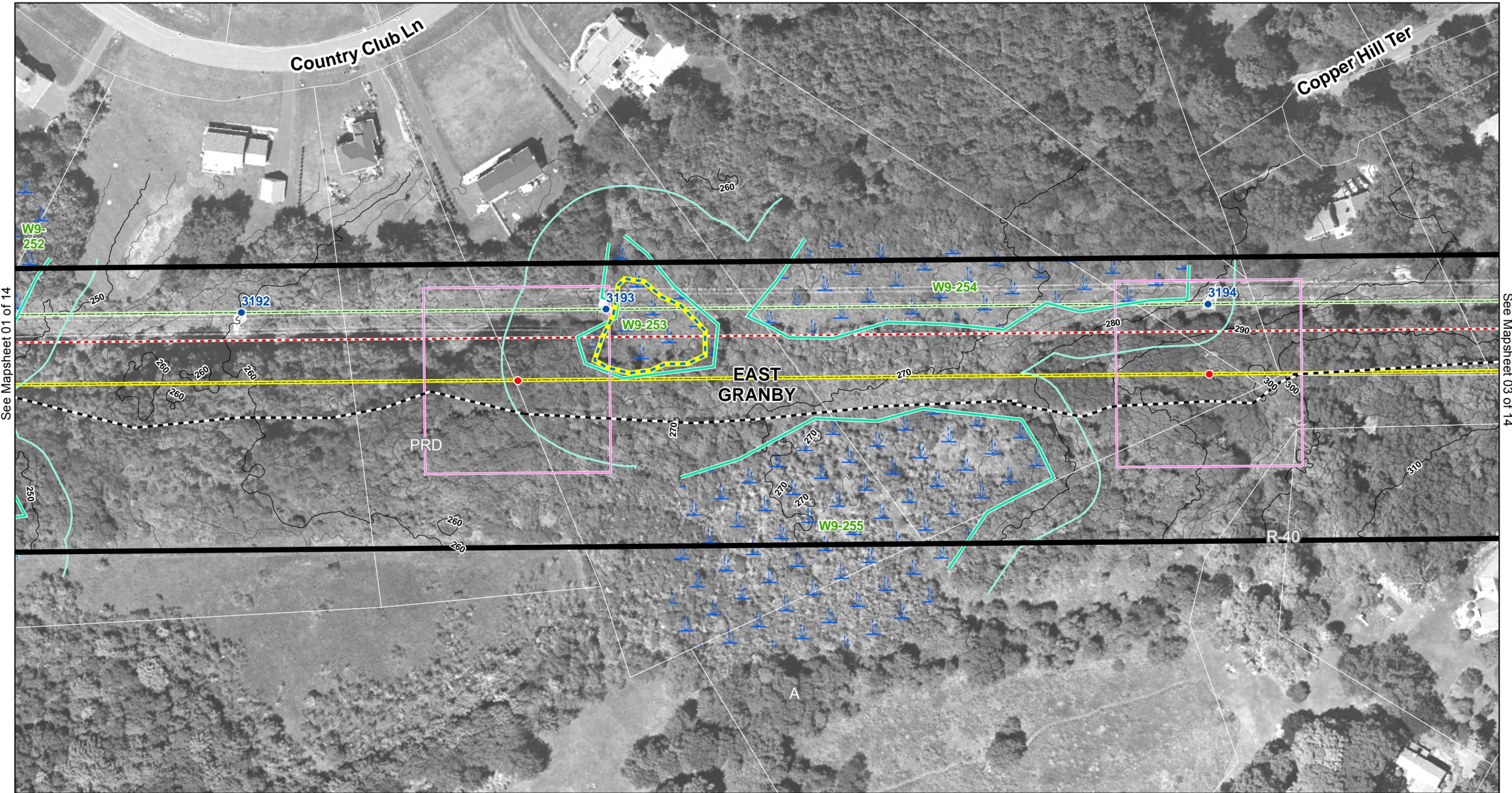
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 70-110 feet

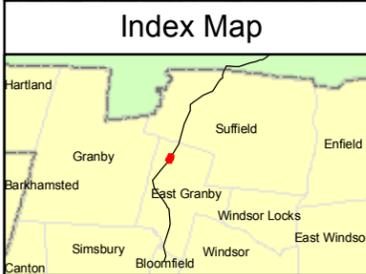
Road Crossings/Major Utility Crossings

- None



See Mapsheet 01 of 14

See Mapsheet 03 of 14



<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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Connecticut Light & Power
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MAPSHEET 3 of 14:

Electric and Magnetic Field Best Management Practices Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route Existing Structure Locations 3195 to 3196 Town of East Granby, CT

AREA DESCRIPTION

Existing Land Use

- Residential

Future Land Use

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

Natural Systems

- Mixed hardwood forests varying in age and size

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential east and west of structures 3195-3196
- Forest

Wetlands, Watercourses and Waterways

- None

Potential Access

- Structure 3195 can be accessed from Newgate Road
- Structure 3196 can be accessed from either Newgate Road or Wyncairn Road

Right-of-Way Vegetation

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

Terrain

- Hilly between structures 3195-3196

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

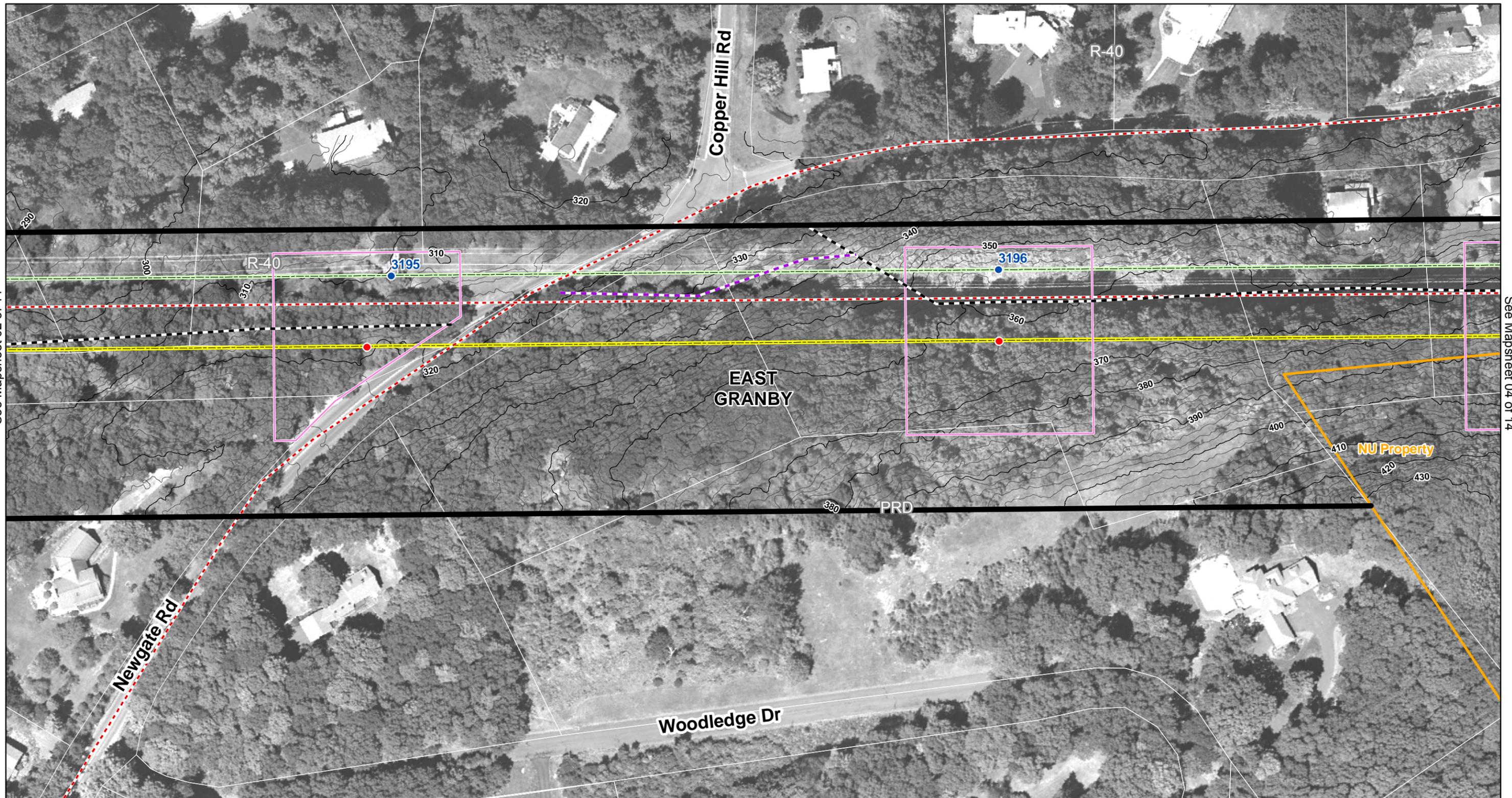
- 80-110 feet

ad Crossing/Major Utility Crossings

- Newgate Road between structures 3195-3196

See Mapsheet 02 of 14

See Mapsheet 04 of 14



<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
 Electric and Magnetic Field Best Management Practices
 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 4 of 14:

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3197 to 3199
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential

Future Land Use

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

Natural Systems

- Mixed hardwood forests varying in age and size

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west of structures 3197-3199, and east of structure 3199
- Forest

Wetlands, Watercourses and Waterways

- None

Potential Access

- Structures 3197-3199 can be accessed from either Newgate Road or Wyncairn Road

Right-of-Way Vegetation

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

Terrain

- Hilly

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

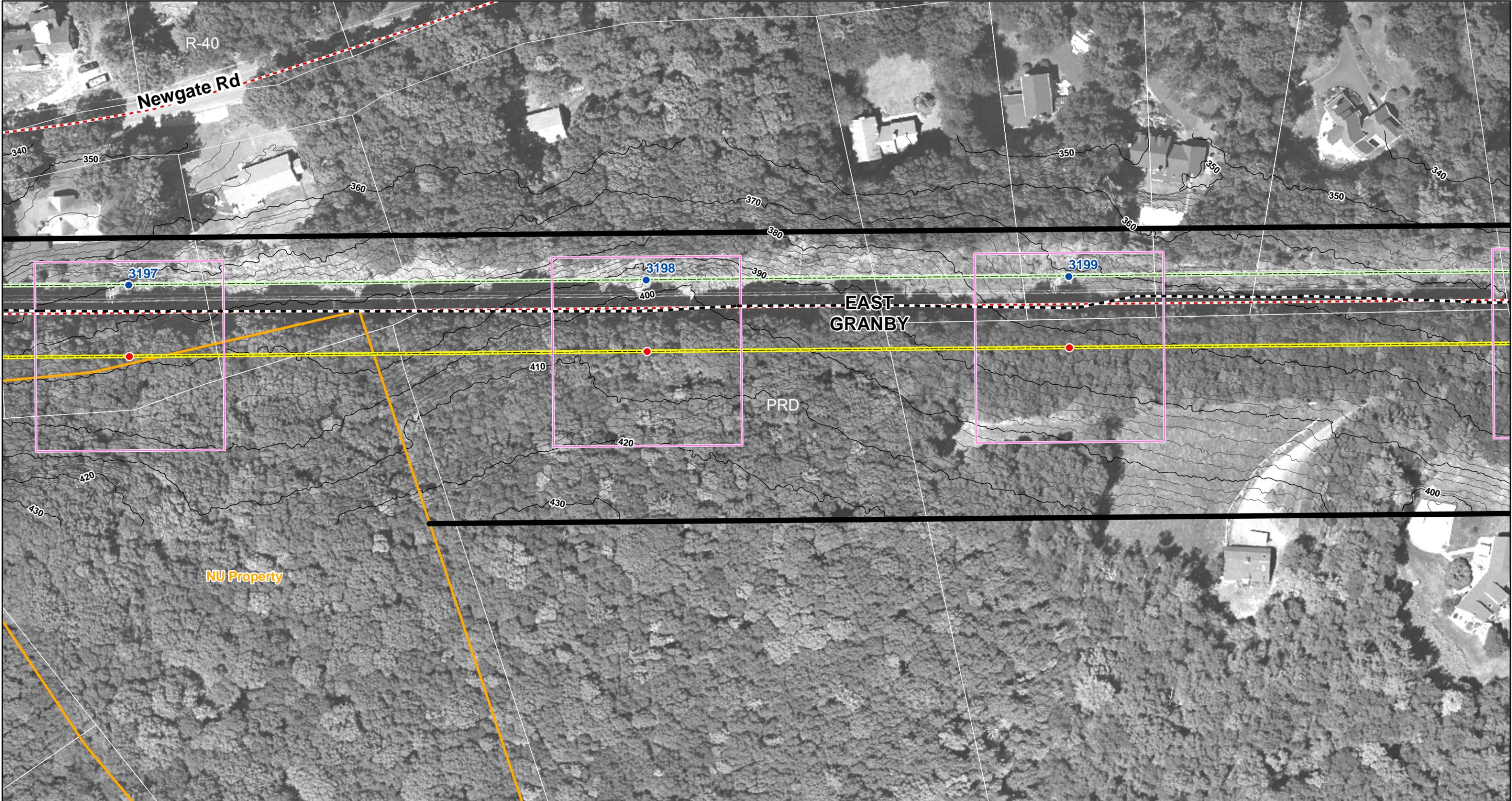
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 80-110 feet

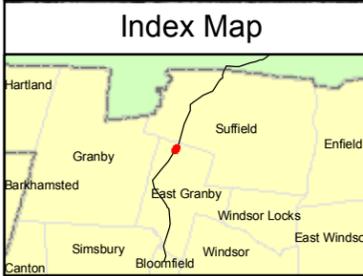
Road Crossings/Major Utility Crossings

- None

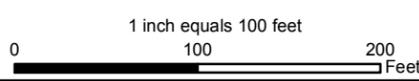


See Mapsheet 03 of 14

See Mapsheet 05 of 14



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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 |
|---|--|---|--|---|



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



Greater Springfield Reliability Project
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
 Mapsheet 04 of 14

Date: September 2008

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3200 to 3202
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential

Future Land Use

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

Natural Systems

- Mixed hardwood forests varying in age and size

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential east and west of structures 3200-3201, and west of structure 3202
- Forest

Wetlands, Watercourses and Waterways

- Wetland Nos. W9-256, and W9-257
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Forested Wetlands
- Stream Nos. S9-94, and S9-95

Potential Access

- Structure 3200 can be accessed from either Newgate Road or Wyncairn Road
- Structures 3201-3202 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Hilly from structures 3201-3202 to the north
- Steep slopes between structures 3200-3201

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

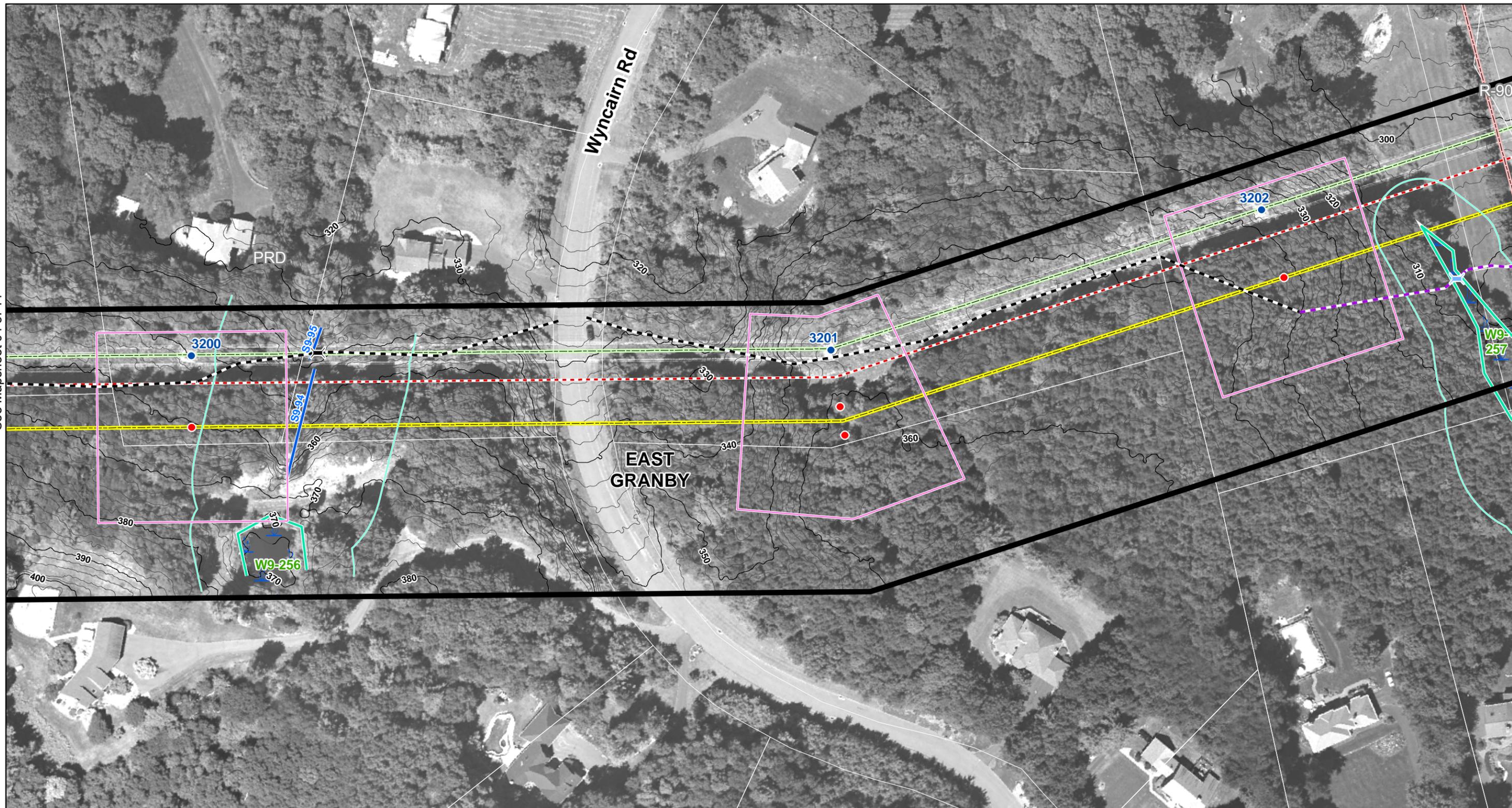
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 80-110 feet

Road Crossing/Major Utility Crossings

- Wyncairn Road between structures 3200-3201



<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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Connecticut Light & Power
The Northeast Utilities System

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**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3202 to 3203
Towns of East Granby and Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Town of East Granby
 - Residential
- Town of Suffield
 - Agricultural
 - Residential

Future Land Use

- Town of East Granby
 - Zoning (Plan of Development):
 - Residential districts (PRD)
- Town of Suffield
 - Zoning (Plan of Development):
 - Residential (R-90)

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 north and east of structure 3203
- Agricultural (pasture land) adjacent to and between structures 3202-3203
- Forest

Wetlands, Watercourses and Waterways

- Wetland No. W9-257
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands
- Stream No. S9-96

Potential Access

- Structures 3202-32032 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Hilly

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

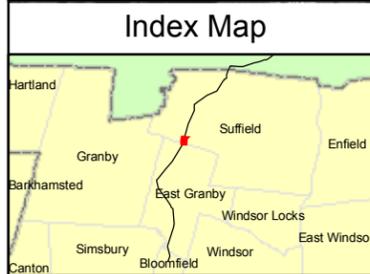
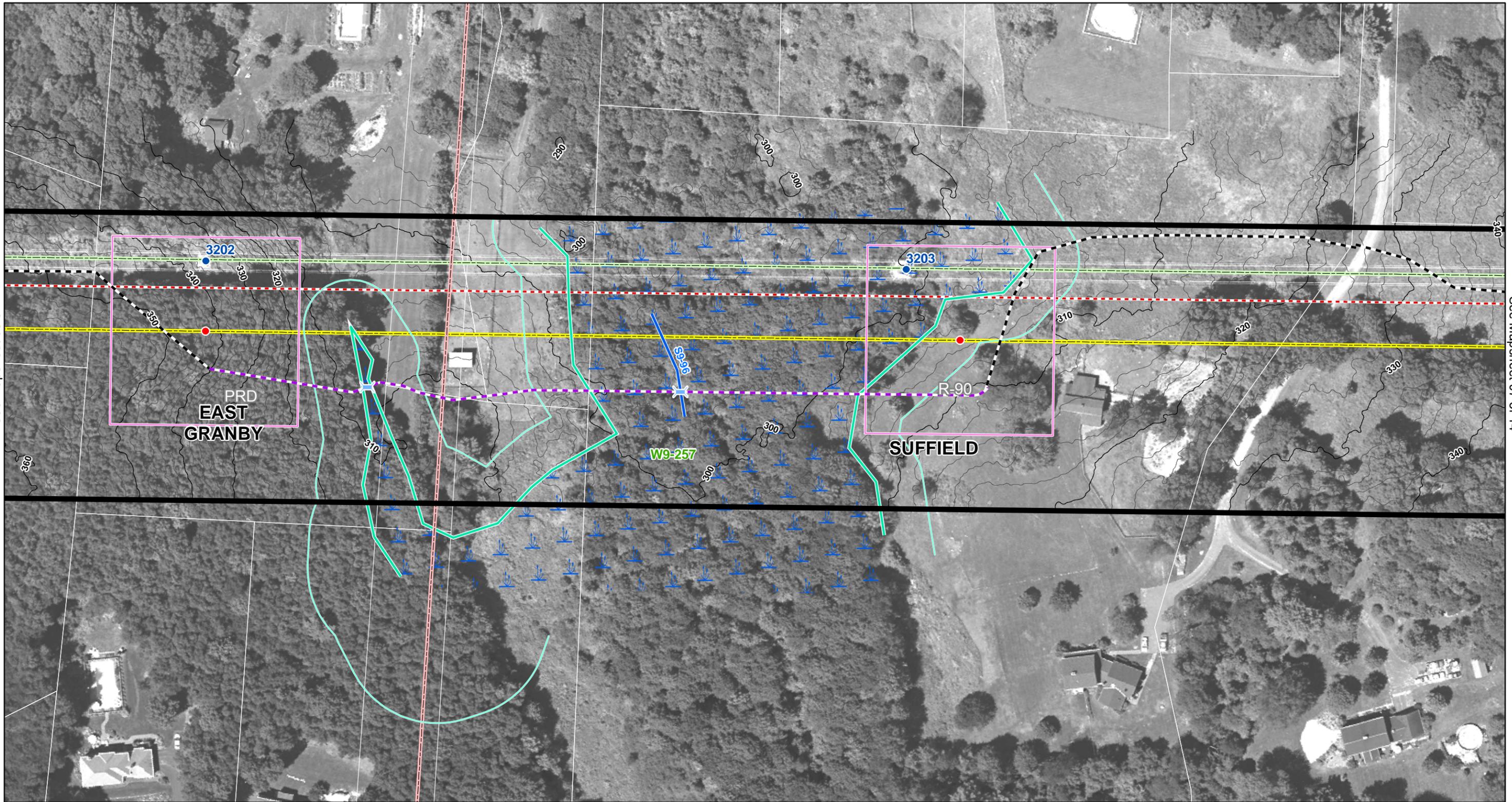
- 80-110 feet

Road Crossing/Major Utility Crossings

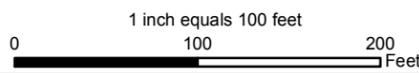
- Private driveway north of structure 3203

See Mapsheet 05 of 14

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



Greater Springfield Reliability Project
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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 Connecticut Light & Power <small>The Northeast Utilities System</small>
 ENSR AECOM
Date: September 2008

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3204 to 3206
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential south and east of structure 3204, and west of ROW
- Forest

Wetlands, Watercourses and Waterways

- Wetland No. W9-258
- Wetland Cover Type – Palustrine Forested Wetlands

Potential Access

- Structures 3204-3206 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Long, broad hilltops with hills in between structures

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

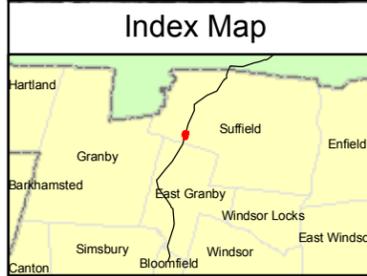
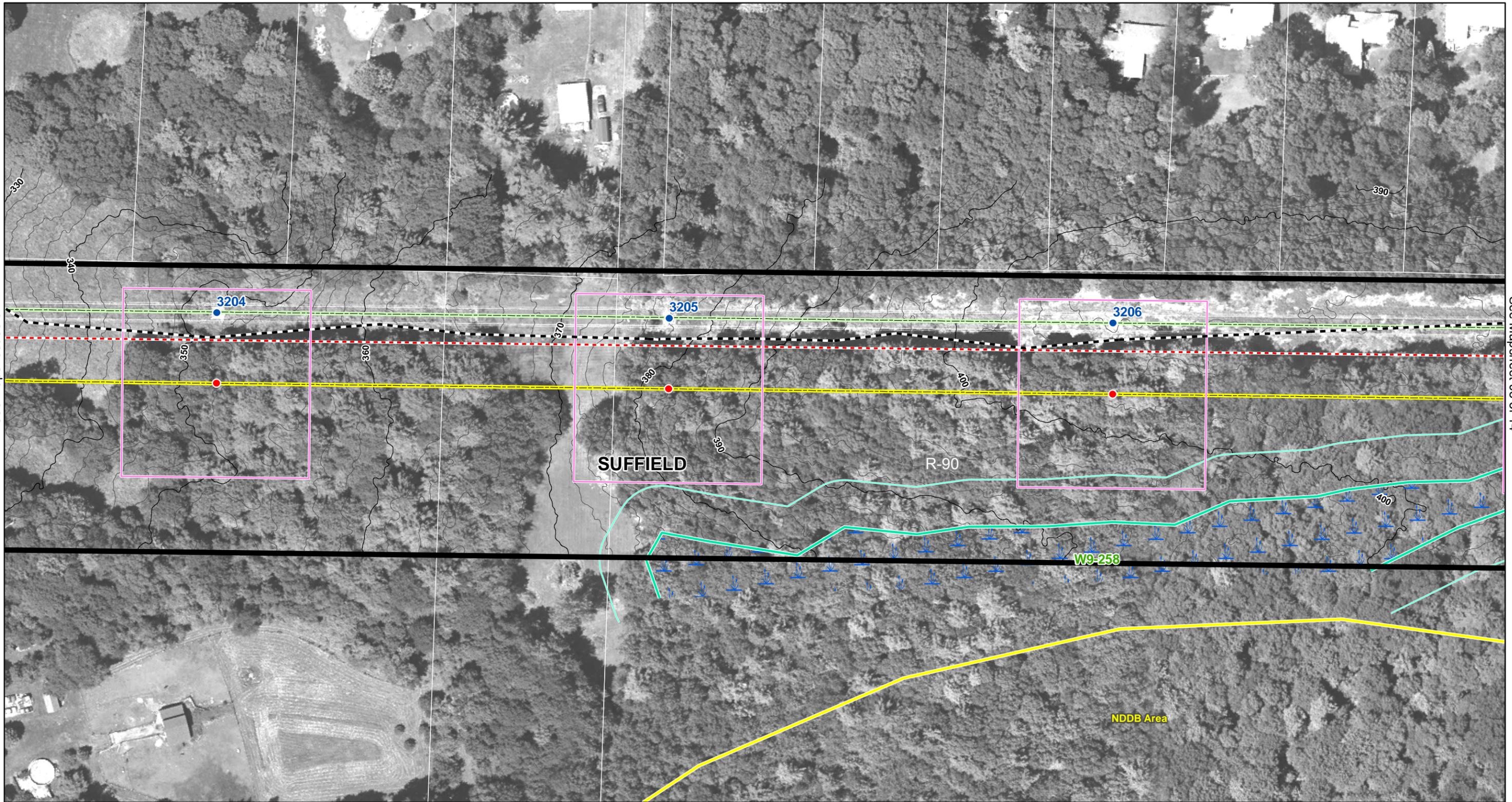
- 30-100 feet

Road Crossings/Major Utility Crossings

- None

See Mapsheet 06 of 14

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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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Connecticut Light & Power
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**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3207 to 3209
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential

Future Land Use

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

Natural Systems

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

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west of the ROW, and east of structure 3209
- Forest

Wetlands, Watercourses and Waterways

- Wetland Nos. W9-258, and W9-259
- Wetland Cover Types - Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream No. S9-97

Potential Access

- Structures 3207-3209 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Long, broad hilltops with hills in between structures

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

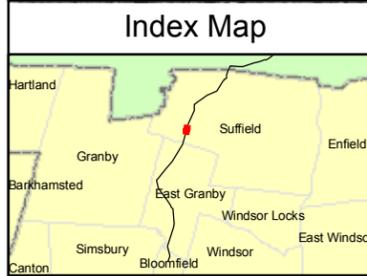
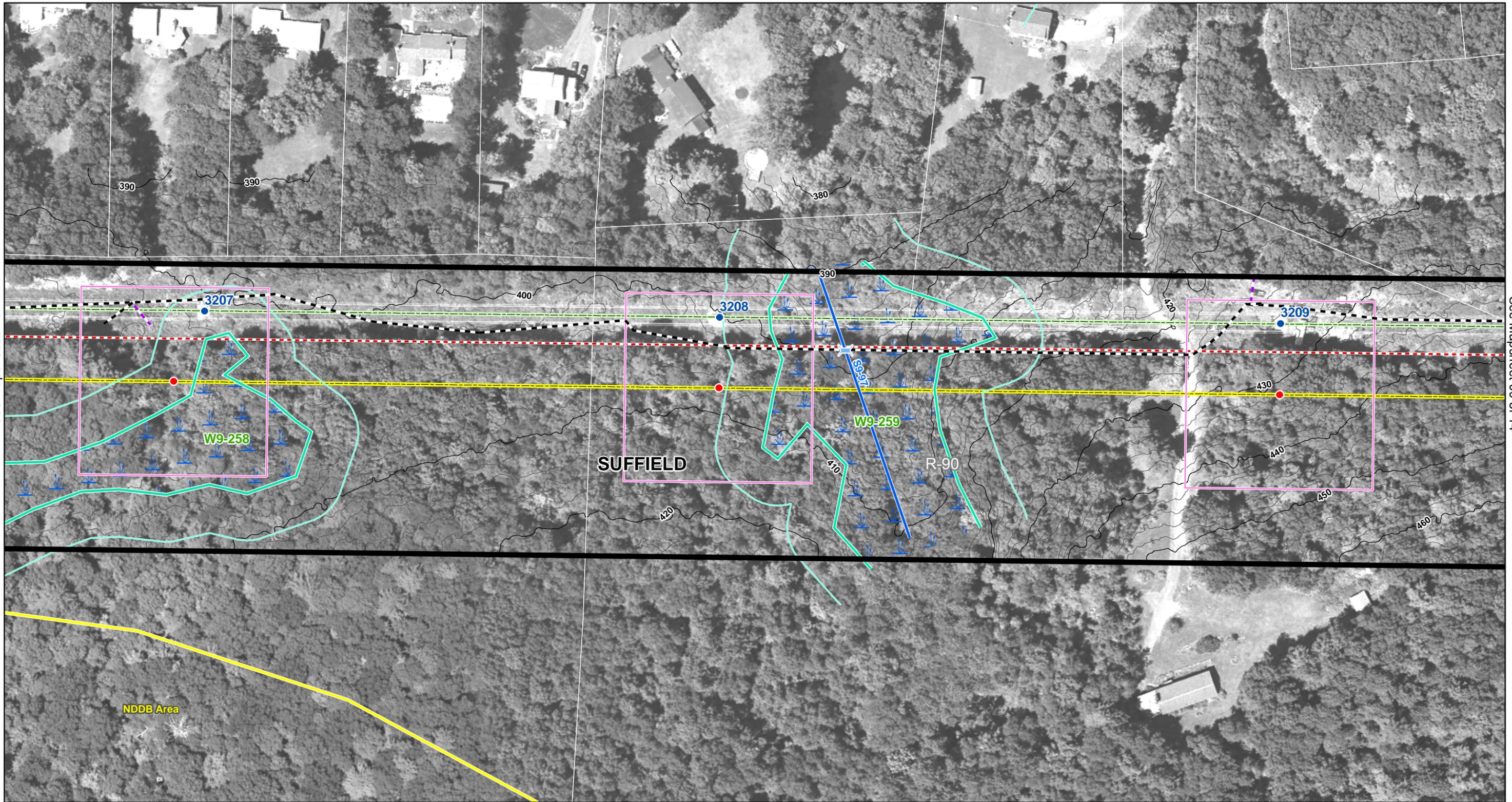
- 30-100 feet

Road Crossing/Major Utility Crossings

- Private driveway between structures 3208-3209

See Mapsheet 07 of 14

See Mapsheet 09 of 14



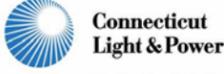
<ul style="list-style-type: none"> Existing Culvert Proposed Culvert Proposed 345-kV Line Structure Existing Line Structure to Remain Existing Line Structure To Be Removed 	<ul style="list-style-type: none"> Potential Transition Station Structure Location Envelope Natural Diversity Area Existing Transmission 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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Connecticut Light & Power
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MAPSHEET 9 of 14:

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3210 to 3212
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential

Future Land Use

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

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

- Forest

Wetlands, Watercourses and Waterways

- Wetland No. W9-260
- Wetland Cover Type - Palustrine Forested Wetlands

Potential Access

- Structures 3210-3212 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Long, broad hilltops with hills in between structures

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

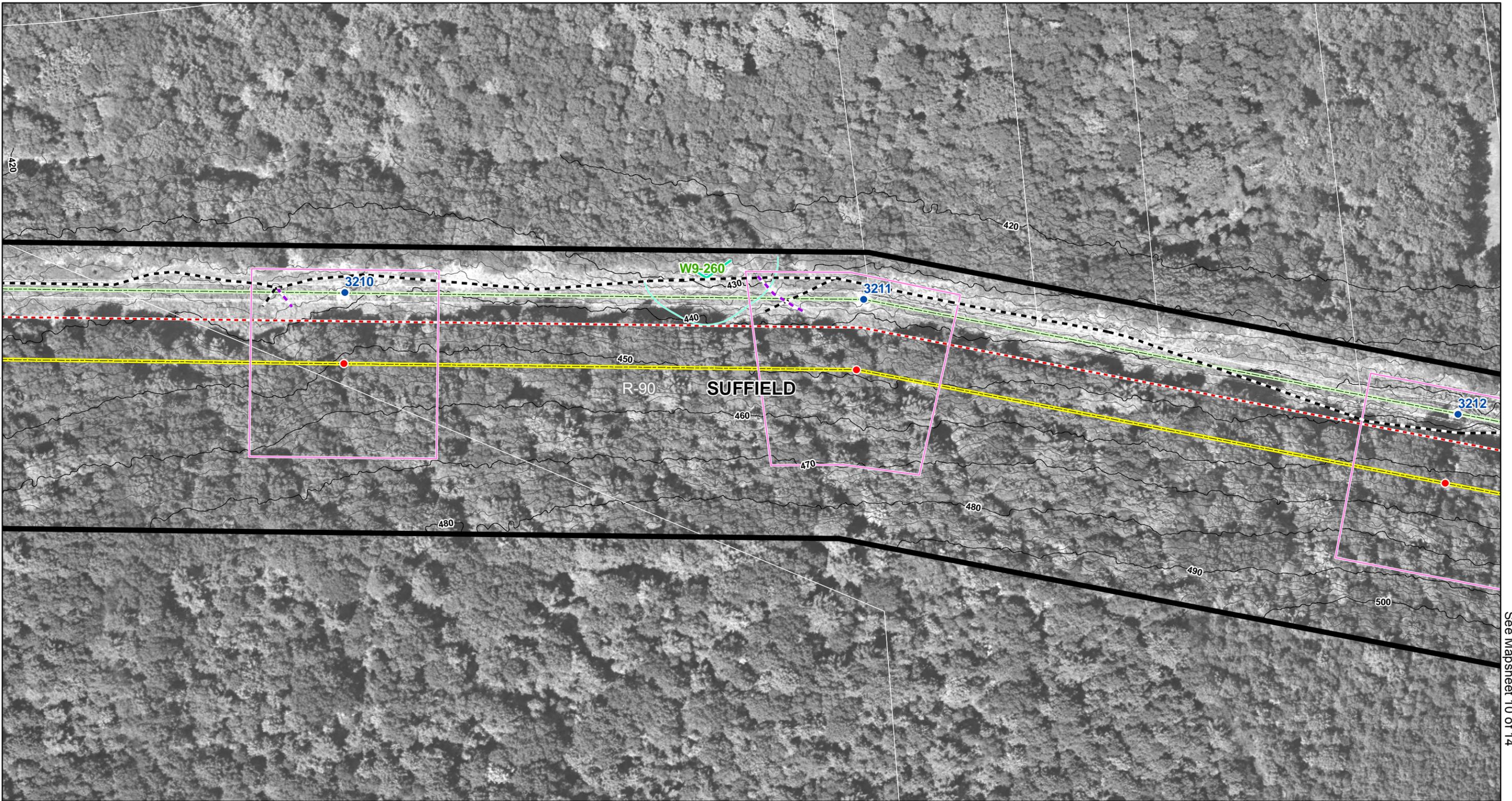
Proposed Additional Cleared Right-of-Way Width

- 30-100 feet

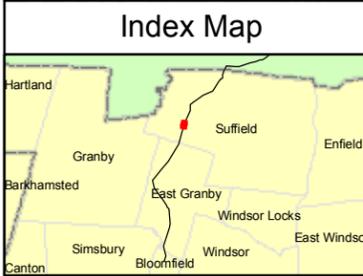
Road Crossings/Major Utility Crossings

- None

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See Mapsheet 10 of 14



<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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Connecticut Light & Power
The Northeast Utilities System

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MAPSHEET 10 of 14:

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3212 to 3214
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential

Future Land Use

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

Natural Systems

- Mixed hardwood forests varying in age and size

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west of ROW
- Forest

Wetlands, Watercourses and Waterways

- Stream No. S9-98

Potential Access

- Structures 3212-3214 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Long, broad hilltops with hills in between structures

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

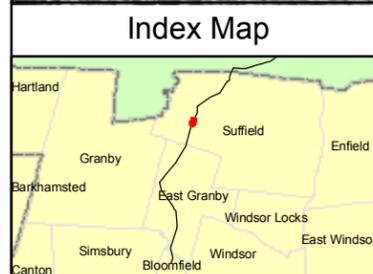
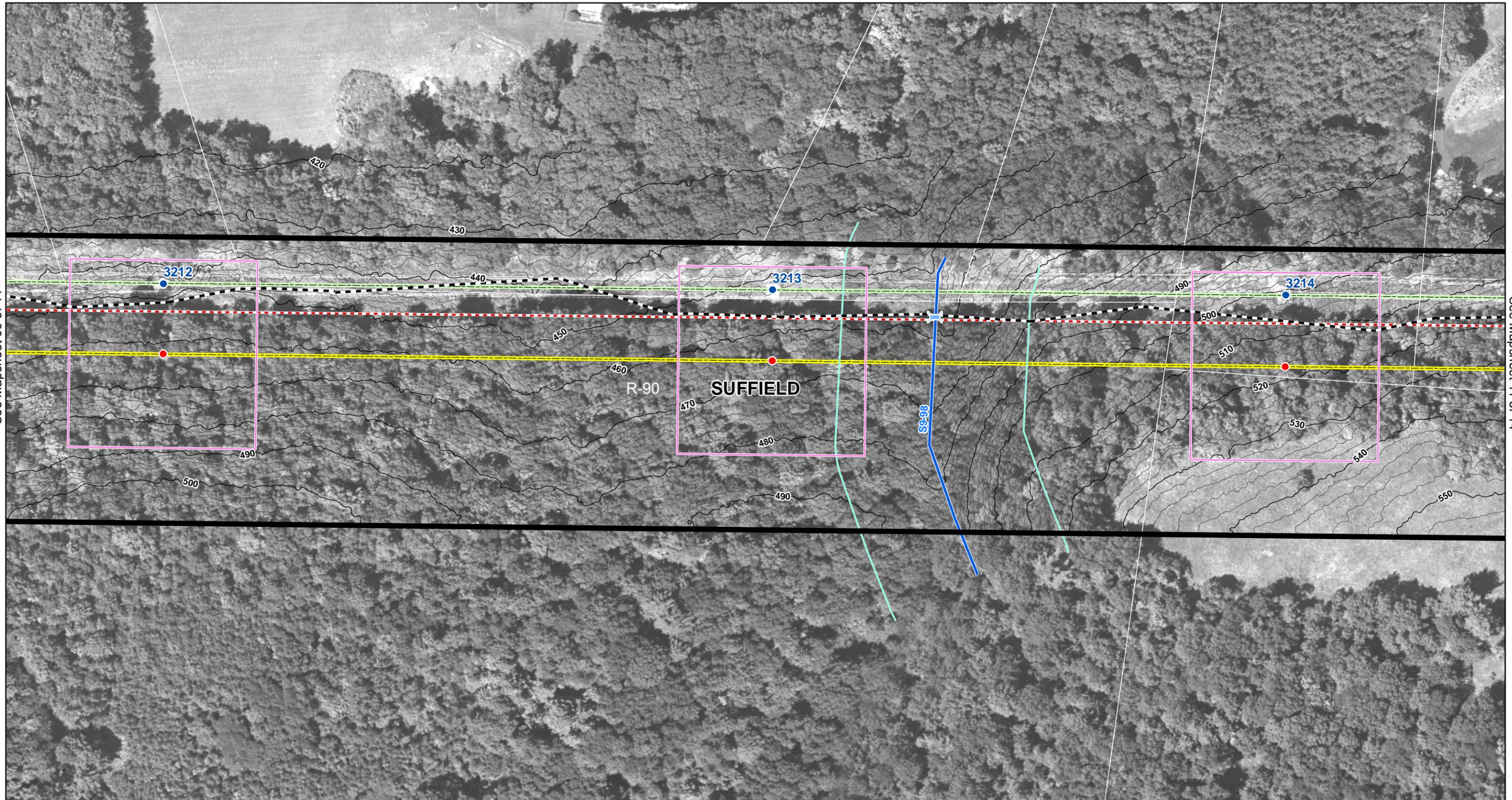
- 30-100 feet

Road Crossings/Major Utility Crossings

- None

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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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3215 to 3216
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Conservation

Future Land Use

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

Natural Systems

- Mixed hardwood forests varying in age and size

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west of the ROW, and east of structure 3216
- Forest

Wetlands, Watercourses and Waterways

- None

Potential Access

- Structure 3215-3216 can be accessed from Phelps Road

Right-of-Way Vegetation

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

Terrain

- Long, broad hilltops with hills in between structures

Existing Right-of-Way Width

- 305 feet

Existing Cleared/Maintained Right-of-Way Width

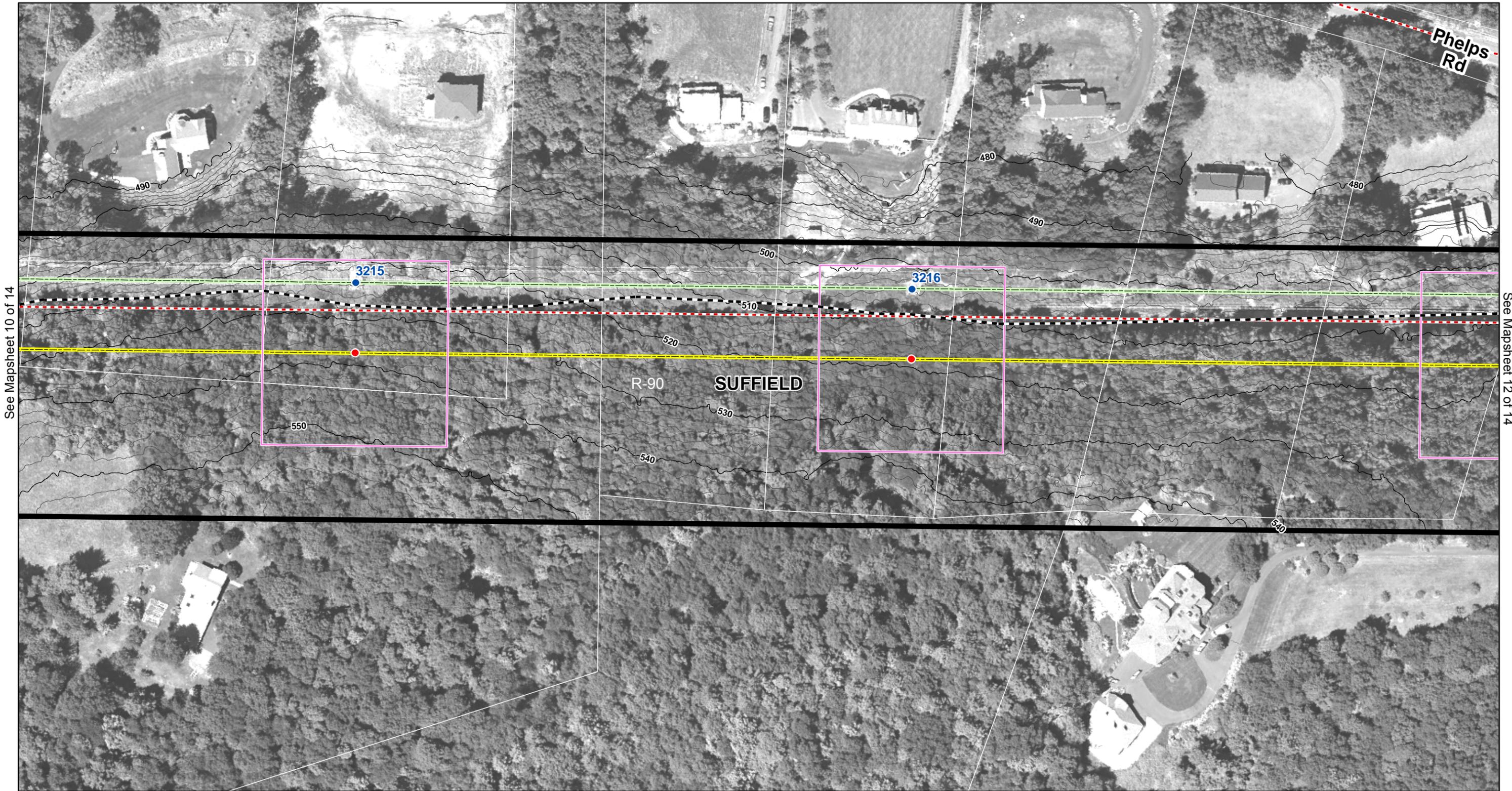
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 30-100 feet

Road Crossings/Major Utility Crossings

- Private driveway between structures 3215-3216



See Mapsheet 10 of 14

See Mapsheet 12 of 14



<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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Connecticut Light & Power
The Northeast Utilities System



ENSR | AECOM

Date: September 2008

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3217 to 3219
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Conservation
- Recreational

Future Land Use

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

Natural Systems

- Mixed hardwood forests varying in age and size

Visual Character

- Residential, agricultural, and forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential west and south of structure 3217, and northeast of structure 3218
- Forest

Wetlands, Watercourses and Waterways

- None

Potential Access

- Structures 3217-3219 can be accessed from Phelps Road

Right-of-Way Vegetation

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

Terrain

- Flat to hilly

Existing Right-of-Way Width

- 305 feet between structures 3217-3218
- 100 feet between structures 3218-3219

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

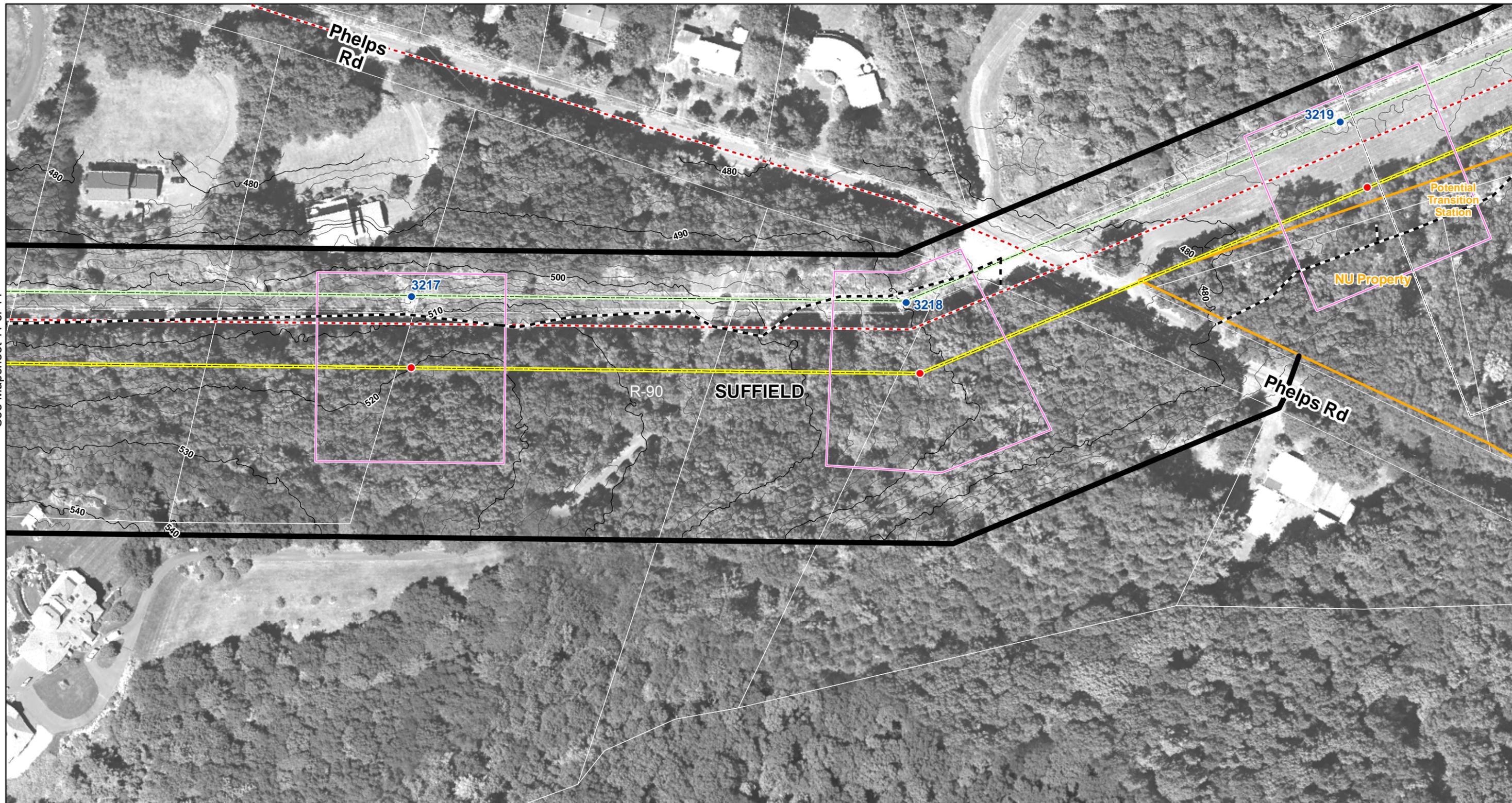
- 85-100 feet

Road Crossings/Major Utility Crossings

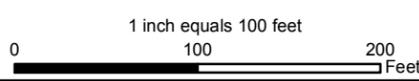
- Phelps Road between structures 3218-3219
- Private driveway between structures 3217-3218

See Mapsheet 11 of 14

See Mapsheet 13 of 14



<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
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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 Connecticut Light & Power <small>The Northeast Utilities System</small>
 ENSR AECOM
Date: September 2008

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3219 to 3221
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Conservation
- Recreational

Future Land Use

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

Natural Systems

- Mixed hardwood forests varying in age and size

Visual Character

- Residential, agricultural, and forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Residential east and west of structure 3219
- Forest
- Recreational adjacent to and between structures 3219-3221

Wetlands, Watercourses and Waterways

- Stream No. S9-99

Potential Access

- Structures 3219-3221 can be accessed from Phelps Road

Right-of-Way Vegetation

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

Terrain

- Flat to hilly between structures 3219-3221

Existing Right-of-Way Width

- 100 feet

Proposed Expansion of Right-of-Way Width

- 100 feet of additional right-of-way for approximately 1,000 linear feet beginning near structure 3221

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

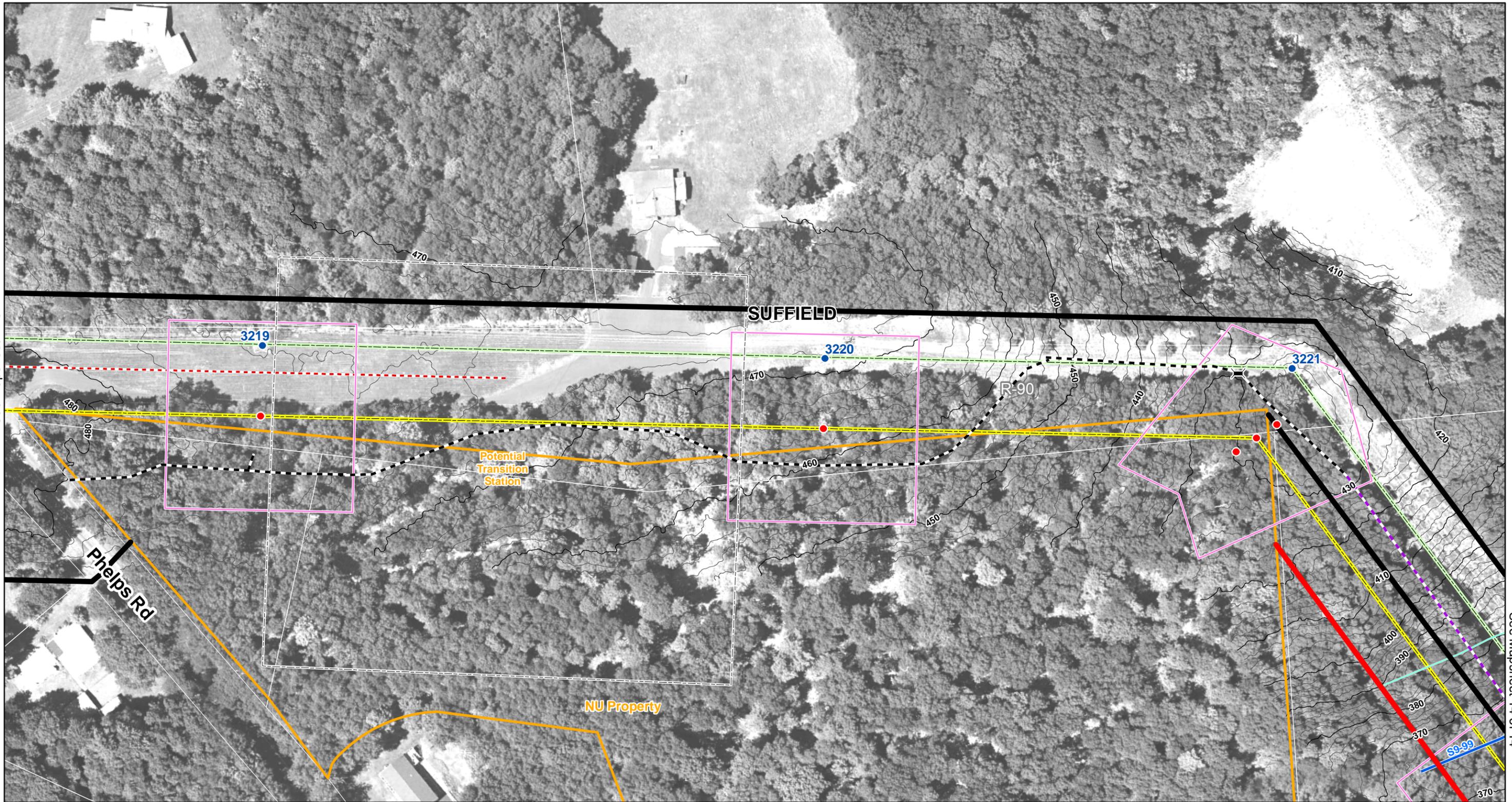
- 85-100 feet

Road Crossing/Major Utility Crossings

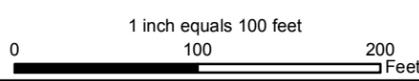
- Private driveway crossing north and south of structure 3219

See Mapsheet 12 of 14

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



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 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
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Date: September 2008

**Electric and Magnetic Field Best Management Practices
Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3221 to 3223
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Municipal
- Recreational

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, agricultural, and forest

RIGHT-OF-WAY DESCRIPTION

Adjacent Land Use

- Forest
- Municipal north of structure 3223
- Recreational west of structure 3221

Wetlands, Watercourses and Waterways

- Wetland No. W9-261
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub – Shrub Wetlands
- Stream No. S9-99

Potential Access

- Structure 3221 can be assessed from Phelps Road
- Structures 3222-3223 can be accessed from State Route 168/Mountain Road

Right-of-Way Vegetation

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

Terrain

- Flat to hilly

Existing Right-of-Way Width

- 100 feet between structures 3221-3222
- 305 feet northeast of structure 3223

Proposed Expansion of Right-of-Way Width

- 100 feet of additional right-of-way for approximately 1,000 linear feet beginning near structure 3221 and ending near structure 3223

Existing Cleared/Maintained Right-of-Way Width

- 75-100 feet

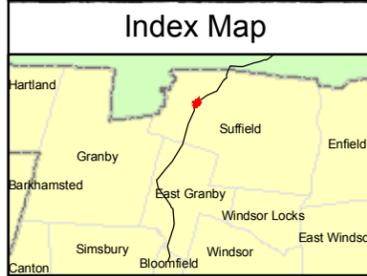
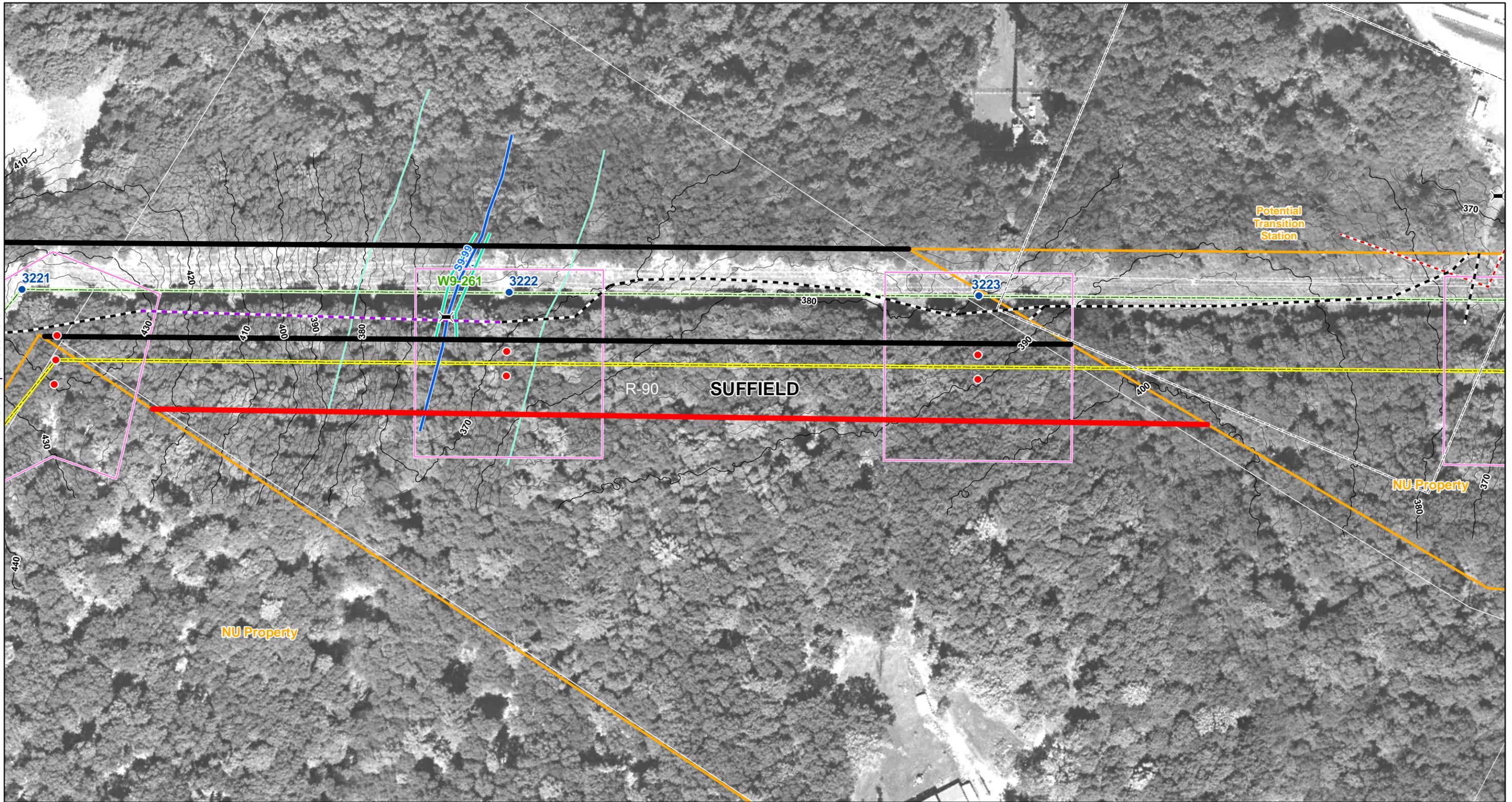
Proposed Additional Cleared Right-of-Way Width

- 85-100 feet

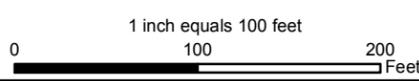
Road Crossings/Major Utility Crossings

- None

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



Greater Springfield Reliability Project
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