

THE CONNECTICUT VALLEY ELECTRIC TRANSMISSION RELIABILITY PROJECTS

APPLICATION TO THE

CONNECTICUT SITING COUNCIL

FOR CERTIFICATES OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR

THE CONNECTICUT PORTION

OF THE GREATER SPRINGFIELD RELIABILITY PROJECT

AND FOR

THE MANCHESTER TO MEEKVILLE JUNCTION CIRCUIT SEPARATION PROJECT

BY

THE CONNECTICUT LIGHT & POWER COMPANY

VOLUME 9 of 11

SEPTEMBER 2008

VOLUME 9: ROUTE MAPS

EX. 1: Overview of Route on USGS Map

EX. 2: Aerial Photographs – 400 Scale

EX. 1: Overview of Route on USGS Map

United States Geological Survey Topographic Map Symbols

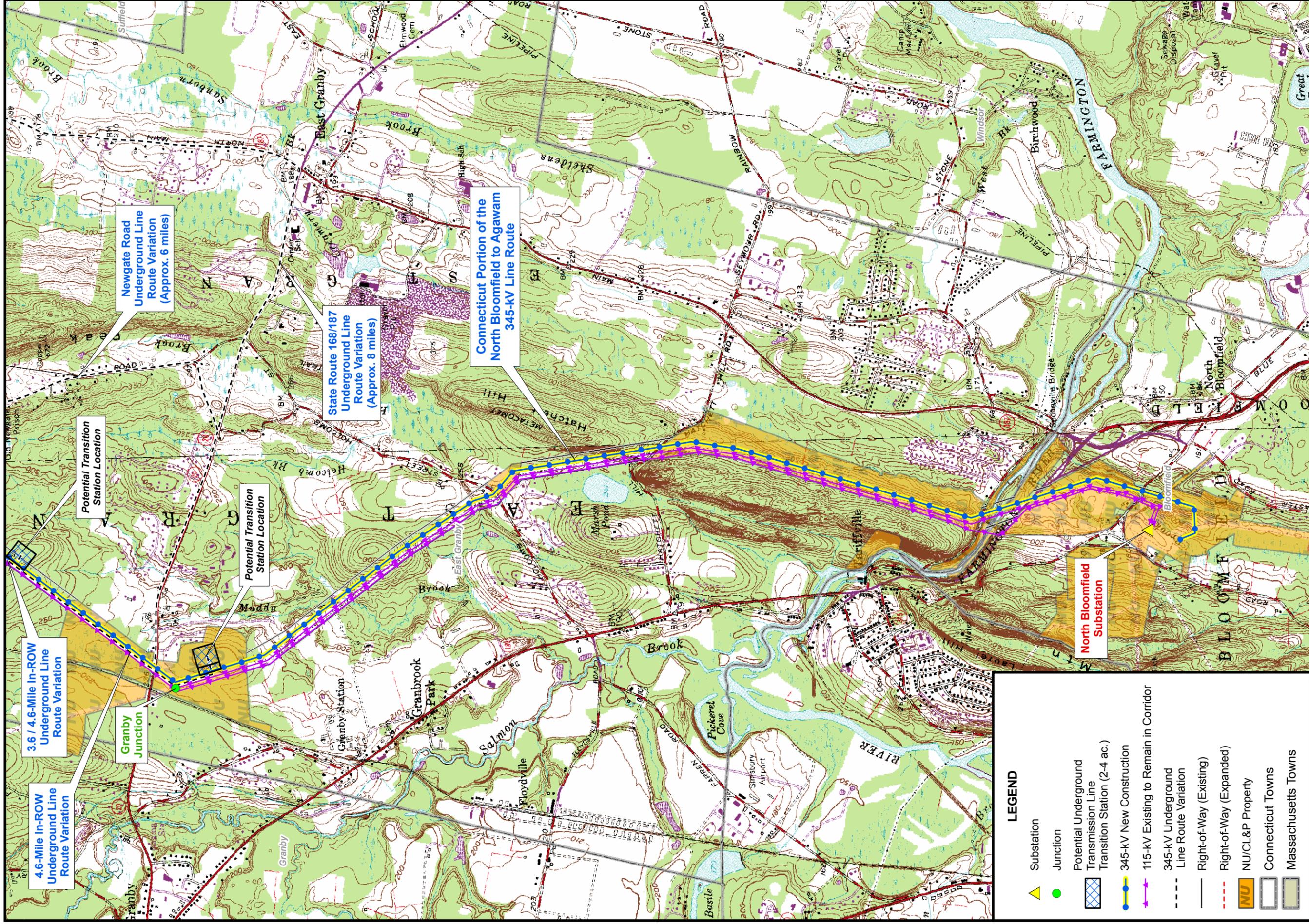
BATHYMETRIC FEATURES Area exposed at mean low tide; sounding datum line*** Channel*** Sunken rock***	COASTAL FEATURES Foreshore flat Coral or rock reef Rock, bare or awash; dangerous to navigation Group of rocks, bare or awash Exposed wreck Depth curve; sounding Breakwater, pier, jetty, or wharf Seawall Oil or gas well; platform	CONTROL DATA AND MONUMENTS – continued Vertical control Third-order or better elevation, with tablet Third-order or better elevation, recoverable mark, no tablet Bench mark coincident with found section corner Spot elevation GLACIERS AND PERMANENT SNOWFIELDS Contours and limits Formlines Glacial advance Glacial retreat LAND SURVEYS Public land survey system Range or Township line Location approximate Location doubtful Protracted Protracted (AK 1:63,360-scale) Range or Township labels Section line Location approximate Location doubtful Protracted Protracted (AK 1:63,360-scale) Section numbers Found section corner Found closing corner Witness corner Meander corner Weak corner* Other land surveys Range or Township line Section line Land grant, mining claim, donation land claim, or tract Land grant, homestead, mineral, or other special survey monument Fence or field lines MARINE SHORELINES Shoreline Apparent (edge of vegetation)*** Indefinite or unsurveyed MINES AND CAVES Quarry or open pit mine Gravel, sand, clay, or borrow pit Mine tunnel or cave entrance Mine shaft Prospect Tailings Mine dump Former disposal site or mine	PROJECTION AND GRIDS Neatline Graticule tick Graticule intersection Datum shift tick State plane coordinate systems Primary zone tick Secondary zone tick Tertiary zone tick Quaternary zone tick Quintary zone tick Universal transverse mercator grid UTM grid (full grid) UTM grid ticks* RAILROADS AND RELATED FEATURES Standard gauge railroad, single track Standard gauge railroad, multiple track Narrow gauge railroad, single track Narrow gauge railroad, multiple track Railroad siding Railroad in highway Railroad in road Railroad in light duty road* Railroad underpass; overpass Railroad bridge; drawbridge Railroad tunnel Railroad yard Railroad turntable; roundhouse RIVERS, LAKES, AND CANALS Perennial stream Perennial river Intermittent stream Intermittent river Disappearing stream Falls, small Falls, large Rapids, small Rapids, large Masonry dam Dam with lock Dam carrying road	RIVERS, LAKES, AND CANALS – continued Perennial lake/pond Intermittent lake/pond Dry lake/pond Narrow wash Wide wash Canal, flume, or aqueduct with lock Elevated aqueduct, flume, or conduit Aqueduct tunnel Water well, geyser, fumarole, or mud pot Spring or seep ROADS AND RELATED FEATURES Please note: Roads on Provisional-edition maps are not classified as primary, secondary, or light duty. These roads are all classified as improved roads and are symbolized the same as light duty roads. Primary highway Secondary highway Light duty road Light duty road, paved* Light duty road, gravel* Light duty road, dirt* Light duty road, unspecified* Unimproved road Unimproved road* 4WD road 4WD road* Trail Highway or road with median strip Highway or road under construction Highway or road underpass; overpass Highway or road bridge; drawbridge Highway or road tunnel Road block, berm, or barrier* Gate on road* Trailhead*	SUBMERGED AREAS AND BOGS Marsh or swamp Submerged marsh or swamp Wooded marsh or swamp Submerged wooded marsh or swamp Land subject to inundation SURFACE FEATURES Levee Sand or mud Disturbed surface Gravel beach or glacial moraine Tailings pond TRANSMISSION LINES AND PIPELINES Power transmission line; pole; tower Telephone line Aboveground pipeline Underground pipeline VEGETATION Woodland Shrubland Orchard Vineyard Mangrove
BOUNDARIES National State or territorial County or equivalent Civil township or equivalent Incorporated city or equivalent Federally administered park, reservation, or monument (external) Federally administered park, reservation, or monument (internal) State forest, park, reservation, or monument and large county park Forest Service administrative area* Forest Service ranger district* National Forest System land status, Forest Service lands* National Forest System land status, non-Forest Service lands* Small park (county or city)	CONTOURS Topographic Index Approximate or indefinite Intermediate Approximate or indefinite Supplementary Depression Cut Fill Continental divide Bathymetric Index*** Intermediate*** Index primary*** Supplementary***	CONTROL DATA AND MONUMENTS Principal point** U.S. mineral or location monument River mileage marker Boundary monument Third-order or better elevation, with tablet Third-order or better elevation, recoverable mark, no tablet With number and elevation Horizontal control Third-order or better, permanent mark With third-order or better elevation With checked spot elevation Coincident with found section corner Unmonumented**	RAILROADS AND RELATED FEATURES Standard gauge railroad, single track Standard gauge railroad, multiple track Narrow gauge railroad, single track Narrow gauge railroad, multiple track Railroad siding Railroad in highway Railroad in road Railroad in light duty road* Railroad underpass; overpass Railroad bridge; drawbridge Railroad tunnel Railroad yard Railroad turntable; roundhouse RIVERS, LAKES, AND CANALS Perennial stream Perennial river Intermittent stream Intermittent river Disappearing stream Falls, small Falls, large Rapids, small Rapids, large Masonry dam Dam with lock Dam carrying road	RIVERS, LAKES, AND CANALS – continued Perennial lake/pond Intermittent lake/pond Dry lake/pond Narrow wash Wide wash Canal, flume, or aqueduct with lock Elevated aqueduct, flume, or conduit Aqueduct tunnel Water well, geyser, fumarole, or mud pot Spring or seep ROADS AND RELATED FEATURES Please note: Roads on Provisional-edition maps are not classified as primary, secondary, or light duty. These roads are all classified as improved roads and are symbolized the same as light duty roads. Primary highway Secondary highway Light duty road Light duty road, paved* Light duty road, gravel* Light duty road, dirt* Light duty road, unspecified* Unimproved road Unimproved road* 4WD road 4WD road* Trail Highway or road with median strip Highway or road under construction Highway or road underpass; overpass Highway or road bridge; drawbridge Highway or road tunnel Road block, berm, or barrier* Gate on road* Trailhead*	SUBMERGED AREAS AND BOGS Marsh or swamp Submerged marsh or swamp Wooded marsh or swamp Submerged wooded marsh or swamp Land subject to inundation SURFACE FEATURES Levee Sand or mud Disturbed surface Gravel beach or glacial moraine Tailings pond TRANSMISSION LINES AND PIPELINES Power transmission line; pole; tower Telephone line Aboveground pipeline Underground pipeline VEGETATION Woodland Shrubland Orchard Vineyard Mangrove
BUILDINGS AND RELATED FEATURES Building School; house of worship Athletic field Built-up area Forest headquarters* Ranger district office* Guard station or work center* Racetrack or raceway Airport, paved landing strip, runway, taxiway, or apron Unpaved landing strip Well (other than water), windmill or wind generator Tanks Covered reservoir Gaging station Located or landmark object (feature as labeled) Boat ramp or boat access* Roadside park or rest area Picnic area Campground Winter recreation area* Cemetery	CONTOURS Topographic Index Approximate or indefinite Intermediate Approximate or indefinite Supplementary Depression Cut Fill Continental divide Bathymetric Index*** Intermediate*** Index primary*** Supplementary***	CONTROL DATA AND MONUMENTS Principal point** U.S. mineral or location monument River mileage marker Boundary monument Third-order or better elevation, with tablet Third-order or better elevation, recoverable mark, no tablet With number and elevation Horizontal control Third-order or better, permanent mark With third-order or better elevation With checked spot elevation Coincident with found section corner Unmonumented**	RAILROADS AND RELATED FEATURES Standard gauge railroad, single track Standard gauge railroad, multiple track Narrow gauge railroad, single track Narrow gauge railroad, multiple track Railroad siding Railroad in highway Railroad in road Railroad in light duty road* Railroad underpass; overpass Railroad bridge; drawbridge Railroad tunnel Railroad yard Railroad turntable; roundhouse RIVERS, LAKES, AND CANALS Perennial stream Perennial river Intermittent stream Intermittent river Disappearing stream Falls, small Falls, large Rapids, small Rapids, large Masonry dam Dam with lock Dam carrying road	RIVERS, LAKES, AND CANALS – continued Perennial lake/pond Intermittent lake/pond Dry lake/pond Narrow wash Wide wash Canal, flume, or aqueduct with lock Elevated aqueduct, flume, or conduit Aqueduct tunnel Water well, geyser, fumarole, or mud pot Spring or seep ROADS AND RELATED FEATURES Please note: Roads on Provisional-edition maps are not classified as primary, secondary, or light duty. These roads are all classified as improved roads and are symbolized the same as light duty roads. Primary highway Secondary highway Light duty road Light duty road, paved* Light duty road, gravel* Light duty road, dirt* Light duty road, unspecified* Unimproved road Unimproved road* 4WD road 4WD road* Trail Highway or road with median strip Highway or road under construction Highway or road underpass; overpass Highway or road bridge; drawbridge Highway or road tunnel Road block, berm, or barrier* Gate on road* Trailhead*	SUBMERGED AREAS AND BOGS Marsh or swamp Submerged marsh or swamp Wooded marsh or swamp Submerged wooded marsh or swamp Land subject to inundation SURFACE FEATURES Levee Sand or mud Disturbed surface Gravel beach or glacial moraine Tailings pond TRANSMISSION LINES AND PIPELINES Power transmission line; pole; tower Telephone line Aboveground pipeline Underground pipeline VEGETATION Woodland Shrubland Orchard Vineyard Mangrove

* USGS-USDA Forest Service Single-Edition Quadrangle maps only. In August 1993, the U.S. Geological Survey and the U.S. Department of Agriculture's Forest Service signed an Interagency Agreement to begin a single-edition joint mapping program. This agreement established the coordination for producing and maintaining single-edition primary series topographic maps for quadrangles containing National Forest System lands. The joint mapping program eliminates duplication of effort by the agencies and results in a more frequent revision cycle for quadrangles containing National Forests. Maps are revised on the basis of jointly developed standards and contain normal features mapped by the USGS, as well as additional features required for efficient management of National Forest System lands. Single-edition maps look slightly different but meet the content, accuracy, and quality criteria of other USGS products.

** Provisional-Edition maps only. Provisional-edition maps were established to expedite completion of the remaining large-scale topographic quadrangles of the conterminous United States. They contain essentially the same level of information as the standard series maps. This series can be easily recognized by the title "Provisional Edition" in the lower right-hand corner.

*** Topographic Bathymetric maps only.

Topographic Map Information
 For more information about topographic maps produced by the USGS, please call: 1-888-ASK-USGS or visit us at <http://ask.usgs.gov/>



4.6-Mile In-ROW Underground Line Route Variation

3.6 / 4.6-Mile In-ROW Underground Line Route Variation

Granby Junction

Potential Transition Station Location

Newgate Road Underground Line Route Variation (Approx. 6 miles)

Potential Transition Station Location

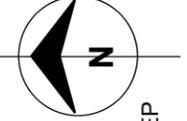
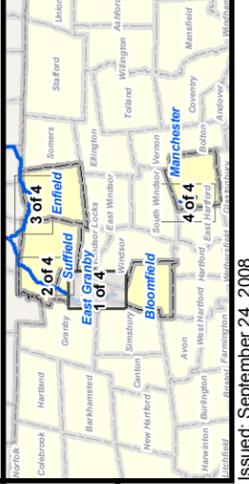
State Route 168/187 Underground Line Route Variation (Approx. 8 miles)

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

North Bloomfield Substation

LEGEND

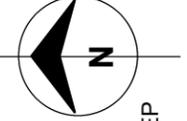
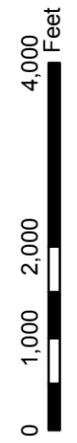
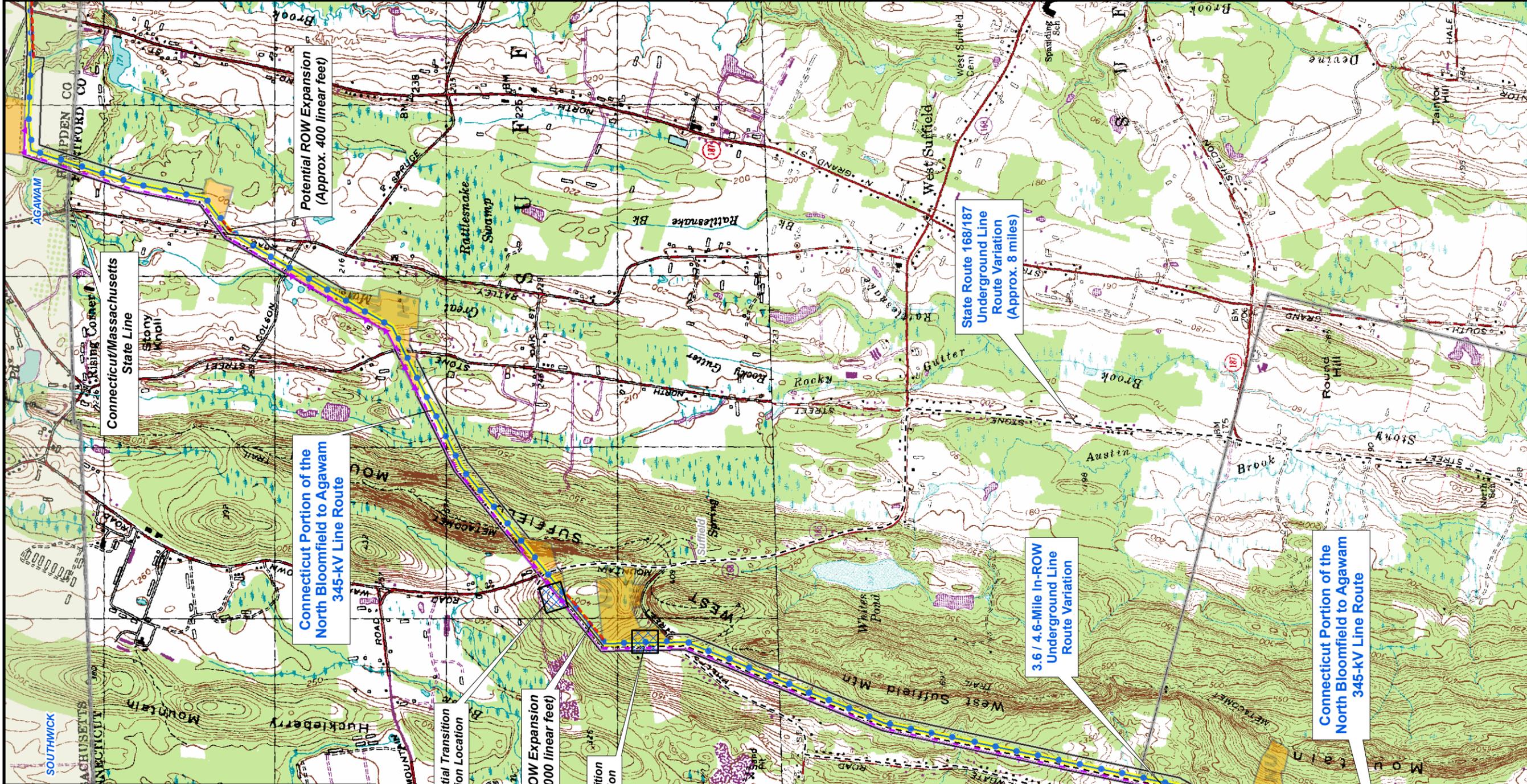
- Substation
- Junction
- Potential Underground Transmission Line
- Transition Station (2-4 ac.)
- 345-kV New Construction
- 115-kV Existing to Remain in Corridor
- 345-kV Underground Line Route Variation
- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- NU/CL&P Property
- Connecticut Towns
- Massachusetts Towns



Scale is 1:24,000 when printed at 11" x 17".
Source: USGS 7.5-Minute Quadrangles, CT DEP and Burns & McDonnell Engineering Co.

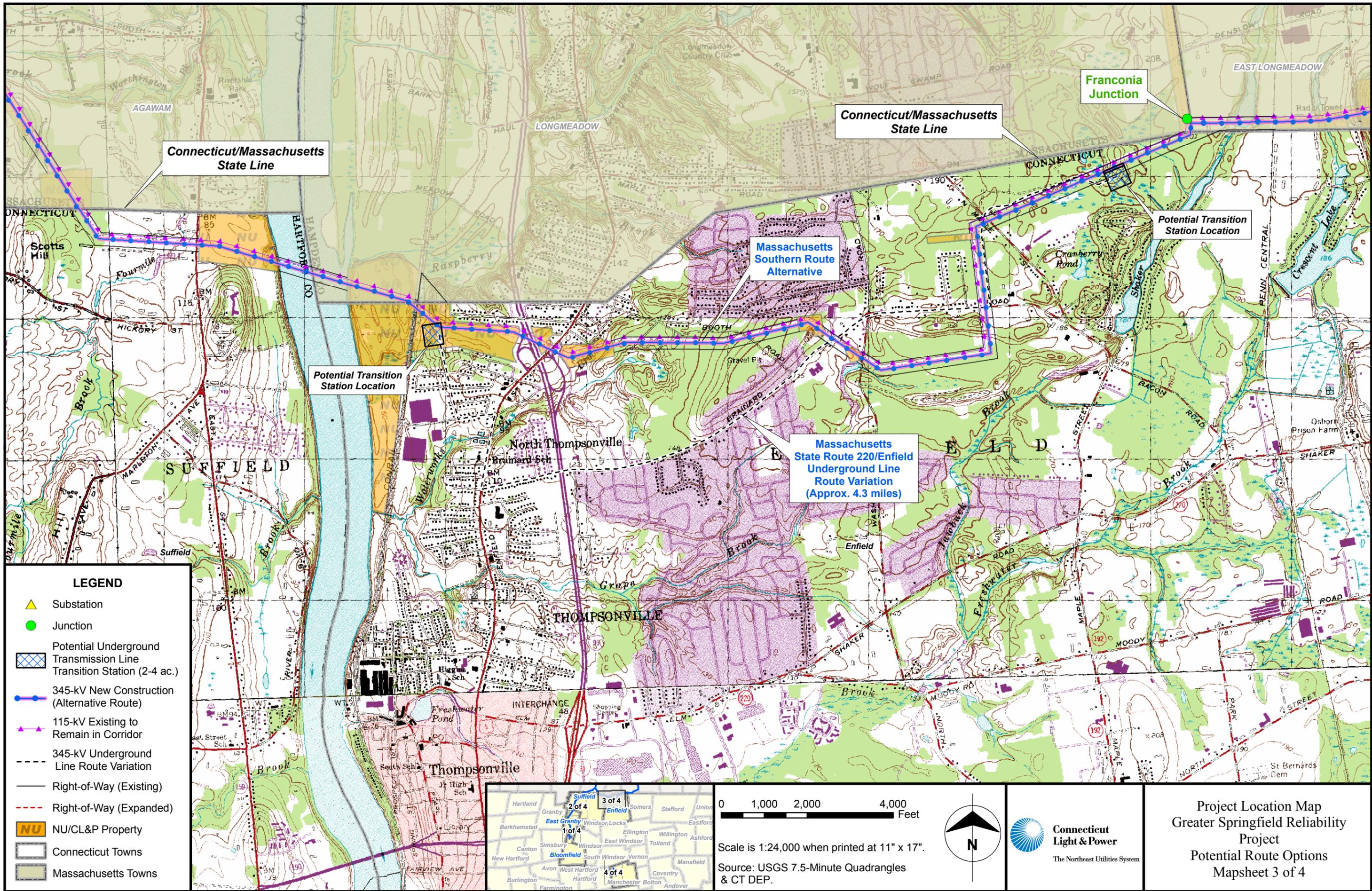
LEGEND

- ▲ Substation
- Junction
- ▣ Potential Underground Transmission Line
- ▣ Transition Station (2-4 ac.)
- 345-kV New Construction
- 115-kV Existing to Remain in Corridor
- 345-kV Underground Line Route Variation
- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- NU/CL&P Property
- ▣ Connecticut Towns
- ▣ Massachusetts Towns



Project Location Map
 Greater Springfield Reliability
 Project
 Potential Route Options
 Mapsheet 2 of 4

Scale is 1:24,000 when printed at 11" x 17".
 Source: USGS 7.5-Minute Quadrangles, CT DEP and Burns & McDonnell Engineering Co.



LEGEND

- Substation
- Junction
- Potential Underground Transmission Line Transition Station (2-4 ac.)
- 345-kV New Construction (Alternative Route)
- 115-kV Existing to Remain in Corridor
- 345-kV Underground Line Route Variation
- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- NU/CL&P Property
- Connecticut Towns
- Massachusetts Towns



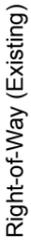
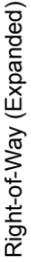
0 1,000 2,000 4,000 Feet

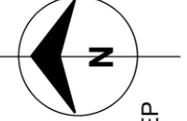
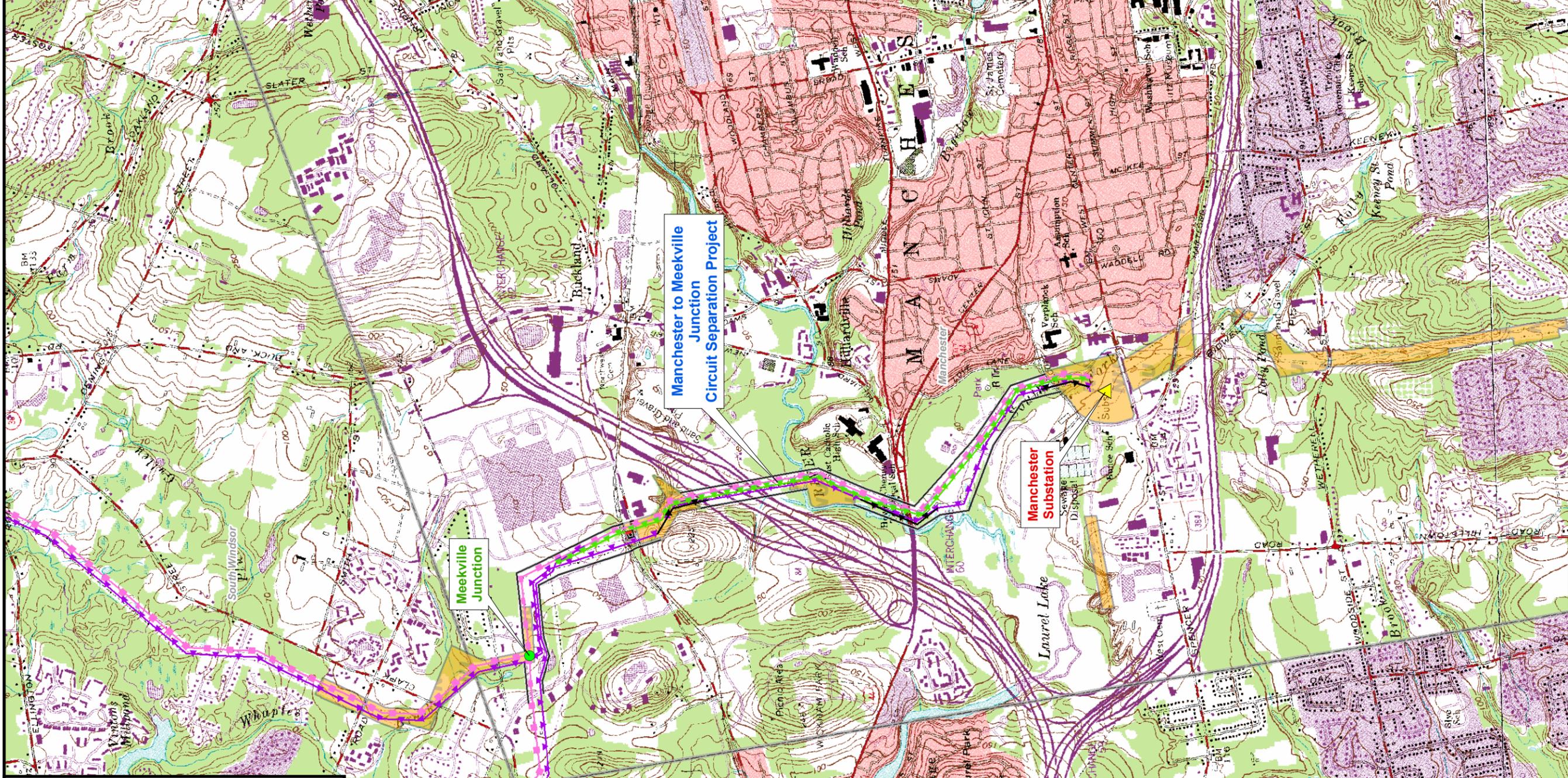
Scale is 1:24,000 when printed at 11" x 17".
 Source: USGS 7.5-Minute Quadrangles & CT DEP.

Connecticut Light & Power
 The Northeast Utilities System

Project Location Map
 Greater Springfield Reliability Project
 Potential Route Options
 Mapsheet 3 of 4

LEGEND

-  Substation
-  Junction
-  115-kV Improvements
-  Existing 115-kV Relocated for this Project
-  Existing 115-kV to Remain in Corridor
-  Existing 345-kV to Remain in Corridor
-  Right-of-Way (Existing)
-  Right-of-Way (Expanded)
-  NU/CL&P Property
-  Connecticut Towns
-  Massachusetts Towns



Project Location Map
 Manchester to Meekville
 Junction
 Circuit Separation Project
 Mapsheet 4 of 4

Scale is 1:24,000 when printed at 11" x 17".
 Source: USGS 7.5-Minute Quadrangles, CT DEP
 and Burns & McDonnell Engineering Co.

EX. 2: Aerial Photographs – 400 Scale

INTRODUCTION

The 400-scale aerial route maps depict the Connecticut portion of the North Bloomfield to Agawam 345-kV Line Route for the proposed 345-kV electric facilities between North Bloomfield Substation in Bloomfield, Connecticut and the Connecticut/Massachusetts border with Agawam, Massachusetts. The 400-scale aerial maps also depict the 115/345-kV circuit separation between Manchester Substation and Meekville Junction in Manchester, Connecticut. The Greater Springfield Reliability Project also includes construction of 345-kV electric facilities and 115-kV system improvements between the Agawam and Ludlow Substations in Massachusetts, and by a Southern Alternative Route for this 345-kV line a 5.4-mile section of the route would be in Enfield and Suffield, Connecticut. The Manchester to Meekville Junction Circuit Separation Project includes a 115/345-kV circuit separation between Manchester Substation and Meekville Junction. Only the portions of the routes in Connecticut are included in this section.

The routes are illustrated on a series of recent (2006 and 2007) aerial photographs. The 2007 aerials are limited to an approximately 1,500-foot-wide corridor along the Connecticut portion of the North Bloomfield to Agawam 345-kV Line Route and the Connecticut portion of the Massachusetts Southern Route Alternative for the Agawam to Ludlow 345-kV Line; the 2006 aerials cover the remainder of the corridors. The figures are a series of mapsheets based on the various routes presented and are shown at an approximate scale of one inch equals 400 feet (400-scale). An Index Map showing the location of each mapsheet overlaid on a partial map of Connecticut is provided. The aerial photograph for each mapsheet is depicted with a north arrow to the left of the title block on each page. North varies with the orientation of the aerial photograph. Municipal boundaries and street names are identified on each mapsheet. The text description is organized to read from south to north and west to east, for example, North Bloomfield Substation in Bloomfield, Connecticut (south end of the preferred route) to the Connecticut/Massachusetts border near South Agawam Switching Station in Agawam, Massachusetts (north end of the route as it leaves Connecticut).

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

INDEX

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

Mapsheet	Town(s)	Overhead Structures	Location
1 of 10	Bloomfield, East Granby	3134 to 3143	North Bloomfield Substation to Tunxis Avenue
2 of 10	East Granby	3144 to 3155	Tunxis Avenue to Hatchett Hill Road
3 of 10	East Granby	3155 to 3169	Hatchett Hill Road to Muddy Brook
4 of 10	East Granby	3169 to 3182	Muddy Brook to State Route 20/Turkey Hills Road
5 of 10	East Granby	3182 to 3193	State Route 20/Turkey Hills Road to Newgate Road
6 of 10	East Granby, Suffield	3194 to 3204	Newgate Road to Wyncairn Road
7 of 10	Suffield	3204 to 3215	Wyncairn Road to Phelps Road
8 of 10	Suffield	3215 to 3225	Phelps Road to State Route 168/Mountain Road
9 of 10	Suffield	3226 to 3238	State Route 168/Mountain Road to Colson Street
10 of 10	Suffield, Agawam	3238 to 2251	Colson Street (CT) to Barry Street (MA)

4.6-MILE IN-ROW UNDERGROUND LINE-ROUTE VARIATION

Mapsheet	Town(s)	Overhead Structures	Location
4 of 10	East Granby	3169 to 3182	Muddy Brook to State Route 20/Turkey Hills Road
5 of 10	East Granby	3182 to 3193	State Route 20/Turkey Hills Road to Newgate Road
6 of 10	East Granby, Suffield	3194 to 3204	Newgate Road to Wyncairn Road
7 of 10	Suffield	3204 to 3215	Wyncairn Road to Phelps Road
8 of 10	Suffield	3215 to 3225	Phelps Road to State Route 168/Mountain Road

3.6-MILE IN-ROW UNDERGROUND LINE ROUTE VARIATION

Mapsheet	Town(s)	Overhead Structures	Location
5 of 10	East Granby	3182 to 3193	State Route 20/Turkey Hills Road to Newgate Road
6 of 10	East Granby, Suffield	3194 to 3204	Newgate Road to Wyncairn Road
7 of 10	Suffield	3204 to 3215	Wyncairn Road to Phelps Road
8 of 10	Suffield	3215 to 3225	Phelps Road to State Route 168/Mountain Road

INDEX (Continued)

NEWGATE ROAD UNDERGROUND LINE ROUTE VARIATION

Mapsheet	Town(s)	Structures	Location
6 of 10	East Granby, Suffield	underground	Newgate Road
7 of 10	Suffield	underground	Newgate Road to Phelps Road
8 of 10	Suffield	underground	Phelps Road
1 of 8	East Granby	underground	Turkey Hills Road
2 of 8	East Granby	underground	Turkey Hills Road to Newgate Road
8 of 8	East Granby	underground	Newgate Road

STATE ROUTE 168/187 UNDERGROUND LINE ROUTE VARIATION

Mapsheet	Town(s)	Structures	Location
1 of 8	East Granby	underground	Turkey Hills Road
2 of 8	East Granby	underground	Turkey Hills Road
3 of 8	East Granby	underground	Turkey Hills Road to State Route 187 (N. Main Street)
4 of 8	East Granby, Suffield	underground	State Route 187 (N. Main Street) to State Route 187 (S. Stone Street)
5 of 8	Suffield	underground	State Route 187 (S. Stone Street) to State Route 168 (Mountain Road)
6 of 8	Suffield	underground	State Route 168 (Mountain Road)
7 of 8	Suffield	underground	State Route 168 (Mountain Road)

MASSACHUSETTS SOUTHERN ROUTE ALTERNATIVE

Mapsheet	Town(s)	Overhead Structures	Location
1 of 5	Suffield, Agawam	22009 to 22019	State Route 75/Suffield Street (MA) to State Route 159/Mapleton Ave (CT)
2 of 5	Suffield, Enfield, Longmeadow	22019 to 22024	State Route 159/Mapleton Ave (CT) to Sword Ave (CT)
3 of 5	Enfield	22025 to 22035	Sword Ave to Booth Road
4 of 5	Enfield	22036 to 22050	Booth Road to N. Maple Street
5 of 5	Enfield, Longmeadow, East Longmeadow	22051 to 54/47	N. Maple Street to Franconia Junction (MA)

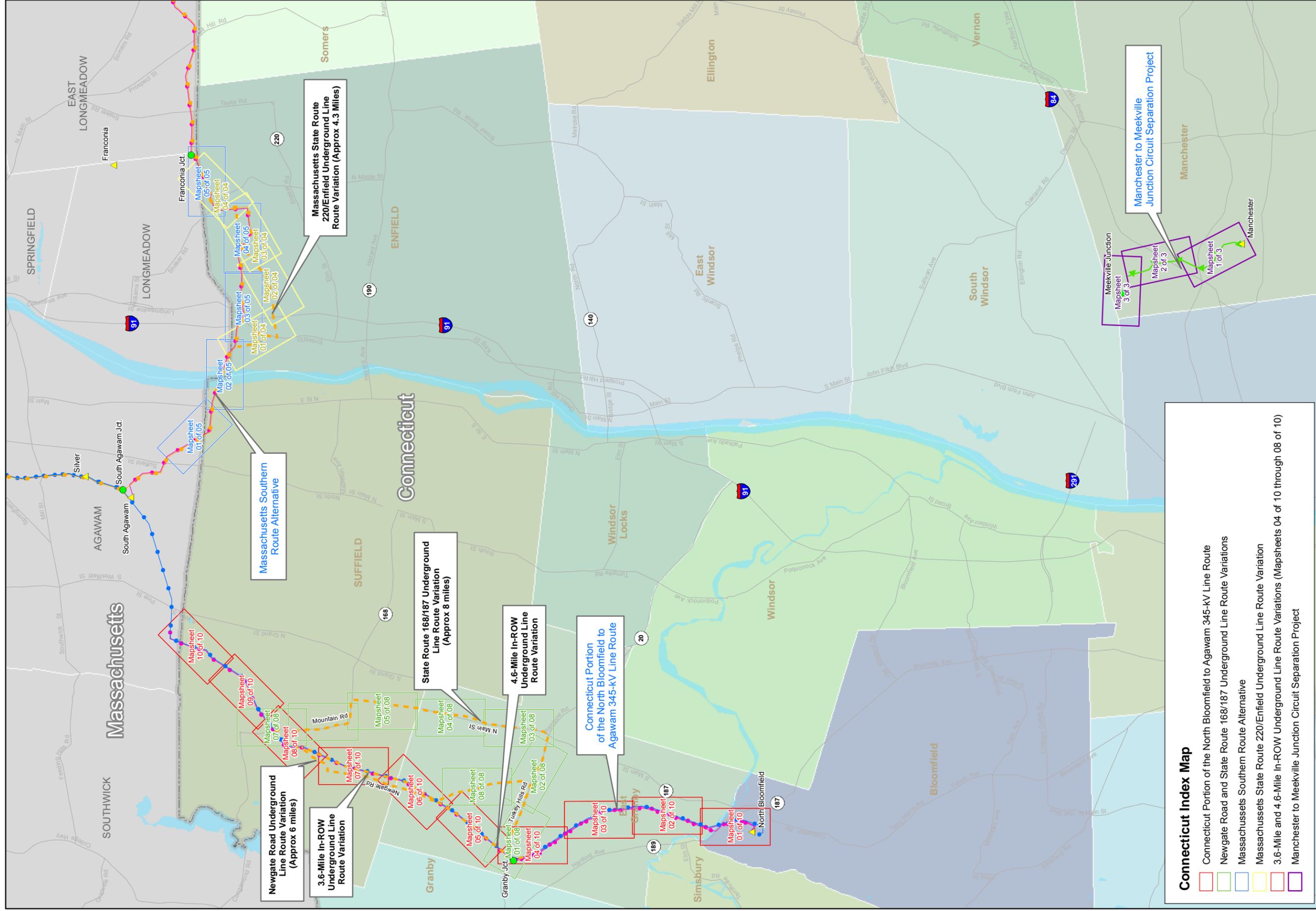
INDEX (Continued)

MASSACHUSETTS STATE ROUTE 220/ENFIELD UNDERGROUND LINE ROUTE VARIATION

Mapsheets	Town(s)	Structures	Location
1 of 4	Enfield, Longmeadow	underground	Campania Road to Manning Road to Enfield Street to Brainard Road
2 of 4	Enfield	underground	Brainard Road
3 of 4	Enfield	underground	Brainard Road to existing overhead ROW
4 of 4	Enfield	underground	Existing overhead ROW to Mayfield Drive

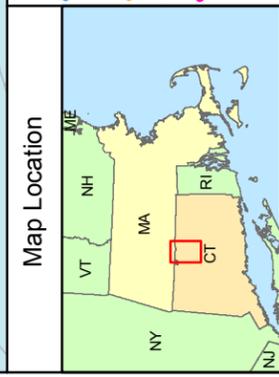
MANCHESTER TO MEEKVILLE JUNCTION CIRCUIT SEPARATION ROUTE

Mapsheets	Town(s)	Overhead Structures	Location
1 of 3	Manchester	20001 to 20011	Manchester Substation to Middle Turnpike/U.S. Route 6
2 of 3	Manchester	20009 to 20019	Middle Turnpike/U.S. Route 6 to Tolland Turnpike
3 of 3	Manchester	20017 to 20022	Tolland Turnpike to Meekville Junction



Connecticut Index Map

- Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
- Newgate Road and State Route 168/187 Underground Line Route Variations
- Massachusetts Southern Route Alternative
- Massachusetts State Route 220/Enfield Underground Line Route Variation
- 3.6-Mile and 4.6-Mile In-ROW Underground Line Route Variations (Mapsheets 04 of 10 through 08 of 10)
- Manchester to Meekville Junction Circuit Separation Project



Electric Transmission Routes

- Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
- Massachusetts Southern Route Alternative
- Underground Line Route Variations
- Existing 115-kV Line

Manchester to Meekville Junction Circuit Separation Project

- Meekville Junction Mapsheet 3 of 3
- Mapsheets 2 of 3
- Mapsheets 1 of 3

0 1 2 3 Miles 1:100,000

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

Greater Springfield Project Reliability Project Index Map Connecticut

Date: September 2008

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MAPSHEET 1 of 10:

Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route Existing Structure Locations 3134 to 3143 North Bloomfield Substation to Tunxis Avenue Towns of Bloomfield and East Granby, CT

AREA DESCRIPTION

Existing Land Use

- Town of Bloomfield
 - Residential
 - Commercial/Industrial
 - Conservation (Talcott Mountain State Park and Farmington River Water Access managed by the State of Connecticut)
 - Saint Andrews cemetery (private)
- Town of East Granby
 - Conservation (Cowles Park managed the by Town of East Granby)
 - Residential

Future Land Use

- Town of Bloomfield
 - Zoning (current):
 - Residential (R-40 and R-80)
- Town of East Granby
 - Zoning (current):
 - Residential (R-20 and R-30)
 - Agricultural (A)

Natural Systems

- Farmington River
- Unnamed tributaries
- Griffin Brook
- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in age and size
- State/Federal jurisdictional wetlands

Visual Character

- Forest, low density residential and Farmington River

RIGHT-OF-WAY DESCRIPTION

Land Use

- Commercial/Industrial (North Bloomfield Substation)
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-212, W9-213, W9-214, W9-215, W9-216, W9-217, W9-218, W9-219
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands, Open Water
- Stream Nos. S9-78 (Griffin Brook), S9-79, S9-80 & S9-81 (Farmington River), S9-82, S9-83

Potential Access

- Structure 3134 and North Bloomfield Substation can be accessed from Tariffville Road and Duncaster Road
- Structures 3135-3139 can be accessed from Tariffville Road
- Structure 3140 can be accessed from State Route 189
- Structures 3141-3143 can be accessed from Tunxis Avenue, north of Farmington River

Right-of-Way Vegetation

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

Terrain

- Flat to Broad, hilltops between structures 3134 to 3140 and between structures 3142 to 3144
- Steep slopes between structures 3140 to 3142

Existing Right-of-Way Width

- 385 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

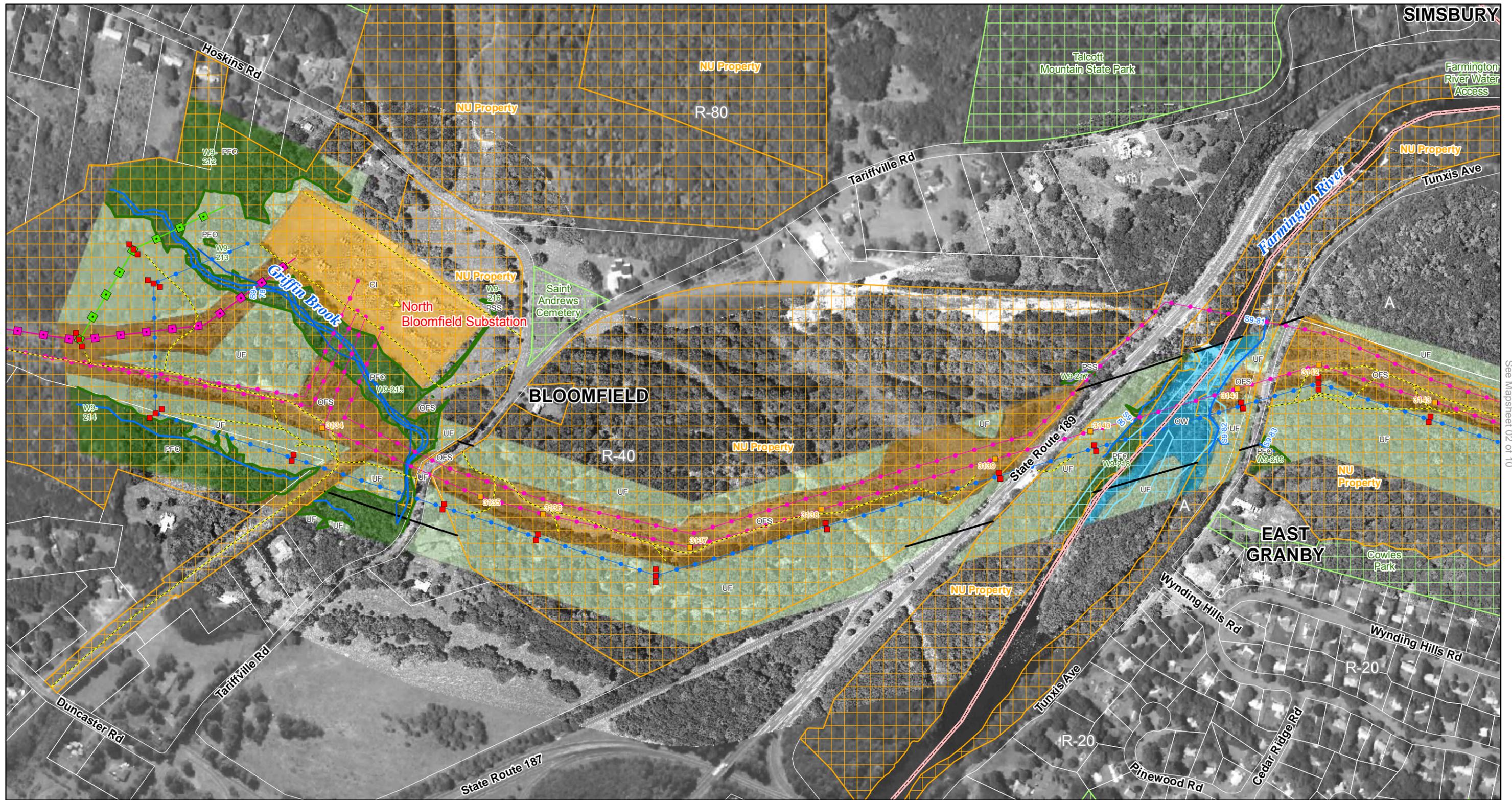
- 180 feet

Proposed Additional Cleared Right-of-Way Width

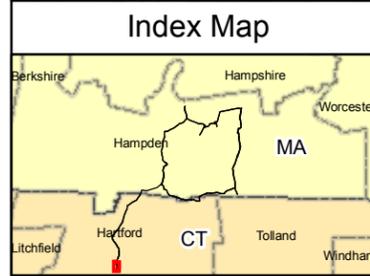
- 30-110 feet

Road/Major Utility Crossings

- State Route 189 between structures 3139 to 3140
- Tunxis Ave between structures 3141 to 3142
- Tariffville Road between structures 3134 to 3135



See Mapsheet 02 of 10



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p>	<p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>	

Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 Mapsheet 01 of 10

Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3144 to 3155
Tunxis Avenue to Hatchett Hill Road
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Open field-shrub
- Conservation (Cowles Park managed by the Town of East Granby)

Future Land Use

- Zoning (current):
 - Residential (R-20 and R-30)
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Land Use

- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-220, W9-221, W9-222, W9-223, W9-224
- Wetland Cover Types – Palustrine Scrub–Shrub Wetlands, Palustrine Forested Wetlands

Potential Access

- Structures 3144-3155 can be accessed from Tunxis Avenue (See Mapsheet 01 of 10) and Hatchett Hill Road

Right-of-Way Vegetation

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

Terrain

- Flat to rolling hills

Existing Right-of-Way Width

- 385 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

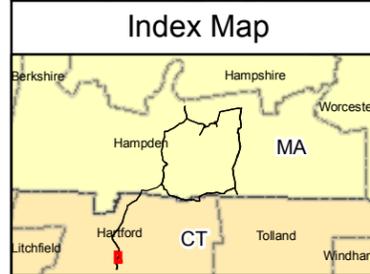
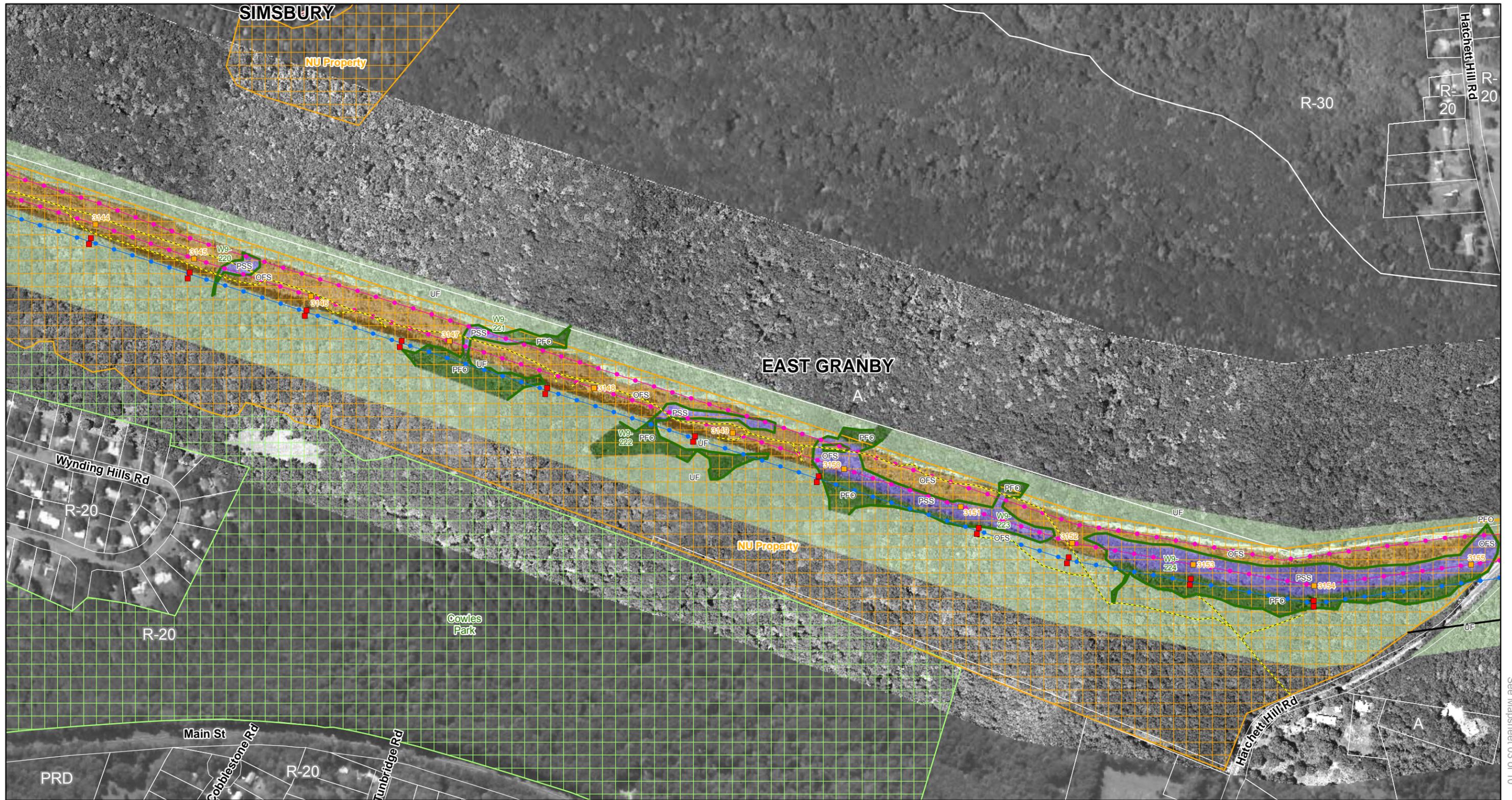
- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 75-110 feet

Road/Major Road Crossings

- Hatchett Hill Road, north of structure 3155



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>		

Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 Mapsheet 02 of 10

Connecticut Light & Power
 The Northeast Utilities System

 Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3155 to 3169
Hatchett Hill Road to Muddy Brook
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural

Future Land Use

- Zoning (current):
 - Residential (R-20, R-30, and R-40)
 - Agricultural (A)

Natural Systems

- Unnamed tributaries
- Muddy Brook
- Marsh Pond
- CT DEP area(s) of concern for protecting species and natural communities
- Mixed hardwood forests varying in age and size
- State/Federal jurisdictional wetlands
- 100 year flood zone

Visual Character

- Residential, forest, streams, wetlands, and cultivated land

RIGHT-OF-WAY DESCRIPTION

Land Use

- Agricultural east of structures 3165-3166
- Residential west of structures 3161-3162 and east of structure 3164
- Forest adjacent to residential and agricultural

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-224, W9-225, W9-226, W9-227, W9-228, W9-229, W9-230, W9-231, W9-232, W9-232A, W9-233, W9-234, W9-235, W9-236, W9-237
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-83, S9-84, S9-85

Potential Access

- Structures 3155-3162 can be accessed from Hatchett Hill Road, Holcomb Street or Adams Drive
- Structures 3163-3169 can be accessed from Holcomb Street

Right-of-Way Vegetation

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

Terrain

- Flat to rolling hills

Existing Right-of-Way Width

- 385 feet between structures 3155 to 3162 and between structures 3164 to 3169
- 536 feet at the greatest width between structures 3162 to 3164

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

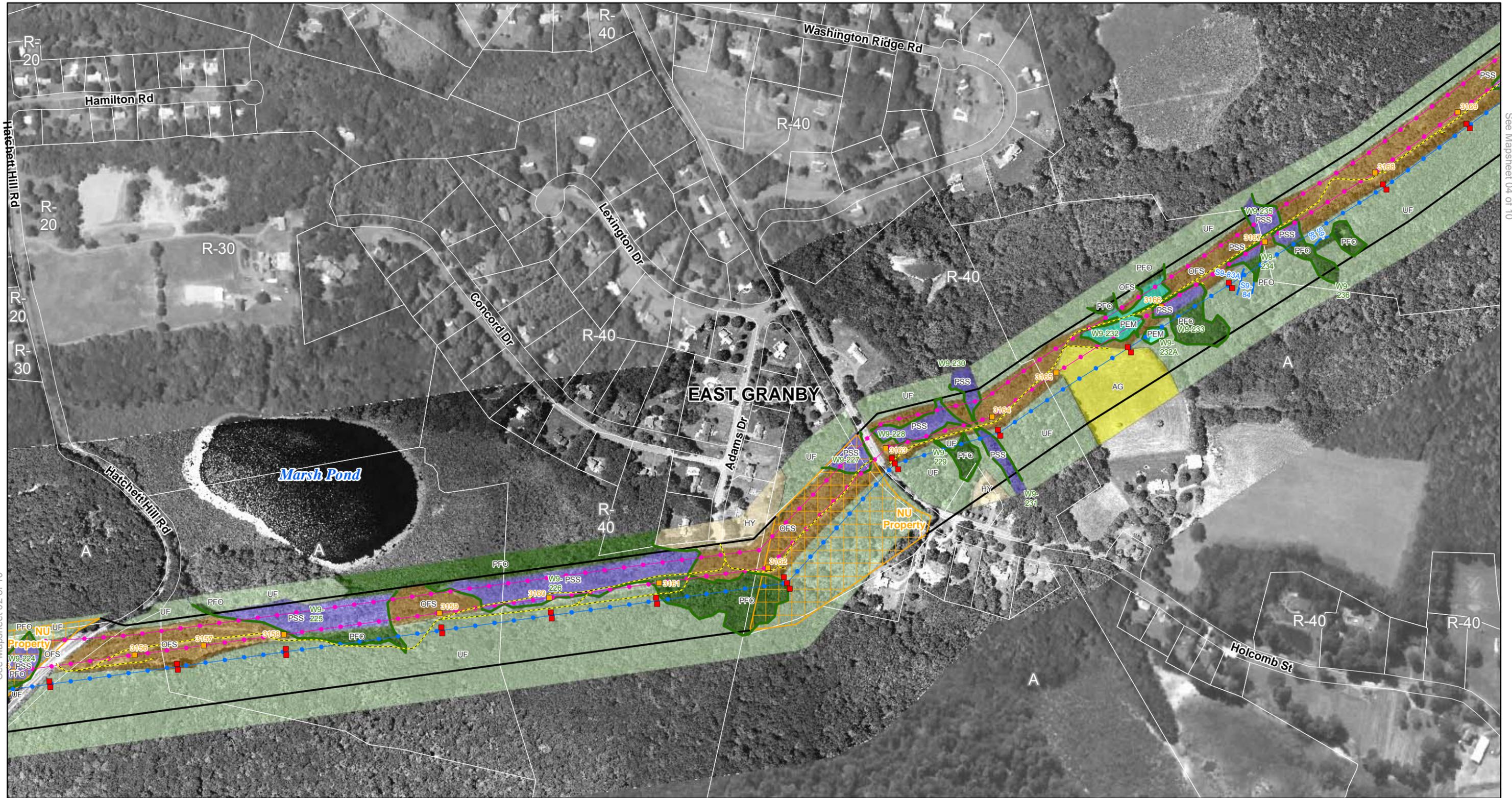
- 180 feet

Proposed Additional Cleared Right-of-Way Width

- 30-110 feet

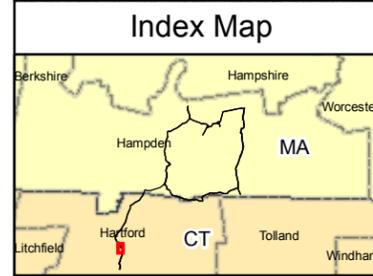
Road/Major Utility Crossings

- Holcomb Street south of structure 3163
- Hatchett Hill Road between structures 3155 to 3156



See Mapsheet 02 of 10

See Mapsheet 04 of 10



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	<p style="text-align: center;">N E S W</p> <p style="text-align: center;">0 400 800 Feet</p>
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p>		

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

1:4,800

Mapsheet 03 of 10



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
and 4.6-Mile In-ROW Underground Line Variation
Existing Structure Locations 3169 to 3182
Muddy Brook to State Route 20/Turkey Hills Road
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Designated community facility (Town of East Granby)
- Conservation (Newgate Wildlife Management Area managed by the CT DEP – with some land leased from CL&P)
- Residential

Future Land Use

- Zoning (current):
 - Residential (R-20 and R-40)
 - Multi-family residential development (MFRD)
 - Agricultural (A)

Natural Systems

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

Visual Character

- Forests, cultivated land, open pastures and residential

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

Land Use

- Agricultural between structures 3172 to 3174
- Residential southeast of structure 3180
- Designated community facility (Town of East Granby) between structures 3174 to 3176
- Forest adjacent to agricultural and residential

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-237, W9-238, W9-239, W9-240, W9-241, W9-242 [Common Reed (*Phragmites australis*) prevalent within wetland], W9-243, W9-244
- Wetland Cover Types – Palustrine Scrub-Shrub Wetlands, Palustrine Forested Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-86, S9-87, S9-88 & S9-89 (Muddy Brook), S9-90, S9-91

Potential Access

- Structures 3169 to 3171 can be accessed from Holcomb Street
- Structures 3172 to 3179 can be accessed from State Route 189 (located to west of agricultural area) and State Route 20/Turkey Hills Road
- Structures 3180 to 3182 can be accessed from State Route 20/Turkey Hills Road and/or Newgate Road (See Mapsheet 05 of 10)

Right-of-Way Vegetation

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

Terrain

- Hilly between structures 3169 to 3173
- Hilly to steep between structures 3173 to 3174
- Broad and flat between structures 3174 to 3182

Existing Right-of-Way Width

- 385 feet between structures 3169 to 3179
- 305 feet between structures 3179 to 3182

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

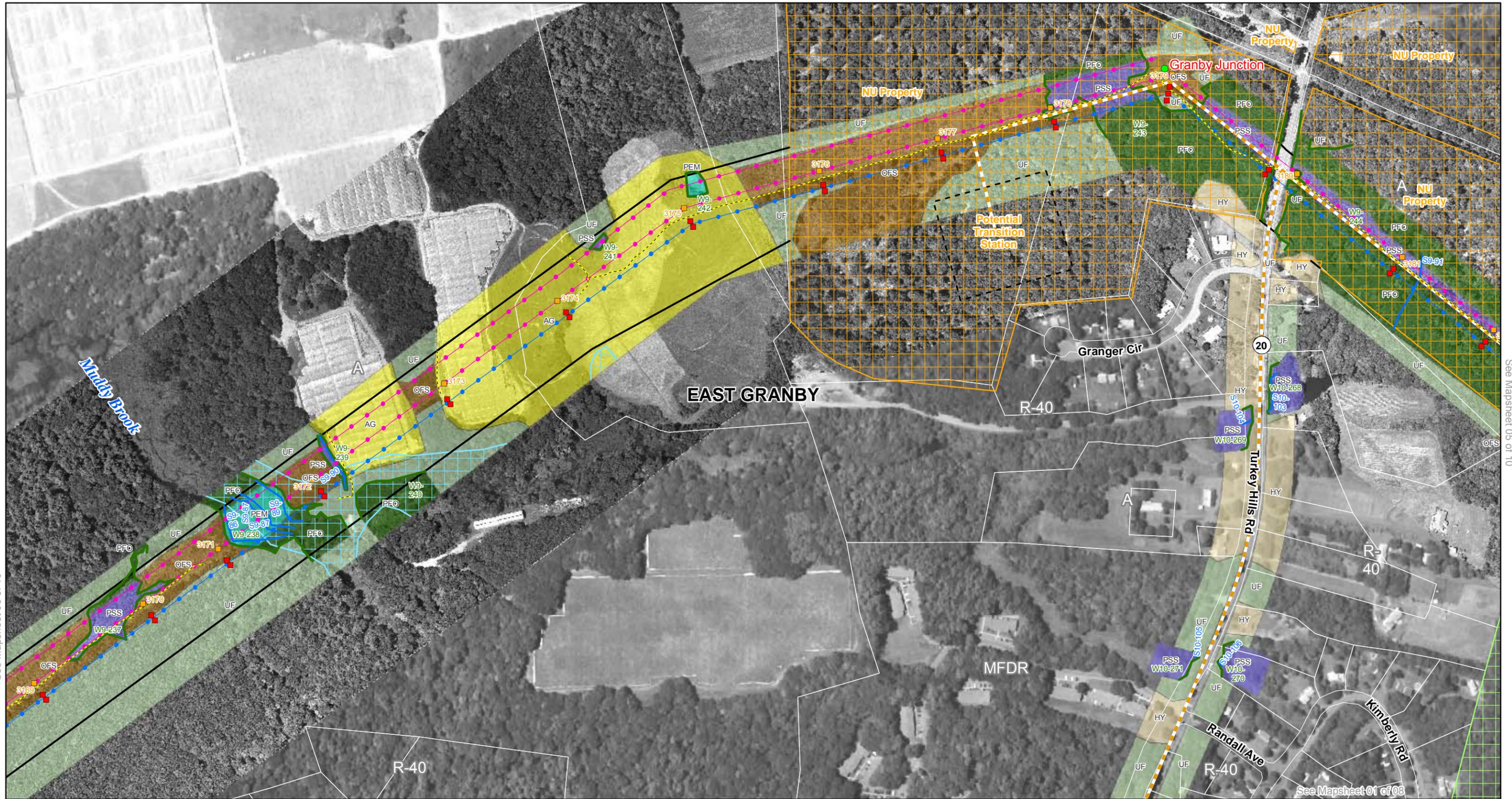
- 100 - 180 feet

Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

Road/Major Utility Crossings

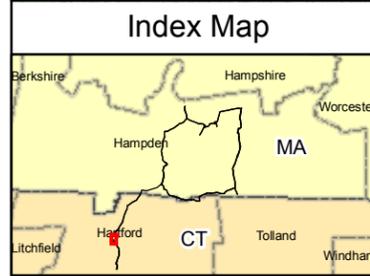
- State Route 20/Turkey Hills Road between structures 3179 to 3180



See Mapsheet 03 of 10

See Mapsheet 05 of 10

See Mapsheet 01 of 08



- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Electric Transmission Routes**
- 345-kV Overhead Preferred Route
- 345-kV Overhead Southern Route Alternative
- 345-kV Underground Variation
- Existing 115-kV Line
- Existing 345-kV Line
- Relocated 345-kV Line
- Potential Transition Station
- Existing Structure
- Proposed Structure
- Statutory Facilities**
- Daycare
- Playground
- School
- Youth Camp

- 100 Year Flood Zone
- Property Line
- Town/State Boundary
- Wetland Boundary
- Watercourse
- Potential Access Road
- Northeast Utilities Property

- Land Use/Vegetative Cover Type Classes**
- Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub - Shrub Wetland (PSS)
 - Open Field-Shrub Land (OFS)
 - Commerical/Industrial (CI)
 - CT Protected/Open Space
 - Agricultural (AG)
 - Other (OT)
 - Open Water (OW)
 - House/Yard (HY)
 - Upland Forest (UF)
- Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery
- Scale: 1:4,800
- 0 400 800 Feet

Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 4.6-Mile In-ROW Underground Line Route Variation

Mapsheets 04 of 10

Connecticut Light & Power
The Northeast Utilities System

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Date: September 2008

MAPSHEET 5 of 10:

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
and 3.6-Mile & 4.6-Mile In-ROW Underground Line Route Variations
Existing Structure Locations 3182 to 3193
State Route 20/Turkey Hills Road to Newgate Road
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Open field-shrub
- Conservation (Newgate Wildlife Management Area managed by the CT DEP – with some land leased from CL&P)

Future Land Use

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

Natural Systems

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

Visual Character

- Forest, natural streams, residential and open pastures

RIGHT-OF-WAY DESCRIPTION (Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route and 3.6-Mile & 4.6-Mile In-ROW Underground Line Route Variations)

Land Use

- Residential west of structures 3192 to 3193
- Forest
- Newgate Wildlife Management Area

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-244, W9-245, W9-246, W9-247, W9-248, W9-249, W9-250, W9-251, W9-252, W9-253, W9-254, W9-255
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-91, S9-92, S9-93

Potential Access

- Structures 3182-3193 can be accessed from either State Route 20/Turkey Hills Road (See Mapsheet 4 of 10) or Newgate Road (See Mapsheet 6 of 10)

Right-of-Way Vegetation

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

Terrain

- Hilly to flat

Existing Right-of-Way Width

- 305 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

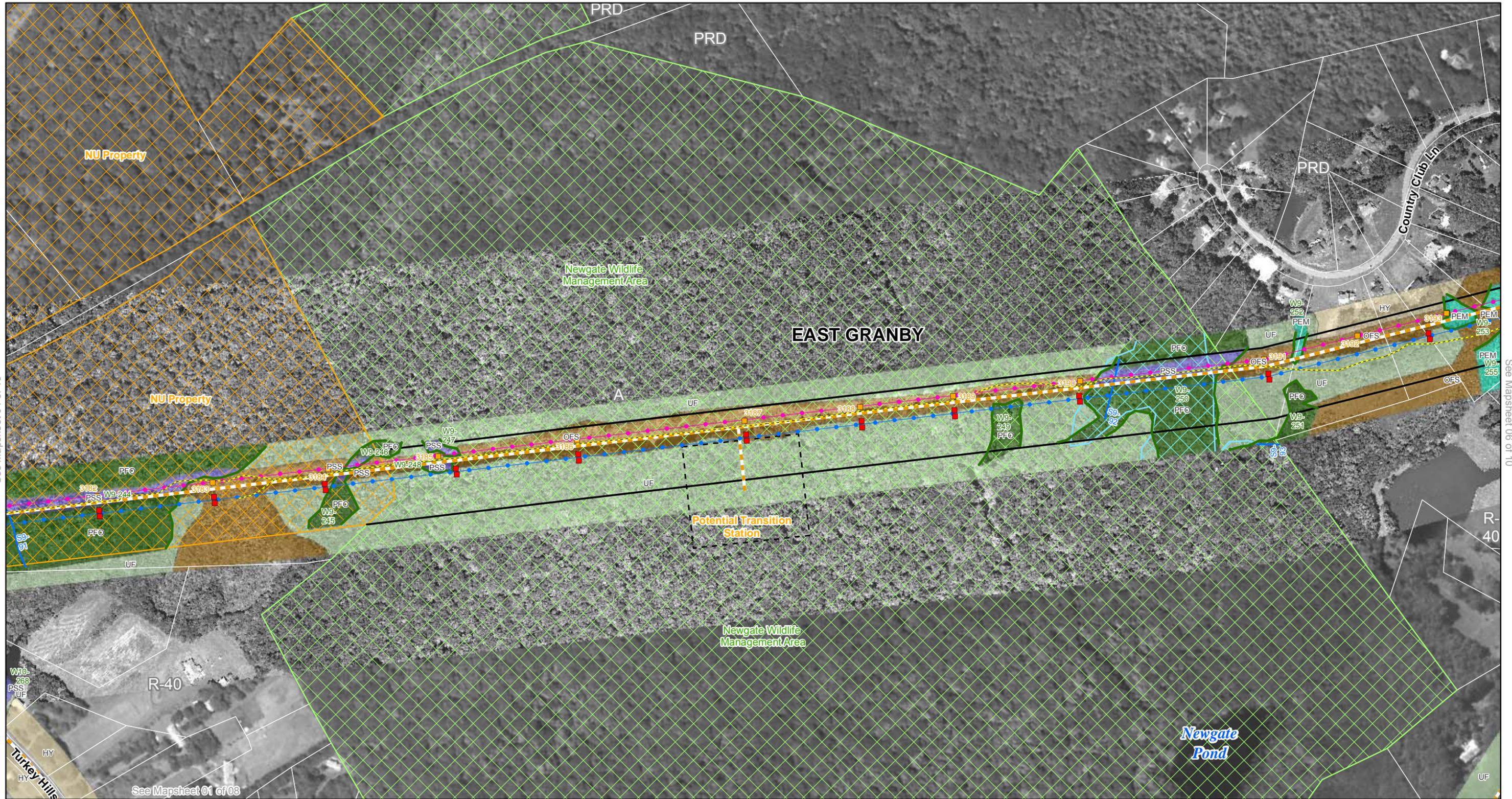
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 70-110 feet

Road/Major Utility Crossings

- None



See Mapsheet 04 of 10

See Mapsheet 06 of 10

See Mapsheet 01 of 08



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp

<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property

Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	
<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p>	

Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 3.6/4.6-Mile In-ROW Underground Line Route Variations

 Mapsheet 05 of 10

<p>Connecticut Light & Power The Northeast Utilities System</p>
<p>Date: September 2008</p>

MAPSHEET 6 of 10:

Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route, 3.6-Mile & 4.6-Mile In-ROW Underground Line Route Variations and Newgate Road Underground Line Route Variation Existing Structure Locations 3194 to 3204 Newgate Road to Wyncairn Road Towns of East Granby and Suffield, CT

AREA DESCRIPTION

Existing Land Use

- Residential (Towns of East Granby and Suffield)
- Recreational (Town of East Granby, only)
- Agricultural (Town of Suffield, only)

Future Land Use

- Zoning (current):
 - Residential (R-40) (Town of East Granby)
 - Agricultural (A) (Town of East Granby)
 - Residential (R-90) (Town of Suffield)
- Zoning (Plan of Development):
 - Residential districts (PRD) (Town of East Granby)
 - Residential (R-90) (Town of Suffield)

Natural Systems

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

Visual Character

- Residential and forest

RIGHT-OF-WAY DESCRIPTION (Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route and 3.6-Mile & 4.6-Mile In-ROW Underground Line Route Variations)

Land Use

- Residential west of structures 3194 to 3200, east of structures 3194 to 3196 and 3199 to 3201, and between structures 3203 to 3204
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-253, W9-254, W9-255, W9-256, W9-257
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S9-94, S9-95, S9-96

Potential Access

- Structures 3194 and 3195 can be accessed from Newgate Road
- Structures 3196 to 3200 can be accessed from either Newgate Road or Wyncairn Road
- Structures 3201 to 3204 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road (See Mapsheet 8 of 10)

RIGHT-OF-WAY DESCRIPTION (Cont.)

Right-of-Way Vegetation

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

Terrain

- Hilly between structures 3194 to 3200 and between structures 3201 to 3204
- Steep slopes between structures 3200 to 3201

Existing Right-of-Way Width

- 305 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 80-110 feet

Road/Major Utility Crossings

- Newgate Road between structures 3195 to 3196
- Wyncairn Road between structures 3200 to 3201

UNDERGROUND ROUTE DESCRIPTION (Newgate Road Underground Line Route Variation)

Land Use

- Residential and upland forest

Wetlands, Watercourses and Waterways

- Wetland Nos. 11-308 and 11-309
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S11-121, S11-122, S11-123, S11-124

Vegetation

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

Existing Ledge, Cut and Fill

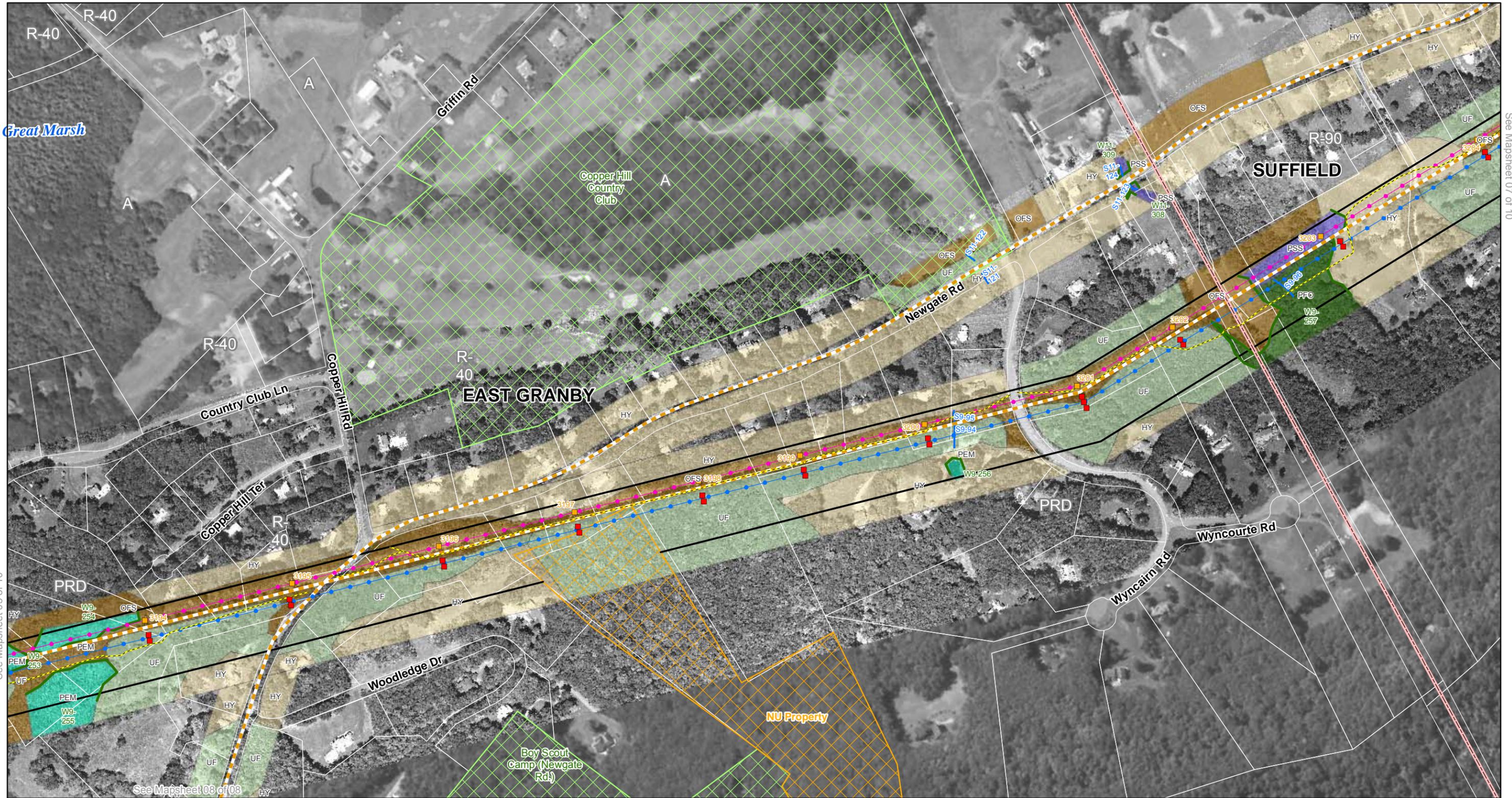
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

Terrain

- Flat to rolling hills

Roads (Aligned Within or Adjacent To)

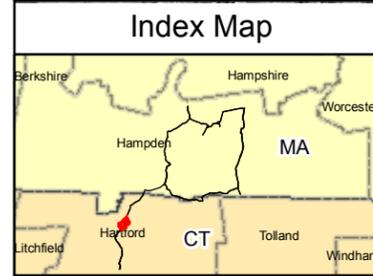
- Newgate Road, two-lanes



See Mapsheet 05 of 10

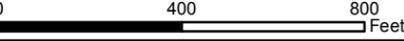
See Mapsheet 07 of 10

See Mapsheet 08 of 08



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<ul style="list-style-type: none"> Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
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Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery



Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 3.6/4.6-Mile In-ROW Underground Line Route Variations
 Newgate Road Underground Line Route Variation
 Mapsheet 06 of 10



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route,
3.6-Mile & 4.6-Mile Underground Line Route Variations and
Newgate Road Underground Line Route Variation
Existing Structure Locations 3204 to 3215
Wyncairn Road to Phelps Road
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Conservation (Dildilian and Harmon Wood lots and Hugh M. Alcorn and Howard Well Alcorn Wildlife Preserves managed by the Suffield Land Conservancy, Inc. and Sunrise Park managed by the Town of Suffield)

Future Land Use

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

Natural Systems

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

Visual Character

- Residential and forest

RIGHT-OF-WAY DESCRIPTION (Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route and 3.6-Mile & 4.6-Mile In-ROW Underground Line Route Variations)

Land Use

- Residential between structures 3203 to 3204, east of structure 3209, and adjacent to structures 3214 and 3215
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-258, W9-259, W9-260
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands
- Stream Nos. S9-97, S9-98

Potential Access

- Structures 3204 to 3215 can be accessed from Wyncairn Road, Newgate Road or Phelps Road

RIGHT-OF-WAY DESCRIPTION (Cont.)

Right-of-Way Vegetation

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

Terrain

- Long, broad hilltops with hills

Existing Right-of-Way Width

- 305 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 30-100 feet

Road/Major Utility Crossings

- None

UNDERGROUND ROUTE DESCRIPTION (Newgate Road Underground Line Route Variation)

Land Use

- Residential
- Upland forest

Wetlands, Watercourses and Waterways

- Wetland Nos. W11-310, W11-311
- Wetland Cover Type – Palustrine Scrub–Shrub Wetlands
- Stream Nos. S11-126, S11-127, S11-128, S11-129, S11-130, S11-131, S11-132, S11-133

Vegetation

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

Existing Ledge, Cut and Fill

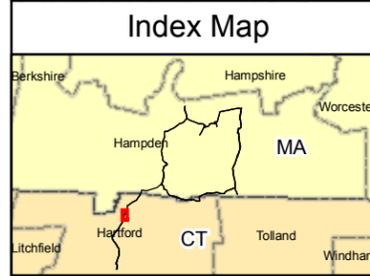
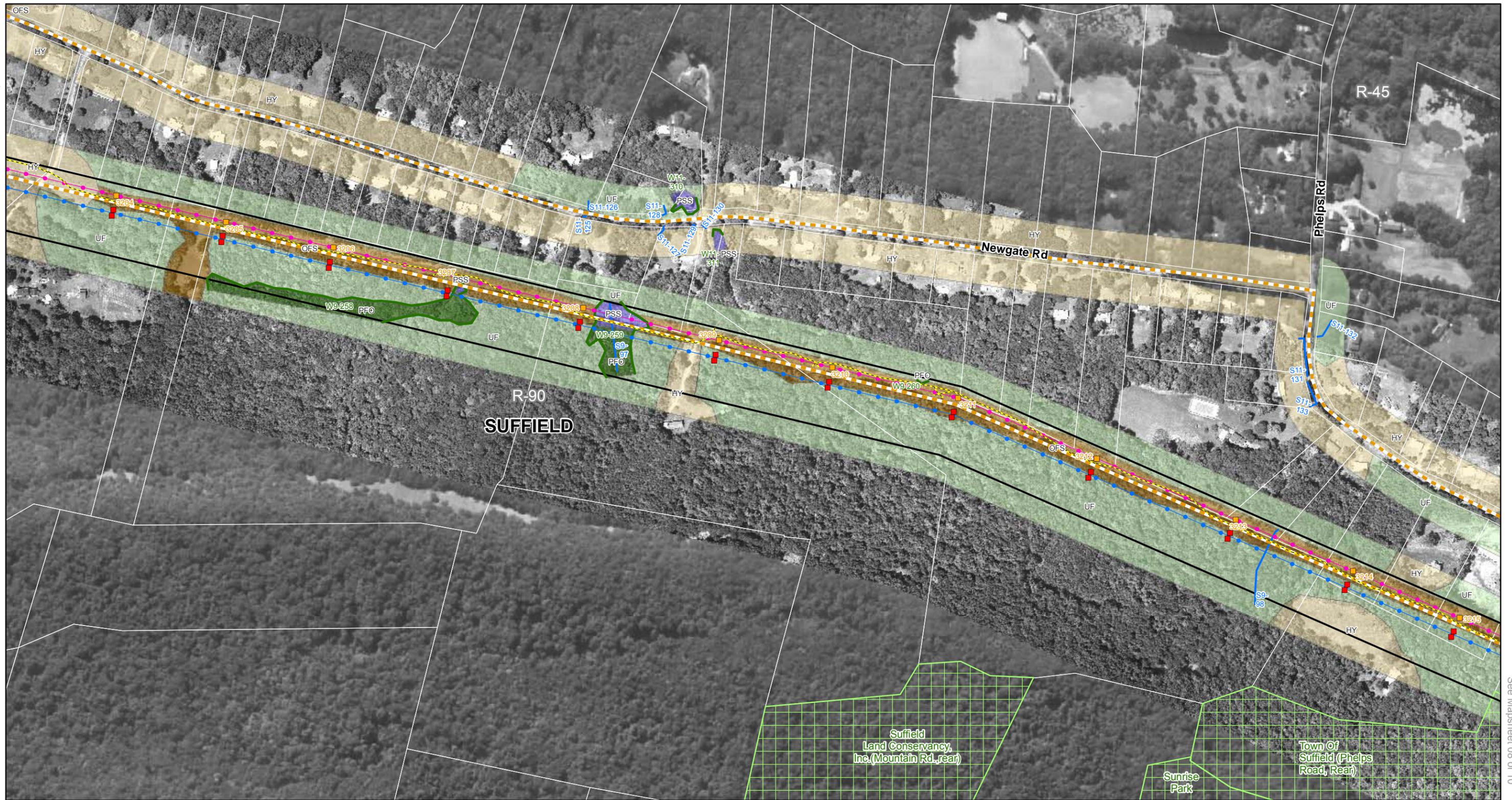
- Cuts in ridge tops for road construction.
- Fill material adjacent to river/stream crossings

Terrain

- Rolling hills

Roads (Aligned Within or Adjacent To)

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



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp

<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property

Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	
<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>	

Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 3.6/4.6-Mile In-ROW Underground Line Route Variations
 Newgate Road Underground Line Route Variation
 Mapsheet 07 of 10

Connecticut Light & Power
 The Northeast Utilities System

Date: September 2008

MAPSHEET 8 of 10:

Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route, 3.6-Mile & 4.6-Mile In-ROW Underground Line Route Variations and Newgate Road Underground Line Route Variation Existing Structure Locations 3215 to 3225 Phelps Road to State Route 168/Mountain Road Town of Suffield, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Open field-shrub
- Conservation (Hugh M Alcorn and Howard Well Alcorn Wildlife Preserves, Spenser Wood Wildlife Management Area, Dildilian and Harmon Wood lots, and Root-Colson and Prekop Properties managed by the Suffield Lane Conservancy, Inc)
- Recreational (Suffield Sportsman's Association)

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, agricultural, and forest

RIGHT-OF-WAY DESCRIPTION (Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route and 3.6-Mile & 4.6-Mile In-ROW Underground Line Route Variations)

Land Use

- Residential adjacent to structures 3215 to 3217, east of structure 3218, and between structures 3224 to 3225
- Forest
- Suffield Land Conservancy Property and Suffield Sportsman's Association Property

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-261, W9-262
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands
- Stream Nos. S9-99, S9-100

Potential Access

- Structures 3215 to 3221 can be accessed from Phelps Road
- Structures 3222 to 3224 can be accessed from State Route 168/Mountain Road
- Structure 3225 can be accessed from North Stone Street (See Mapsheet 09 of 10)

RIGHT-OF-WAY DESCRIPTION (Cont.)

Right-of-Way Vegetation

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

Terrain

- Flat to hilly between structures 3215 to 3224
- Steep slope between structures 3224 to 3225

Existing Right-of-Way Width

- 305 feet between structures 3215 to 3218 and between structures 3223-3225
- 100 feet between structures 3218 to 3223

Proposed Expansion of Right-of-Way Width

- 100 feet of additional right-of-way for approximately 1,000 linear feet between structures 3221 to 3223, north of Phelps Road
- Land adjacent to structures 3219 to 3221 is owned by CL&P

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 85-100 feet

Road/Major Utility Crossings

- Phelps Road between structures 3218 to 3219
- State Route 168/Mountain Road between structures 3224 to 3225

UNDERGROUND ROUTE DESCRIPTION (Newgate Road Underground Line Route Variation)

Land Use

- Residential and upland forest

Wetlands, Watercourses and Waterways

- None

Vegetation

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

Existing Ledge, Cut and Fill

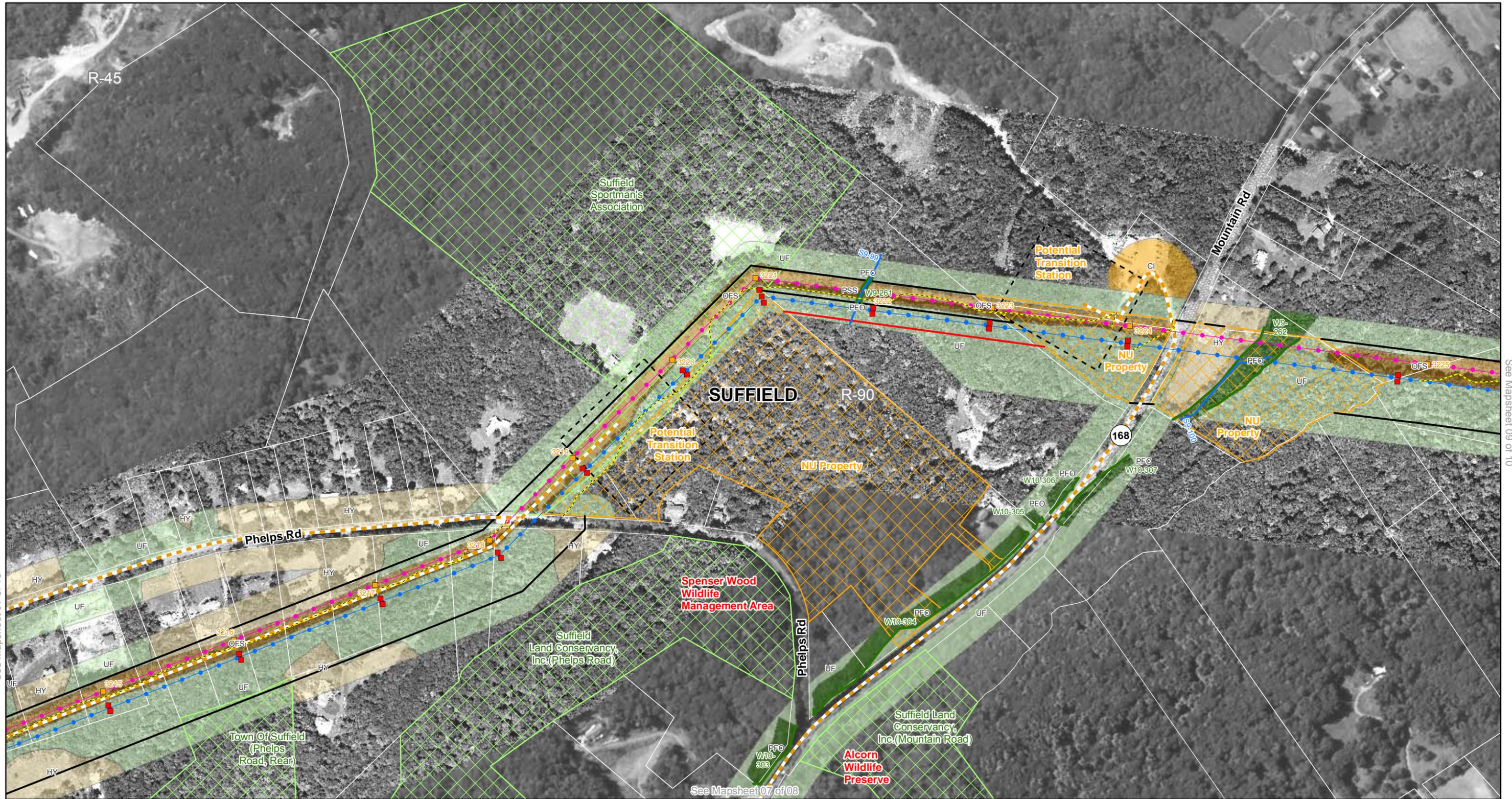
- Cuts in ridge tops for road construction and Fill material adjacent to river/stream crossings

Terrain

- Rolling hills

Roads (Aligned Within or Adjacent To)

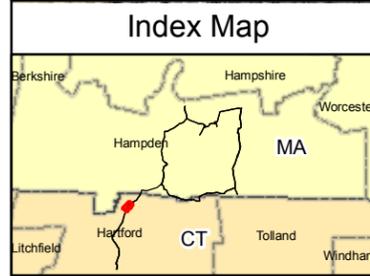
- Phelps Road, two lanes



See Mapsheet 07 of 10

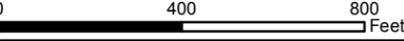
See Mapsheet 09 of 10

See Mapsheet 07 of 08



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 			

Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery



Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 3.6/4.6-Mile In-ROW Underground Line Route Variations
 Newgate Road Underground Line Route Variation
 Mapsheet 08 of 10



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

**Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
Existing Structure Locations 3226 to 3238
State Route 168/Mountain Road to Colson Street
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Open field-shrub

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, agricultural, and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Open field-shrub between structures 3226 to 3230, between structures 3231 to 3232, and between structures 3233 to 3235
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-263, W9-264, W9-265, W9-266
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-101, S9-102

Potential Access

- Structures 3226-3233 can be accessed from North Stone Street
- Structures 3234-3238 can be accessed from North Stone Street and/or Colson Street

Right-of-Way Vegetation

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

Terrain

- Steep, descending slope between structures 3225 to 3230
- Hilly to flat between structures 3230 to 3238

Existing Right-of-Way Width

- 305 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

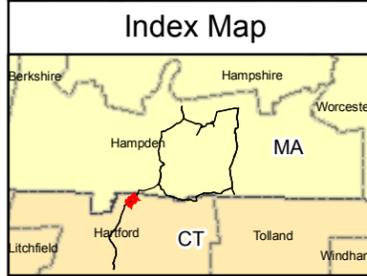
- 80-110 feet

Road/Major Utility Crossings

- North Stone Street between structures 3233 to 3234

See Mapsheet 08 of 10

See Mapsheet 10 of 10



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>	<p>Greater Springfield Reliability Project Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route</p>	

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

Mapsheets 09 of 10

Date: September 2008

MAPSHEET 10 of 10:

Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route Existing Structure Locations 3238 to 2251 Colson Street (Suffield, CT) to Barry Street (Agawam, MA) Towns of Suffield, CT and Agawam, MA

AREA DESCRIPTION

Existing Land Use

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

Future Land Use

- Town of Suffield
 - Zoning (current):
 - Residential (R-45 and R-90)
 - Zoning (Plan of Development):
 - Residential (R-45 and R-90)

Natural Systems

- Unnamed stream
- Mixed hardwood forests varying in age and size
- State/Federal jurisdictional wetlands
- 100 year flood zone

Visual Character

- Residential, agricultural, and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Agricultural between structures 3238 to 3239, west of structure 3242, west of and between structures 3243 to 3246, and south of and between structures 2249 to 2250
- Residential west of structures 3240-3242
- Forest adjacent to agricultural and residential

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-265, W9-266 and W9-267 [in CT] W1-1 and W1-2 [in MA]
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Emergent Wetlands, Palustrine Scrub–Shrub Wetlands
- Stream Nos. S1-1

Potential Access

- Structures 3238-3239 can be accessed from Colson Street
- Structures 3240-3247 can be accessed from Ratley Road
- Structures 2248-2251 can be accessed from Barry Street and Oakridge Drive in the Town of Agawam, MA

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 305 feet between structures 3238 to 3239 and between structures 3241 to 3247
- 100 feet at its narrowest point between structures 3239 to 3241
- 305 feet between structures 3247 to 2251

Proposed Expansion of Right-of-Way Width

- 100 feet wide for approximately 400 linear feet east of Ratley Road

Existing Cleared/Maintained Right-of-Way Width

- 25-100 feet

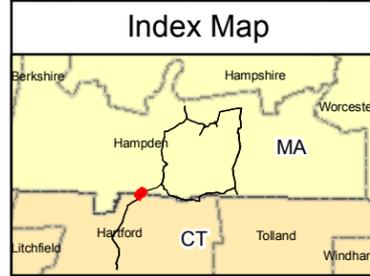
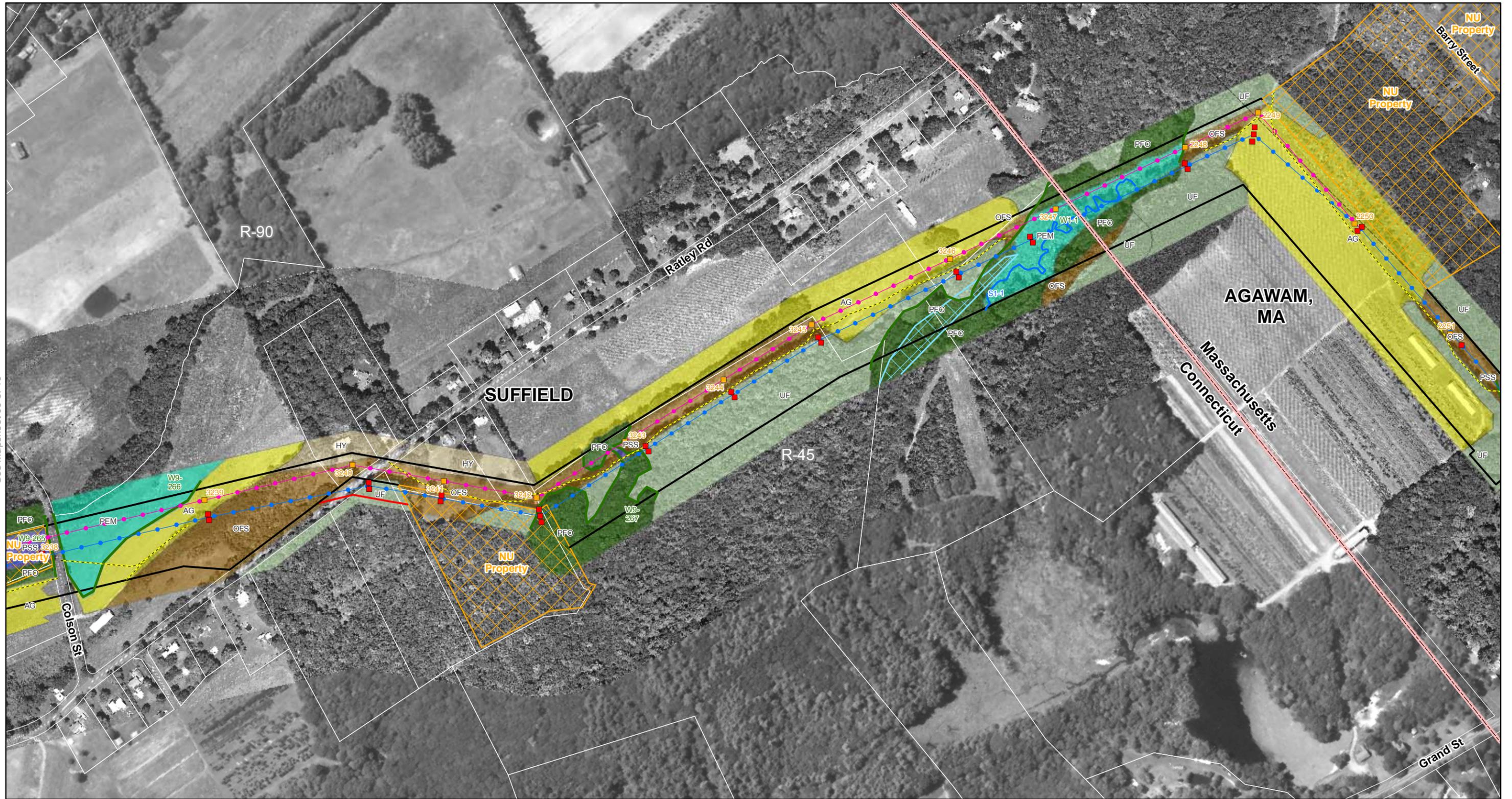
Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

Road/Major Utility Crossings

- Ratley Road between structures 3240 to 3241
- Colson Road between structures 3238 to 3239

See Mapsheet 09 of 10



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp

<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property

Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	
<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>	

Greater Springfield Reliability Project
 Connecticut Portion of the North
 Bloomfield to Agawam 345-kV Line Route
 Mapsheet 10 of 10

Connecticut Light & Power
 The Northeast Utilities System

 Date: September 2008

MAPSHEET 1 of 8:

Newgate Road and State Route 168/187 Underground Line Route Variations Granby Junction to Horseshoe Drive Town of East Granby, CT

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Designated open space

Future Land Use

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

Natural Systems

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

Visual Character

- Residential and agricultural

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Agricultural
- Designated open space

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-268, W10-269, W10-270, W10-271, W10-272, W10-273, W10-274, W10-275
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-103, S10-104, S10-105, S10-106, S10-107

Vegetation

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

Existing Ledge, Cut and Fill

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

Terrain

- Broad, rolling hills

Roads (Aligned Within or Adjacent To)

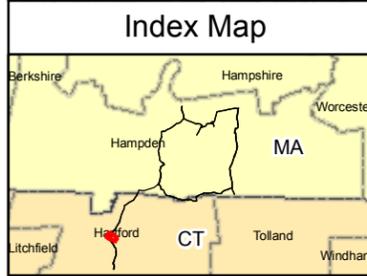
- State Route 20/Turkey Hills Road, two lanes

Note: The Overhead Route description can be found on Mapsheets 4 and 5 of 10, Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route



GRANBY
R30

See Mapsheet 04 of 10



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>		

Greater Springfield Reliability Project
 Newgate Road and State Route 168/187
 Underground Line Route Variations
 Mapsheet 01 of 08



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

**Newgate Road and State Route 168/187 Underground Line Route Variations
Horseshoe Drive to Center Street
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Designated open space
- Residential
- Public/Community facility (Carl Allgrove Elementary School)
- Conservation (Newgate Wildlife Management Area managed by the CT DEP)

Future Land Use

- Zoning (current):
 - Residential (R-20, R-30, and R-40)
 - Agricultural (A)
 - Quarry (Q)
 - Industrial (I)
 - Business (B)
 - Professional (P)
- Zoning (Plan of Development):
 - Residential development (PRD)

Natural Systems

- Open water (ponds)
- Creamery Brook
- Mixed hardwood and evergreen forest varying in size and age
- State/Federal jurisdictional wetlands

Visual Character

- Forest and residential

**UNDERGROUND ROUTE DESCRIPTION (State Route 168/187
Underground Line Route Variation)**

Land Use

- Public/Community facility (Carl Allgrove Elementary School)
- Residential
- Designated open space

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-275, W10-276, W10-277, W10-278, W10-279, W10-280, W10-281, W10-282, W10-283, W10-284, W10-285, W10-286, W10-287
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-108, S10-109, S10-110 and S10-111 (Creamery Brook)

UNDERGROUND ROUTE DESCRIPTION (Cont.)

Vegetation

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

Ledge, Cut, and Fill

- Shallow to bedrock soil east of Holcomb Street and Newgate Road intersection
- Shallow to bedrock soils east of Old Road and State Route 20/Turkey Hills Road intersection
- Ledge outcrops east of Hillcrest Road and State Route 20/Turkey Hills Road intersection, north and south off of State Route 20/Turkey Hills Road
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

Terrain

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

Roads (Aligned Within or Adjacent To)

- State Route 20/Turkey Hills Road, two lanes

**UNDERGROUND ROUTE DESCRIPTION (Newgate Road
Underground Line Route Variation)**

Land Use

- Agricultural
- Residential
- Designated open space

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-275, W10-276
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-108, S10-109

Vegetation

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

Ledge, Cut, and Fill

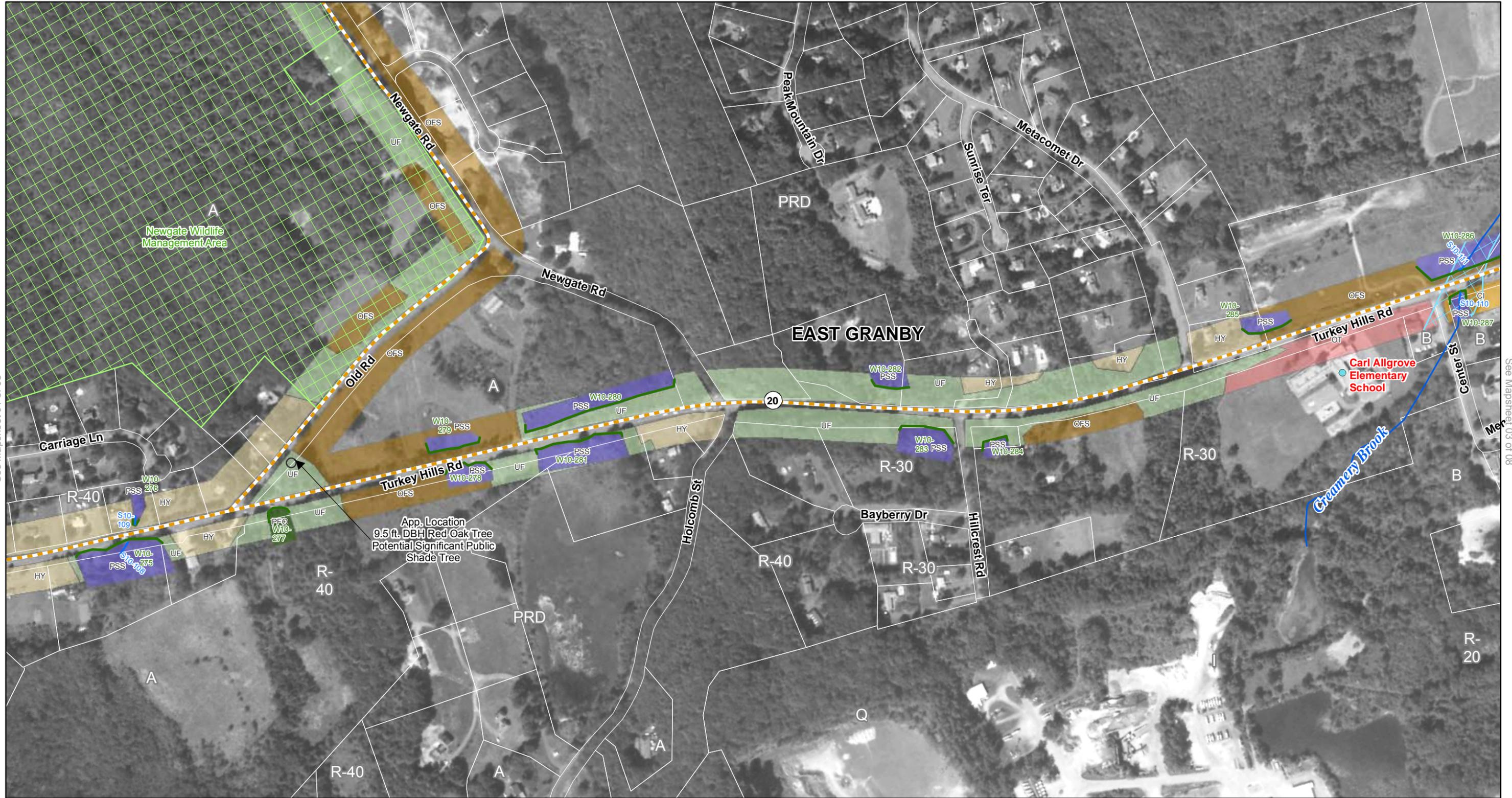
- Shallow to bedrock soils east of Old Road and State Route 20/Turkey Hills Road intersection
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

Terrain

- Rolling hills

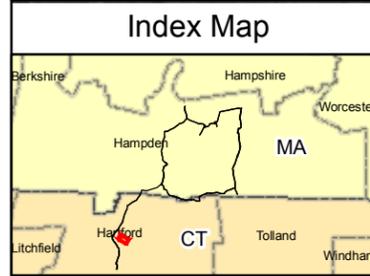
Roads (Aligned Within or Adjacent To)

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



See Mapsheet 01 of 08

See Mapsheet 03 of 08



- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Electric Transmission Routes**
- 345-kV Overhead Preferred Route
- 345-kV Overhead Southern Route Alternative
- 345-kV Underground Variation
- Existing 115-kV Line
- Existing 345-kV Line
- Relocated 345-kV Line
- Potential Transition Station
- Existing Structure
- Proposed Structure
- Statutory Facilities**
- Daycare
- Playground
- School
- Youth Camp

- 100 Year Flood Zone
- Property Line
- Town/State Boundary
- Wetland Boundary
- Watercourse
- Potential Access Road
- Northeast Utilities Property

- Land Use/Vegetative Cover Type Classes**
- Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub - Shrub Wetland (PSS)
 - Open Field-Shrub Land (OFS)
 - Commerical/Industrial (CI)
 - CT Protected/Open Space
 - Agricultural (AG)
 - Other (OT)
 - Open Water (OW)
 - House/Yard (HY)
 - Upland Forest (UF)
- Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery
- Scale: 1:4,800
- 0 400 800 Feet

Greater Springfield Reliability Project
Newgate Road and State Route 168/187
Underground Line Route Variations

Mapsheets 02 of 08



Connecticut Light & Power
The Northeast Utilities System

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Date: September 2008

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

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial
- Public/Community facility (East Granby Congregational Nursery School and East Granby Farms Recreation Area)
- Agricultural
- East Granby Cemetery
- Designated open space
- East Granby Historic District and local historic sites

Future Land Use

- Zoning (current):
 - Residential (R-30 and R-40)
 - Agricultural (A)
 - Elderly Housing (EH)
 - Professional (P)
 - Multi-family designed residence (MFDR)
 - Business (B)
- Zoning (Plan of Development):
 - Residential development (PRD)

Natural Systems

- Creamery Brook
- Sanborn Brook and associated tributaries
- Mixed hardwood and evergreen forest varying in size and age
- State/Federal jurisdictional wetlands
- 100 year flood zone

Visual Character

- Forest, agricultural, commercial and residential

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Commercial
- Public/Community facility (East Granby Congregational Nursery School and East Granby Farms Recreation Area)
- East Granby Historic District and local historic sites

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-286, W10-287, W10-288, W10-289, W10-290, W10-291
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-110, S10-111, S10-112 and S10-113 (Creamery Brook), S10-114

Vegetation

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

Existing Ledge, Cut and Fill

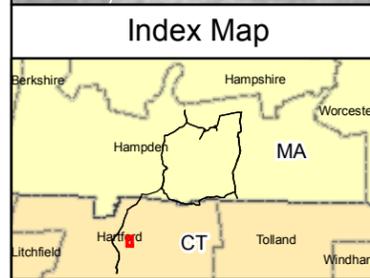
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

Terrain

- Broad, gentle slopes

Roads (Aligned Within or Adjacent To)

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



- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Electric Transmission Routes**
- 345-kV Overhead Preferred Route
- 345-kV Overhead Southern Route Alternative
- 345-kV Underground Variation
- Existing 115-kV Line
- Existing 345-kV Line
- Relocated 345-kV Line
- Potential Transition Station
- Existing Structure
- Proposed Structure
- Statutory Facilities**
- Daycare
- Playground
- School
- Youth Camp

- 100 Year Flood Zone
- Property Line
- Town/State Boundary
- Wetland Boundary
- Watercourse
- Potential Access Road
- Northeast Utilities Property

- Land Use/Vegetative Cover Type Classes**
- Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub - Shrub Wetland (PSS)
 - Open Field-Shrub Land (OFS)
 - Commercial/Industrial (CI)
 - CT Protected/Open Space
 - Agricultural (AG)
 - Other (OT)
 - Open Water (OW)
 - House/Yard (HY)
 - Upland Forest (UF)
- Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery
- 0 400 800 Feet

Greater Springfield Reliability Project
State Route 168/187
Underground Line Route Variation

1:4,800

Mapsheets 03 of 08

ENSR | AECOM

Date: September 2008

MAPSHEET 4 of 8:

State Route 168/187 Underground Line Route Variation High Farm Road to Sheldon Street Towns of East Granby and Suffield, CT

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- East Granby Historic District and local historic sites

Future Land Use

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

Natural Systems

- Austin Brook
- Stony Brook
- Mixed hardwood and evergreen forest varying in size and age
- State/Federal jurisdictional wetlands/100 year flood zone

Visual Character

- Residential, agricultural and forest

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Agricultural
- Residential
- East Granby Historic District and local historic sites

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-291, W10-292, W10-293, W10-294
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-115 and S10-116 (Austin Brook)

Vegetation

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

Existing Ledge, Cut, and Fill

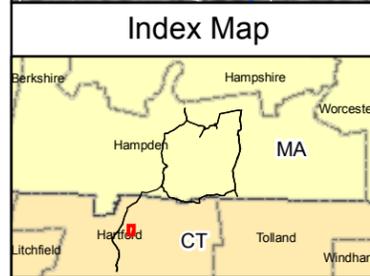
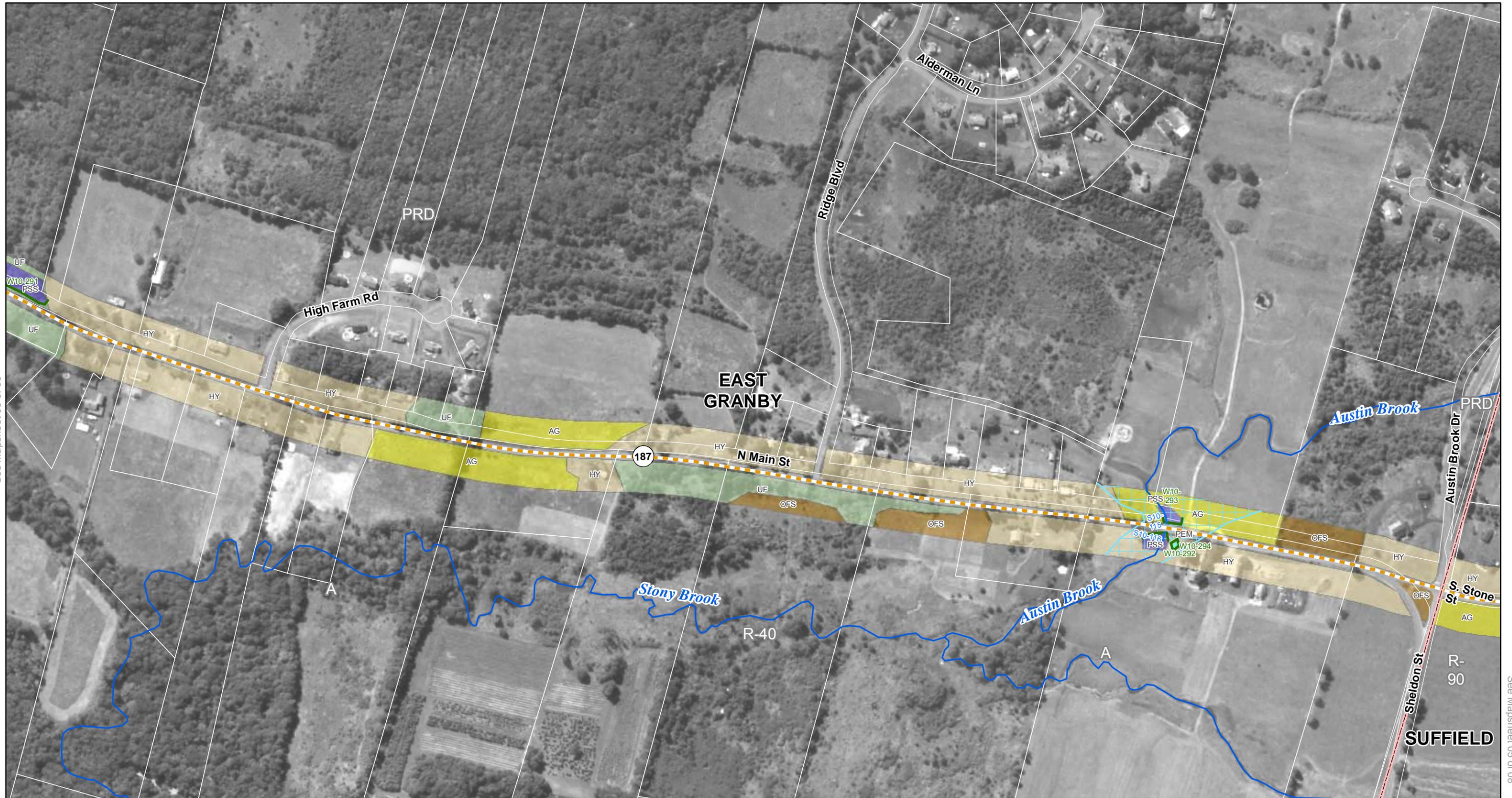
- Ledge west of underground route (approximately 770 feet north of Ridge Blvd) and adjacent to State Route 187/North Main Street
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

Terrain

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

Roads (Aligned Within or Adjacent To)

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



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp

<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property

Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	
<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>	

Greater Springfield Reliability Project
State Route 168/187
Underground Line Route Variation
 Mapsheet 04 of 08

Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

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

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Recreational (Sunrise Park managed by Town of Suffield)
- Preserved Farm Land (Town of Suffield)

Future Land Use

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

Natural Systems

- Austin Brook
- Stony Brook
- Rocky Gutter Brook
- State/Federal jurisdictional wetlands

Visual Character

- Residential, agricultural and forest

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Agricultural
- Preserved Farm Land (Town of Suffield)
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-295, W10-296, W10-297, W10-298, W10-299, W10-300
- Wetland Cover Type – Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-117, S10-118

Vegetation

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

Existing Ledge, Cut, and Fill

- Shallow to bedrock soils extending approximately 1,500 feet along South Stone Street southward from Mountain Road and South Stone Street intersection
- Rock outcrops east off of South Stone Street approximately 500 feet south of Mountain Road and South Stone Street intersection
- Fill material adjacent to river/stream crossings

Terrain

- Broad, rolling hills

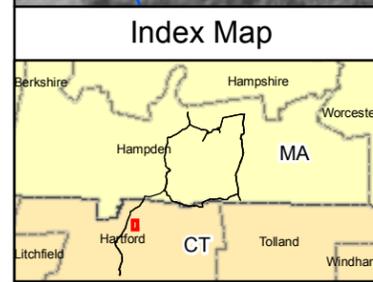
Roads (Aligned Within or Adjacent To)

- South Stone Street, two lanes
- State Route 168/Mountain Road, two lanes



See Mapsheet 04 of 08

See Mapsheet 06 of 08



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
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Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery

Greater Springfield Reliability Project
 State Route 168/187
 Underground Line Route Variation
 Mapsheet 05 of 08

Connecticut Light & Power
 The Northeast Utilities System

ENSR | AECOM
 Date: September 2008

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

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Conservation (Hugh M Alcorn and Howard Well Alcorn Wildlife Preserves, Spenser Wood Wildlife Management Area, Dildilian and Harmon Wood lots, and Root-Colson and Prekop Properties managed by the Suffield Lane Conservancy, Inc)

Future Land Use

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

Natural Systems

- Whites Pond
- Mixed hardwood and evergreen forest varying in size and age
- State/Federal jurisdictional wetlands

Visual Character

- Residential, agricultural and forest

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Agricultural
- Conservation

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-295, W10-296, W10-297, W10-298, W10-299, W10-300, W10-301, W10-302, W10-303, W10-304
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S10-117, S10-118
- Whites Pond

Vegetation

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

Existing Ledge, Cut, and Fill

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

Terrain

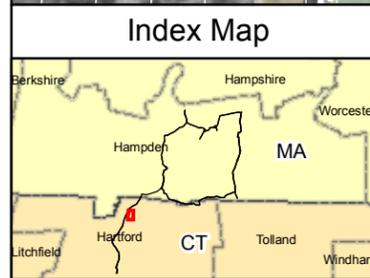
- Flat to rolling hills

Roads (Aligned Within or Adjacent To)

- State Route 168/Mountain Road, two lanes



See Mapsheet 07 of 08



- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Electric Transmission Routes**
- 345-kV Overhead Preferred Route
- 345-kV Overhead Southern Route Alternative
- 345-kV Underground Variation
- Existing 115-kV Line
- Existing 345-kV Line
- Relocated 345-kV Line
- Potential Transition Station
- Existing Structure
- Proposed Structure
- Statutory Facilities**
- Daycare
- Playground
- School
- Youth Camp

- 100 Year Flood Zone
- Property Line
- Town/State Boundary
- Wetland Boundary
- Watercourse
- Potential Access Road
- Northeast Utilities Property

- Land Use/Vegetative Cover Type Classes**
- Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub - Shrub Wetland (PSS)
 - Open Field-Shrub Land (OFS)
 - Commercial/Industrial (CI)
 - CT Protected/Open Space
 - Agricultural (AG)
 - Other (OT)
 - Open Water (OW)
 - House/Yard (HY)
 - Upland Forest (UF)
- 1:4,800
- Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery
- 0 400 800 Feet

Greater Springfield Reliability Project
State Route 168/187
Underground Line Route Variation

Mapsheets 06 of 08


Connecticut Light & Power
 The Northeast Utilities System




Date: September 2008

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

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Recreational
- Conservation (Spenser Wood Wildlife Management Area, and Hugh M Alcorn and Howard Well Alcorn Wildlife Preserves managed by Suffield Land Conservancy, Inc)

Future Land Use

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

Natural Systems

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

Visual Character

- Agricultural, residential and forest

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Conservation
- Agricultural

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W10-302, W10-303, W10-304, W10-305, W10-306, W10-307
- Wetland Cover Types – Palustrine Forested Wetlands

Vegetation

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

Existing Ledge, Cut, and Fill

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

Terrain

- Steep to rolling hills

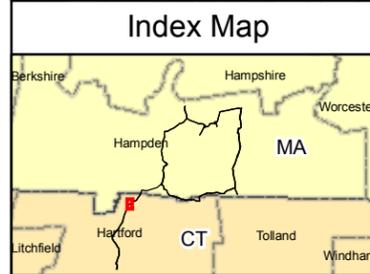
Roads (Aligned Within or Adjacent To)

- State Route 168/Mountain Road, two lanes



See Mapsheet 06 of 08

See Mapsheet 09 of 10



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp 			

Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery



Greater Springfield Reliability Project
State Route 168/187
Underground Line Route Variation

Mapsheets 07 of 08



Date: September 2008

**Newgate Road Underground Line Route Variation
Valley View Drive to Woodledge Drive
Town of East Granby, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Recreational
- Conservation (Newgate Wildlife Management Area and Boy Scout Camp managed by the CT DEP)
- Old Newgate Prison, Mine and Museum Historic Site and Viets' Tavern Historic Site

Future Land Use

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

Natural Systems

- Newgate Pond
- CT DEP area(s) of concern for protecting species and natural communities
- State/Federal jurisdictional wetlands

Visual Character

- Agricultural, residential and forest

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Agricultural
- Conservation
- Two historic sites

Wetlands, Watercourses and Waterbodies

- Stream Nos. S11-119, S11-120

Vegetation

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

Existing Ledge, Cut, and Fill

- Shallow to bedrock soils along Newgate Road, ledge anticipated south and north of Newgate Prison
- Cuts in ridge tops for road construction
- Fill material adjacent to river/stream crossings

Terrain

- Hilly to steep

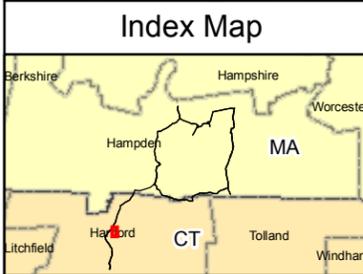
Road (Aligned Within or Adjacent To)

- Newgate Road, two lanes



See Mapsheet 02 of 08

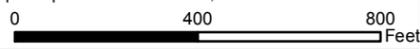
See Mapsheet 06 of 10



- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Electric Transmission Routes**
- 345-kV Overhead Preferred Route
- 345-kV Overhead Southern Route Alternative
- 345-kV Underground Variation
- Existing 115-kV Line
- Existing 345-kV Line
- Relocated 345-kV Line
- Potential Transition Station
- Existing Structure
- Proposed Structure
- Statutory Facilities**
- Daycare
- Playground
- School
- Youth Camp

- 100 Year Flood Zone
- Property Line
- Town/State Boundary
- Wetland Boundary
- Watercourse
- Potential Access Road
- Northeast Utilities Property

- Land Use/Vegetative Cover Type Classes**
- Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub - Shrub Wetland (PSS)
 - Open Field-Shrub Land (OFS)
 - Commerical/Industrial (CI)
 - CT Protected/Open Space
 - Agricultural (AG)
 - Other (OT)
 - Open Water (OW)
 - House/Yard (HY)
 - Upland Forest (UF)
- 1:4,800
- Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery



Greater Springfield Reliability Project
Newgate Road
Underground Line Route Variation

Mapsheet 08 of 08



Date: September 2008

MAPSHEET 1 of 5:

Connecticut Portion of the Massachusetts Southern Route Alternative Existing Structure Locations 22009 to 22019 State Route 75/Suffield Street to State Route 159/Mapleton Avenue Towns of Suffield, CT and Agawam, MA

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Open field-shrub

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, agricultural and commercial

RIGHT-OF-WAY DESCRIPTION

Land Use

- Agricultural adjacent to and between structures 22012 to 22013 and between structures 22016 to 22019
- Residential west of structure 22010
- Upland forest adjacent to agricultural and residential

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-139, W8-140, W8-141, W8-142, W8-143, W8-144, W8-145
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Emergent Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S8-55 (Worthington Brook), S8-56 (Fourmile Brook)

Potential Access

- Structures 22009 to 22014 can be accessed using Andover Drive and State Route 75/Suffield Street
- Structures 22015 to 22019 can be accessed using local access roads from State Route 159/Mapleton Avenue

Right-of-Way Vegetation

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

Terrain

- Hilly to flat

Existing Right-of-Way Width

- 300 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

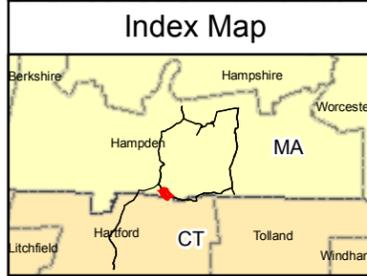
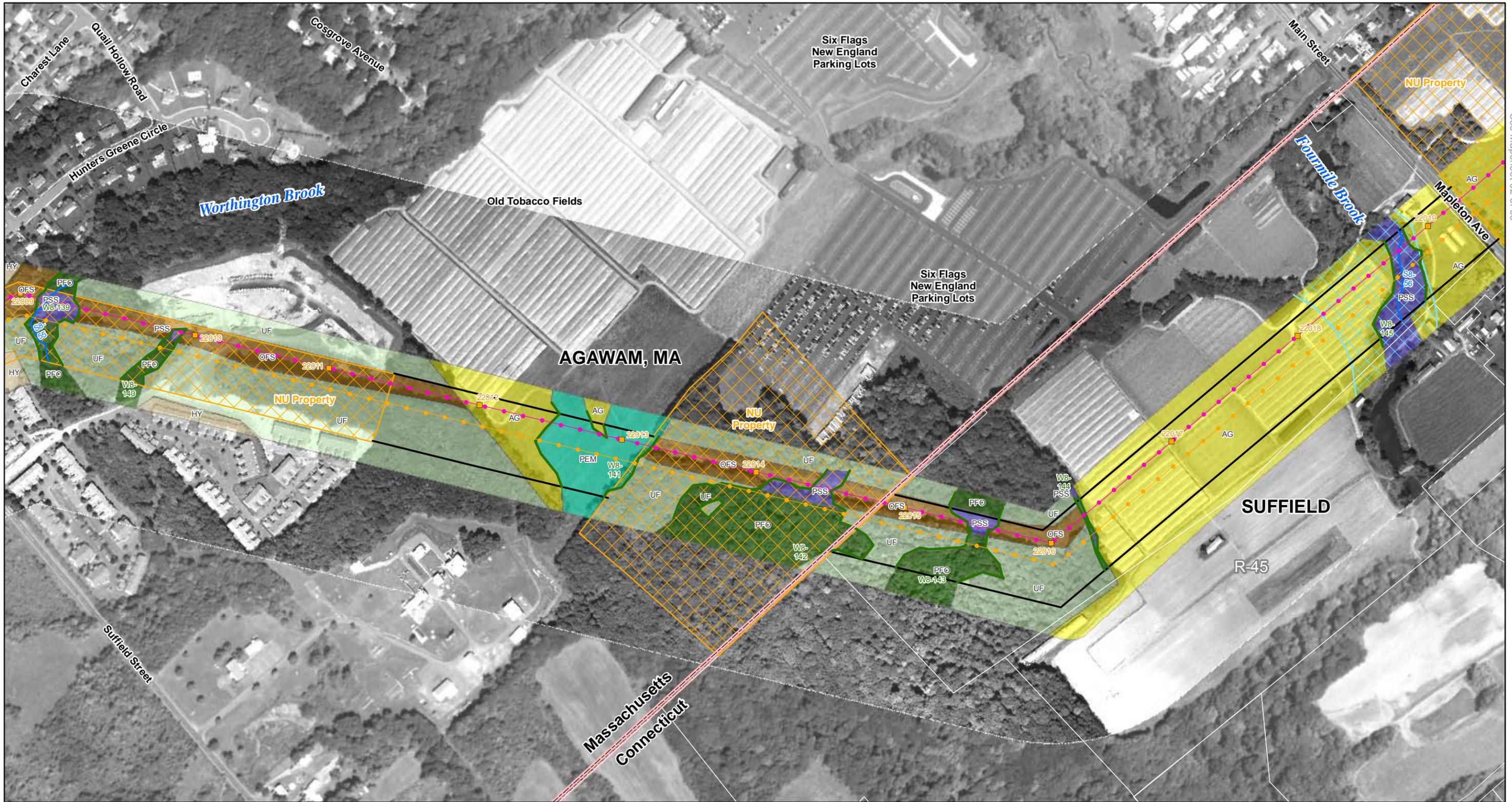
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

Road/Major Utility Crossings

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



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line
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Greater Springfield Reliability Project
Massachusetts
Southern Route Alternative

1:4,800

0 400 800 Feet

Mapsheets 01 of 05

Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

**Connecticut Portion of the Massachusetts Southern Route Alternative
Existing Structure Locations 22019 to 22024
State Route 159/Mapleton Avenue to Sword Avenue
Towns of Suffield and Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Town of Suffield
 - Agricultural
 - Residential
 - Open field-shrub
- Town of Enfield
 - Forested
 - Residential
 - Open field-shrub

Future Land Use

- Town of Suffield
 - Zoning (current):
 - Residential (R-90)
 - Zoning (planned):
 - Residential (R-90)
- Town of Enfield
 - Zoning (current):
 - Historic residential (HR-33)

Natural Systems

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

Visual Character

- Agricultural, residential, and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Agricultural adjacent to and between structures 22019 to 22021
- Residential land use northeast of structure 22024
- Upland forest adjacent to agricultural and residential

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-146 , W8-147, W8-148, W8-148A, W8-148B, W8-149, W8-150 [Common Reed (*Phragmites australis*) prevalent within wetland], W8-151
- Wetland Cover Types- Palustrine Forested Wetlands, Palustrine Emergent Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S8-57, S8-58 and S8-58A (Connecticut River), S8-59
- Open Water

Potential Access

- Structures 22019 to 22021 can be accessed from State Route 159/Mapleton Avenue
- Structures 22022 to 22024 can be reached using local, residential streets

Right-of-Way Vegetation

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

Terrain

- Flat between structures 22019 to 22021, 22022 to 22023, and 22024 to 22025
- Moderate to steep slopes adjacent to structures 22021, 22022, 22023, and 22024

Existing Right-of-Way Width

- 300 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

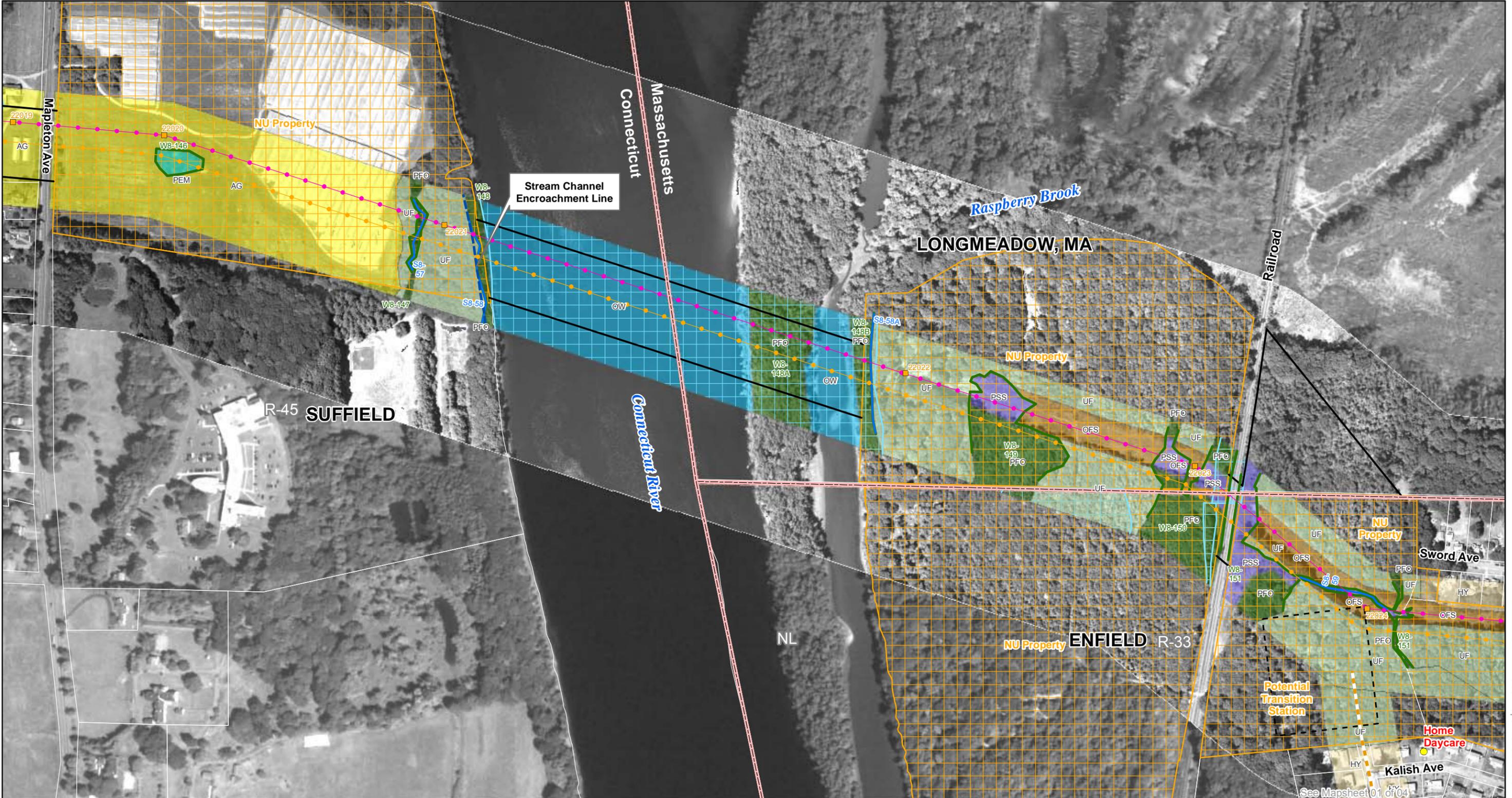
Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

Road/Major Utility Crossings

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

Note: The underground line variation description can be found on Mapsheet 1 of 4, Connecticut Portion of the Massachusetts Southern Route Alternative Underground Line Variation



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>0 400 800 Feet</p>		

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

Mapsheets 02 of 05



Date: September 2008

**Connecticut Portion of the Massachusetts Southern Route Alternative
Existing Structure Locations 22025 to 22035
Sword Avenue to Booth Road
Town of Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial/Industrial
- Conservation (Brainard Memorial Park managed by the Town of Enfield)
- Open field-shrub

Future Land Use

- Zoning (current):
 - Business Regional (BR)
 - Historic residential (HR-33)
 - Business Professional (BP)
 - Industrial 1 (I-1)

Natural Systems

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

Visual Character

- Urban, residential and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential north of structures 22025 to 22027 and 22029 to 22030
- Commercial/Industrial north of structure 22028
- Upland forest adjacent to commercial/industrial and residential

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-151, W8-152, W8-152A [Purple loosestrife (*Lythrum salicaria*) prevalent within wetland], W8-152B, W8-152C, W8-152D
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Forested Wetlands
- Stream No S8-59A (Waterworks Brook)

Potential Access

- Structures 22025 to 22027 can be reached using access roads from local, residential streets
- Structures 22028 to 22035 can be reached using access roads from Booth Road

Right-of-Way Vegetation

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

Terrain

- Flat to hilly between structures 22025 to 22035

Existing Right-of-Way Width

- 300 feet between structures 22025 to 22027
- 280 feet between structures 22027 to 22035

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

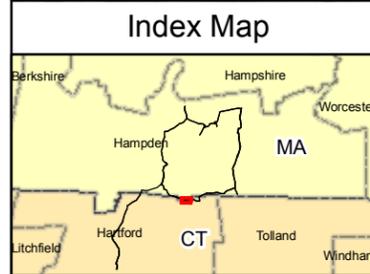
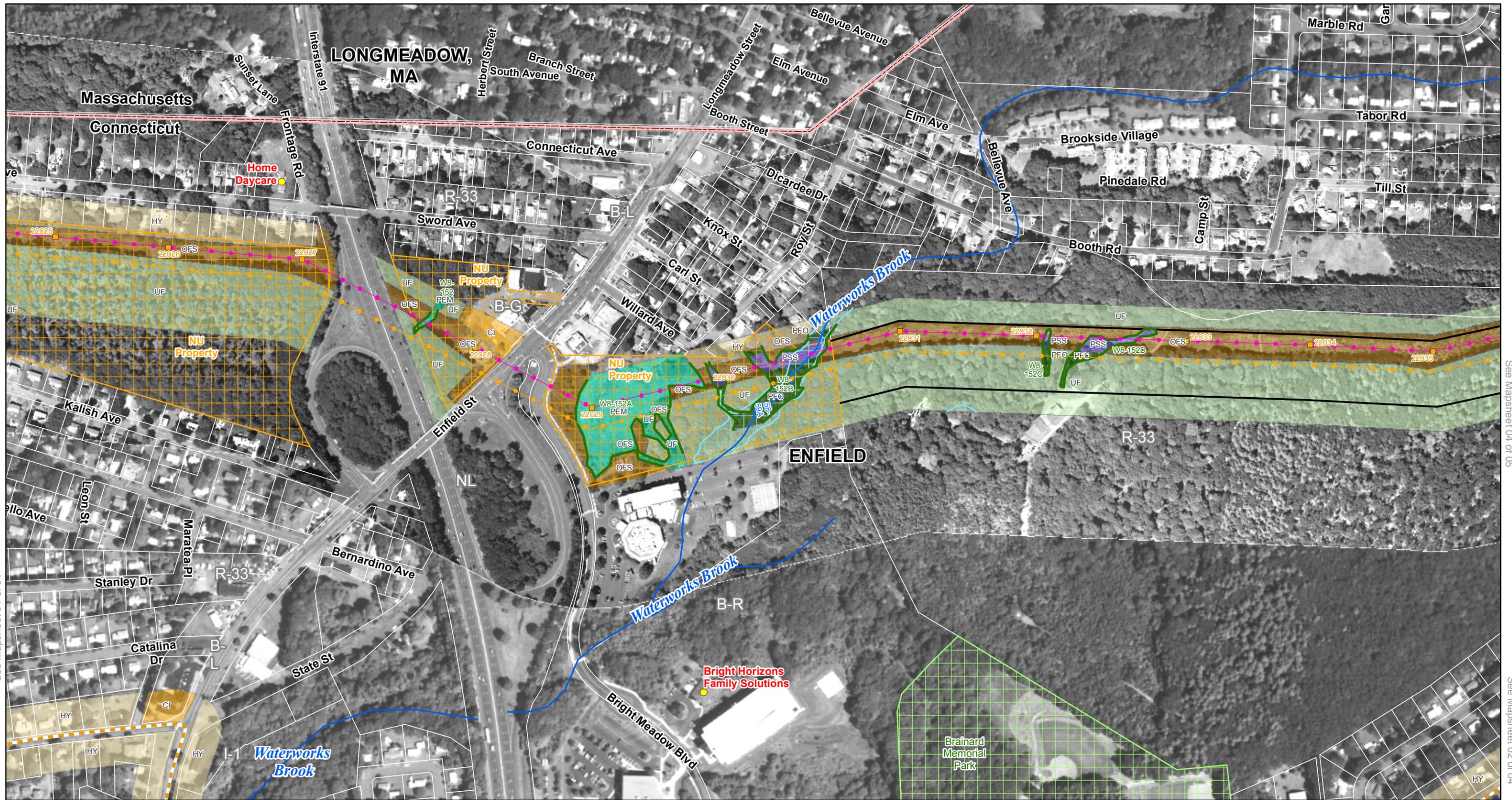
Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

Road/Major Utility Crossings

- US Interstate 91 between structures 22027 to 22028
- US Route 5 between structures 22028 to 22029
- Bright Meadow Boulevard between structures 22028 to 22029

Note: The underground line variation description can be found on Mapsheet 1 of 4, Connecticut Portion of the Massachusetts State Route 220/Enfield Underground Line Route Variation



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 345-kV Overhead Preferred Route 345-kV Overhead "Southern" Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp
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Greater Springfield Reliability Project
Massachusetts
Southern Route Alternative

1:4,800

Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery

0 400 800 Feet

The Northeast Utilities System

Date: September 2008

Greater Springfield Reliability Project
Massachusetts
Southern Route Alternative

**Connecticut Portion of the Massachusetts Southern Route Alternative
Existing Structure Locations 22036 to 22050
Booth Road to North Maple Street
Town of Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Preserved Open Space (Whitacres Park managed by the Town of Enfield)
- Open field-shrub

Future Land Use

- Zoning (current):
 - Residential 44 (R-44)
 - Historic residential (HR-33)

Natural Systems

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

Visual Character

- Forest, urban-residential and agricultural

RIGHT-OF-WAY DESCRIPTION

Land Use

- Commercial/Industrial west of structure 22048
- Residential east and southwest of and adjacent to structure 22041, northeast of structure 22042, and east and west of structures 22049 and 22050
- Upland forest adjacent to commercial/industrial and residential

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-152E, W8-152F, W8-152G, W8-152H, W8-152I, W8-152J, W8-152K, W8-152L
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands
- Open Water

Potential Access

- Structures 22036 to 22041 can be accessed using local, residential streets and Brainard Road
- Structures 22042 to 22051 can be accessed using local, residential streets, Washington Road, and Brainard Road

Right-of-Way Vegetation

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

Terrain

- Flat to hilly between all structures

Existing Right-of-Way Width

- 280 feet between structures 22036 to 22040
- 250 feet between structures 22040 to 22042
- 300 feet between structures 22042 to 22050

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

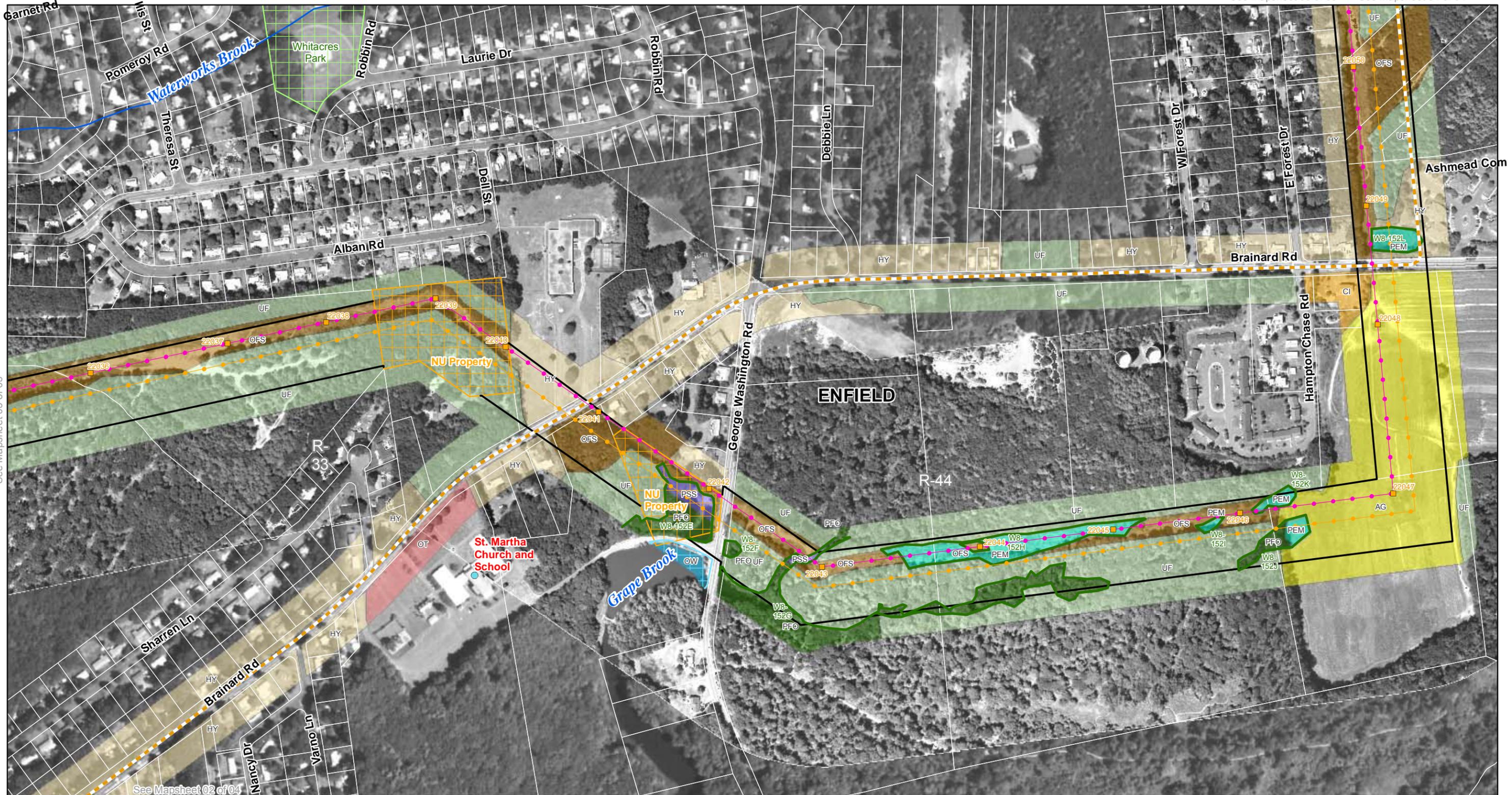
Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

Road/Major Utility Crossings

- Brainard Road between structures 22040 to 22041 and between structures 22048-22049
- George Washington Road between structures 22402 to 22043

Note: The underground line variation description can be found on Mapsheet 3 of 4, Connecticut Portion of the Massachusetts State Route 220/Enfield Underground Line Route Variation



See Mapsheet 03 of 05

See Mapsheet 02 of 04



<p>Right-of-Way (Existing)</p> <p>Right-of-Way (Expanded)</p> <p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Potential Transition Station</p> <ul style="list-style-type: none"> Existing Structure Proposed Structure <p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
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Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery

0 400 800 Feet

Greater Springfield Reliability Project
Massachusetts
Southern Route Alternative

Mapsheets 04 of 05



Date: September 2008

MAPSHEET 5 of 5:

Connecticut Portion of the Massachusetts Southern Route Alternative Existing Structure Locations 22051 to 54/47 (Franconia Junction) State Route 192/North Maple Street to CT State Line Town of Enfield, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial/Industrial
- Open field-shrub

Future Land Use

- Zoning (current):
 - Industrial 1 (I-1)
 - Residential 44 (R-44)
 - Historic residential (HR-33)
 - Business Professional (BP)
 - Business regional (BR)

Natural Systems

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

Visual Character

- Forest and residential

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential southwest of structure 22051 and north of structure 22056
- Upland forest adjacent to residential

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-153, W8-155, W8-156, W8-157 [Common reed (*Phragmites australis*) prevalent within wetland]
- Wetland Cover Type – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands

Potential Access

- Structures 22051 to 22052 can be accessed using State Route 192/North Maple Street
- Structures 22053 to 22061 can be accessed using Mayfield Drive
- Structure 54/47 can be reached using access roads from Wolf Swamp Drive

Right-of-Way Vegetation

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

Terrain

- Broad and flat between structures 22051 to 54/47

Existing Right-of-Way Width

- 300 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

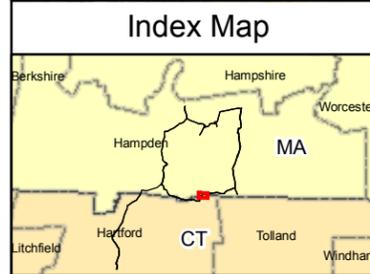
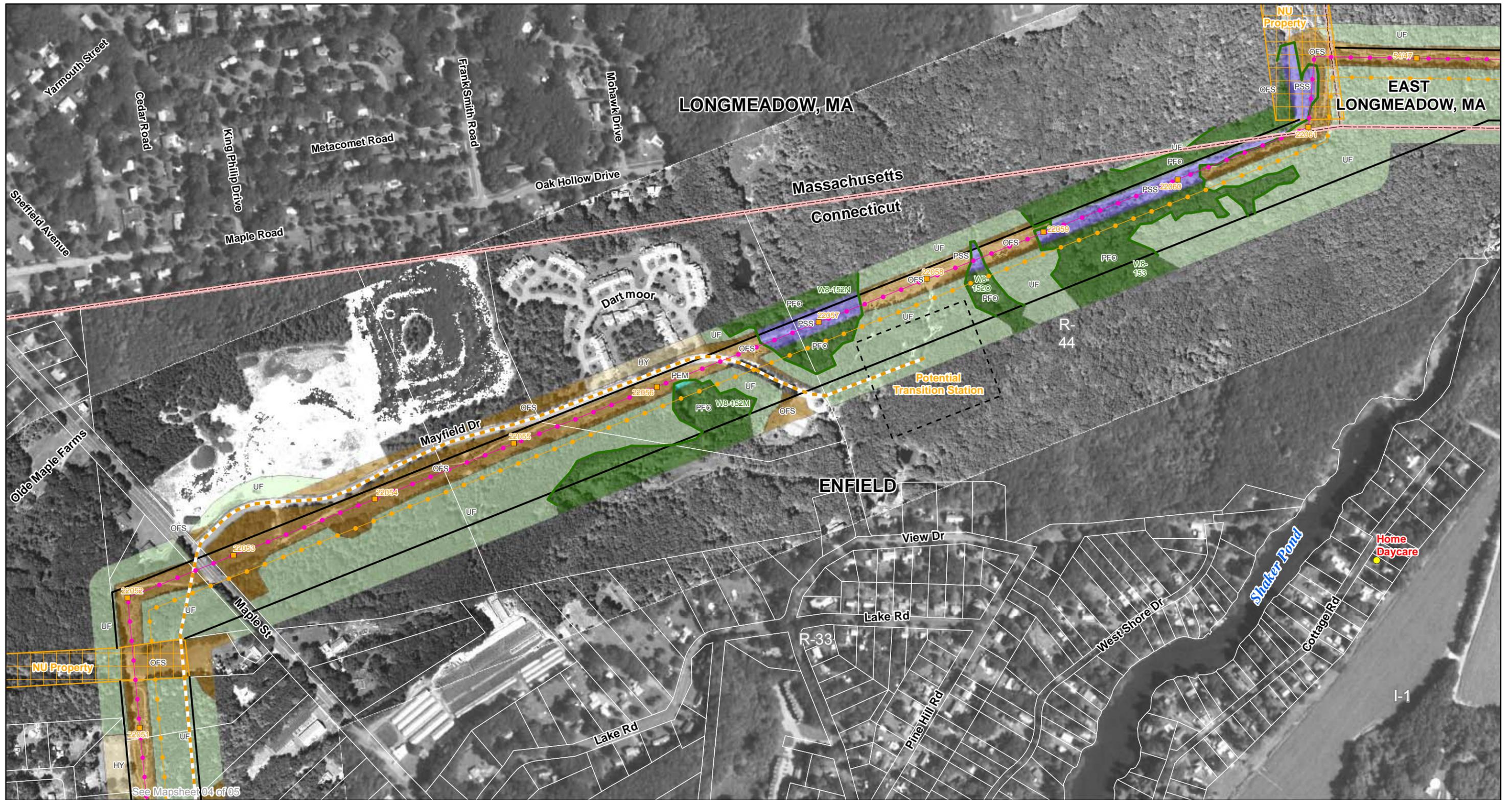
Proposed Additional Cleared Right-of-Way Width

- 25-110 feet

Road/Major Utility Crossings

- State Route 192/North Maple Street between structures 22052 and 22053
- Mayfield Drive between structures 22056 and 22057

Note: The underground line variation description can be found on Mapsheet 4 of 4, Connecticut Portion of the Massachusetts State Route 220/Enfield Underground Line Route Variation



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp

<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
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Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery

Scale: 1:4,800

0 400 800 Feet

Greater Springfield Reliability Project
 Massachusetts
 Southern Route Alternative
 Mapsheet 05 of 05



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

MAPSHEET 1 of 4:

Massachusetts State Route 220/Enfield Underground Line Route Variation Underground Line Variation Sword Avenue to US Interstate 91 Town of Enfield, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial/Industrial
- Open field-shrub
- Conservation (managed by the Town of Enfield)

Future Land Use

- Zoning (current):
 - Historic residential (HR-33)
 - Business general (BG)
 - Business regional (BR)
 - Industrial 1 (I-1)

Natural Systems

- Waterworks Brook
- 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
- 100 year flood zone

Visual Character

- Residential and commercial/industrial

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Commercial/Industrial
- Conservation

Wetlands, Watercourses and Waterbodies

- Wetland Nos.W8-151A, W8-151B
- Wetland Cover Type – Palustrine Forested Wetlands
- Stream Nos. S8-59B and S9-59C (Waterworks Brook)

Vegetation

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

Existing Ledge, Cut, and Fill

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

Terrain

- Flat to rolling hills

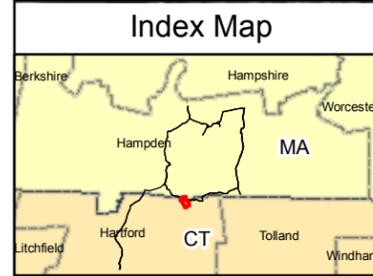
Road (Aligned Within or Adjacent To)

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

Note: The overhead route description can be found on Mapsheets 2 and 3 of 5, Connecticut Portion of the Massachusetts Southern Route Alternative



See Mapsheet 02 of 05



- Right-of-Way (Existing)
- Right-of-Way (Expanded)
- Electric Transmission Routes**
 - 345-kV Overhead Preferred Route
 - 345-kV Overhead Southern Route Alternative
 - 345-kV Underground Variation
 - Existing 115-kV Line
 - Existing 345-kV Line
 - Relocated 345-kV Line
- Potential Transition Station**
- Existing Structure
- Proposed Structure
- Statutory Facilities**
 - Daycare
 - Playground
 - School
 - Youth Camp

- 100 Year Flood Zone
- Property Line
- Town/State Boundary
- Wetland Boundary
- Watercourse
- Potential Access Road
- Northeast Utilities Property

- Land Use/Vegetative Cover Type Classes**
- Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub - Shrub Wetland (PSS)
 - Open Field-Shrub Land (OFS)
 - Commerical/Industrial (CI)
 - CT Protected/Open Space
 - Agricultural (AG)
 - Other (OT)
 - Open Water (OW)
 - House/Yard (HY)
 - Upland Forest (UF)
- Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery
- Scale: 1:4,800
- 0 400 800 Feet

Greater Springfield Reliability Project
Massachusetts
State Route 220/Enfield
Underground Line Route Variation

Mapsheet 01 of 04

Connecticut Light & Power
The Northeast Utilities System

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Date: September 2008

MAPSHEET 2 of 4:

**Connecticut Portion of the Massachusetts Southern Route Alternative
US Interstate 91 to Nancy Drive
Town of Enfield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Recreational (Brainard Memorial Park managed by the Town of Enfield)
- Public/Community (Prudence Crandall School)
- Commercial

Future Land Use

- Zoning (current):
 - Historic residential (HR-33)
 - Business regional (BR)

Natural Systems

- Mixed hardwood and evergreen forest varying in size and age

Visual Character

- Residential and commercial

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Recreational
- Public/Community
- Commercial
- Forest

Vegetation

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

Existing Ledge, Cut, and Fill

- Cuts made for road construction
- Fill material used for road construction

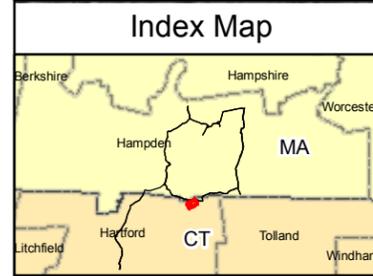
Terrain

- Flat to rolling hills

Road (Aligned Within or Adjacent To)

- Brainard Road, two lanes

Note: The overhead route description can be found on Mapsheet 3 of 5, Connecticut Portion of the Massachusetts Southern Route Alternative



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p> <p>0 400 800 Feet</p>	

Greater Springfield Reliability Project
 Massachusetts
 State Route 220/Enfield
 Underground Line Route Variation
 Mapsheet 02 of 04

Connecticut Light & Power
The Northeast Utilities System

ENSR | AECOM

Date: September 2008

MAPSHEET 3 of 4:

Massachusetts State Route 220/Enfield Underground Line Route Variation Nancy Drive to Hampton Chase Road Town of Enfield, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Commercial/Industrial
- Private/Institutional (St Martha Church and School)
- Open field-shrub

Future Land Use

- Zoning (current):
 - Historic residential (HR-33)
 - Residential (R-44)
 - Business general (BG)
 - Business regional (BR)
 - Industrial 1 (I-1)

Natural Systems

- Grape Brook
- 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
- 100 year flood zone

Visual Character

- Residential and commercial/industrial

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Residential
- Agricultural
- Commercial/Industrial
- Private/Institutional (St Martha Church and School)
- Open field-shrub

Wetlands, Watercourses and Waterbodies

- Wetland No. W8-152L (coincidental with the overhead route)
- Wetland Cover Type - Palustrine Emergent Wetland

Vegetation

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

Existing Right-of-Way Vegetation (Overhead Transmission Line)

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

Existing Ledge, Cut, and Fill

- Cuts made for road construction

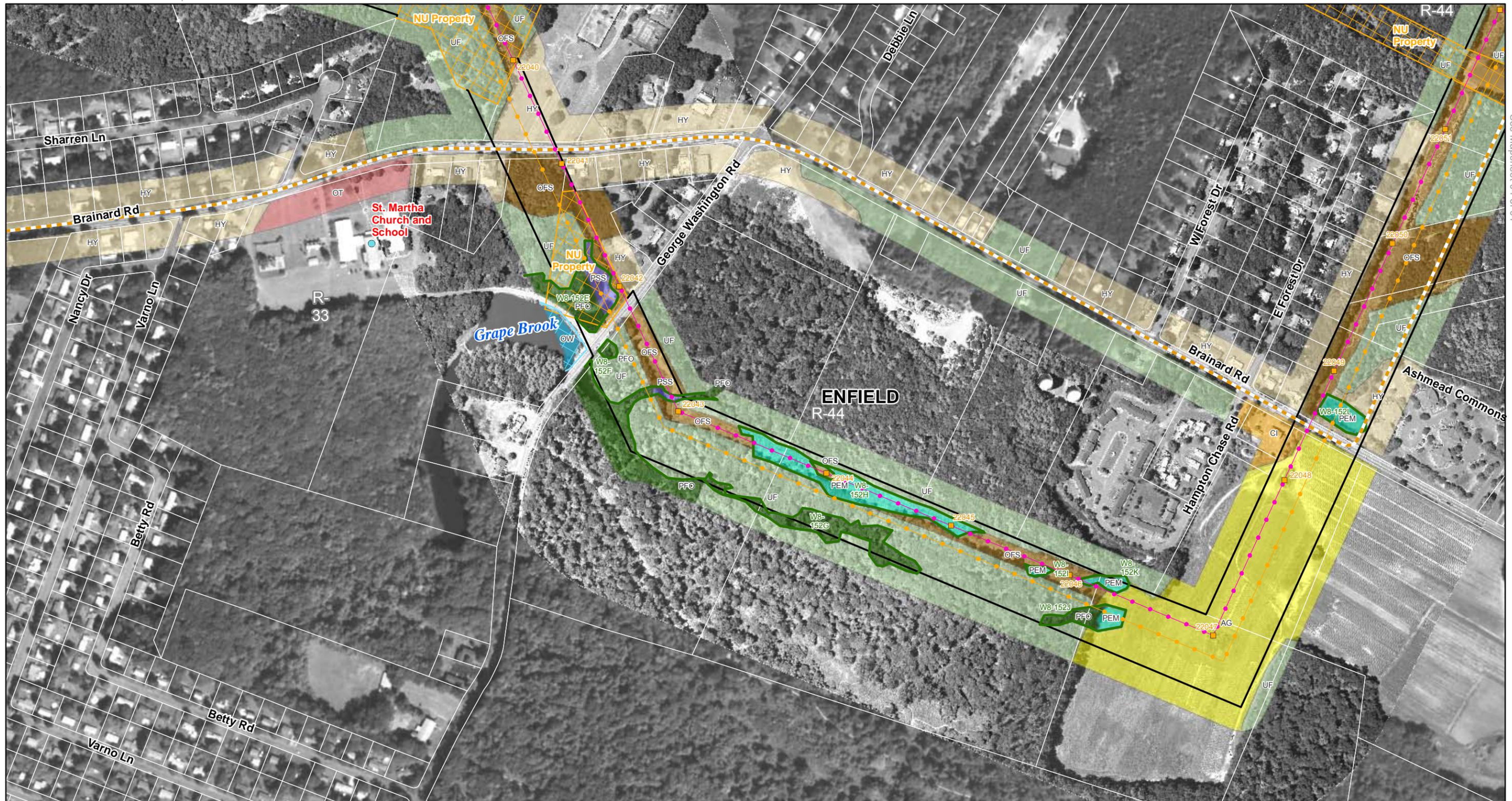
Terrain

- Broad, flat hilltops

Road (Aligned Within or Adjacent To)

- Brainard Road, two lanes

Note: The overhead route description can be found on Mapsheet 4 of 5, Connecticut Portion of the Massachusetts Southern Route Alternative



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure
Electric Transmission Routes <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	Statutory Facilities <ul style="list-style-type: none"> Daycare Playground School Youth Camp

<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property

Land Use/Vegetative Cover Type Classes	
Emergent Wetland (PEM)	Agricultural (AG)
Forested Wetland (PFO)	Other (OT)
Scrub - Shrub Wetland (PSS)	Open Water (OW)
Open Field-Shrub Land (OFS)	House/Yard (HY)
Commerical/Industrial (CI)	Upland Forest (UF)
CT Protected/Open Space	

Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery

Scale: 1:4,800

0 400 800 Feet

Greater Springfield Reliability Project
Massachusetts
State Route 220/Enfield
Underground Line Route Variation

Mapsheets 03 of 04



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

MAPSHEET 4 of 4:

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

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Commercial/Industrial
- Open field-shrub
- Forested

Future Land Use

- Zoning (current):
 - Historic residential (HR-33)
 - Residential (R-44)
 - Business general (BG)
 - Business regional (BR)
 - Industrial 1 (I-1)

Natural Systems

- Cranberry Pond
- 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

UNDERGROUND ROUTE DESCRIPTION

Land Use

- Agricultural
- Residential
- Commercial/Industrial
- Open field-shrub
- Forested

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W8-152L, W8-153, W8-155, W8-156, W8-157 (all coincidental with the overhead route)
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands, Palustrine Emergent Wetlands

Vegetation

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

Existing Right-of-Way Vegetation (Overhead Transmission Line)

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

Existing Ledge, Cut, and Fill

- Cuts made for road construction
- Fill material used in low lying depressions

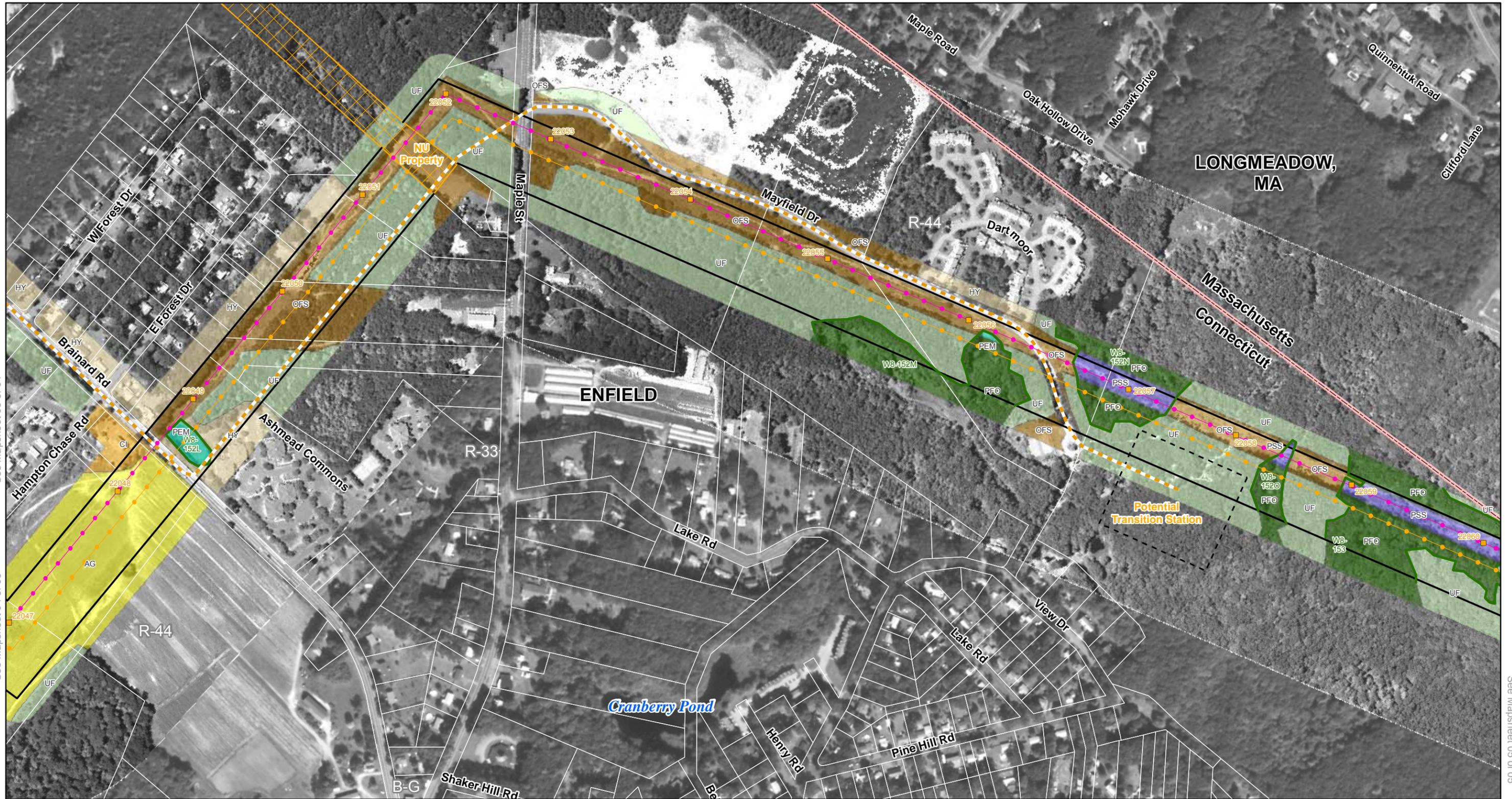
Terrain

- Broad, flat terrain

Road (Aligned Within or Adjacent To)

- Brainard Road, two lanes
- Mayfield Drive, two lanes

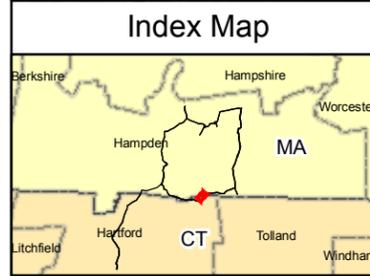
Note: The overhead route description can be found on Mapsheet 5 of 5, Connecticut Portion of the Massachusetts Southern Route Alternative



See Mapsheet 03 of 04

See Mapsheet 04 of 05

See Mapsheet 05 of 05



<ul style="list-style-type: none"> Right-of-Way (Existing) Right-of-Way (Expanded) 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF) 	<p>1:4,800</p> <p>0 400 800 Feet</p>
<p>Electric Transmission Routes</p> <ul style="list-style-type: none"> 345-kV Overhead Preferred Route 345-kV Overhead Southern Route Alternative 345-kV Underground Variation Existing 115-kV Line Existing 345-kV Line Relocated 345-kV Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> Daycare Playground School Youth Camp 	<p>Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery</p>	<p>Map Scale: 1:4,800</p>	<p>Scale: 0, 400, 800 Feet</p>

Greater Springfield Reliability Project
Massachusetts
State Route 220/Enfield
Underground Line Route Variation

 Mapsheet 04 of 04



Connecticut Light & Power
The Northeast Utilities System



Date: September 2008

MAPSHEET 1 of 3:

Manchester to Meekville Junction Circuit Separation Project Manchester Substation to Existing Structure 20011 Olcott Street to Middle Turnpike/U.S. Route 6 Town of Manchester, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial
- Industrial
- Municipal
- School

Future Land Use

- Zoning (current):
 - Business 2 (B2)
 - General Business (GB)
 - Industrial (IND)
 - Planned Residential Development (PRD)
 - Residence AA (aa)
 - Residence A (RA)
 - Residence B (RB)
 - Residence C (RC)
 - Rural Residence (RR)

Natural Systems

- Hockanum River & 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

- Landfill adjacent to structures 20004 and 20005
- Ballfield adjacent to structure 20005
- School adjacent to structures 20009 to 20011
- Water Treatment Plant adjacent to structures 20006 and 20007
- Forest and wetlands

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-500 through W15-507
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Open Water
- Stream Nos. S15-200 through S15-203 (South Fork Hockanum River), S15-204 and S15-205 (Hockanum River)

Potential Access

- Structures 20001-20005 can be accessed from Olcott Rd
- Structures 20006-20007 can be accessed from Thrall Rd
- Structures 20008-20011 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)
- Open Field-Shrub Land

Terrain

- Broad and flat

Existing Right-of-Way Width

- 350 feet between structures 20001 to 20006 and between structures 20009 to 20011
- 820 feet at the widest point between structures 20006 to 20008

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

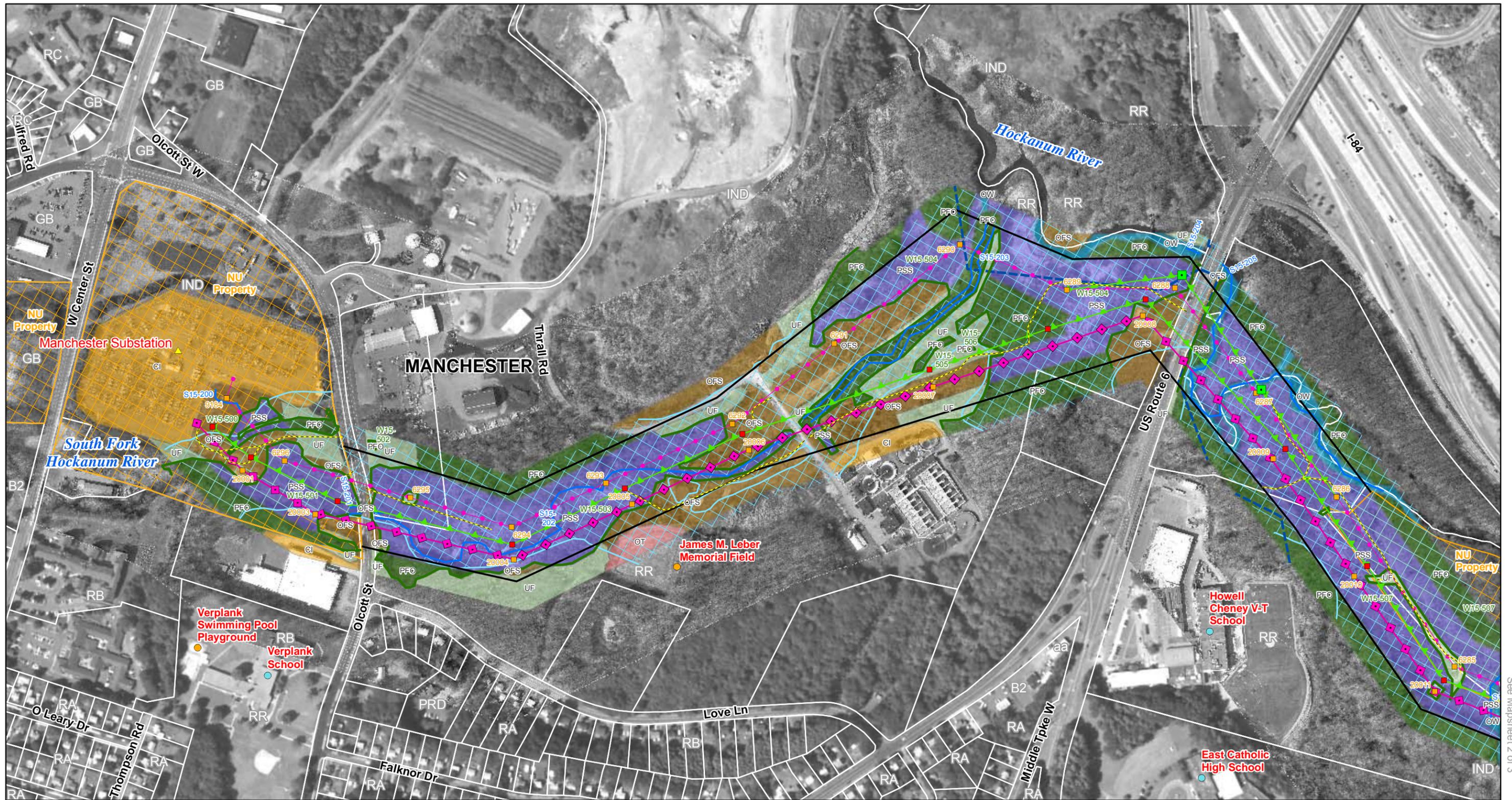
- 200-400 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road/Major Utility Crossings

- Olcott Street between structures 20002 to 20003
- Thrall Road between structures 20006 to 20007
- Middle Turnpike/U.S. Route 6 between structures 20008 to 20009



<ul style="list-style-type: none"> Substation Junction Right-of-Way (Existing) Right-of-Way (Expanded) Electric Transmission Routes 115-kV Improvements Existing 115-kV Line Existing 345-kV Line 	<ul style="list-style-type: none"> Existing Structure Proposed Structure Relocated Structure Statutory Facilities Daycare Playground School Stream Channel Encroachment Line 	<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
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Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 1 of 3

Connecticut Light & Power
The Northeast Utilities System

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Date: September 2008

See Mapsheet 2 of 3

**Manchester to Meekville Junction Circuit Separation Project
Existing Structure 20009 to Existing Structure 20018
Middle Turnpike/U.S. Route 6 to Tolland Turnpike
Town of Manchester, CT**

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Commercial
- Industrial
- Municipal
- School
- Recreational

Future Land Use

- Zoning (current):
 - Industrial (IND)
 - Planned Residential Development (PRD)
 - Residence A (RA)
 - Rural Residence (RR)

Natural Systems

- Hockanum River
- Unnamed intermittent streams
- Mixed hardwood forests varying in age and size
- State/Federal jurisdictional wetlands
- 100 year flood zone

Visual Character

- Residential, commercial, highways, and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- School adjacent to structures 20009 to 20011
- Commercial adjacent to structures 20016 to 20018
- Interstate Highways between structures 20013 to 20015
- Forest and wetlands

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W15-107 through W15-515
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands, Open Water
- Stream Nos. S15-205 and S15-206 (Hockanum River)

Potential Access

- Structures 20009 to 20011 can be accessed from Middle Turnpike/U.S. Route 6
- Structures 20013 and 20014 can be accessed from the Interstate 84 on-ramps
- Structures 20015 to 20018 can be accessed from Tolland Turnpike

Right-of-Way Vegetation

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

Terrain

- Broad and flat between structures 20009 to 20014 and between structures 20017 to 20018
- Steep hills between structures 20015 to 20016

Existing Right-of-Way Width

- 350 feet between structures 20009 to 20015
- 360 feet between structures 20015 to 20016
- 570 feet at the widest point between structures 20016 to 20018

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

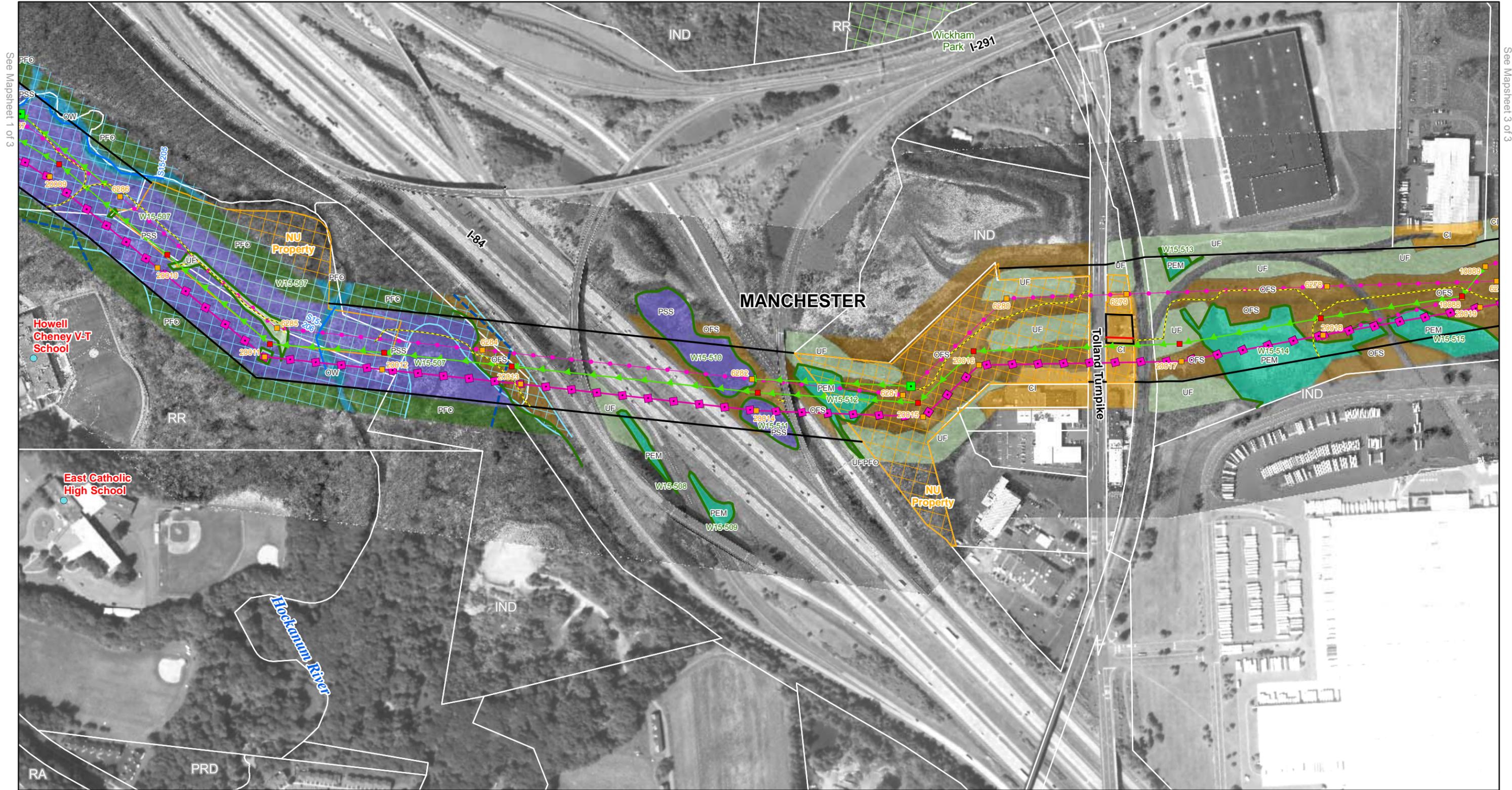
- 220-285 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

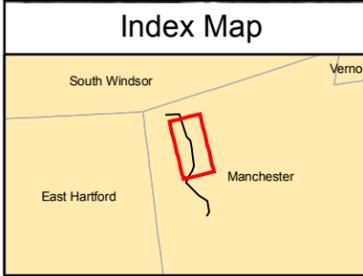
Road/Major Utility Crossings

- Interstate 84 between structures 20013 to 20015
- Tolland Turnpike between structures 20016 to 20017



See Mapsheet 1 of 3

See Mapsheet 3 of 3



<ul style="list-style-type: none"> ▲ Substation ● Junction — Right-of-Way (Existing) — Right-of-Way (Expanded) ▲▲ 115-kV Improvements — Existing 115-kV Line — Existing 345-kV Line 	<ul style="list-style-type: none"> ■ Existing Structure ■ Proposed Structure ■ Relocated Structure 	<ul style="list-style-type: none"> ■ 100 Year Flood Zone — Property Line — Town/State Boundary — Wetland Boundary — Watercourse — Potential Access Road ■ Northeast Utilities Property — Stream Channel Encroachment Line 	<p>Statutory Facilities</p> <ul style="list-style-type: none"> ● Daycare ● Playground ● School 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> ■ Emergent Wetland (PEM) ■ Forested Wetland (PFO) ■ Scrub - Shrub Wetland (PSS) ■ Open Field-Shrub Land (OFS) ■ Commerical/Industrial (CI) ■ CT Protected/Open Space ■ Agricultural (AG) ■ Other (OT) ■ Open Water (OW) ■ House/Yard (HY) ■ Upland Forest (UF) 	<p>Data Source: ENSR Survey 2007; CT NAIP 2006 Imagery; 2007 Aerial Photos</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>
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Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 2 of 3

Connecticut Light & Power
The Northeast Utilities System

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Date: September 2008

MAPSHEET 3 of 3:

Manchester to Meekville Junction Circuit Separation Project Existing Structure 20017 to Meekville Junction Tolland Turnpike to Burnham Street Town of Manchester, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Commercial
- Industrial
- Municipal

Future Land Use

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

Natural Systems

- Whaples Brook and associated tributaries
- Open water (ponds)
- Mixed hardwood forests varying in age and size
- State/Federal jurisdictional wetlands

Visual Character

- Forest, residential, and commercial

RIGHT-OF-WAY DESCRIPTION

Land Use

- Commercial adjacent structures 20017 to 20019
- Residential adjacent to structures 20020 and 20021
- Forest and wetlands

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W5-514 through W15-518
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S15-207

Potential Access

- Structures 20017 and 20018 can be accessed from Tolland Turnpike
- Structures 20019 to 20021 can be accessed from Chapel Road

Right-of-Way Vegetation

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

Terrain

- Broad and flat

Existing Right-of-Way Width

- 380 feet between structures 20019 to 20021
- 360-570 feet between structures 20017 to 20019

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

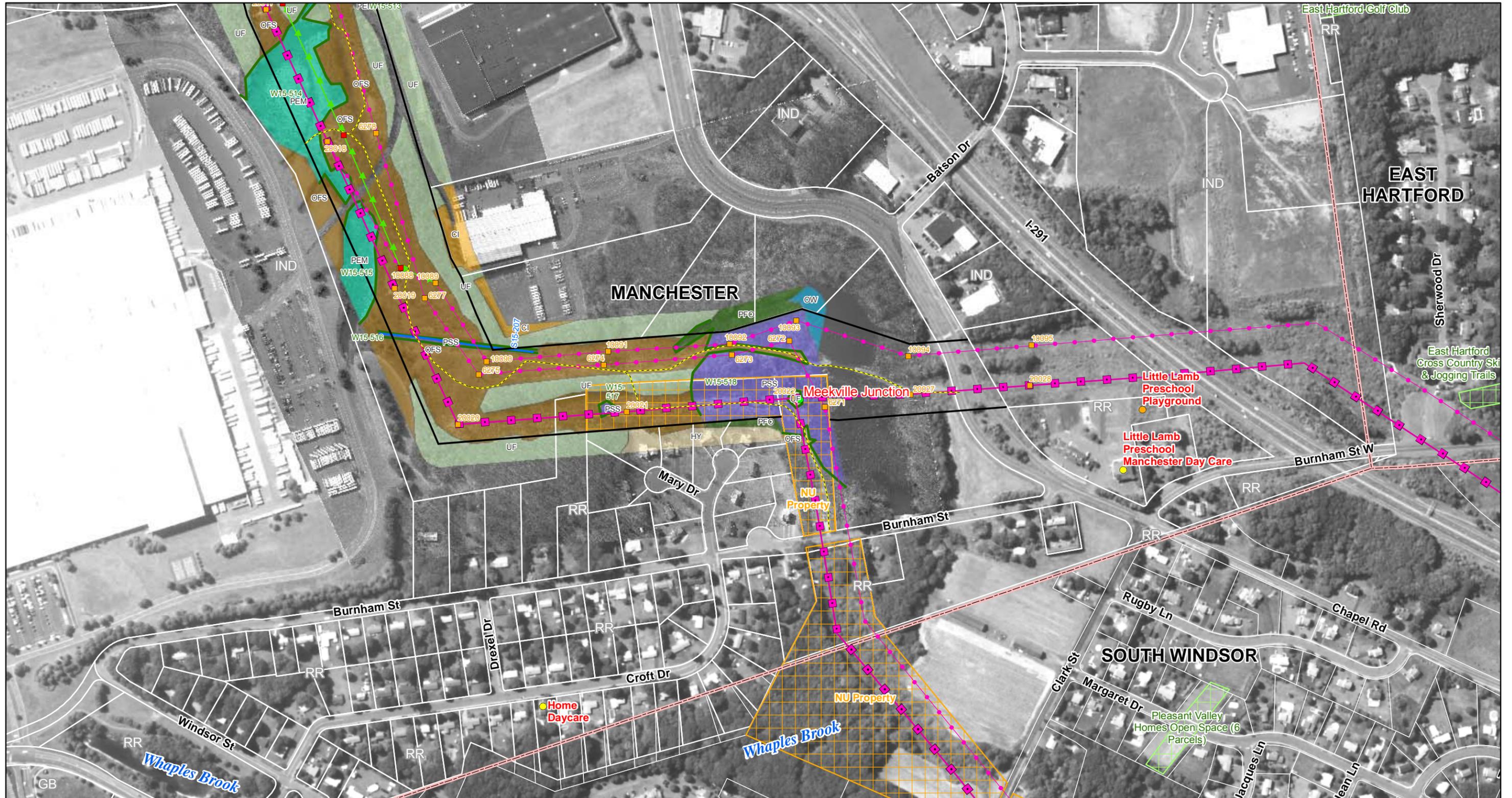
- 240-270 feet

Proposed Additional Cleared Right-of-Way Width

- 0-80 feet

Road/Major Utility Crossings

- Tolland Turnpike between structures 20016 to 20017



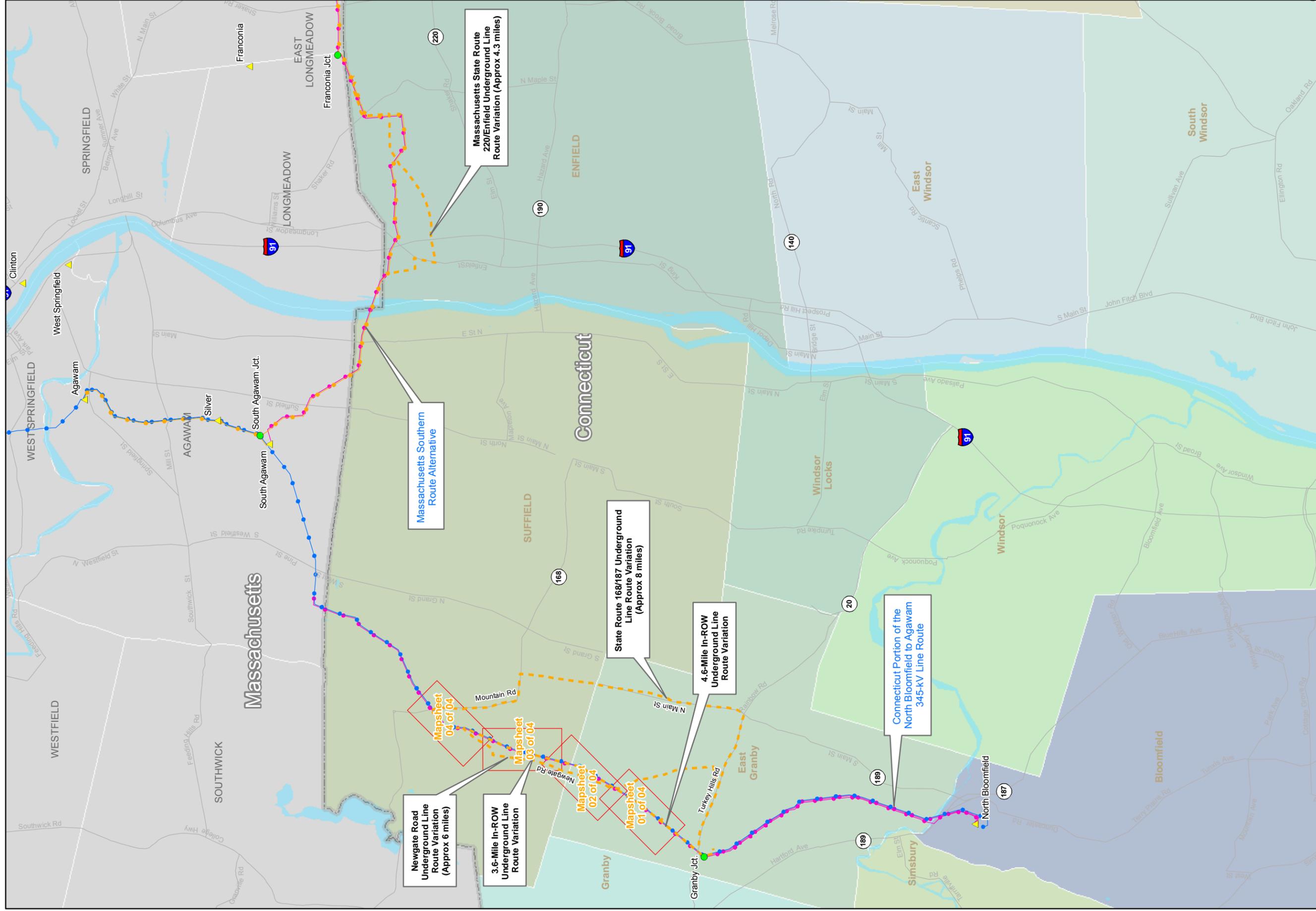
<ul style="list-style-type: none"> ▲ Substation ● Junction — Right-of-Way (Existing) — Right-of-Way (Expanded) ▲▲ 115-kV Improvements — Existing 115-kV Line — Existing 345-kV Line 	<ul style="list-style-type: none"> ■ Existing Structure ■ Proposed Structure ■ Relocated Structure <p>Statutory Facilities</p> <ul style="list-style-type: none"> ● Daycare ● Playground ● School — Stream Channel Encroachment Line 	<ul style="list-style-type: none"> ■ 100 Year Flood Zone — Property Line — Town/State Boundary — Wetland Boundary — Watercourse — Potential Access Road ■ Northeast Utilities Property 	<p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> ■ Emergent Wetland (PEM) ■ Forested Wetland (PFO) ■ Scrub - Shrub Wetland (PSS) ■ Open Field-Shrub Land (OFS) ■ Commerical/Industrial (CI) ■ CT Protected/Open Space 	<ul style="list-style-type: none"> ■ Agricultural (AG) ■ Other (OT) ■ Open Water (OW) ■ House/Yard (HY) ■ Upland Forest (UF) 	<p>Data Source: ENSR Survey 2007; CT NAIP 2006 Imagery; 2007 Aerial Photos</p> <p>Scale: 1:4,800</p> <p>0 400 800 Feet</p>
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Greater Springfield Reliability Project
Manchester to Meekville Junction Circuit Separation Project
 Mapsheet 3 of 3

Connecticut Light & Power
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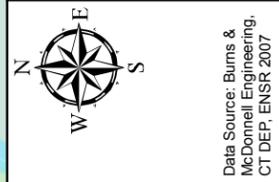
Y:\Projects\NorthEast_Ultimates\SSRF\Map\Constraints_Mapping\Environment\CT\2008_September\Index_Map_GSRF_CT_EMF_Mitigation.mxd

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Greater Springfield Reliability Project Index Map
Electric and Magnetic Field Best Management Practices



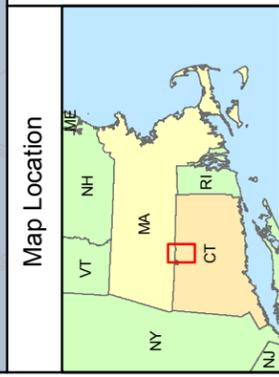
Electric Transmission Routes

- Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
- Massachusetts Southern Route Alternative
- Underground Line Route Variations
- Existing 115-kV Line

EMF Reduction Index Map Sheets

Scale: 1:88,000
0 1 2 3 Miles

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



MAPSHEET 1 of 4:

Electric and Magnetic Field Best Management Practices Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route Existing Structure Locations 3185 to 3195 State Route 20/Turkey Hills Road to Newgate Road Town of East Granby, CT

AREA DESCRIPTION

Existing Land Use

- Residential
- Open field-shrub
- Conservation (Newgate Wildlife Management Area managed by the CT DEP – with some land leased from CL&P)
- Recreational (Copper Hill Country Club)

Future Land Use

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

Natural Systems

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

Visual Character

- Forest, natural streams, residential development, and open pastures

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential west of structures 3192 to 3193 and 3194 to 3195
- Forest
- Newgate Wildlife Management Area

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-245, W9-246, W9-247, W9-248, W9-249, W9-250, W9-251, W9-252, W9-253, W9-254, W9-255
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands, Palustrine Emergent Wetlands
- Stream Nos. S9-92, S9-93

Potential Access

- Structures 3185-3195 can be accessed from either State Route 20/Turkey Hills Road or Newgate Road

Right-of-Way Vegetation

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

Terrain

- Hilly to flat

Existing Right-of-Way Width

- 305 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

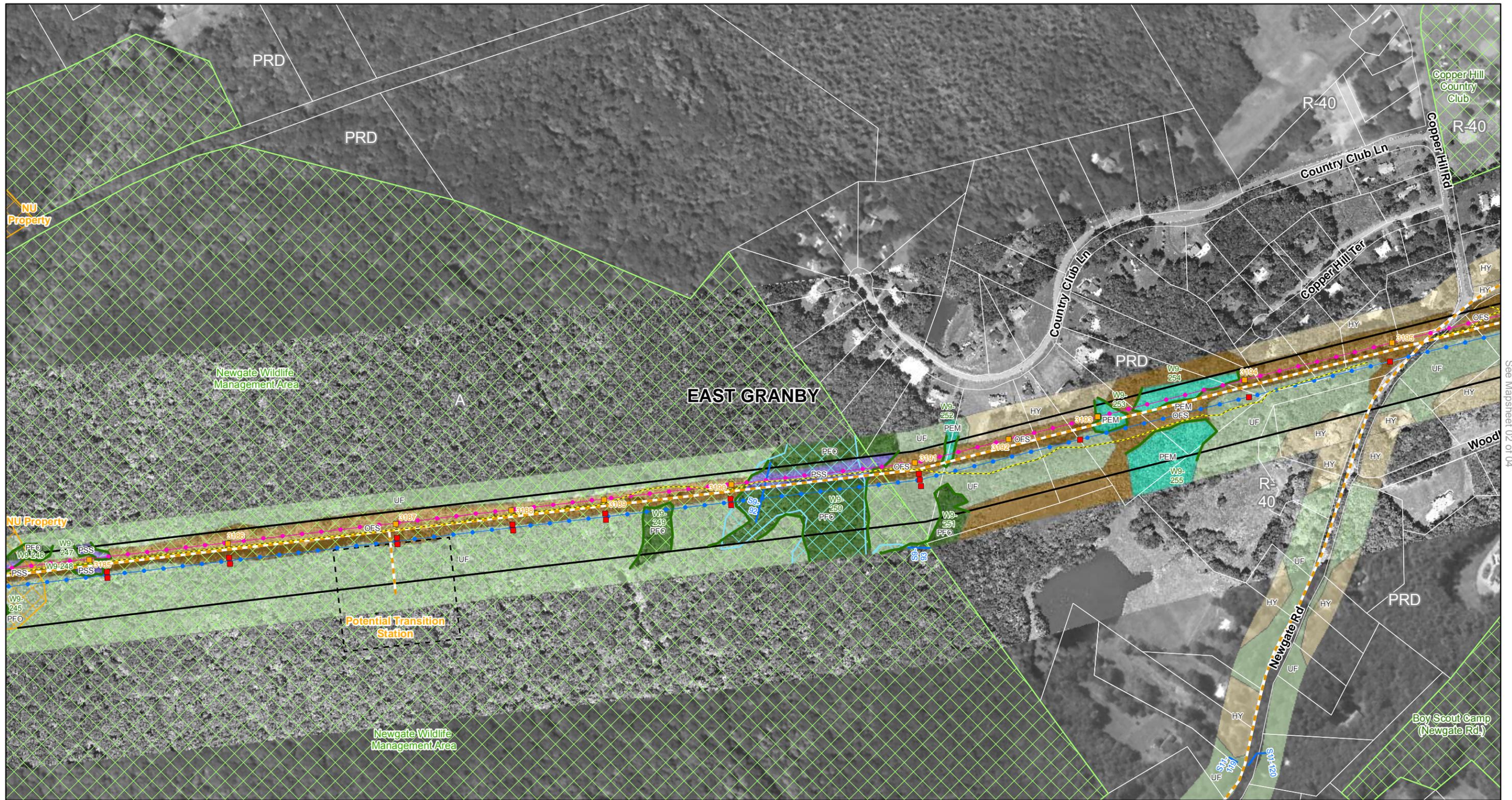
- 100 feet

Proposed Additional Cleared Right-of-Way Width

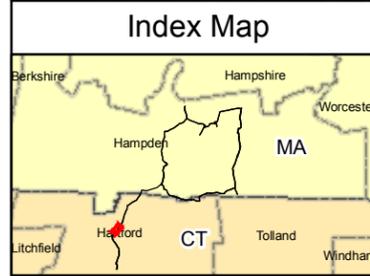
- 70-110 feet

Road/Major Utility Crossings

- Newgate Road



See Mapsheet 02 of 04



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| <ul style="list-style-type: none"> ▲ Substation ● Junction — Right-of-Way (Existing) — Right-of-Way (Expanded) ● 345-kV Overhead Preferred Route ● 345-kV Overhead "Southern" Route Alternative — 345-kV Underground Variation — Existing 115-kV Line | <ul style="list-style-type: none"> □ Potential Transition Station ■ Existing Structure ■ Proposed Structure ● Daycare ● Playground ● School ● Youth Camp |
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| <ul style="list-style-type: none"> □ 100 Year Flood Zone — Property Line — Town/State Boundary — Wetland Boundary — Watercourse — Potential Access Road □ Northeast Utilities Property | <ul style="list-style-type: none"> ■ Emergent Wetland (PEM) ■ Forested Wetland (PFO) ■ Scrub - Shrub Wetland (PSS) ■ Open Field-Shrub Land (OFS) ■ Commerical/Industrial (CI) ■ CT Protected/Open Space |
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| <p>Land Use/Vegetative Cover Type Classes</p> <ul style="list-style-type: none"> ■ Agricultural (AG) ■ Other (OT) ■ Open Water (OW) ■ House/Yard (HY) ■ Upland Forest (UF) | <p>1:4,800</p> <p>0 400 800 Feet</p> |
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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 04

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

<p>Date: September 2008</p>

MAPSHEET 2 of 4:

Electric and Magnetic Field Best Management Practices Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route, Existing Structure Locations 3194 to 3205 Newgate Road to Wyncairn Road Towns of East Granby and Suffield, CT

AREA DESCRIPTION

Existing Land Use

- Town of East Granby
 - Residential
 - Recreational (Copper Hill Country Club)
- Town of Suffield
 - Residential
 - Agricultural

Future Land Use

- Town of East Granby
 - Zoning (current):
 - Residential (R-40)
 - Agricultural (A)
 - Zoning (Plan of Development)
 - Residential districts (PRD)
- Town of Suffield
 - Zoning (current):
 - Residential (R-90) (Town of Suffield)
 - Agricultural (A)
 - Zoning (Plan of Development):
 - Residential (R-90)

Natural Systems

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

Visual Character

- Residential and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential west of structures 3194 to 3205, east of structures 3194 to 3196, 3199 to 3201, and between structures 3203 to 3204
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-256, W9-257, W9-258
- Wetland Cover Types – Palustrine Emergent Wetlands, Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S9-94, S9-95, S9-96

Potential Access

- Structures 3194 to 3195 can be accessed from Newgate Road
- Structures 3196 to 3200 can be accessed from either Newgate Road or Wyncairn Road
- Structures 3201 to 3205 can be accessed from either Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Hilly between structures 3194 to 3200 and between structures 3201 to 3204
- Steep slopes between structures 3200 to 3201

Existing Right-of-Way Width

- 305 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

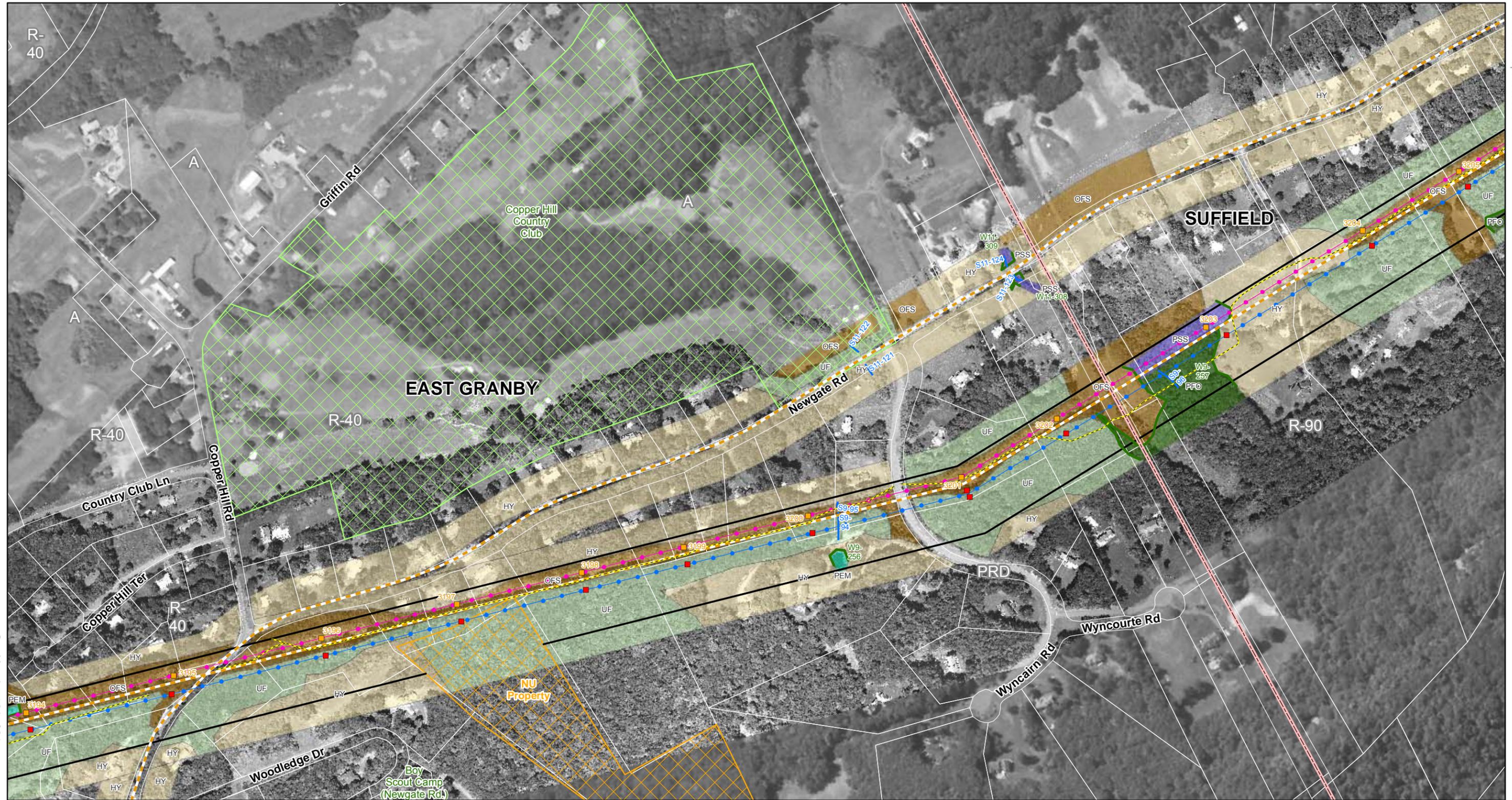
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 80-110 feet

Road/Major Utility Crossings

- Newgate Road between structures 3195 to 3196
- Wyncairn Road between structures 3200 to 3201



Index Map



- ▲ Substation
 - Junction
 - Right-of-Way (Existing)
 - Right-of-Way (Expanded)
 - Potential Transition Station
 - Existing Structure
 - Proposed Structure
- Electric Transmission Routes**
- 345-kV Overhead Preferred Route
 - 345-kV Overhead "Southern" Route Alternative
 - 345-kV Underground Variation
 - Existing 115-kV Line
- Statutory Facilities**
- Daycare
 - Playground
 - School
 - Youth Camp

- 100 Year Flood Zone
 - Property Line
 - Town/State Boundary
 - Wetland Boundary
 - Watercourse
 - Potential Access Road
 - Northeast Utilities Property
- Land Use/Vegetative Cover Type Classes**
- Emergent Wetland (PEM)
 - Forested Wetland (PFO)
 - Scrub - Shrub Wetland (PSS)
 - Open Field-Shrub Land (OFS)
 - Commercial/Industrial (CI)
 - CT Protected/Open Space
 - Agricultural (AG)
 - Other (OT)
 - Open Water (OW)
 - House/Yard (HY)
 - Upland Forest (UF)
- Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery
- Scale: 1:4,800
- 0 400 800 Feet

Greater Springfield Reliability Project
Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
 Mapsheet 02 of 04



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MAPSHEET 3 of 4:

Electric and Magnetic Field Best Management Practices Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route Existing Structure Locations 3204 to 3215 Wyncairn Road to Phelps Road Town of Suffield, CT

AREA DESCRIPTION

Existing Land Use

- Agricultural
- Residential
- Conservation (Dildilian and Harmon Wood lots and Hugh M. Alcorn and Howard Well Alcorn Wildlife Preserves managed by the Suffield Land Conservancy, Inc. and Sunrise Park managed by the Town of Suffield)

Future Land Use

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

Natural Systems

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

Visual Character

- Residential and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential between structures 3203 to 3204, east of structure 3209, and adjacent to structures 3214 and 3215
- Forest

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-258, W9-259, W9-260
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub–Shrub Wetlands
- Stream Nos. S9-97, S9-98

Potential Access

- Structures 3204 to 3215 can be accessed from Wyncairn Road, Newgate Road or Phelps Road

Right-of-Way Vegetation

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

Terrain

- Long, broad hilltops with hills

Existing Right-of-Way Width

- 305 feet

Proposed Expansion of Right-of-Way Width

- 0 feet

Existing Cleared/Maintained Right-of-Way Width

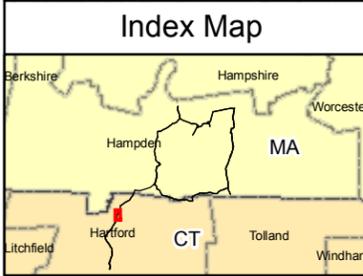
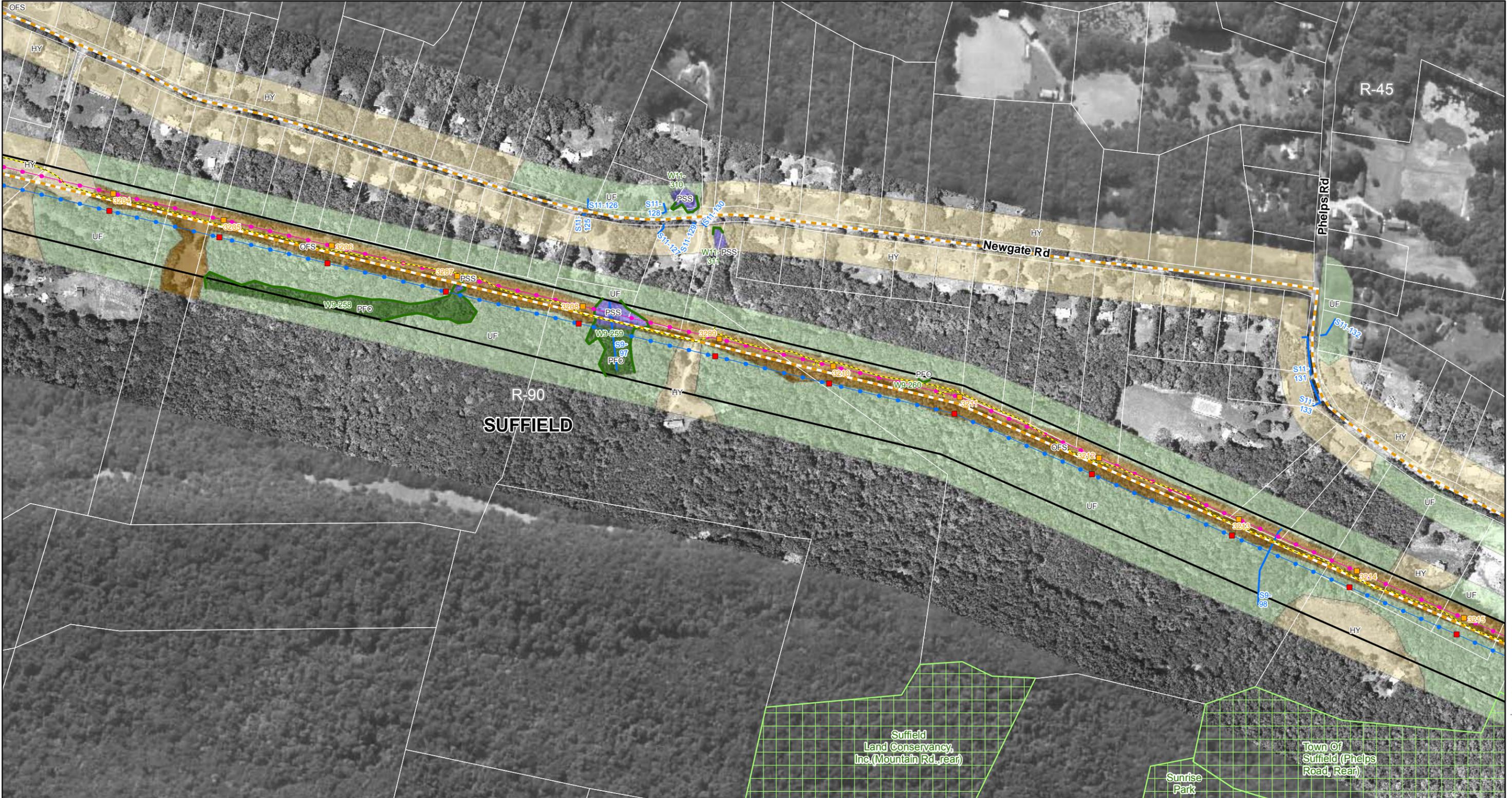
- 100 feet

Proposed Additional Cleared Right-of-Way Width

- 30-100 feet

Road/Major Utility Crossings

- None



<ul style="list-style-type: none"> ▲ Substation ● Junction — Right-of-Way (Existing) — Right-of-Way (Expanded) ● 345-kV Overhead Preferred Route ● 345-kV Overhead "Southern" Route Alternative — 345-kV Underground Variation — Existing 115-kV Line 	<ul style="list-style-type: none"> □ Potential Transition Station ■ Existing Structure ■ Proposed Structure ● Daycare ● Playground ● School ● Youth Camp
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<ul style="list-style-type: none"> □ 100 Year Flood Zone — Property Line — Town/State Boundary — Wetland Boundary — Watercourse — Potential Access Road □ Northeast Utilities Property 	<ul style="list-style-type: none"> □ 100 Year Flood Zone — Property Line — Town/State Boundary — Wetland Boundary — Watercourse — Potential Access Road □ Northeast Utilities Property
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Land Use/Vegetative Cover Type Classes <ul style="list-style-type: none"> Emergent Wetland (PEM) Forested Wetland (PFO) Scrub - Shrub Wetland (PSS) Open Field-Shrub Land (OFS) Commerical/Industrial (CI) CT Protected/Open Space 	<ul style="list-style-type: none"> Agricultural (AG) Other (OT) Open Water (OW) House/Yard (HY) Upland Forest (UF)
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Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery
 1:4,800
 0 400 800 Feet

Greater Springfield Reliability Project
 Electric and Magnetic Field Best Management Practices
 Connecticut Portion of the North Bloomfield to Agawam 345-kV Line Route
 Mapsheet 03 of 04

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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 3215 to 3225
Phelps Road to State Route 168/Mountain Road
Town of Suffield, CT**

AREA DESCRIPTION

Existing Land Use

- Residential
- Agricultural
- Open field-shrub
- Conservation (Hugh M Alcorn and Howard Well Alcorn Wildlife Preserves, Spenser Wood Wildlife Management Area, Dildilian and Harmon Wood lots, and Root-Colson and Prekop Properties managed by the Suffield Lane Conservancy, Inc)
- Recreational (Suffield Sportsman's Association)

Future Land Use

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

Natural Systems

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

Visual Character

- Residential, agricultural, and forest

RIGHT-OF-WAY DESCRIPTION

Land Use

- Residential adjacent to structures 3215 to 3217, east of structure 3218, and between structures 3224 to 3225
- Forest
- Suffield Land Conservancy Property and Suffield Sportsman's Association Property

Wetlands, Watercourses and Waterbodies

- Wetland Nos. W9-261, W9-262
- Wetland Cover Types – Palustrine Forested Wetlands, Palustrine Scrub-Shrub Wetlands
- Stream Nos. S9-99, S9-100

Potential Access

- Structures 3215 to 3221 can be accessed from Phelps Road
- Structures 3222 to 3224 can be accessed from State Route 168/Mountain Road
- Structure 3225 can be accessed from North Stone Street

Right-of-Way Vegetation

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

Terrain

- Flat to hilly between structures 3215 to 3224
- Steep slope between structures 3224 to 3225

Existing Right-of-Way Width

- 305 feet between structures 3215 to 3218 and between structures 3223 to 3225
- 100 feet between structures 3218 to 3223

Proposed Expansion of Right-of-Way Width

- 75 feet of additional right-of-way for approximately 1,100 linear feet between structures 3221 to 3223, north of Phelps Road
- Land adjacent to structures 3219 to 3221 is owned by CL&P

Existing Cleared/Maintained Right-of-Way Width

- 100 feet

Proposed Additional Cleared Right-of-Way Width

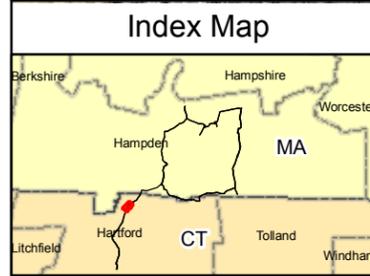
- 85-100 feet

Road/Major Utility Crossings

- Phelps Road between structures 3218 and 3219
- State Route 168/Mountain Road between structures 3224 and 3225



See Mapsheet 03 of 04



<ul style="list-style-type: none"> Substation Junction Right-of-Way (Existing) Right-of-Way (Expanded) 345-kV Overhead Preferred Route 345-kV Overhead "Southern" Route Alternative 345-kV Underground Variation Existing 115-kV Line 	<ul style="list-style-type: none"> Potential Transition Station Existing Structure Proposed Structure Daycare Playground School Youth Camp
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<ul style="list-style-type: none"> 100 Year Flood Zone Property Line Town/State Boundary Wetland Boundary Watercourse Potential Access Road Northeast Utilities Property

Land Use/Vegetative Cover Type Classes	
Emergent Wetland (PEM)	Agricultural (AG)
Forested Wetland (PFO)	Other (OT)
Scrub - Shrub Wetland (PSS)	Open Water (OW)
Open Field-Shrub Land (OFS)	House/Yard (HY)
Commerical/Industrial (CI)	Upland Forest (UF)
CT Protected/Open Space	

Scale: 1:4,800
 Data Source: ENSR Survey 2007; Opt. Geom. 2007 Imagery

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 04

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