FTA ALTERNATIVES ANALYSIS
DRAFT/FINAL ENVIRONMENTAL IMPACT STATEMENT

DANBURY BRANCH IMPROVEMENT PROGRAM TASK 5

ENVIRONMENTAL TECHNICAL MEMORANDUM

STATE PROJECT 302-008



SECTION 1: TOPOGRAPHY, GEOLOGY, AND SOILS

MAY 2009

SECTION 1. TOPOGRAPHY, GEOLOGY, AND SOILS

INTRODUCTION

This section discusses the existing topographical, geological, and soil conditions of the study corridor. This information is provided as a general background description of the existing conditions within the study corridor. Specific topographical, geological, or surficial conditions which may be subject to certain regulatory requirements or conditions, such as the presence of wetlands or prime farmland within the study corridor, are addressed in separate memoranda.

Existing topography is generally documented by the United States Geological Survey (USGS) in published topographic contour maps. Topography includes the identification of existing landforms, both natural and man-made, especially in relation to one another in terms of latitude, longitude and elevation.

The discussion of the existing geology of the study corridor includes a description of the underlying bedrock formation and a general description of the overlying surficial strata. This information is generally specifically collected in academic geological resources, prepared by the USGS, specific to the state of Connecticut.

The discussion of existing soil classifications is a summary of specific findings from soil surveys conducted within the study corridor. The surveying of soils on a national level is maintained by the National Soil Conservation Service (NSCS) of the United States Department of Agriculture (USDA). The surveys are generally conducted for the classification and management of certain land use areas, based on soil types, which would be supportive of certain human and natural processes, such as prime farmlands, rangelands, floodplains, wetlands, and timberlands.

Methods, Coordination, and Data Sources

Information reviewed for this section, including discussions of the existing topography, geological conditions, and soil types was obtained through readily available and publicly documented information.

Topography of the study corridor was examined through comparison of the study corridor area to corresponding topographic mapping generated by National Geographic TOPO!© Interactive software, reproduced by TeleAtllas© and updated in August 2005 and five-foot contour elevation topographic maps provided by the Connecticut Department of Environmental Protection (CT DEP). Coverage of the entire study corridor is shown on fourteen base maps, which are included as Appendix A.

Geological information related to the study corridor was also reviewed with readily available geologic mapping of Connecticut. These academic resources include both bedrock and surficial materials maps of Connecticut. Copies of relevant portions of the bedrock geological reference map, as they correspond to the study corridor, are provided in Appendix B.

Information relating to soils within the study corridor was obtained through use of the internet-based Web Soil Survey 2.1, maintained by the National Soil Conservation Service of the USDA. In order to review the information corresponding to the study corridor, individual polygons, or "areas of interest" were drawn to define the area of the study corridor. For accuracy and scaling purposes, the entire corridor area was broken down into 28 individual "areas of interest" for review. Copies of mapped survey areas reviewed are included in Appendix C.

TOPOGRAPPHY

This section discusses the topography of the study corridor based on readily available data sources.

The Danbury Branch corridor is approximately 40 miles in length running mainly south to north, from its beginning in South Norwalk to its terminus in New Milford. Based on data provided by the CT DEP, the corridor has a minimum elevation of 6 feet above mean sea level and a maximum elevation of 475 feet above mean sea level.

From the corridor's southern limit in South Norwalk to Milepost 2, the corridor centerline, or the existing track elevation varies slightly from 25 feet at the Washington Street crossroad to 20 feet until the Interstate 95 intersection where elevation is indicated as 45 feet, and descends again to a level of 15 feet. North of the Interstate 95 intersection the centerline of the corridor remains fairly level with gentle changes in elevation between 5 and 25 feet above mean sea level. Surrounding areas are mostly flat with some hilly areas and gradient changes near highway intersections.

Elevation of the corridor centerline begins to gradually increase south of Milepost 2, to 475 feet above mean sea level in several locations north of Milepost 14 to Milepost 15. Elevation remains almost level at approximately 455 to 470 feet above mean sea level from Milepost 15 to Milepost 16. The remainder of this portion of the corridor is hilly in sections north of Milepost 3. Areas from south of Milepost 8 to Milepost 12, and Milepost 13 to north of Milepost 15 are especially steeply sloped.

Northward of Milepost 16, the corridor centerline elevation slowly begins to descend until a point north of Milepost 22, near the intersection with the Still River. From here, to just northwest of Milepost 23, the elevation again gradually increases to approximately 375 feet above sea level. Surrounding areas in the corridor are steeply sloped throughout much of Milepost 16 to 17, north of Milepost 17 near Bogus Mountain Brook, and from Milepost 18 to Milepost 20.

From Milepost 23 to Milepost 27 (1 on CT DEP maps) the centerline of the corridor gradually descends to and elevation of approximately 300 feet, with some sloped areas inside and outside of the corridor north of Milepost 24 (78 on CT DEP maps), north of Milepost 25 (79 on CT DEP maps) near the Interstate 84 intersection and Sunrise Road, and from most of Milepost 26 (80 and 0 on CT DEP maps) through 27 (1 on CT DEP maps). At this point, the centerline of the corridor again gradually increases in elevation from approximately 300 feet to approximately

335 feet at milepost 29 (3 on CT DEP maps), with steeply sloped areas located within and surrounding the remainder of the corridor in this section.

From Milepost 27 to Milepost 36 (1 to 9 on CT DEP maps) the centerline of the corridor descends to an elevation of approximately 205 feet. From here to milepost 28.5 (1.5 on CT DEP maps) the centerline is generally flat with a gradual increase to approximately 240 feet at the northern terminus in New Milford. In this final section of the study area, the corridor outside of the centerline and surrounding areas are steeply sloped, usually in west-facing slopes from Milepost 1.5 to 3, where the corridor contains gentle slopes and flat areas. The corridor continues with steeper slopes from Milepost 4 to 6.5, south of Milepost 8 to south of Milepost 9, and south of Milepost 11 to the northern terminus of the study area corridor.

From Milepost 36 to Milepost 38 in New Milford, the elevation of the corridor remains nearly level until increasing from 207 feet at roughly Milepost 37 to 249 feet at just past Milepost 38 at the vicinity of the Former New Milford Station. A nearby benchmark indicates an elevation of only 235 feet.

Table 1-1 presents the readily known elevation data for the study corridor at each individual waypoint for which data is available, moving north from Norwalk to New Milford. Graphical depictions of the waypoints and referenced benchmarks are shown in the attached sheets identified in the summary table below.

Table 1-1: Elevation by Waypoint

Sheet No.	NEAREST MILEPOST	WAYPOINT	EL.	BM REF.	LOCATION DESCRIPTION
1	0	001	6		Norwalk - Beginning of project
	1	002	7	BM 44	Norwalk - East of BM 44
	2	003	54	BM 57	Norwalk - East of BM 57
2	3	004	83		Norwalk - South of Merritt Parkway
	4	005	135		Norwalk - West of Bayne Street
	5	006	130		Wilton - North of Kent Road
3	6	007	151	BM 169	Wilton - East of BM 169
	7	008	187	BM 188	Wilton - West of BM 188
	8	009	197		Wilton at Skunk Lane Intersection
4	9	010	227	BM 229	Wilton - East of BM 222
		011	270	BM 256	Wilton - East of BM 256
	10	012	272	BM 254	Wilton - East of BM 254
5	11	013	293	BM 284	Wilton at BM 284
	12	014	335	BM 338	Wilton - East of BM 338
	13	015	349	BM 346	Wilton - East of BM 346 (Branchville RR Station)
6		016	434		Redding - East of Cedar Mountain
	14	017	454		Redding - East of Cemetery/West of Redding Lookout
	15	018	464	BM 471	Redding - East of BM 471
	16	019	458		Redding - North of Umpawaug Pond

7	17	020	437	BM 371	Redding - West of BM 371
		021	410		Redding - North of Side Cut Road
	18	022	421	BM 411	Redding - West of BM 411
	19	023	390	BM 444	Bethel - West of BM 444
8		024	372	BM 388	Bethel - East of BM 388
	20	025	376	BM 371	Bethel - East of BM 371
	21	026	381	BM 384	Bethel - West of BM 384
		027	360	BM 376	Bethel - East of BM 376
9	22	028	363		Danbury at Shelter Rock Lane Intersection
	23	029	376	BM 383	Danbury - South of BM 383/East of BM 376
	24/25	030	387		Danbury at White Street Intersection
	26	031	309		Danbury at Eagle Road Intersection
10	27	032	305	BM 306	Danbury - North of BM 306
	28	033	291	BM 312	Brookfield - West of BM 312
	29	034	363		North of Sunset Hill Road
11	30	035	335		Brookfield at Silvermine Road Intersection
	31	036	310	BM 292	Brookfield - at BM 292 / Station Road (Rte 25) Intersection
	32	037	282		Brookfield - West of Prospect Drive
12		038	255		Brookfield - East of Gallows Hill
	33	039	243		New Milford - West of Unnamed Pond
	34	040	236		New Milford - West of Pumpkin Hill
13		041	250	BM 230	New Milford - at BM 230
		042	234		New Milford - Lanesville Road Intersection
	36	043	206		New Milford - West of Hine Hill Road
	37	044	209		New Milford - At RR Milepost Marker
14		045	207	BM 206	New Milford - North of BM 206
	38	046	249	BM 235	New Milford - East of BM 235 / Spring Street Intersection
		047	250		New Milford - West of Intersection RR ST and Wellsville Ave.
		048	259		New Milford - North of Aqueduct

GEOLOGY

Surficial Materials

Based on geological surficial material mapping for the state of Connecticut[1], the majority of the State is underlain by till and thick till, with a mosaic of connecting patches of other types of surficial materials. The greater part of the corridor is aligned along linking patches of varying types of surficial material deposits and thin and thick till.

[1] United States Geological Survey, Department of Interior. Stone, J., et al, 1992. Surficial Materials Map of Connecticut.

According to available mapping, the southern end of the corridor, extending from the Norwalk Station northward to Milepost 4, consists mainly of sand and gravel surrounded by thin till, with some areas of artificial fill between Milepost 0 to Milepost 2 and just north of Milepost 3 and an area of gravel to the east of the corridor, south of the Norwalk-Wilton town line.

Continuing northward through the corridor, from Milepost 4 until south of Milepost 7 near Scribner Hill Road, underlying surficial materials consist of sand and gravel overlying sand overlying fines, surrounded by areas of thin till. There is also a narrow patch of alluvium overlying undifferentiated coarse deposits overlying fine deposits.

North to Milepost 28 are small patches of sand and gravel overlying sand, and sand. These patches extend until just south of Milepost 29, at which point the corridor consists of mostly sand overlying fines, alluvium overlying undifferentiated fine deposits overlying coarse deposits, thick till and thin till until the mid-point between Mileposts 29 and 30. From this point until Milepost 33 the corridor is overlying an area of fines and thin till.

From Milepost 33 to the point south of Milepost 36 where the Still River crosses the corridor, the underlying surficial material consists of sand, and alluvium overlying fines. From this point northward to the terminus of the corridor, there are patches of fines, sand, sand overlying fines alluvium overlying fines, gravel overlying fines, sand and gravel overlying fines, thin till and thick till.

Bedrock Geology

Bedrock geology along the corridor is best described beginning at the corridor's southern limit in South Norwalk, moving north to its terminus in New Milford. According to the *Bedrock Geologic Map of Connecticut* (Rogers, 1985), bedrock geology along the corridor from its beginning at Milepost 0, in South Norwalk, extending north to a point between Mileposts 5 and 6 at a point south of Arrow Head Road in South Wilton consists of both Trap Falls Formation, a gray to silvery, partly rusty-weathering, medium-grained schist; and Ordovician, a light colored, foliated granitic gneiss. From Arrow Head Road, extending north to approximately 1,000 feet south of Milepost 8 in Wilton, the bedrock formation is composed of the Ordovician formation.

From approximately 1,000 feet south of Milepost 8 north to the Wilton-Weston town line, south of Milepost 12, the bedrock material underlying the corridor is mainly Ratlum Mountain Schist, a gray, medium-grained schist and granofels. Portions of this section of the corridor also include Harrison Gneiss, an inter-layered dark and light gray, medium-grained, foliated gneiss, and Ordovician in the underlying bedrock materials.

North of the Weston-Wilton town line to the Wilton-Ridgefield town line, the bedrock underlying the corridor consists of Harrison Gneiss and Ratlum Mountain Schist. From the Wilton-Ridgefield town line extending to the just south of Umpawaug Pond between Mileposts 15 and 16 in the Town of Redding, bedrock consists of Ordovician and Harrison Gneiss.
South of Umpawaug Pond, the corridor traverses the division between the Western Uplands into the Proto-North American Terrain, and as far north as Milepost 17 the underlying bedrock consists of Stockbridge Marble, a white to gray dolomitic marble; and Gneiss of Highlands

Massifs, a granitic gneiss and schist. Between Mileposts 17 and 18, the corridor's bedrock geology consists of the Dalton Formation, a gray, tan-weathering feldspathic quartzite, gneiss and schist; and Stockbridge Marble. North from Milepost 18 to Milepost 19, the corridor consists of Gneiss of Highlands Massifs, Stockbridge Marble, and is bordered on the east by Walloomsac Schist, which is a dark, fine-grained schist.

North of Milepost 19 to the crossing of Interstate-84, the majority of the corridor contains Stockbridge Marble. The eastern side of the corridor in this segment is also underlain with Brookfield Gneiss, a dark and light, medium to coarse grained dioritic gneiss; and Ratlum Mountain Schist. In the area between Mileposts 22 and 23, where the corridor turns sharply to the west, the western side of the corridor is also underlain with pink granitic gneiss, a light-pink to gray, granitic gneiss.

From the I-84 crossing north to Milepost 31, the underlying bedrock is Walloomsac Schist on the western side of the corridor and Brookfield Gneiss, Ratlum Mountain Schist and Ordovician Gneiss along the eastern side of the corridor. From Milepost 31 northward the corridor is still overlying Ratlum Mountain Schist and Stockbridge Marble to the midway point between Mile Marker 37 and 38, where the corridor begins to angle in a northwest direction away from the Ratlum Mountain Schist area. At this point until the terminus of the rail line, the underlying bedrock consists of Stockbridge Marble.

Portions of the referenced bedrock geology mapping[2], covering the extent of the Danbury Branch Study Corridor from the South Norwalk quadrangle to the Danbury quadrangle, are attached as Appendix B.

SOILS

Using readily-available web-based mapping software[3], existing characteristics and relative composition of soils within the study corridor were assessed.

Beginning at the project terminus in the south Norwalk neighborhood, over 90% of the mapped study corridor area was identified as either urban land or an urban land-Charlton-Chatfield complex. The Charlton-Chatfield complex in this area is described with a typical profile as being well-drained fine and gravelly fine sandy loam. An urban land classification is usually indicative of areas which are developed and/or paved for any purpose, and which are not necessarily consisting of the native surface soil conditions found in the area prior to development. Drainage in these areas is usually accomplished through artificial stormwater management.
This predominant soil classification of urban land and/or urban land complexes (greater than 90%) remains consistent until the project study corridor crosses State Route 15 (the Merritt Parkway) between Mileposts 3 and 4 in Norwalk. North of the Route 15 crossing, there is a

[2] United States Geological Survey, Department of Interior. Rodgers, J. and U.S.G.S, 1986. Bedrock Geologic Map of Connecticut.
[3] Web Soil Survey of Fairfield County, Connecticut. http://websoilsurvey.nrcs.usda.gov. United States Department of Agriculture, National Resource Conservation Service. February 2008.

slight decrease in the percentage of urban-land classified soil as the corridor moves into a slightly less densely developed area.

As the project study corridor extends into Wilton, there is a significant decrease in the percentage of area within the study corridor classified as urban land or urban land-related complexes. North of the Wilton town line, past Milepost 5, this classification accounts for up to approximately 30% of the study corridor. There are also significant areas of Haven and Enfield soils with 3 to 8 percent slopes (20%), and varieties of Canton, Charlton, and Chatfield soils (approximately 25%) with 3 to 15 percent slopes which are generally described as being very rocky or extremely stony. Smaller areas of miscellaneous loamy soils, outcrops, and water comprise the remainder of the study corridor in southern Wilton.

As the study corridor progresses to the north through Wilton through Milepost 11, the portion of land classified as urban land drops below approximately 10%. Soils in the study corridor generally consist predominantly of Haven and Enfield soils, along with portions of rippowam fine sandy loam and various complexes of the Canton-Charlton, Chatfield soils and other minor components. These latter soil types are generally described as being well-drained and very rocky or extremely stony. This distribution of soil types remains generally consistent through the Georgetown area of the study corridor.

Continuing through the Branchville and Topstone areas of the study corridor (through Mileposts 12 and 13) into the town of Redding, we continue to see similar compositions of soil types with the percentage of urban land, developed land varying generally below 20% for the selected map units.

A component of Hinckley gravelly sand loam is identified in the study corridor as the study corridor approaches the Town of Bethel at the Milepost 18 marker. At this point the study corridor appears to be almost entirely within undeveloped land. Soil types identified within the study corridor in the Redding area include the Charlton-Chatfield complex, Paxton and Montauk fine sandy loams, Saco silt loam, Haven and Enfield soils, and Hinckley gravelly sandy loam of slopes up to 15 percent. No urban land is identified in the portion of Redding within the study corridor (Mileposts15 through17). There is an area of approximately 4 acres in size in the vicinity of Sympaug Park Road in Bethel, east of the existing rail line, which is identified as a "dump".

There is a corresponding increase in the relative percentage of developed urban land and udorthenets in the study corridor as it moves through the central portion of Bethel through Mileposts 20 and 21. The study corridor between the Bethel and Danbury urban area consists predominantly of Timakwa and Natchaug soils, Hinckley gravelly sandy loam, catden and fretown soils, and Saco silt loam.

As the study corridor moves into the densely developed Danbury area before Milepost 22 and the crossings of Interstate 84 and State Route 6, soil types are again classified as predominantly (greater than 80%) urban land and/or udorthents with urban land complexes of the formerly mentioned Charlton and Chatfield soils. North of Interstate 84 towards Milepost 27, the percentage of udorthents and urban land complexes decreases to roughly 50 to 60 percent. In

this area there are also smaller components of Woodbridge fine sandy loam, Canton and Charlton soils, and Paxton and Montauk fine sandy loams, sometimes very stony. The relative proportion of identified urban land drops as the study corridor moves though Danbury and Brookfield and into New Milford.

The study corridor enters New Milford at Milepost 33. In the southern New Milford portion of the study corridor, no urban land component of the soil classification is initially identified. The soils in this area are noted to consist of a variety of fine sandy and silt loams of varying slopes, from 0 to 25 percent. Some of the surrounding area within the study corridor appears to be, at least formerly, utilized for agricultural purposes.

This predominantly loamy soil type continues along the study corridor as it follows the west bank of the Housatonic River, from Milepost 35 to the northern terminus of the study corridor at the former New Milford Station just past Milepost 38. After passing between the wastewater treatment plant of an industrial facility in New Milford, the corridor crosses the Housatonic River and continues to the former New Milford station in downtown New Milford. This area is predominantly developed and consists mainly of soils classified as udorthents and/or urban land complexes of various loams and fine sands. Udorthents are noted to be generally moderately well-drained and having a typical profile of loam to very gravelly sandy loam.

Copies of the NCSC (National Cooperative Soil Survey), of the Natural Resource Conservation Service, web-based soil survey maps and data referenced above are included in Appendix C.

REFERENCES

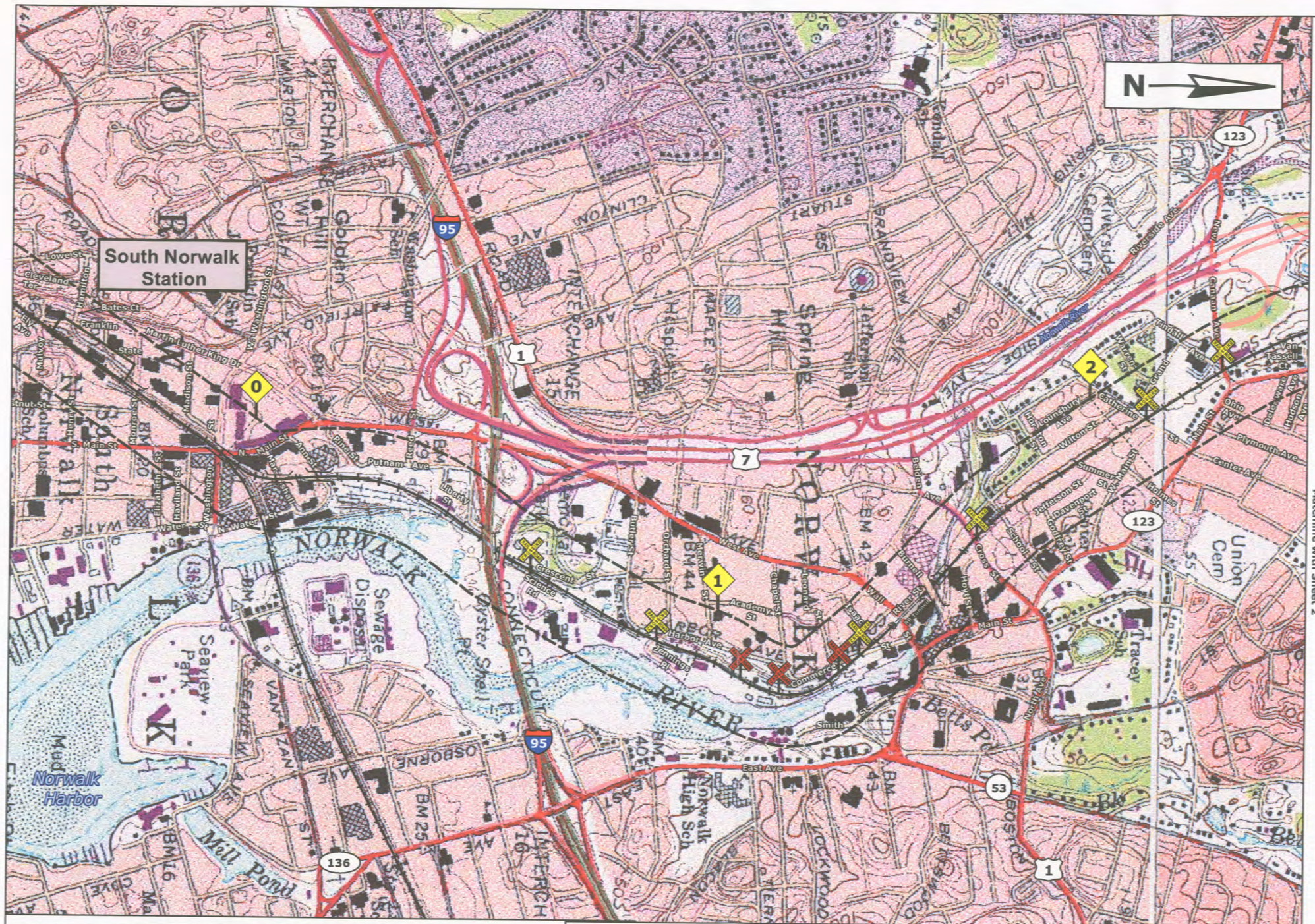
United States Geological Survey, Department of Interior. Rodgers, J. and U.S.G.S, 1986. Bedrock Geologic Map of Connecticut.

United States Geological Survey, Department of Interior. Stone, J., et al, 1992. Surficial Materials Map of Connecticut.

USDA-NSCS. 2008. Web Soil Survey of Fairfield County, Connecticut. http://websoilsurvey.nrcs.usda.gov. United States Department of Agriculture, National Resource Conservation Service. February 2008.

APPENDIX A

DANBURY BRANCH TOPOGRAPHIC MAPS
Sheets 1-14



PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**	**STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION**	TOWN(S): NORWALK	PROJECT NO: 302-008
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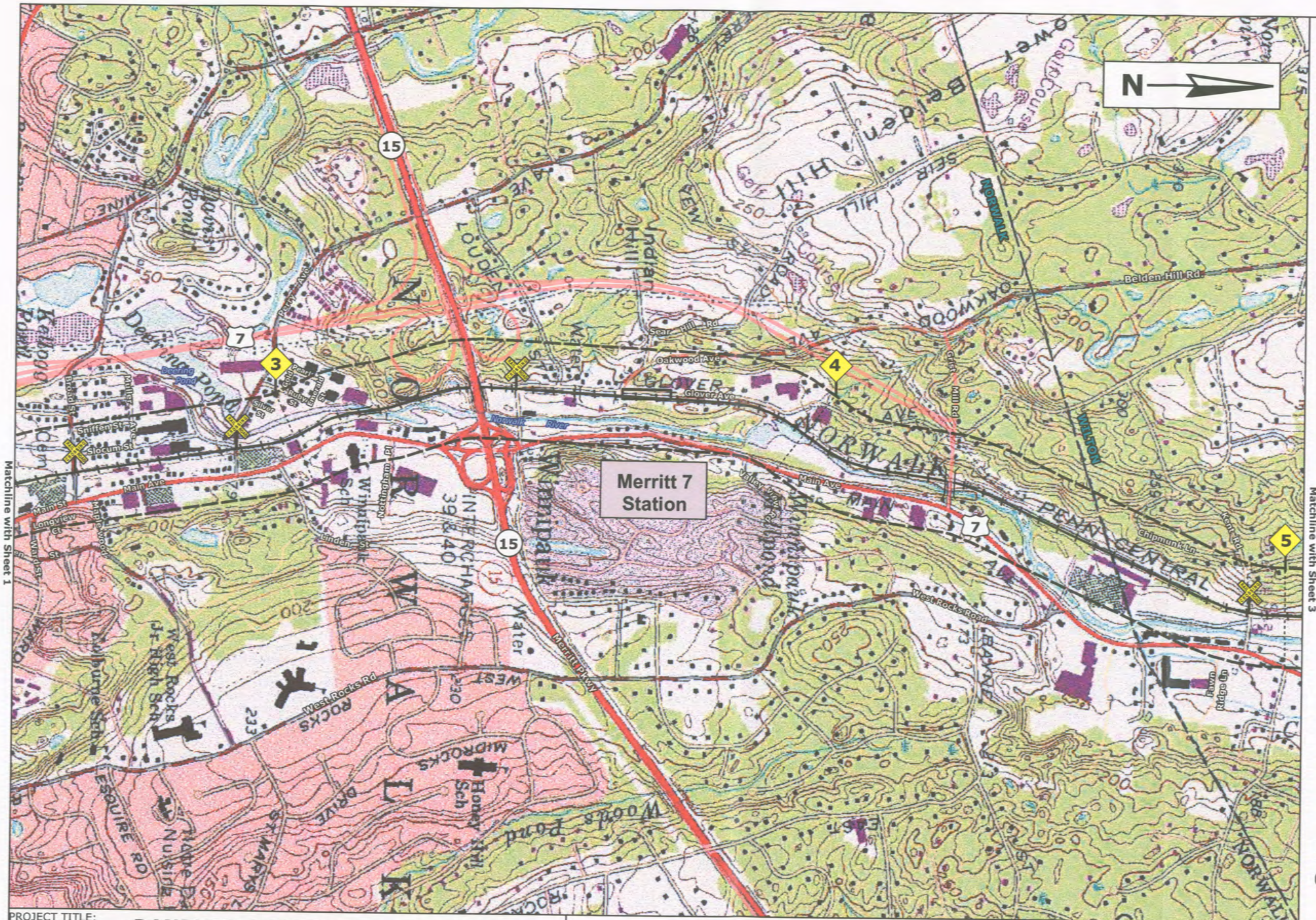
			SHEET NO: 1 OF 14



PROJECT TITLE:
DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

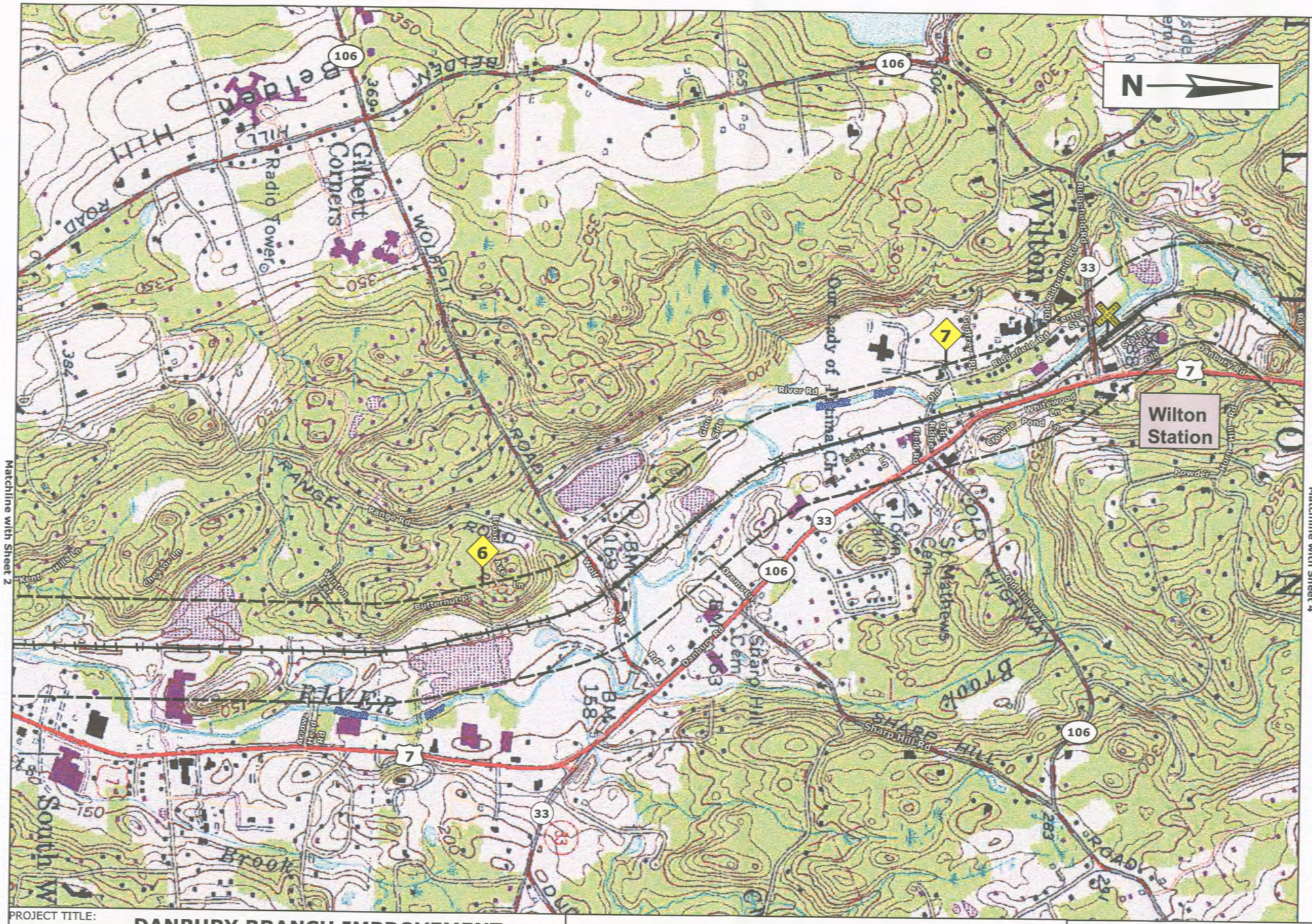
TOWN(S): NORWALK, WILTON

PROJECT NO: 302-008

MAP TITLE: TOPOGRAPHIC BASE MAP

MAP NO:

SHEET NO: 2 OF 14



PROJECT TITLE:

DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

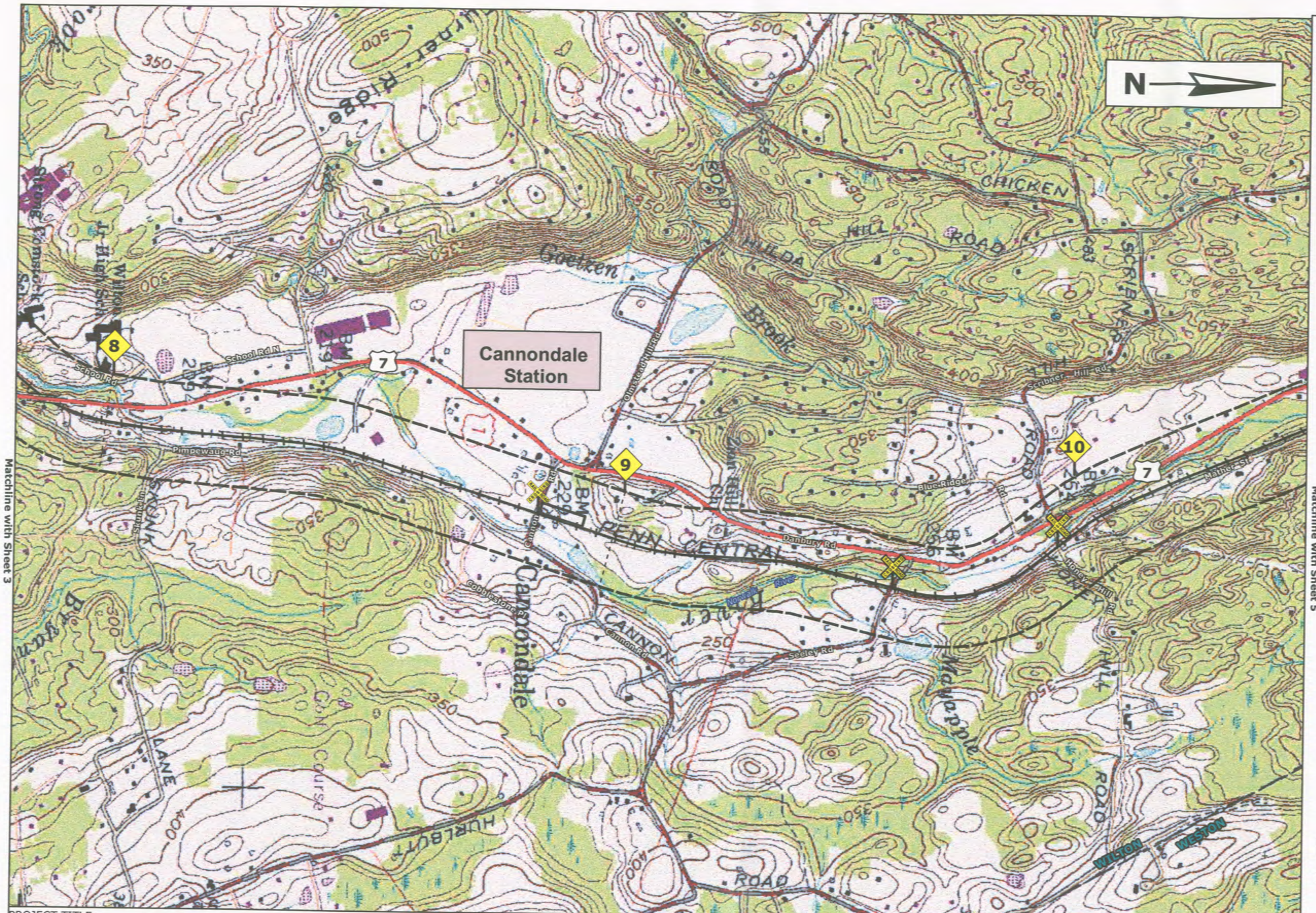
TOWN(S): WILTON

PROJECT NO: 302-008

MAP TITLE: TOPOGRAPHIC BASE MAP

MAP NO:

SHEET NO: 3 OF 14



Data Sources:

Topographic Map: USGS, CT DEP
Roads layer: CT DEP, updated by URS
Town Boundary: CT DEP
RR Milepost Markers and Grade Crossings: Metro-North Track Charts

MAP SCALE

Feet

0 1,000 2,000

ONE INCH =1000 FEET

PROJECT TITLE:

DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

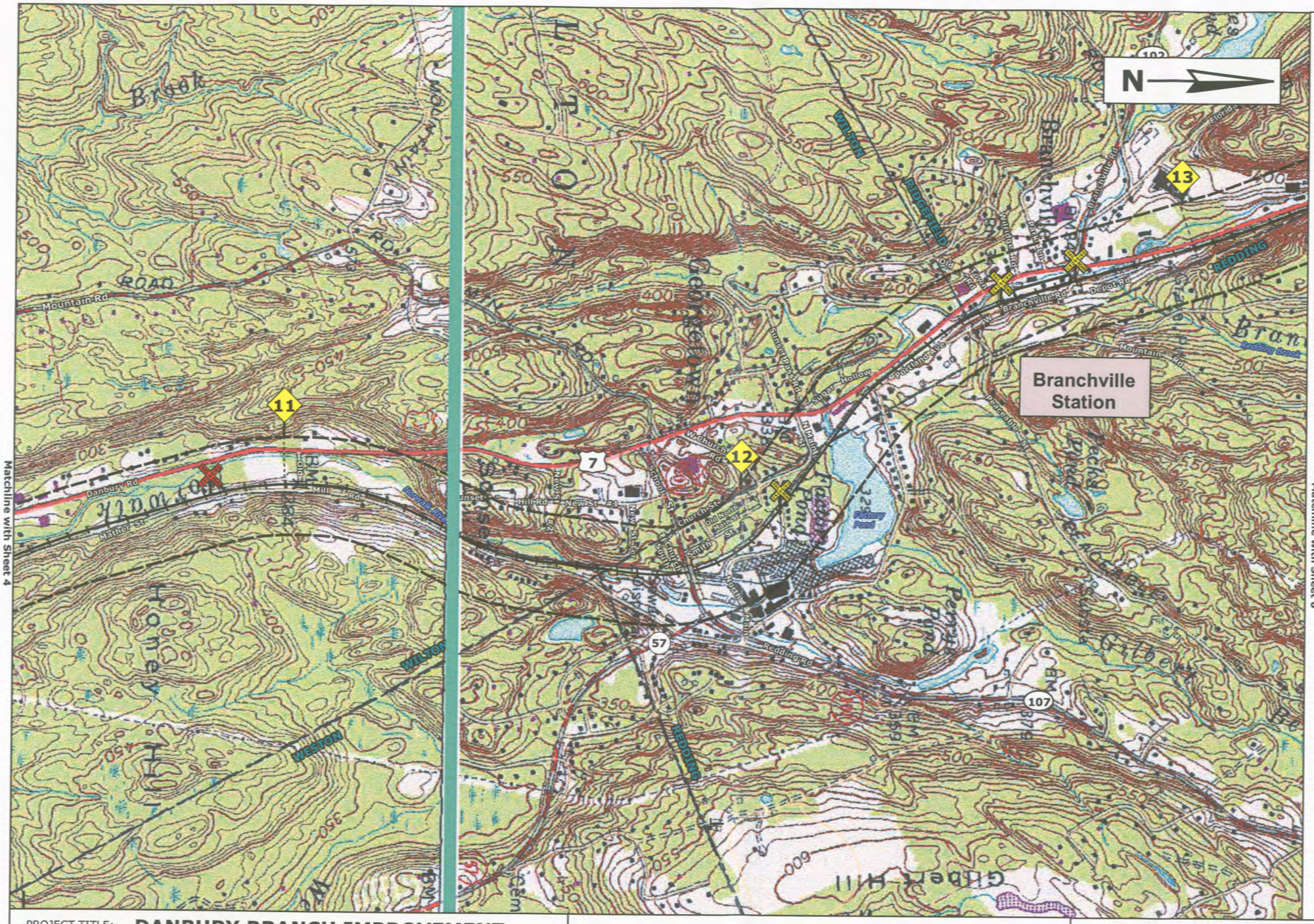
TOWN(S): WILTON, WESTON

PROJECT NO: 302-008

MAP TITLE: TOPOGRAPHIC BASE MAP

MAP NO:

SHEET NO: 4 OF 14



PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

TOWN(S): WILTON, WESTON, RIDGEFIELD, REDDING

MAP TITLE: TOPOGRAPHIC BASE MAP

PROJECT NO: 302-008

MAP NO:

SHEET NO: 5 OF 14

N

Legend

- Railroad Track
- 1000 Foot Study Corridor
- Town Boundary
- Railroad Station
- Proposed Location of New Railroad Station
- Railroad Milepost Marker
- Railroad Crossing
- Private Railroad Crossing
- Interstate Highway
- US Highway
- State Road
- Local Road
- Rivers/Streams
- Lakes/Ponds

Matchline with Sheet 5

Matchline with Sheet 7

Data Sources:

Topographic Map: USGS, CT DEP
Roads layer: CT DEP, update by URS
RR Track: CT DEP
Town Boundary: CT DEP
RR Milepost Markers and Grade Crossings: Metro-North Track Charts

MAP SCALE

Feet

0 1,000 2,000

ONE INCH =1000 FEET

PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

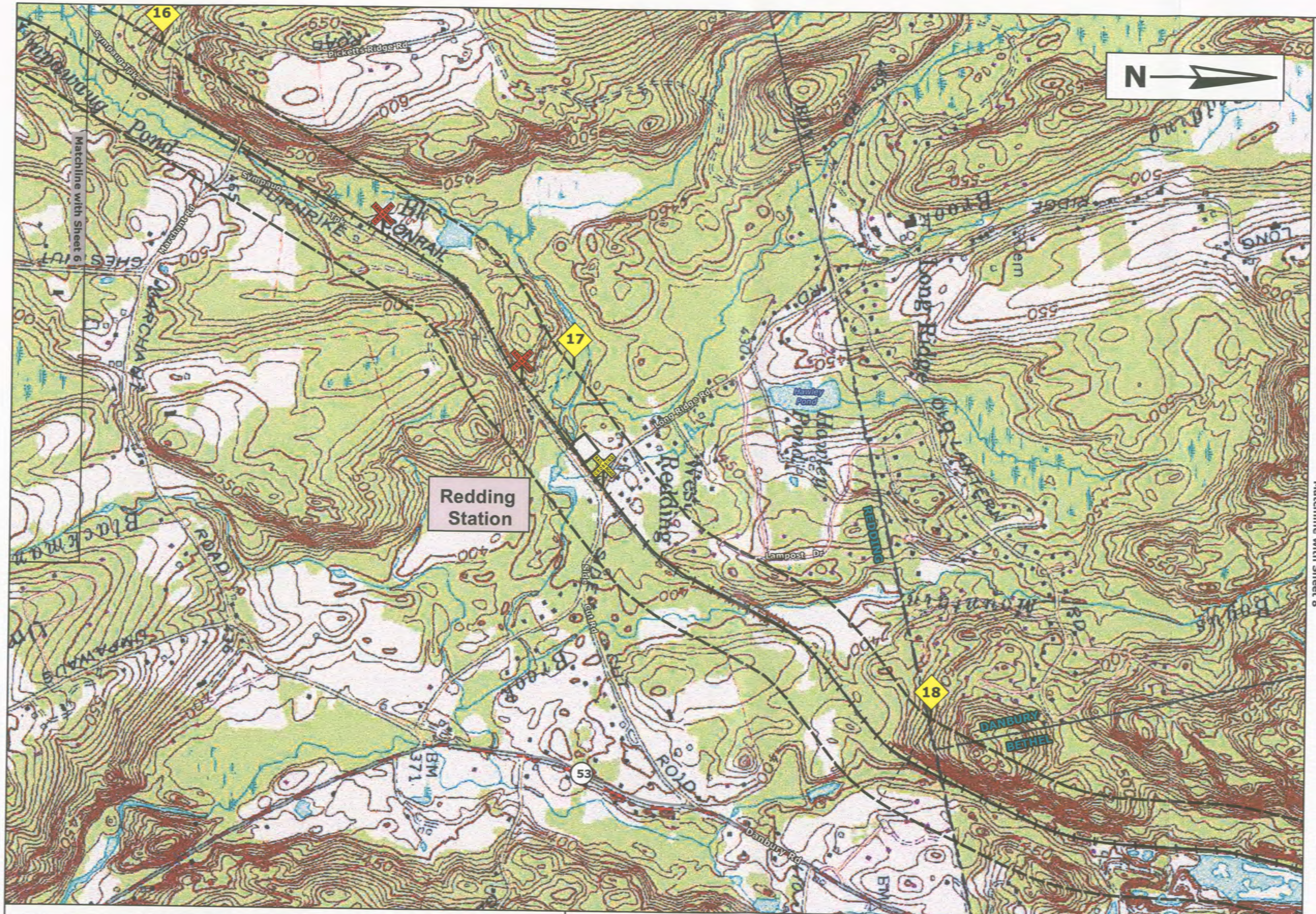
TOWN(S): RIDGEFIELD, REDDING

MAP TITLE: TOPOGRAPHIC BASE MAP

PROJECT NO: 302-008

MAP NO:

SHEET NO: 6 OF 14



Matchline with Sheet 8

Legend

- Railroad Track
- 1000 Foot Study Corridor
- Town Boundary
- Railroad Station
- Proposed Location of New Railroad Station
- 1 Railroad Milepost Marker
- Railroad Crossing
- Private Railroad Crossing
- 95 Interstate Highway
- 7 US Highway
- 15 State Road
- Local Road
- Rivers/Streams
- Lakes/Ponds

Data Sources:

Topographic Map: USGS, CT DEP
Roads layer: CT DEP, updated by URS
RR Track: CT DEP
Town Boundary: CT DEP
RR Milepost Markers and
Grade Crossings: Metro-North Track Charts

MAP SCALE

Feet

0 1,000 2,000

ONE INCH =1000 FEET

PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**	**STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION**	TOWN(S): REDDING, BETHEL, DANBURY	PROJECT NO: 302-008
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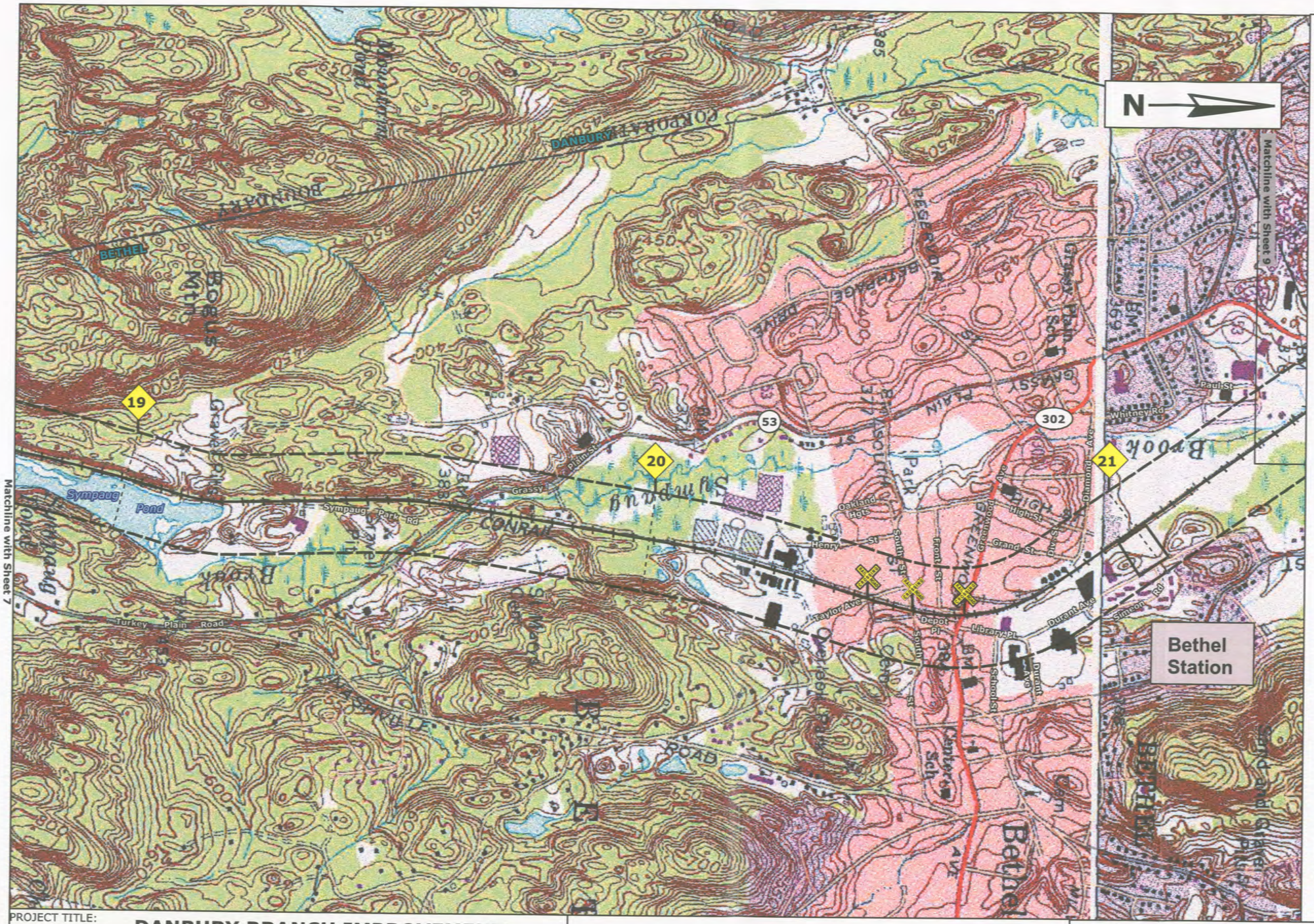

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DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

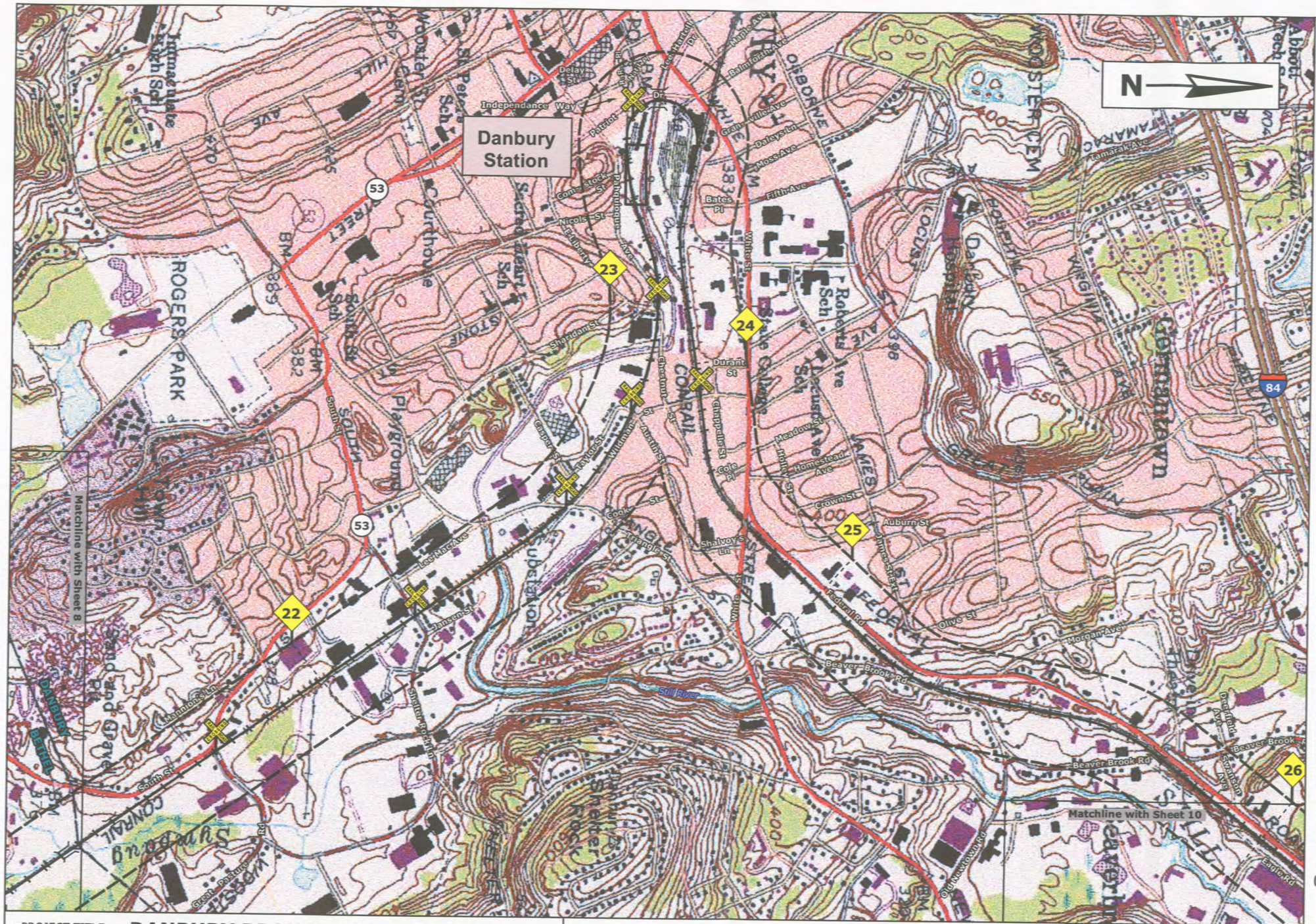
TOWN(S): BETHEL, DANBURY

MAP TITLE: TOPOGRAPHIC BASE MAP

PROJECT NO: 302-008

MAP NO:

SHEET NO: 8 OF 14



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GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

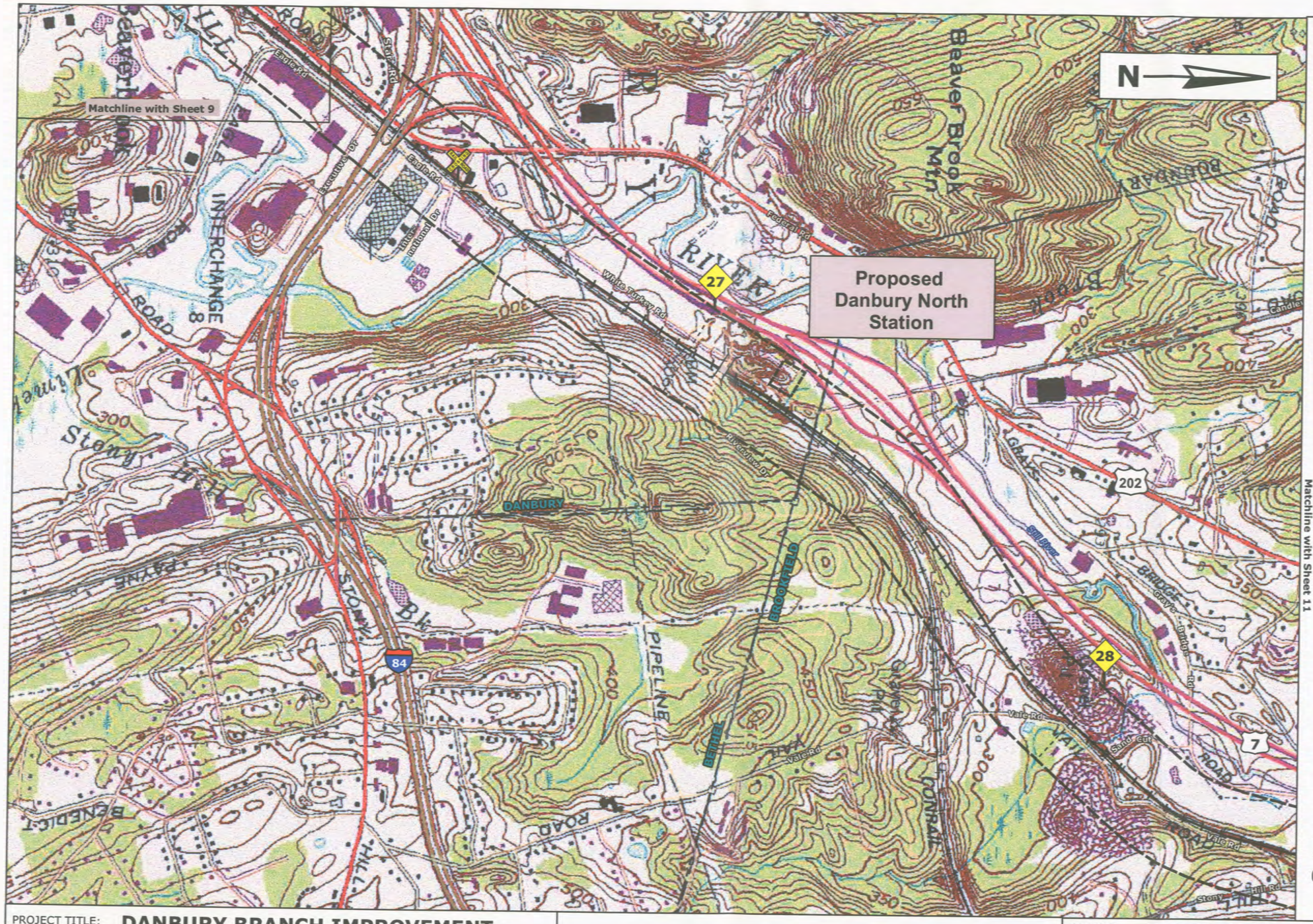
TOWN(S): DANBURY, BETHEL

PROJECT NO: 302-008

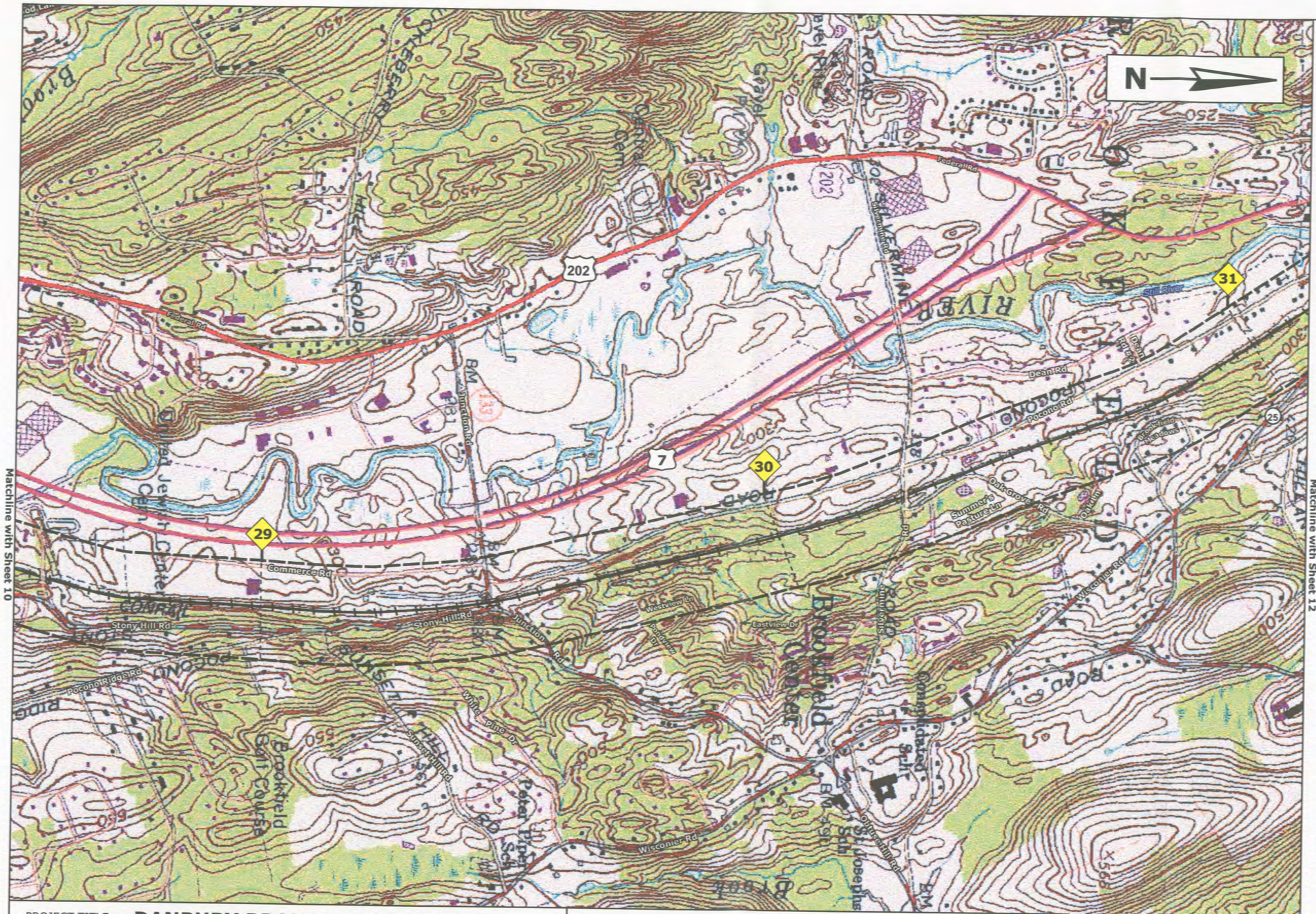
MAP TITLE: TOPOGRAPHIC BASE MAP

MAP NO:

SHEET NO: 9 OF 14



PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**	**STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION**	TOWN(S): DANBURY, BETHEL, BROOKFIELD	PROJECT NO: 302-008
GIS MAPPING BY: URS CORPORATION DATE: 02/2009		MAP TITLE: TOPOGRAPHIC BASE MAP	MAP NO:
			SHEET NO: 10 OF 14



PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

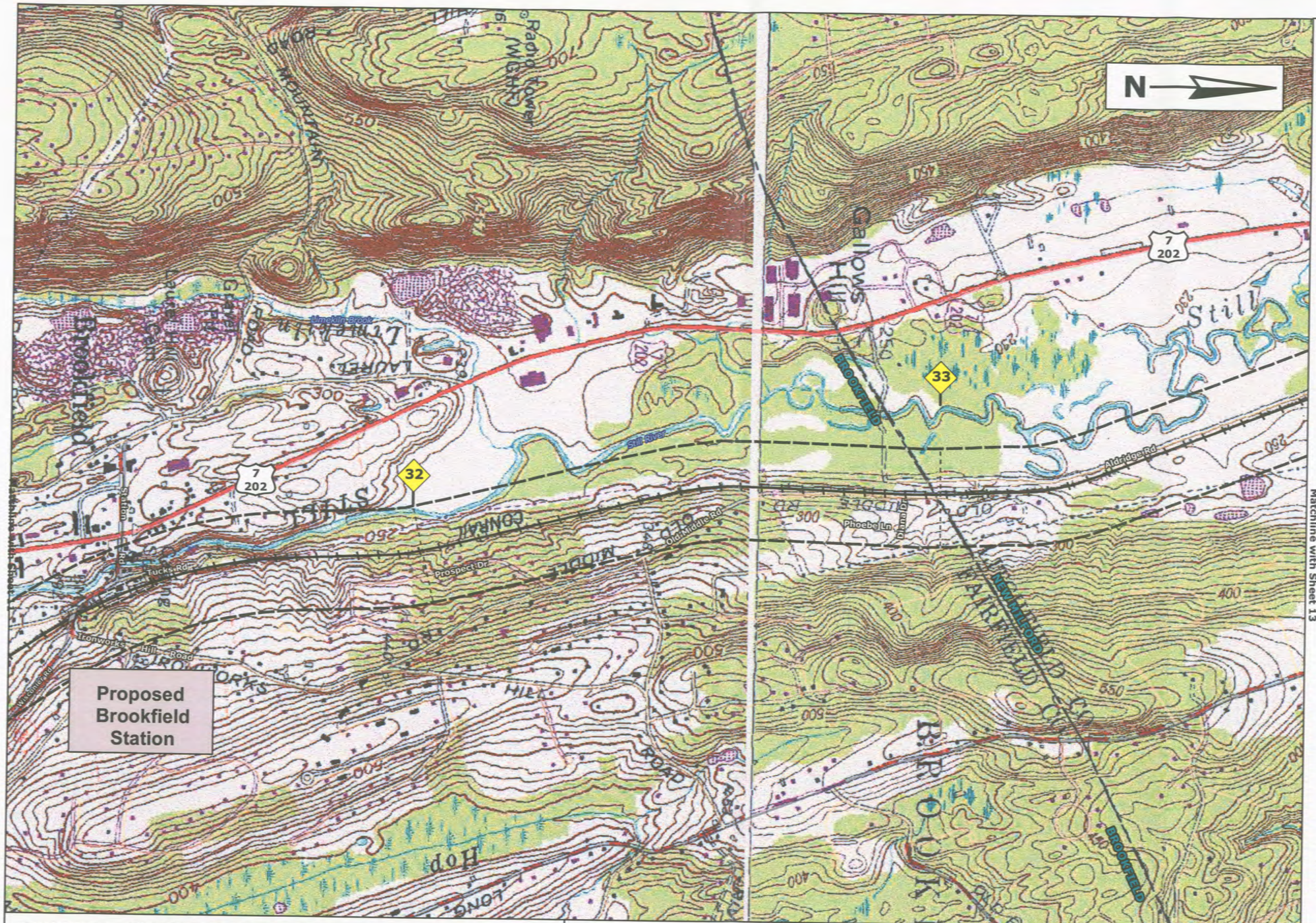
TOWN(S): BROOKFIELD

PROJECT NO: 302-008

MAP TITLE: TOPOGRAPHIC BASE MAP

MAP NO:

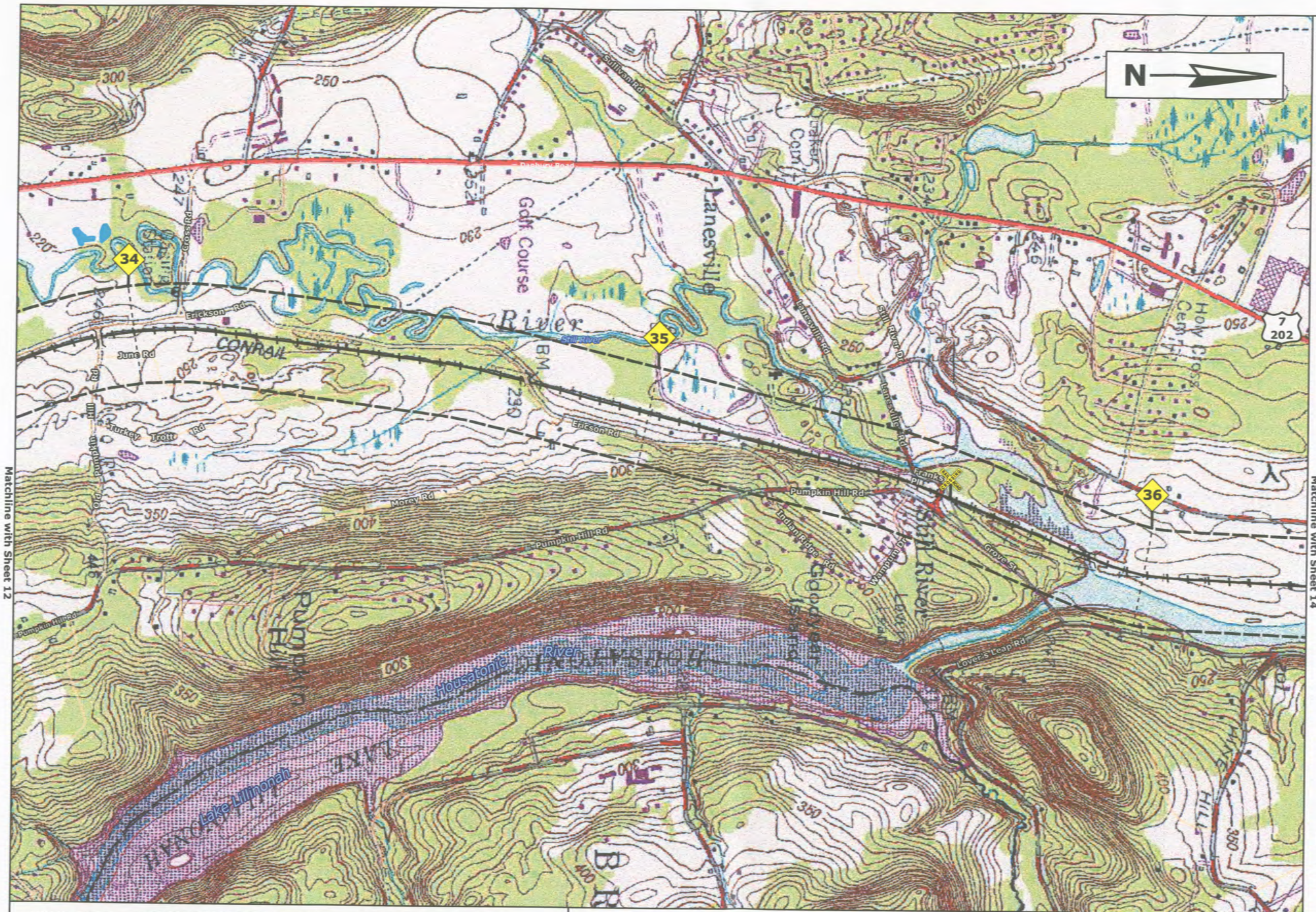
SHEET NO: 11 OF 14



Legend

- Railroad Track
- 1000 Foot Study Corridor
- Town Boundary
- Railroad Station
- Proposed Location of New Railroad Station
- Railroad Milepost Marker
- Railroad Crossing
- Private Railroad Crossing
- Interstate Highway
- US Highway
- State Road
- Local Road
- Rivers/Streams
- Lakes/Ponds

PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**	**STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION**	TOWN(S): BROOKFIELD, NEW MILFORD
GIS MAPPING BY: URS CORPORATION DATE: 02/2009		MAP TITLE: TOPOGRAPHIC BASE MAP
		PROJECT NO: 302-008
		MAP NO:
		SHEET NO: 12 OF 14



Data Sources:

Topographic Map: USGS, CT DEP
Roads layer: CT DEP, updated by URS
RR Track: CT DEP
Town Boundary: CT DEP
RR Milepost Markers and Grade Crossings: Metro-North Track Charts

MAP SCALE

Feet

0 1,000 2,000

ONE INCH =1000 FEET

PROJECT TITLE: **DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT**

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

TOWN(S): NEW MILFORD

MAP TITLE: TOPOGRAPHIC BASE MAP

PROJECT NO: 302-008

MAP NO:

SHEET NO: 13 OF 14

Matchline with Sheet 13

Proposed New Milford Station

Housatonic River

Great Brook

Legend

- Railroad Track
- 1000 Foot Study Corridor
- Town Boundary
- Railroad Station
- Proposed Location of New Railroad Station
- Railroad Milepost Marker
- Railroad Crossing
- Private Railroad Crossing
- Interstate Highway
- US Highway
- State Road
- Local Road
- Rivers/Streams
- Lakes/Ponds

Data Sources:
Topographic Map: USGS, CT DEP
Roads layer: CT DEP, updated by URS
RR Track: CT DEP
Town Boundary: CT DEP
RR Milepost Markers and Grade Crossings: Metro-North Track Charts

MAP SCALE

Feet

0 1,000 2,000

ONE INCH =1000 FEET

PROJECT TITLE:

DANBURY BRANCH IMPROVEMENT PROGRAM & ELECTRIFICATION ENVIRONMENTAL IMPACT STATEMENT

GIS MAPPING BY: URS CORPORATION DATE: 02/2009

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

TOWN(S): NEW MILFORD

PROJECT NO: 302-008

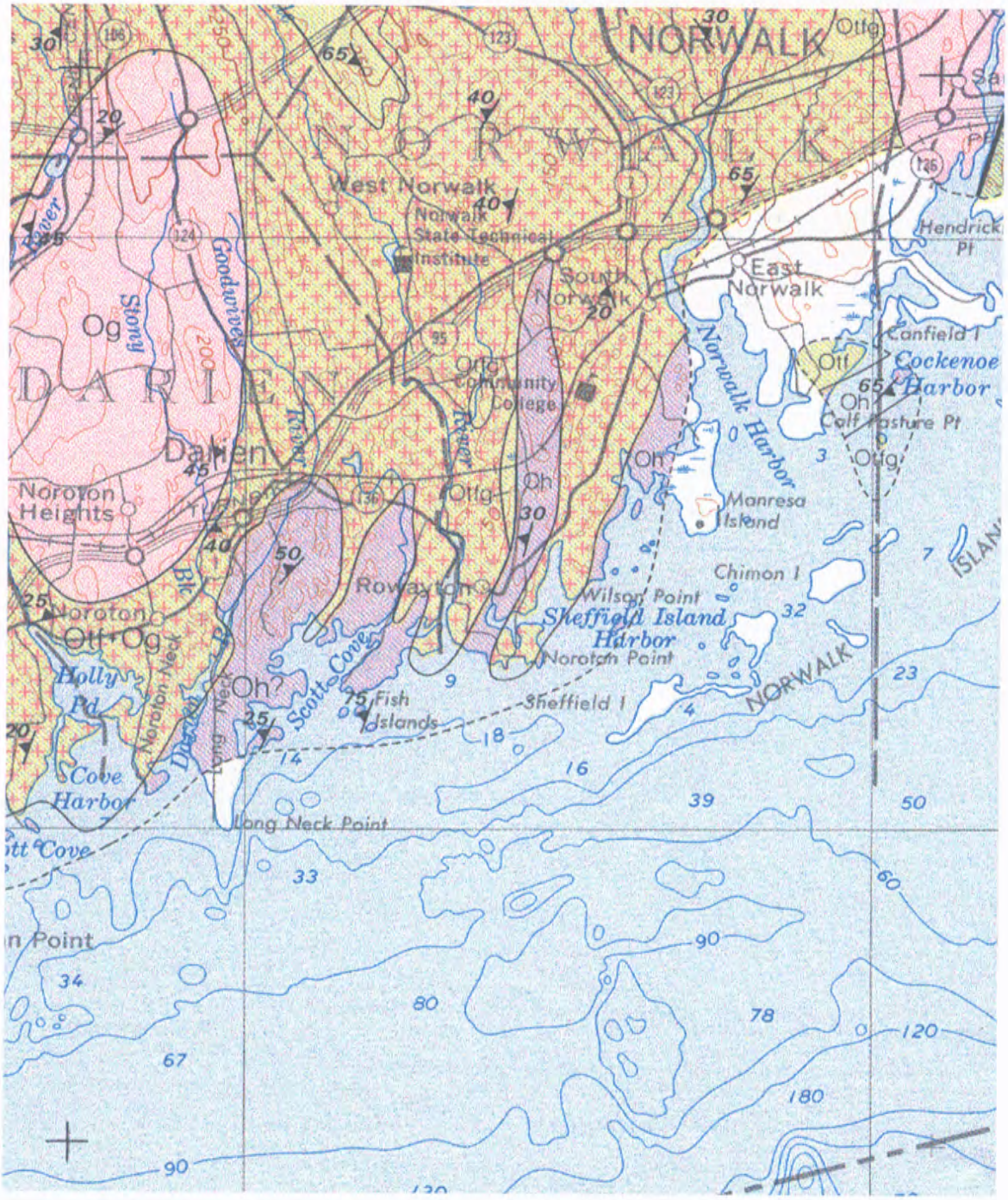
MAP TITLE: TOPOGRAPHIC BASE MAP

MAP NO:

SHEET NO: 14 OF 14

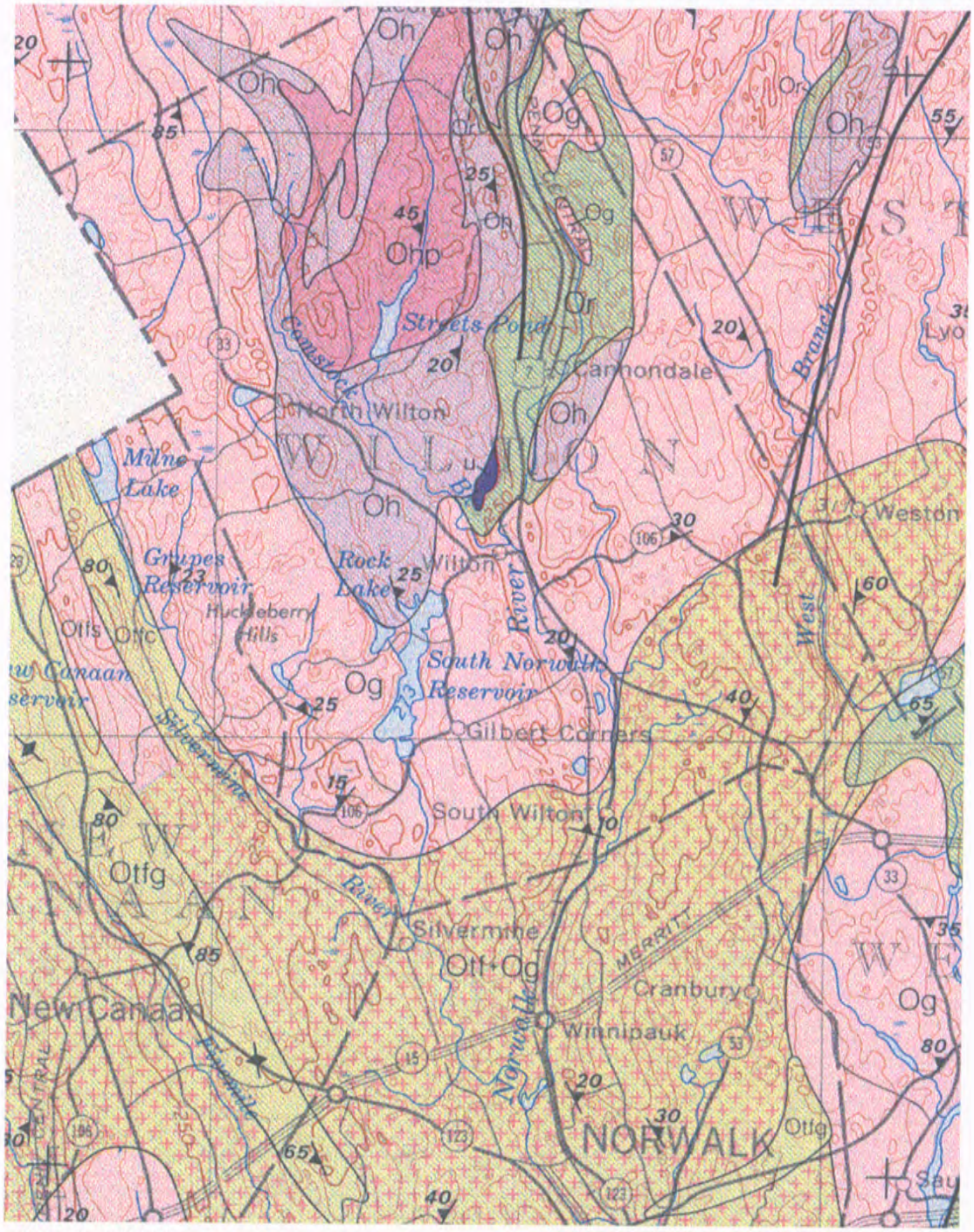
APPENDIX B

BEDROCK GEOLOGY REFERENCE MAPS
DANBURY BRANCH STUDY



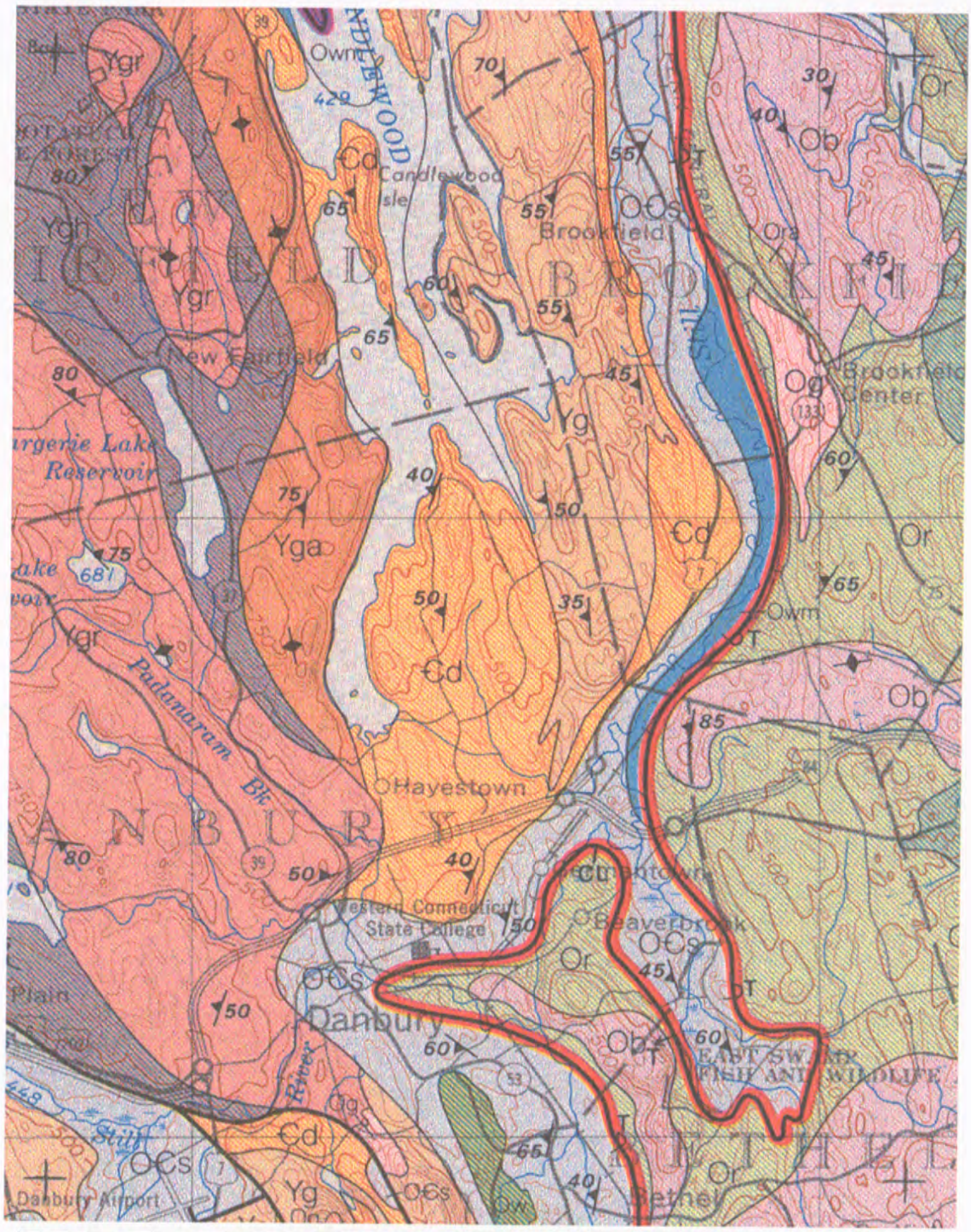
Norwalk South Quadrangle
Danbury Branch Bedrock Geology

Northwest Corner	Southwest Corner	Northeast Corner	Southeast Corner
Lat: 41° 07' 30"	Lat: 41° 00' 00"	Lat: 41° 07' 30"	Lat: 41° 00' 00"
Long: 73° 30' 00"	Long: 73° 30' 00"	Long: 73° 22' 30"	Long: 73° 22' 30"



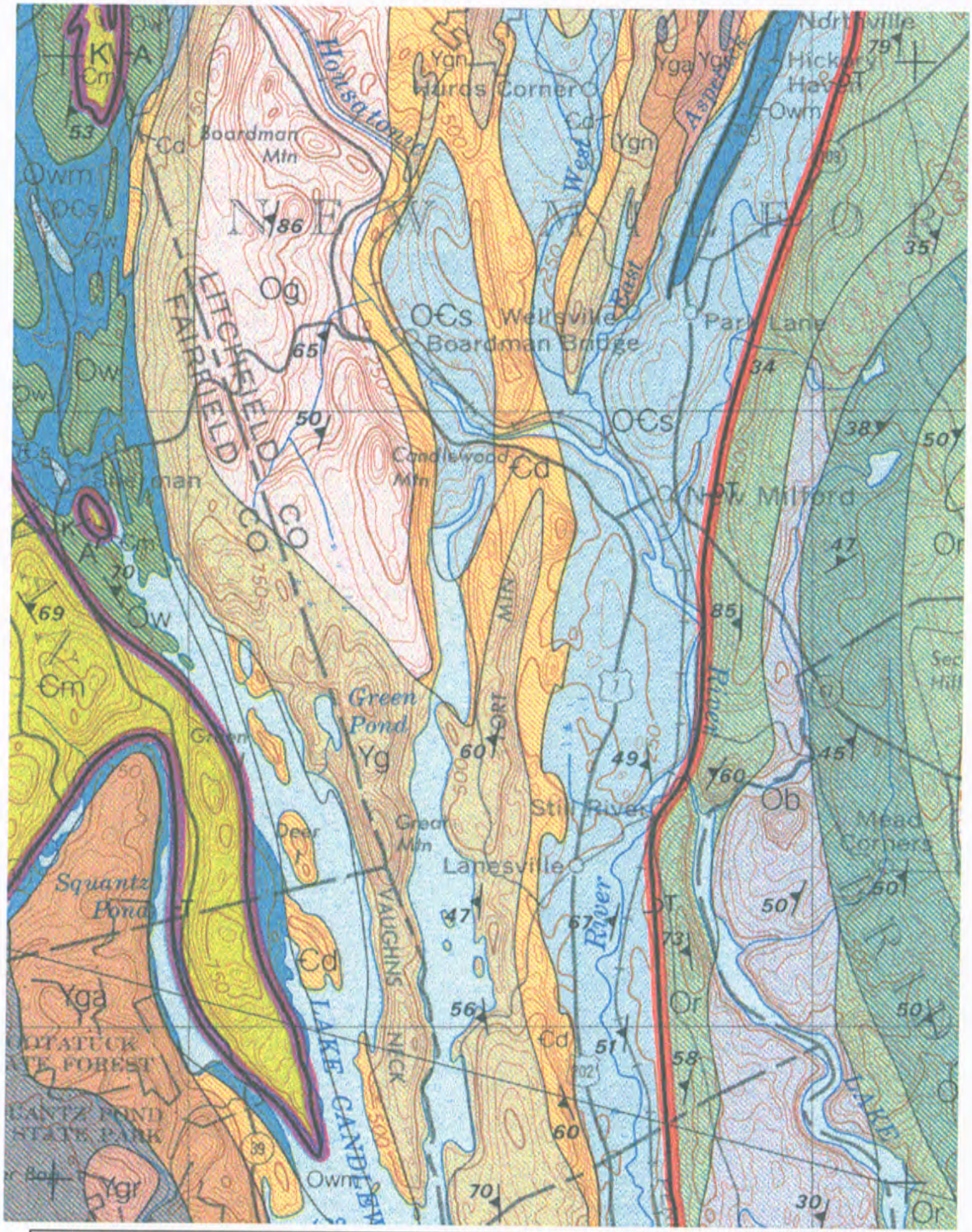
Norwalk North Quadrangle
Danbury Branch Bedrock Geology

Northwest Corner	Southwest Corner	Northeast Corner	Southeast Corner
Lat: 41° 15' 00" Long: 73° 30' 00"	Lat: 41° 15' 00" Long: 73° 30' 00"	Lat: 41° 15' 00" Long: 73° 30' 00"	Lat: 41° 15' 00" Long: 73° 30' 00"
Lat: 41° 07' 30" Long: 73° 30' 00"	Lat: 41° 07' 30" Long: 73° 30' 00"	Lat: 41° 07' 30" Long: 73° 30' 00"	Lat: 41° 07' 30" Long: 73° 30' 00"



Danbury Quadrangle
Danbury Branch Bedrock Geology

Northwest Corner	Southwest Corner	Northeast Corner	Southeast Corner
Lat: 41° 30' 00" Long: 73° 30' 00"	Lat: 41° 30' 00" Long: 73° 30' 00"	Lat: 41° 30' 00" Long: 73° 30' 00"	Lat: 41° 30' 00" Long: 73° 30' 00"
Lat: 41° 22' 30" Long: 73° 30' 00"	Lat: 41° 22' 30" Long: 73° 30' 00"	Lat: 41° 22' 30" Long: 73° 30' 00"	Lat: 41° 22' 30" Long: 73° 30' 00"



New Milford Quadrangle
Danbury Branch Bedrock Geology

Northwest Corner	Southwest Corner	Northeast Corner	Southeast Corner
Lat: 41° 37' 30" Long: 73° 30' 00"	Lat: 41° 37' 30" Long: 73° 30' 00"	Lat: 41° 37' 30" Long: 73° 30' 00"	Lat: 41° 37' 30" Long: 73° 30' 00"
Lat: 41° 30' 00" Long: 73° 30' 00"	Lat: 41° 30' 00" Long: 73° 30' 00"	Lat: 41° 30' 00" Long: 73° 30' 00"	Lat: 41° 30' 00" Long: 73° 30' 00"

APPENDIX C

USDA NCSC REFERENCE MAPS
SOILS CLASSIFICATION
DANBURY BRANCH STUDY CORRIDOR

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features

Municipalities
- Cities
- Urban Areas

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails

Roads
- Interstate Highways
- US Routes
- State Highways
- Local Roads
- Other Roads

MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 18N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
Survey Area Data: Version 6, Mar 22, 2007

Date(s) aerial images were photographed: 4/12/1991

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map–State of Connecticut
(AOI 1 Map 1)

Natural Resources Conservation Service

Web Soil Survey 2.0
National Cooperative Soil Survey

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	7.9	4.1%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	0.2	0.1%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	0.8	0.4%
260D	Charlton-Urban land complex, 15 to 25 percent slopes	2.7	1.4%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	15.3	8.0%
273E	Urban land-Charlton-Chatfield complex, rocky, 15 to 45 percent slopes	3.2	1.7%
275C	Urban land-Chatfield complex, rocky, 3 to 15 percent slopes	2.5	1.3%
275E	Urban land-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	8.6	4.5%
306	Udorthents-Urban land complex	20.5	10.7%
307	Urban land	119.6	62.4%
308	Udorthents, smoothed	6.1	3.2%
W	Water	4.3	2.2%
Totals for Area of Interest (AOI)		191.8	100.0%

Soil Map–State of Connecticut
(AOI 2 Map 1)

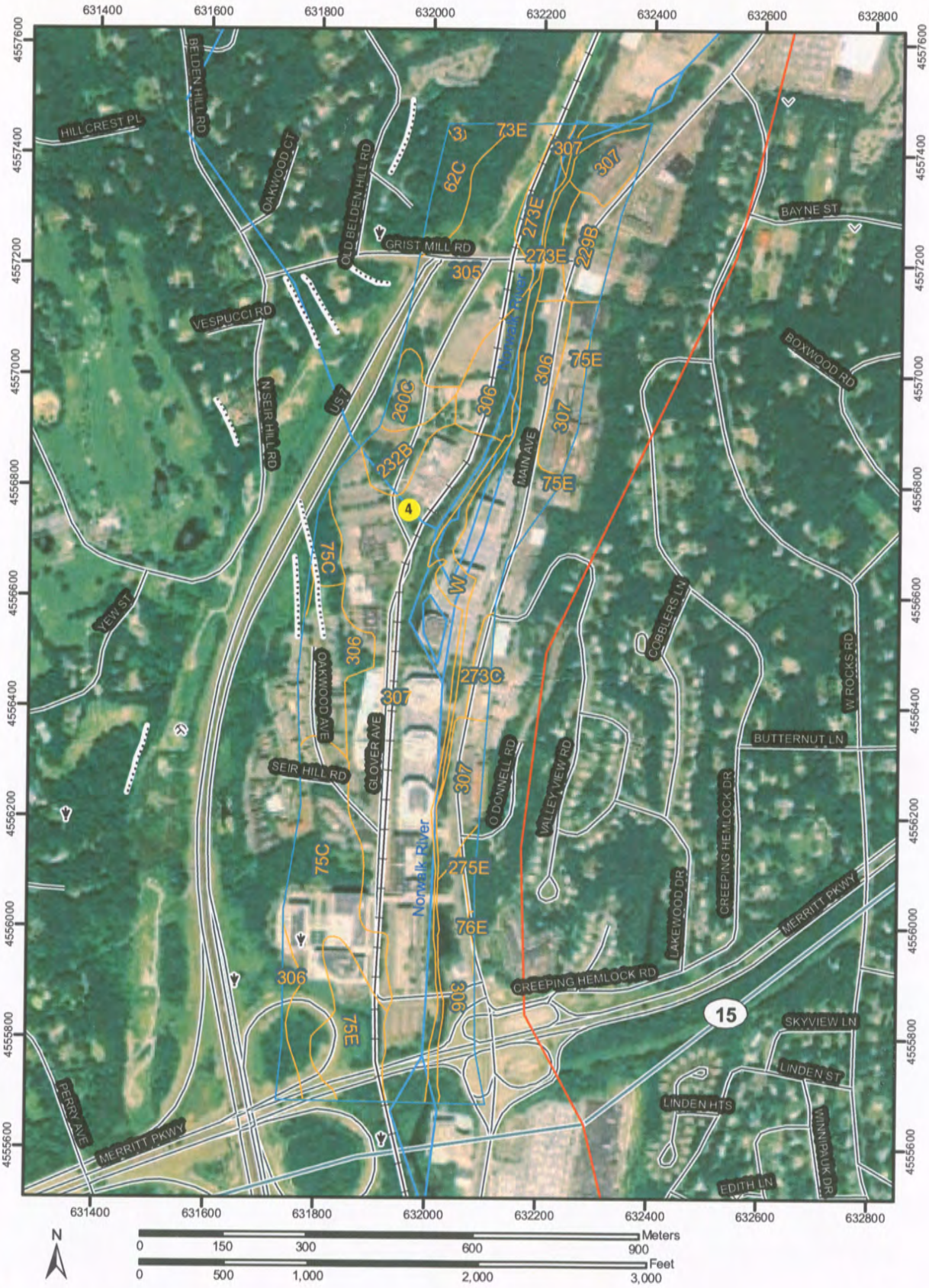
Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
229B	Agawam-Urban land complex, 0 to 8 percent slopes	17.6	10.4%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	6.5	3.8%
306	Udorthents-Urban land complex	25.1	14.8%
307	Urban land	100.6	59.2%
W	Water	20.1	11.8%
Totals for Area of Interest (AOI)		169.9	100.0%

Soil Map–State of Connecticut
(AOI 3 Map 2)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	4.4	2.1%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	12.8	6.1%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	34.9	16.6%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	11.4	5.5%
275E	Urban land-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	0.9	0.4%
306	Udorthents-Urban land complex	13.0	6.2%
307	Urban land	126.9	60.5%
W	Water	5.5	2.6%
Totals for Area of Interest (AOI)		209.7	100.0%


631400
631600
631800
632000
632200
632400
632600
632800
4557600
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4557200
4557000
4556800
4556600
4556400
4556200
4556000
4555800
4555600
HILLCREST PL
BELDEN HILL RD
OAKWOOD CT
OLD BELDEN HILL RD
GRIST MILL RD
VESPUCCI RD
N SEIR HILL RD
US 7
SEIR HILL RD
YEW ST
OAKWOOD AVE
GLOVER AVE
MAIN AVE
O DONNELL RD
VALLEY VIEW RD
COBBLERS LN
BAYNE ST
BOXWOOD RD
W ROCKS RD
BUTTERNUT LN
CREEPING HEMLOCK DR
LAKEWOOD DR
MERRITT PKWY
CREEPING HEMLOCK RD
SKYVIEW LN
LINDEN ST
LINDEN HTS
WINNIPAUK DR
EDITH LN
PERRY AVE
Norwalk River
15
4
73E
62C
307
273E
229B
305
306
75E
260C
232B
76C
W
273C
275E
76E
306
75E
N
Meters
0
150
300
600
900
Feet
0
500
1,000
2,000
3,000

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
3	Ridgebury, Leicester, and Whitman soils, extremely stony	0.2	0.1%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	3.7	2.4%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	0.1	0.1%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	17.2	11.2%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	6.8	4.4%
76E	Rock outcrop-Hollis complex, 3 to 45 percent slopes	0.1	0.1%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	4.1	2.7%
232B	Haven-Urban land complex, 0 to 8 percent slopes	3.1	2.0%
260C	Charlton-Urban land complex, 8 to 15 percent slopes	2.6	1.7%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	1.5	1.0%
273E	Urban land-Charlton-Chatfield complex, rocky, 15 to 45 percent slopes	4.6	3.0%
275E	Urban land-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	0.8	0.5%
305	Udorthents-Pits complex, gravelly	15.6	10.2%
306	Udorthents-Urban land complex	31.9	20.8%
307	Urban land	54.6	35.6%
W	Water	6.4	4.2%
Totals for Area of Interest (AOI)		153.3	100.0%

Soil Map–State of Connecticut
(AOI 5 Map 3)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
3	Ridgebury, Leicester, and Whitman soils, extremely stony	2.7	1.4%
32B	Haven and Enfield soils, 3 to 8 percent slopes	40.9	20.6%
45B	Woodbridge fine sandy loam, 3 to 8 percent slopes	5.2	2.6%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	21.2	10.7%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	21.5	10.8%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	10.0	5.0%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	7.2	3.6%
103	Rippowam fine sandy loam	8.7	4.4%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	1.0	0.5%
232B	Haven-Urban land complex, 0 to 8 percent slopes	2.8	1.4%
260C	Charlton-Urban land complex, 8 to 15 percent slopes	4.9	2.5%
273E	Urban land-Charlton-Chatfield complex, rocky, 15 to 45 percent slopes	3.0	1.5%
305	Udorthents-Pits complex, gravelly	4.1	2.1%
306	Udorthents-Urban land complex	4.6	2.3%
307	Urban land	46.7	23.5%
W	Water	13.6	6.9%
Totals for Area of Interest (AOI)		198.3	100.0%

Soil Map–State of Connecticut
(AOI 6 Map 3)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	2.1	1.2%
32B	Haven and Enfield soils, 3 to 8 percent slopes	45.6	25.1%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	10.3	5.7%
60B	Canton and Charlton soils, 3 to 8 percent slopes	3.4	1.9%
60C	Canton and Charlton soils, 8 to 15 percent slopes	1.1	0.6%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	12.1	6.6%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	2.4	1.3%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	12.4	6.8%
102	Pootatuck fine sandy loam	24.9	13.7%
103	Rippowam fine sandy loam	3.4	1.9%
232B	Haven-Urban land complex, 0 to 8 percent slopes	7.1	3.9%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	2.7	1.5%
275C	Urban land-Chatfield complex, rocky, 3 to 15 percent slopes	2.6	1.4%
305	Udorthents-Pits complex, gravelly	2.6	1.4%
306	Udorthents-Urban land complex	19.4	10.7%
307	Urban land	12.7	7.0%
W	Water	16.8	9.2%
Totals for Area of Interest (AOI)		181.8	100.0%

Soil Map–State of Connecticut
(AOI 7 Map 4)

Map Unit Legend

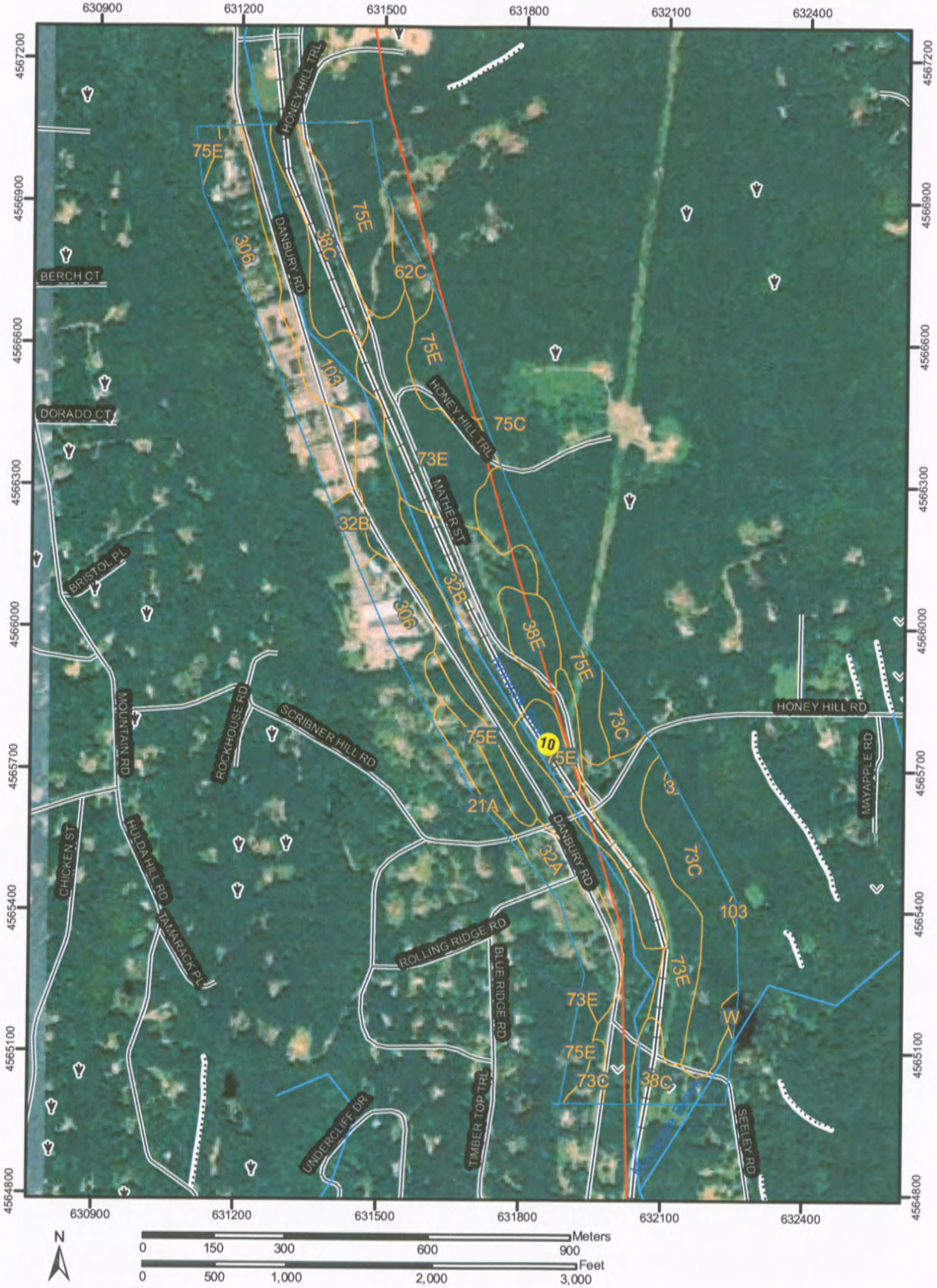
State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	1.5	0.8%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	7.4	3.9%
32B	Haven and Enfield soils, 3 to 8 percent slopes	18.3	9.7%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	10.0	5.3%
60B	Canton and Charlton soils, 3 to 8 percent slopes	0.5	0.2%
60D	Canton and Charlton soils, 15 to 25 percent slopes	5.4	2.9%
61B	Canton and Charlton soils, 3 to 8 percent slopes, very stony	11.4	6.0%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	1.2	0.6%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	6.6	3.5%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	12.7	6.7%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	7.9	4.2%
102	Pootatuck fine sandy loam	32.6	17.3%
103	Rippowam fine sandy loam	1.2	0.6%
232B	Haven-Urban land complex, 0 to 8 percent slopes	7.9	4.2%
306	Udorthents-Urban land complex	21.2	11.2%
307	Urban land	34.0	18.1%
308	Udorthents, smoothed	0.5	0.3%
W	Water	8.4	4.5%
Totals for Area of Interest (AOI)		188.5	100.0%

Soil Map–State of Connecticut
(AOI 8 Map 4)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	9.5	5.2%
32A	Haven and Enfield soils, 0 to 3 percent slopes	0.5	0.3%
32B	Haven and Enfield soils, 3 to 8 percent slopes	62.7	34.1%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	12.4	6.7%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	4.1	2.2%
60B	Canton and Charlton soils, 3 to 8 percent slopes	12.8	6.9%
60C	Canton and Charlton soils, 8 to 15 percent slopes	7.4	4.0%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	7.8	4.2%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	14.7	8.0%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	3.9	2.1%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	1.3	0.7%
103	Rippowam fine sandy loam	29.6	16.1%
306	Udorthents-Urban land complex	16.0	8.7%
W	Water	1.2	0.6%
Totals for Area of Interest (AOI)		183.8	100.0%

Soil Map–State of Connecticut
(AOI 9 Map 5)



Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	0.2	0.1%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	0.9	0.4%
32A	Haven and Enfield soils, 0 to 3 percent slopes	12.0	6.0%
32B	Haven and Enfield soils, 3 to 8 percent slopes	21.9	10.9%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	14.9	7.5%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	4.5	2.2%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	2.4	1.2%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	17.3	8.7%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	30.1	15.1%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	0.2	0.1%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	36.4	18.2%
103	Rippowam fine sandy loam	37.1	18.6%
306	Udorthents-Urban land complex	21.5	10.7%
W	Water	0.5	0.2%
Totals for Area of Interest (AOI)		199.7	100.0%

Soil Map–State of Connecticut
(AOI 10 Map 5)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	0.0	0.0%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	10.3	4.6%
60B	Canton and Charlton soils, 3 to 8 percent slopes	9.4	4.2%
60D	Canton and Charlton soils, 15 to 25 percent slopes	17.3	7.7%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	1.2	0.6%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	16.3	7.3%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	45.2	20.2%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	7.3	3.3%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	9.2	4.1%
76E	Rock outcrop-Hollis complex, 3 to 45 percent slopes	2.0	0.9%
103	Rippowam fine sandy loam	17.7	7.9%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	41.8	18.7%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	0.0	0.0%
306	Udorthents-Urban land complex	12.8	5.7%
307	Urban land	28.8	12.9%
W	Water	4.7	2.1%
Totals for Area of Interest (AOI)		224.1	100.0%

Soil Map–State of Connecticut
(AOI 11 Map 6)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	3.9	2.0%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	4.2	2.2%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	38.5	20.0%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	52.6	27.3%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	4.6	2.4%
76F	Rock outcrop-Hollis complex, 45 to 60 percent slopes	18.9	9.8%
103	Rippowam fine sandy loam	1.3	0.7%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	16.6	8.6%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	2.9	1.5%
306	Udorthents-Urban land complex	43.8	22.8%
307	Urban land	5.2	2.7%
Totals for Area of Interest (AOI)		192.5	100.0%

Soil Map–State of Connecticut
(AOI 12 Map 6)

Map Unit Legend

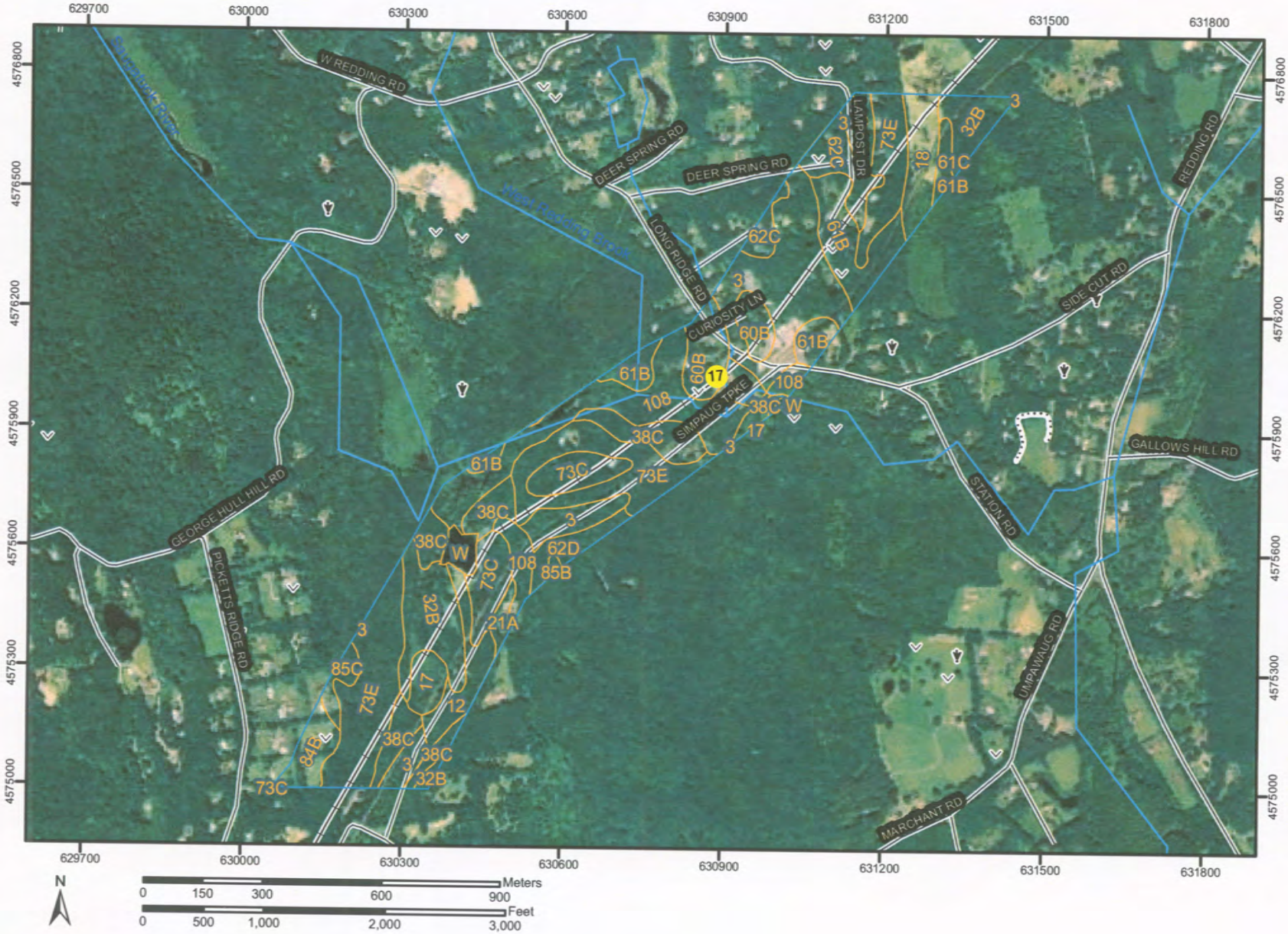
State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
3	Ridgebury, Leicester, and Whitman soils, extremely stony	7.3	3.9%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	38.2	20.4%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	30.7	16.4%
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	13.4	7.2%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	36.2	19.3%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	50.5	27.0%
76F	Rock outcrop-Hollis complex, 45 to 60 percent slopes	3.6	1.9%
306	Udorthents-Urban land complex	6.2	3.3%
307	Urban land	0.0	0.0%
W	Water	1.2	0.6%
Totals for Area of Interest (AOI)		187.2	100.0%

Soil Map–State of Connecticut
(AOI 13 Map 7)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	2.3	1.3%
17	Timakwa and Natchaug soils	13.5	7.6%
18	Catden and Freetown soils	15.2	8.6%
32B	Haven and Enfield soils, 3 to 8 percent slopes	1.1	0.6%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	29.8	16.7%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	2.1	1.2%
47C	Woodbridge fine sandy loam, 2 to 15 percent slopes, extremely stony	2.6	1.5%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	8.3	4.7%
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	7.7	4.3%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	21.0	11.8%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	41.7	23.4%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	3.3	1.9%
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	0.8	0.4%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	12.7	7.2%
86C	Paxton and Montauk fine sandy loams, 3 to 15 percent slopes, extremely stony	0.2	0.1%
306	Udorthents-Urban land complex	13.3	7.5%
W	Water	2.5	1.4%
Totals for Area of Interest (AOI)		178.2	100.0%

Soil Map–State of Connecticut
(AOI 14 Map 7)



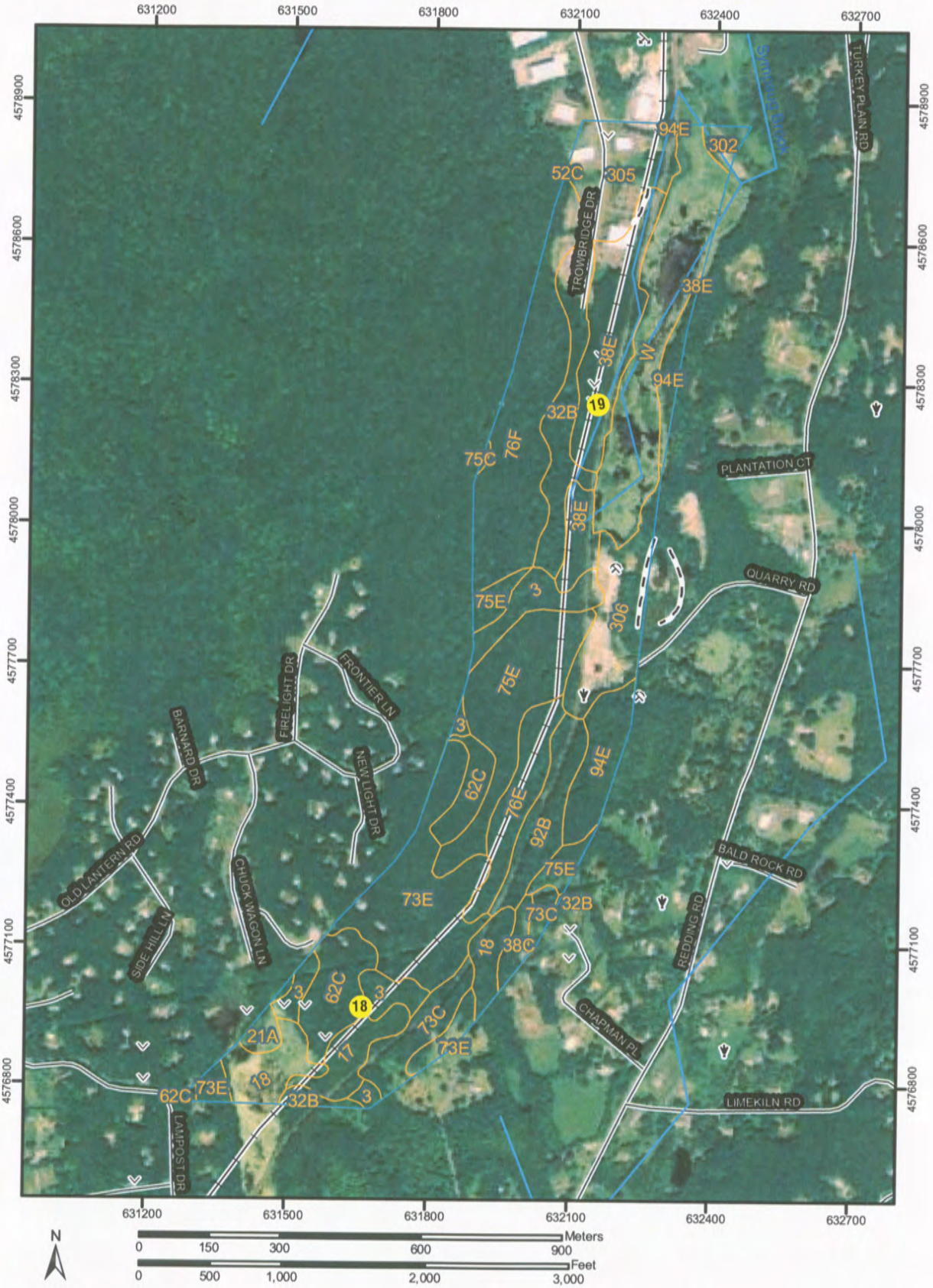
Natural Resources
Conservation Service

Web Soil Survey 2.0
National Cooperative Soil Survey

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	27.5	14.5%
12	Raypol silt loam	5.9	3.1%
17	Timakwa and Natchaug soils	4.2	2.2%
18	Catden and Freetown soils	6.3	3.3%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	1.4	0.7%
32B	Haven and Enfield soils, 3 to 8 percent slopes	15.3	8.1%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	16.5	8.7%
60B	Canton and Charlton soils, 3 to 8 percent slopes	8.4	4.4%
61B	Canton and Charlton soils, 3 to 8 percent slopes, very stony	14.1	7.5%
61C	Canton and Charlton soils, 8 to 15 percent slopes, very stony	1.7	0.9%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	8.6	4.5%
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	3.5	1.8%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	9.7	5.1%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	35.2	18.6%
84B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes	4.3	2.3%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	0.3	0.1%
85C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes, very stony	2.0	1.1%
108	Saco silt loam	22.4	11.8%
W	Water	2.2	1.1%
Totals for Area of Interest (AOI)		189.7	100.0%

Soil Map–State of Connecticut
(AOI 15 Map 8)



USDA Natural Resources Conservation Service

Web Soil Survey 2.0
National Cooperative Soil Survey

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	9.6	4.8%
17	Timakwa and Natchaug soils	4.7	2.4%
18	Catden and Freetown soils	8.4	4.2%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	1.4	0.7%
32B	Haven and Enfield soils, 3 to 8 percent slopes	10.4	5.2%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	1.8	0.9%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	16.3	8.1%
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	0.0	0.0%
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	10.5	5.2%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	6.9	3.4%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	21.1	10.5%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	0.2	0.1%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	19.0	9.5%
76E	Rock outcrop-Hollis complex, 3 to 45 percent slopes	7.3	3.7%
76F	Rock outcrop-Hollis complex, 45 to 60 percent slopes	21.2	10.6%
92B	Nellis fine sandy loam, 3 to 8 percent slopes	7.3	3.7%
94E	Farmington-Nellis complex, 15 to 35 percent slopes, very rocky	9.3	4.6%
302	Dumps	1.5	0.8%
305	Udorthents-Pits complex, gravelly	10.8	5.4%
306	Udorthents-Urban land complex	11.0	5.5%
W	Water	22.2	11.0%

Totals for Area of Interest (AOI)	201.0	100.0%

Soil Map–State of Connecticut
(AOI 16 Map 8)

Map Unit Legend

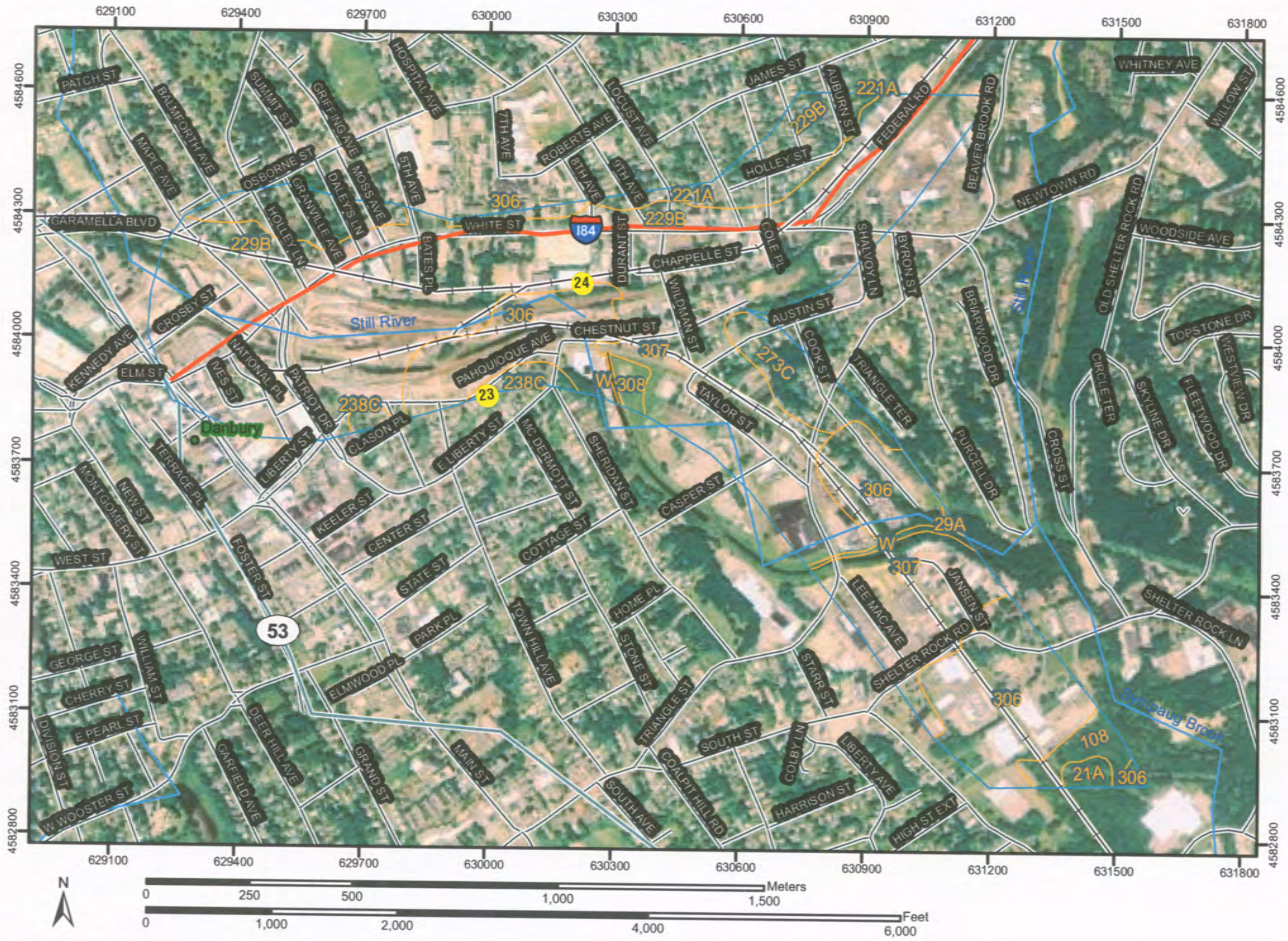
State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
15	Scarboro muck	0.8	0.4%
18	Catden and Freetown soils	25.8	15.0%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	2.2	1.3%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	0.9	0.5%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	11.3	6.6%
76E	Rock outcrop-Hollis complex, 3 to 45 percent slopes	1.9	1.1%
94C	Farmington-Nellis complex, 3 to 15 percent slopes, very rocky	5.1	3.0%
94E	Farmington-Nellis complex, 15 to 35 percent slopes, very rocky	19.3	11.2%
103	Rippowam fine sandy loam	5.0	2.9%
221A	Ninigret-Urban land complex, 0 to 5 percent slopes	3.3	1.9%
302	Dumps	3.8	2.2%
305	Udorthents-Pits complex, gravelly	2.1	1.2%
306	Udorthents-Urban land complex	76.9	44.7%
308	Udorthents, smoothed	13.0	7.5%
W	Water	0.5	0.3%
Totals for Area of Interest (AOI)		172.1	100.0%

Soil Map–State of Connecticut
(AOI 17 Map 9)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
12	Raypol silt loam	5.7	3.0%
17	Timakwa and Natchaug soils	19.3	10.1%
18	Catden and Freetown soils	20.1	10.4%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	10.6	5.5%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	2.1	1.1%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	2.0	1.0%
94C	Farmington-Nellis complex, 3 to 15 percent slopes, very rocky	0.3	0.2%
94E	Farmington-Nellis complex, 15 to 35 percent slopes, very rocky	6.7	3.5%
108	Saco silt loam	19.6	10.2%
221A	Ninigret-Urban land complex, 0 to 5 percent slopes	6.1	3.2%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	4.5	2.3%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	5.7	3.0%
306	Udorthents-Urban land complex	64.3	33.4%
307	Urban land	25.2	13.1%
Totals for Area of Interest (AOI)		192.3	100.0%

Soil Map–State of Connecticut
(AOI 18 Map 9)



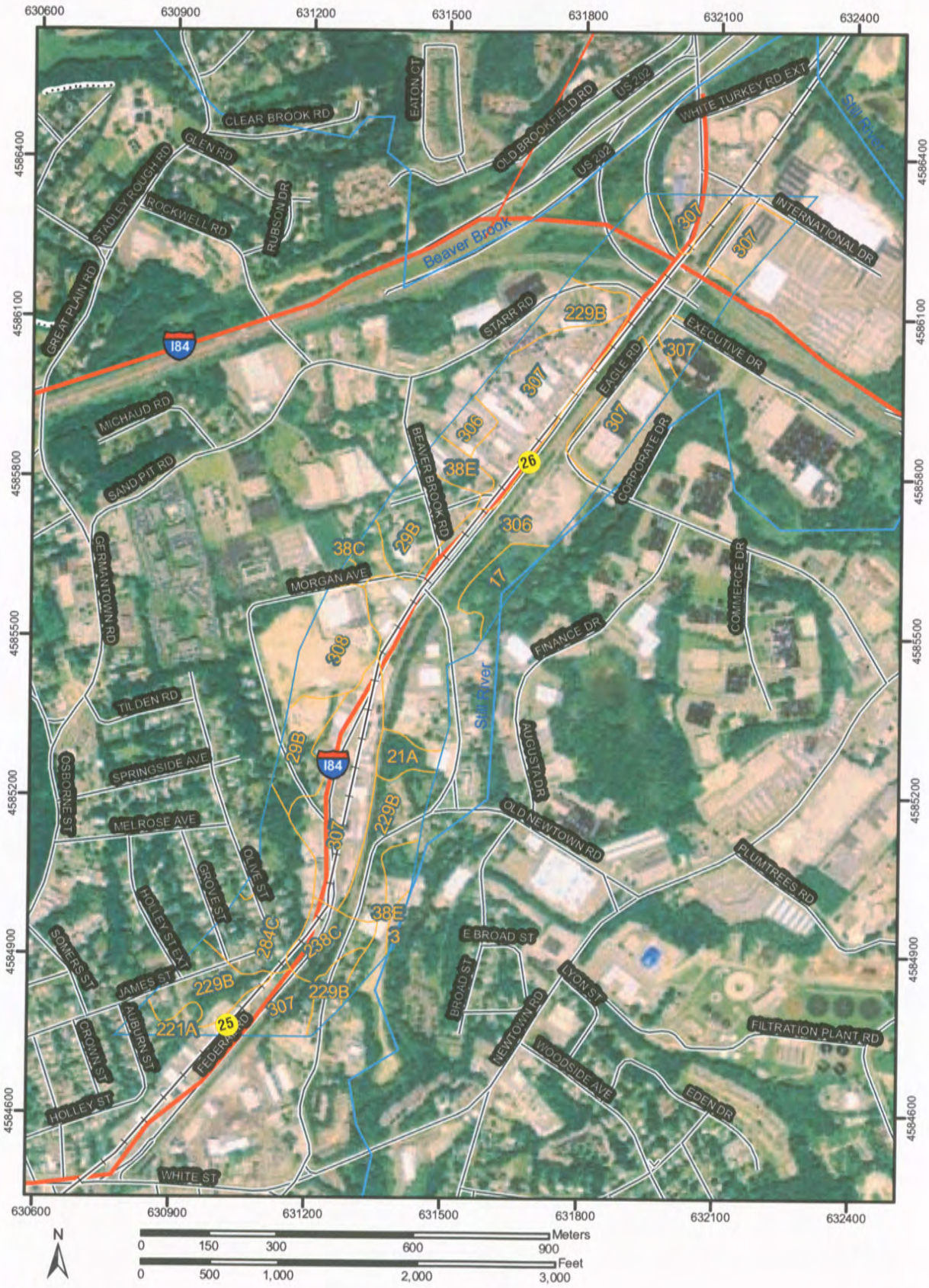
USDA Natural Resources Conservation Service

Web Soil Survey 2.0
National Cooperative Soil Survey

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	1.9	0.6%
29A	Agawam fine sandy loam, 0 to 3 percent slopes	0.3	0.1%
108	Saco silt loam	5.6	1.6%
221A	Ninigret-Urban land complex, 0 to 5 percent slopes	1.8	0.5%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	25.7	7.5%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	4.2	1.2%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	11.4	3.3%
306	Udorthents-Urban land complex	67.2	19.7%
307	Urban land	218.8	64.2%
308	Udorthents, smoothed	2.1	0.6%
W	Water	1.7	0.5%
Totals for Area of Interest (AOI)		340.6	100.0%

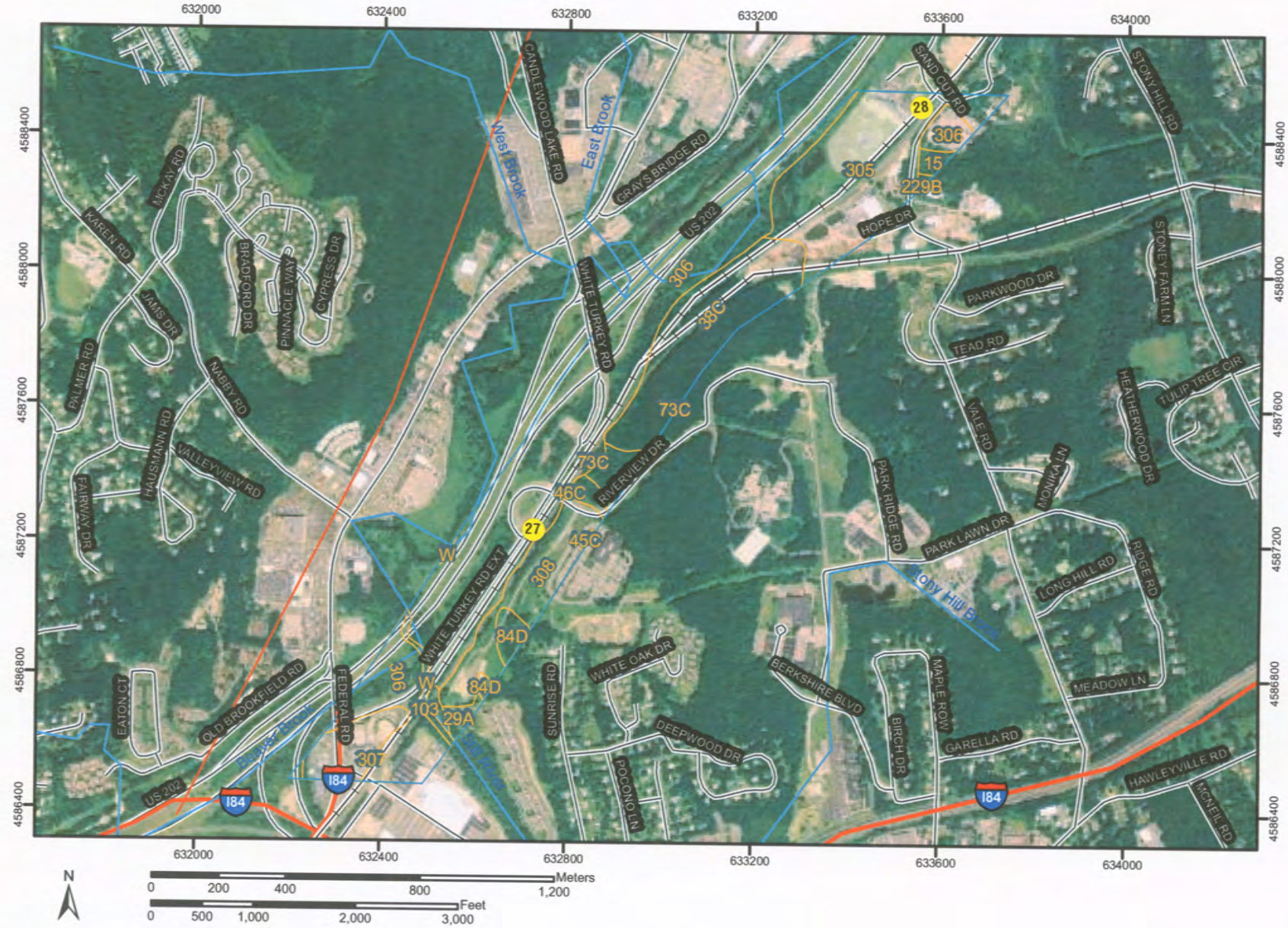
Soil Map–State of Connecticut
(AOI 19 Map 10)



Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
3	Ridgebury, Leicester, and Whitman soils, extremely stony	0.7	0.4%
17	Timakwa and Natchaug soils	4.0	2.2%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	2.5	1.3%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	13.7	7.5%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	2.1	1.1%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	6.3	3.4%
221A	Ninigret-Urban land complex, 0 to 5 percent slopes	1.7	0.9%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	20.9	11.4%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	4.9	2.7%
284B	Paxton-Urban land complex, 3 to 8 percent slopes	0.4	0.2%
284C	Paxton-Urban land complex, 8 to 15 percent slopes	12.4	6.8%
306	Udorthents-Urban land complex	52.6	28.7%
307	Urban land	52.2	28.5%
308	Udorthents, smoothed	8.7	4.7%
Totals for Area of Interest (AOI)		183.1	100.0%

Soil Map–State of Connecticut
(AOI 20 Map 10)



Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
15	Scarboro muck	1.4	0.6%
29A	Agawam fine sandy loam, 0 to 3 percent slopes	1.8	0.8%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	31.7	14.4%
45C	Woodbridge fine sandy loam, 8 to 15 percent slopes	0.3	0.1%
46C	Woodbridge fine sandy loam, 8 to 15 percent slopes, very stony	1.9	0.9%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	4.2	1.9%
84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	3.2	1.5%
103	Rippowam fine sandy loam	1.0	0.4%
229B	Agawam-Urban land complex, 0 to 8 percent slopes	0.3	0.1%
305	Udorthents-Pits complex, gravelly	43.0	19.5%
306	Udorthents-Urban land complex	101.8	46.1%
307	Urban land	9.6	4.4%
308	Udorthents, smoothed	18.5	8.4%
W	Water	2.1	0.9%
Totals for Area of Interest (AOI)		220.9	100.0%

Soil Map–State of Connecticut
(AOI 21 Map 11)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	0.7	0.4%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	1.1	0.6%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	4.5	2.5%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	7.8	4.3%
45B	Woodbridge fine sandy loam, 3 to 8 percent slopes	17.3	9.6%
45C	Woodbridge fine sandy loam, 8 to 15 percent slopes	15.8	8.8%
60C	Canton and Charlton soils, 8 to 15 percent slopes	0.3	0.2%
60D	Canton and Charlton soils, 15 to 25 percent slopes	2.4	1.3%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	4.1	2.3%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	14.0	7.8%
86D	Paxton and Montauk fine sandy loams, 15 to 35 percent slopes, extremely stony	11.1	6.1%
260C	Charlton-Urban land complex, 8 to 15 percent slopes	3.0	1.7%
305	Udorthents-Pits complex, gravelly	18.0	10.0%
306	Udorthents-Urban land complex	80.0	44.4%
W	Water	0.1	0.0%
Totals for Area of Interest (AOI)		180.1	100.0%

Soil Map–State of Connecticut
(AOI 22 Map 11)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	0.5	0.3%
12	Raypol silt loam	19.3	10.3%
13	Walpole sandy loam	5.9	3.2%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	16.8	9.0%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	31.7	17.0%
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	15.5	8.3%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	4.6	2.5%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	4.5	2.4%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	9.8	5.2%
84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	0.8	0.4%
94C	Farmington-Nellis complex, 3 to 15 percent slopes, very rocky	1.7	0.9%
221A	Ninigret-Urban land complex, 0 to 5 percent slopes	2.7	1.4%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	2.4	1.3%
245B	Woodbridge-Urban land complex, 0 to 8 percent slopes	2.5	1.4%
260C	Charlton-Urban land complex, 8 to 15 percent slopes	0.0	0.0%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	1.3	0.7%
275E	Urban land-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	1.2	0.6%
306	Udorthents-Urban land complex	65.1	34.9%
Totals for Area of Interest (AOI)		186.4	100.0%

Soil Map–State of Connecticut
(AOI 23 Map 12)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
12	Raypol silt loam	5.3	2.9%
13	Walpole sandy loam	21.4	11.8%
15	Scarboro muck	10.9	6.0%
18	Catden and Freetown soils	11.5	6.3%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	18.2	10.0%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	6.5	3.6%
45B	Woodbridge fine sandy loam, 3 to 8 percent slopes	4.6	2.5%
45C	Woodbridge fine sandy loam, 8 to 15 percent slopes	28.1	15.4%
84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	23.7	13.1%
94C	Farmington-Nellis complex, 3 to 15 percent slopes, very rocky	12.6	6.9%
102	Pootatuck fine sandy loam	0.7	0.4%
221A	Ninigret-Urban land complex, 0 to 5 percent slopes	3.8	2.1%
245B	Woodbridge-Urban land complex, 0 to 8 percent slopes	3.3	1.8%
306	Udorthents-Urban land complex	12.2	6.7%
307	Urban land	13.0	7.2%
W	Water	5.9	3.2%
Totals for Area of Interest (AOI)		181.6	100.0%

Soil Map–State of Connecticut
(AOI 24 Map 12)

Map Unit Legend

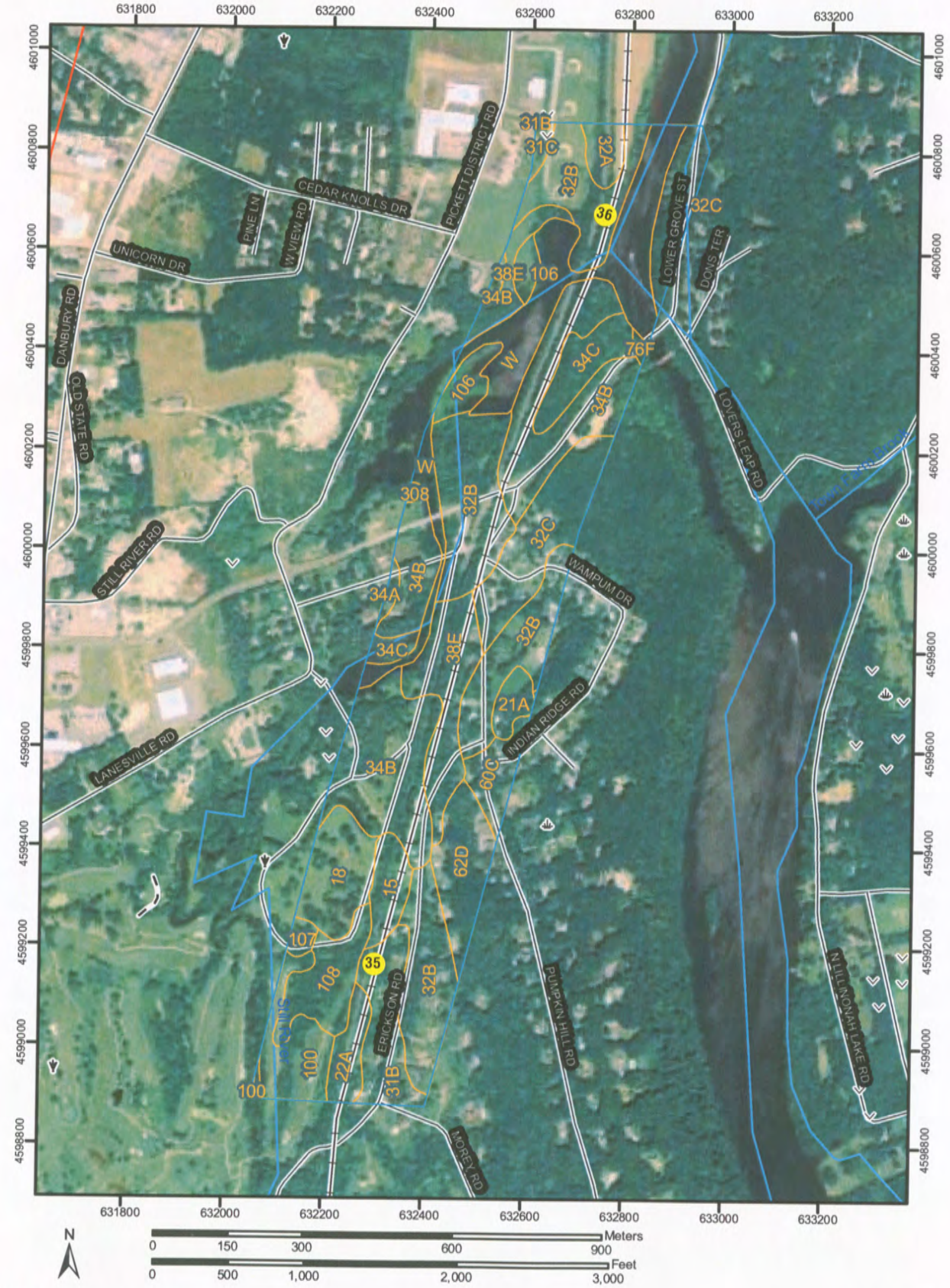
State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
13	Walpole sandy loam	23.4	12.9%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	8.5	4.7%
22A	Hero gravelly loam, 0 to 3 percent slopes	2.7	1.5%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	32.4	17.8%
31B	Copake fine sandy loam, 3 to 8 percent slopes	8.4	4.6%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	13.0	7.1%
39C	Groton gravelly sandy loam, 3 to 15 percent slopes	3.9	2.1%
45C	Woodbridge fine sandy loam, 8 to 15 percent slopes	7.1	3.9%
84D	Paxton and Montauk fine sandy loams, 15 to 25 percent slopes	21.6	11.9%
102	Pootatuck fine sandy loam	25.7	14.1%
105	Hadley silt loam	9.1	5.0%
106	Winooski silt loam	4.8	2.6%
108	Saco silt loam	18.4	10.1%
W	Water	3.1	1.7%
Totals for Area of Interest (AOI)		182.0	100.0%

Soil Map–State of Connecticut
(AOI 25 Map 13)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
13	Walpole sandy loam	4.3	2.5%
14	Fredon silt loam	0.2	0.1%
15	Scarboro muck	18.9	10.9%
22A	Hero gravelly loam, 0 to 3 percent slopes	19.9	11.5%
31A	Copake fine sandy loam, 0 to 3 percent slopes	10.7	6.2%
31B	Copake fine sandy loam, 3 to 8 percent slopes	42.7	24.8%
32A	Haven and Enfield soils, 0 to 3 percent slopes	5.1	3.0%
32B	Haven and Enfield soils, 3 to 8 percent slopes	0.4	0.2%
39C	Groton gravelly sandy loam, 3 to 15 percent slopes	2.7	1.6%
92B	Nellis fine sandy loam, 3 to 8 percent slopes	10.4	6.1%
94C	Farmington-Nellis complex, 3 to 15 percent slopes, very rocky	3.2	1.9%
95C	Farmington-Rock outcrop complex, 3 to 15 percent slopes	9.9	5.7%
95E	Farmington-Rock outcrop complex, 15 to 45 percent slopes	2.2	1.3%
100	Suncook loamy fine sand	4.2	2.4%
105	Hadley silt loam	10.0	5.8%
106	Winooski silt loam	17.1	9.9%
107	Limerick and Lim soils	4.0	2.3%
108	Saco silt loam	3.8	2.2%
W	Water	2.7	1.6%
Totals for Area of Interest (AOI)		172.7	100.0%

Soil Map–State of Connecticut
(AOI 26 Map 13)



Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
15	Scarboro muck	3.4	1.9%
18	Catden and Freetown soils	7.0	4.0%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	2.0	1.1%
22A	Hero gravelly loam, 0 to 3 percent slopes	3.1	1.8%
31B	Copake fine sandy loam, 3 to 8 percent slopes	7.2	4.1%
31C	Copake gravelly loam, 8 to 15 percent slopes	0.8	0.4%
32A	Haven and Enfield soils, 0 to 3 percent slopes	2.2	1.2%
32B	Haven and Enfield soils, 3 to 8 percent slopes	36.6	20.8%
32C	Haven and Enfield soils, 8 to 15 percent slopes	15.4	8.8%
34A	Merrimac sandy loam, 0 to 3 percent slopes	0.6	0.3%
34B	Merrimac sandy loam, 3 to 8 percent slopes	33.0	18.8%
34C	Merrimac sandy loam, 8 to 15 percent slopes	5.8	3.3%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	11.9	6.8%
60C	Canton and Charlton soils, 8 to 15 percent slopes	3.6	2.0%
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	6.9	4.0%
76F	Rock outcrop-Hollis complex, 45 to 60 percent slopes	0.3	0.2%
100	Suncook loamy fine sand	6.0	3.4%
106	Winooski silt loam	3.7	2.1%
107	Limerick and Lim soils	0.8	0.5%
108	Saco silt loam	6.3	3.6%
308	Udorthents, smoothed	0.3	0.1%
W	Water	18.8	10.7%
Totals for Area of Interest (AOI)		175.8	100.0%

Soil Map–State of Connecticut
(AOI 27 Map 14)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	2.0	1.1%
31B	Copake fine sandy loam, 3 to 8 percent slopes	3.8	2.1%
31C	Copake gravelly loam, 8 to 15 percent slopes	0.6	0.3%
32A	Haven and Enfield soils, 0 to 3 percent slopes	18.9	10.3%
32B	Haven and Enfield soils, 3 to 8 percent slopes	21.4	11.7%
32C	Haven and Enfield soils, 8 to 15 percent slopes	0.7	0.4%
34C	Merrimac sandy loam, 8 to 15 percent slopes	0.1	0.1%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	0.0	0.0%
39E	Groton gravelly sandy loam, 15 to 45 percent slopes	0.6	0.3%
60D	Canton and Charlton soils, 15 to 25 percent slopes	0.6	0.3%
62D	Canton and Charlton soils, 15 to 35 percent slopes, extremely stony	2.7	1.4%
100	Suncook loamy fine sand	8.0	4.3%
105	Hadley silt loam	7.3	4.0%
106	Winooski silt loam	1.2	0.6%
107	Limerick and Lim soils	3.9	2.1%
306	Udorthents-Urban land complex	54.2	29.6%
308	Udorthents, smoothed	19.7	10.7%
W	Water	37.6	20.5%
Totals for Area of Interest (AOI)		183.3	100.0%

Soil Map–State of Connecticut
(AOI 28 Map 14)

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
32A	Haven and Enfield soils, 0 to 3 percent slopes	13.9	4.9%
34B	Merrimac sandy loam, 3 to 8 percent slopes	28.5	10.0%
38E	Hinckley gravelly sandy loam, 15 to 45 percent slopes	13.0	4.6%
73C	Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky	0.1	0.0%
92B	Nellis fine sandy loam, 3 to 8 percent slopes	0.4	0.1%
100	Suncook loamy fine sand	7.7	2.7%
101	Occum fine sandy loam	3.2	1.1%
102	Pootatuck fine sandy loam	1.6	0.6%
105	Hadley silt loam	19.9	7.0%
106	Winooski silt loam	5.0	1.8%
109	Fluvaquents-Udifluvents complex, frequently flooded	3.2	1.1%
232B	Haven-Urban land complex, 0 to 8 percent slopes	6.8	2.4%
234B	Merrimac-Urban land complex, 0 to 8 percent slopes	38.9	13.7%
238C	Hinckley-Urban land complex, 3 to 15 percent slopes	23.5	8.2%
305	Udorthents-Pits complex, gravelly	6.2	2.2%
306	Udorthents-Urban land complex	90.6	31.8%
307	Urban land	0.7	0.3%
308	Udorthents, smoothed	16.4	5.8%
W	Water	5.3	1.9%
Totals for Area of Interest (AOI)		284.8	100.0%