



NEW CINGULAR WIRELESS PCS, LLC
TECHNICAL REPORT
PROPOSED CELLULAR TOWER FACILITY
111 SECOND HILL ROAD
BRIDGEWATER, CONNECTICUT

New Cingular Wireless PCS, LLC ("AT&T")
500 Enterprise Drive
Rocky Hill, Connecticut 06067

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Introduction

New Cingular Wireless PCS, LLC (“AT&T”) is pleased to submit this Technical Report to the Town of Bridgewater pursuant to Section 16-50l of the Connecticut General Statutes. AT&T proposes to construct a wireless telecommunications tower facility (“the Facility”) on a portion of an approximately 4.5 acre parcel of land owned by Robert J. Reibe at 111 Second Hill Road (the “Parcel”). The Facility is being proposed to allow AT&T as well as other FCC licensed wireless carriers, such as Verizon, T-Mobile and Sprint/Nextel, to provide their services in this area of the State.

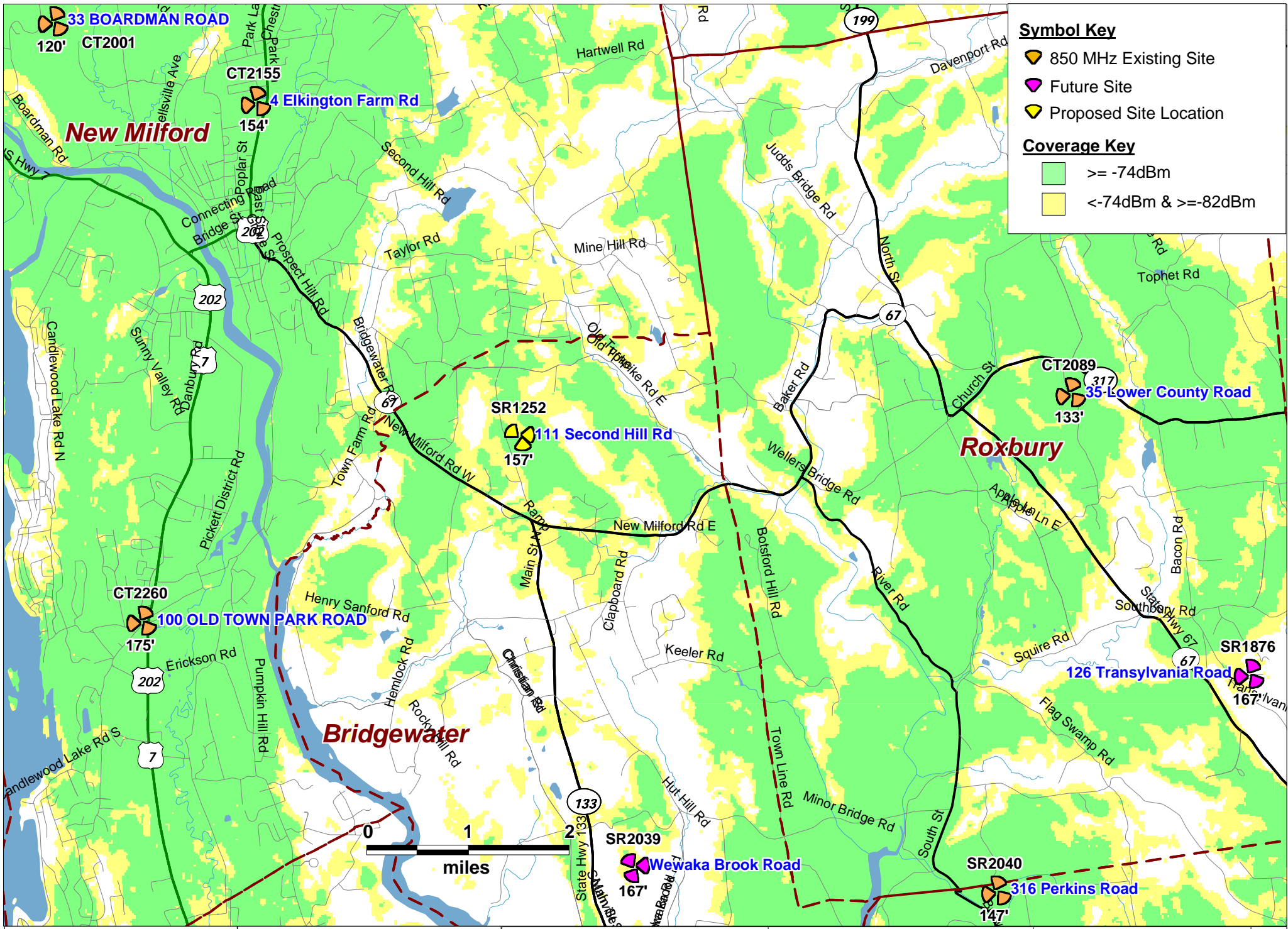
The purpose of this Technical Report is to provide the Town with information concerning the need for the proposed Facility (Section 1), the site selection process (Section 2), the Facility design (Section 3) the environmental assessment for the project (Section 4) and a Preliminary Viewshed Analysis (Section 5).

SECTION 1

SECTION 1

Statement of Public Need

The proposed facility will provide wireless communications service along Route 133, Route 67, Second Hill Road, and other roads in the surrounding areas in northern Bridgewater as well as portions of southern New Milford and western Roxbury. The facility is needed by AT&T in conjunction with other existing and proposed facilities to provide service to the public. Attached are four coverage plots which depict the "Existing Coverage" provided by AT&T's existing facilities in this area of the state and "Existing and Proposed Coverage", "Existing and Future and Proposed Coverage" and "Existing and Future Coverage" as predicted with existing coverage from adjacent sites. Additionally, a chart containing information concerning surrounding existing and proposed wireless communications sites also attached. No existing sites will serve the area of need in this part of the Town of Bridgewater. As demonstrated by these materials, a facility in this area of Bridgewater is required for AT&T to reliably serve the public.



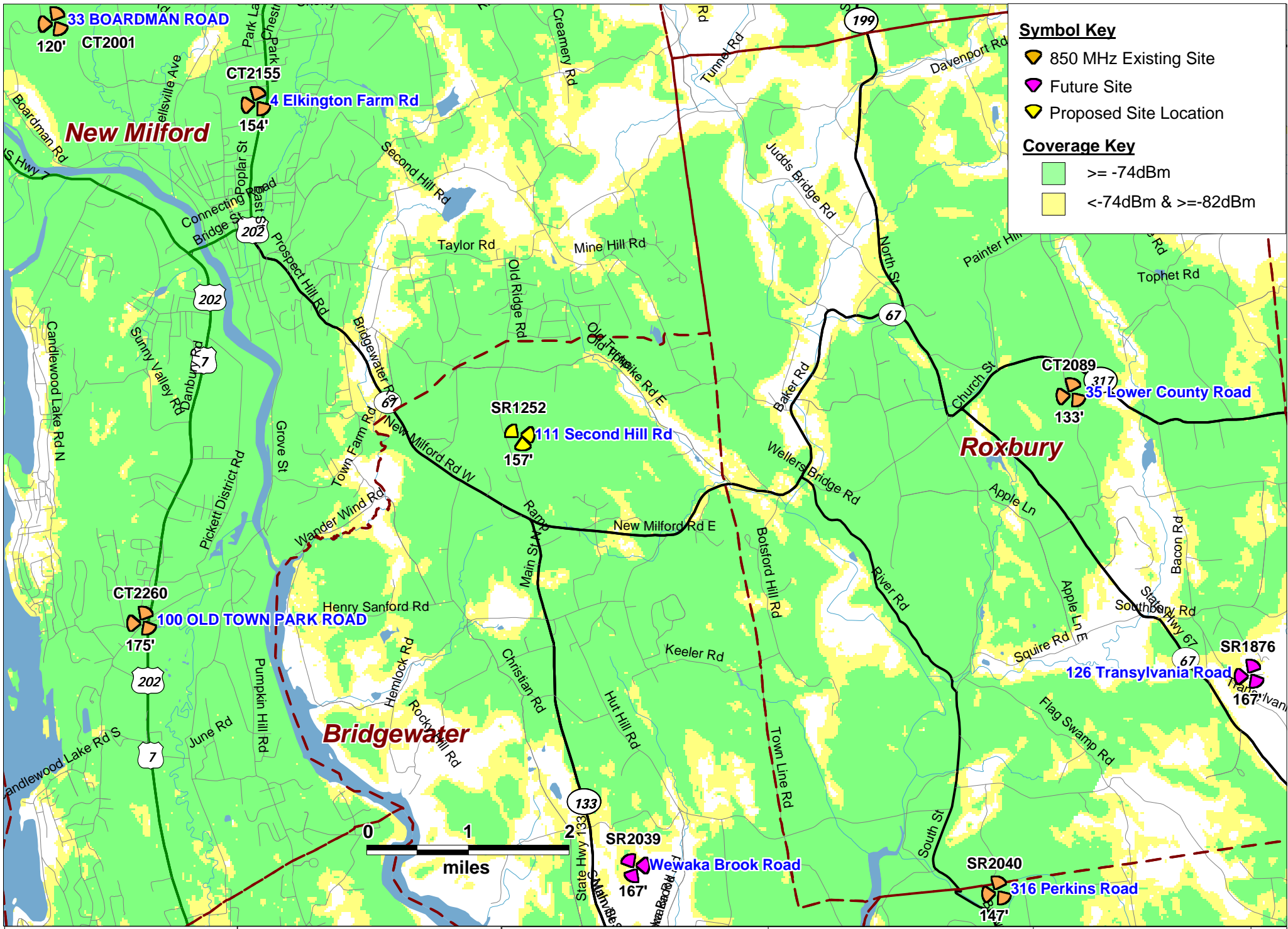
Symbol Key

- 850 MHz Existing Site
- Future Site
- Proposed Site Location

Coverage Key

- $\geq -74\text{dBm}$
- $< -74\text{dBm} \ \& \ \geq -82\text{dBm}$





Symbol Key

- 850 MHz Existing Site
- Future Site
- Proposed Site Location

Coverage Key

- ≥ -74 dBm
- < -74 dBm & ≥ -82 dBm

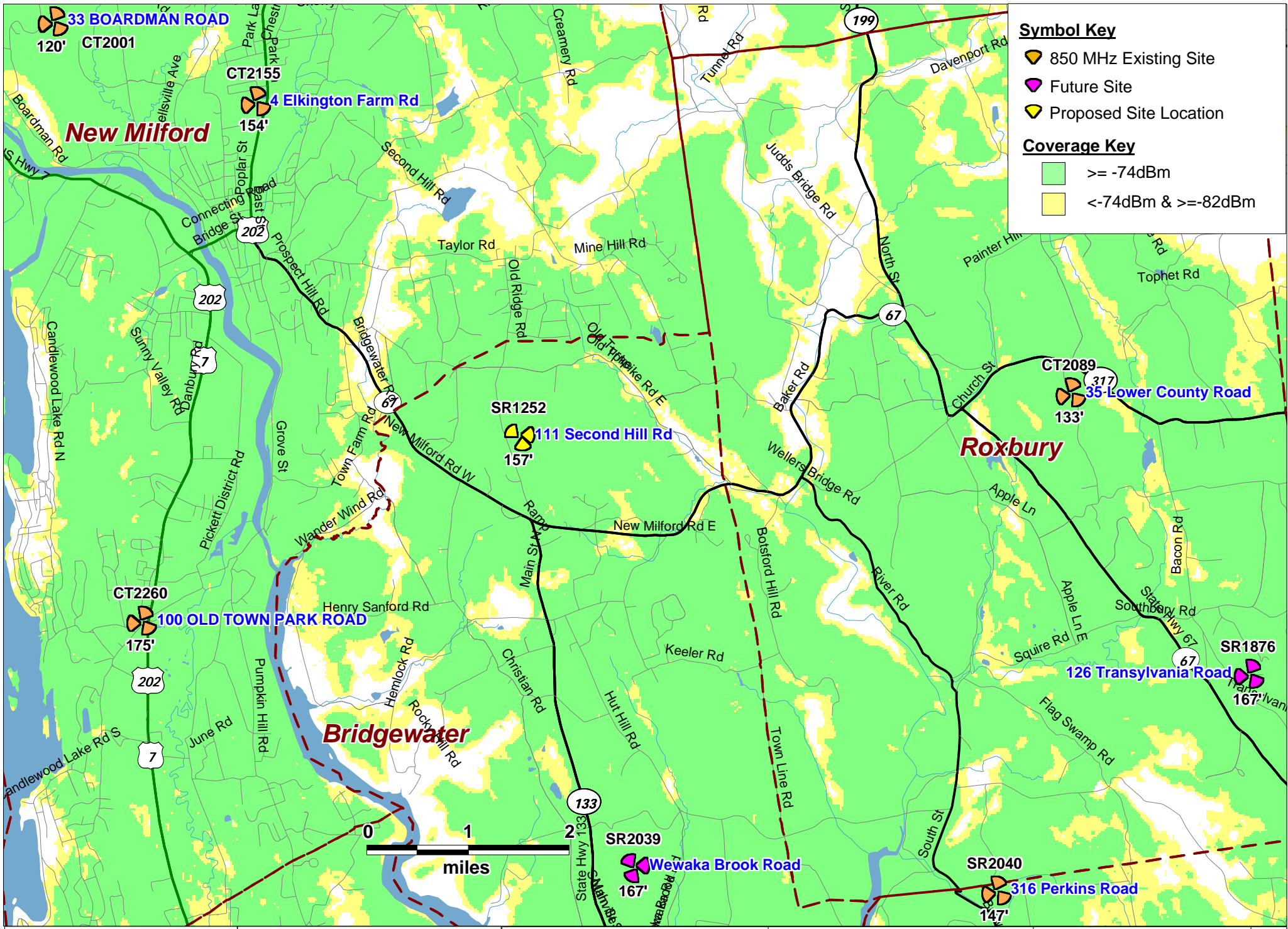
Existing & Proposed Coverage

Bridgewater

111 Second Hill Rd
Bridgewater, CT 06752



PREPARED ON	
DATE: 12/17/2010	REV 0



Symbol Key

- 850 MHz Existing Site
- Future Site
- Proposed Site Location

Coverage Key

- $\geq -74\text{dBm}$
- $< -74\text{dBm} \ \& \ \geq -82\text{dBm}$



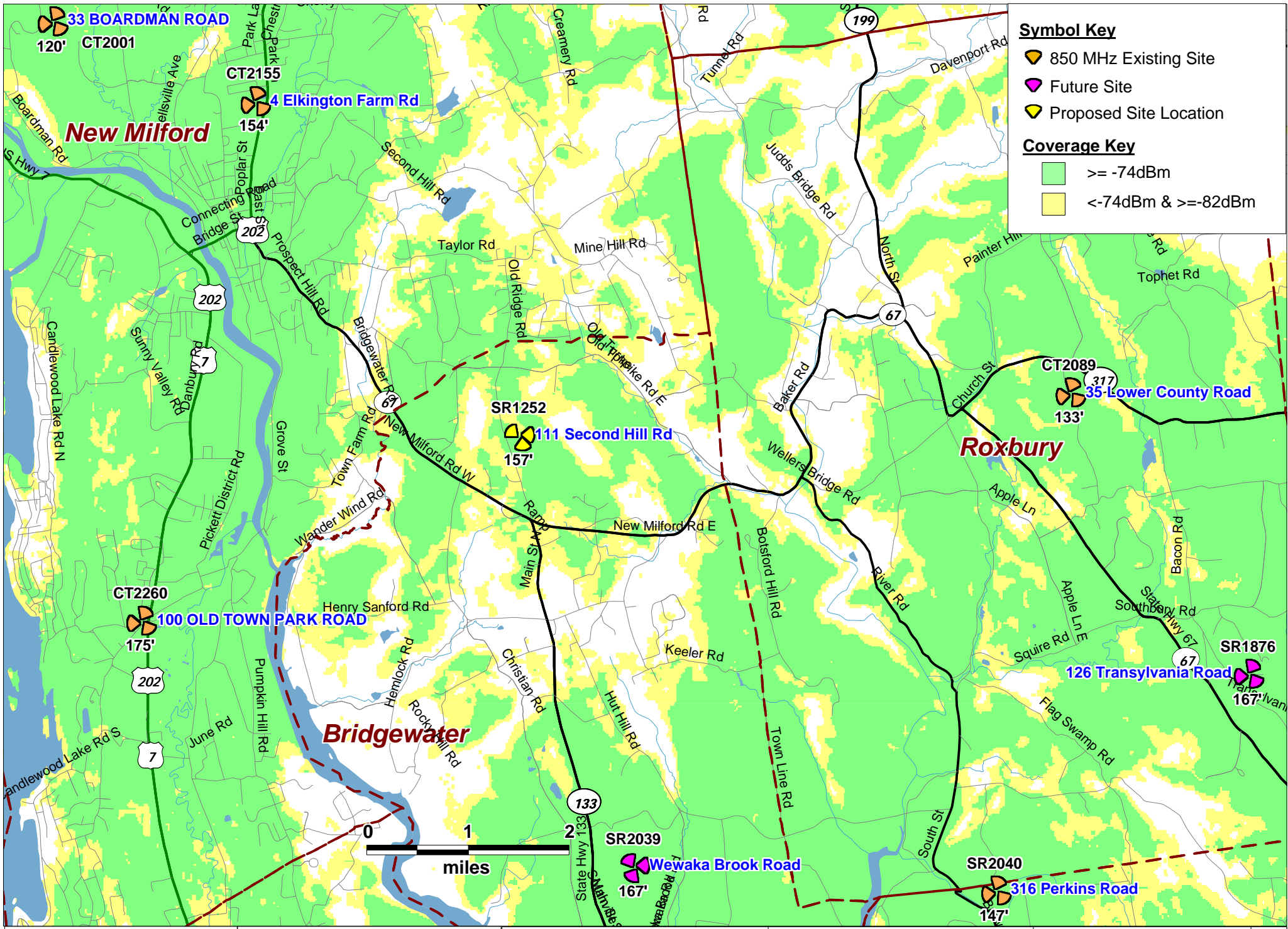
Existing & Future
& Proposed Coverage

Bridgewater

111 Second Hill Rd
Bridgewater, CT 06752



PREPARED ON	
DATE: 12/17/2010	REV 0



Symbol Key

- 850 MHz Existing Site
- Future Site
- Proposed Site Location

Coverage Key

- $\geq -74\text{dBm}$
- $< -74\text{dBm} \ \& \ \geq -82\text{dBm}$

Existing & Future Coverage

Bridgewater

111 Second Hill Rd
Bridgewater, CT 06752



PREPARED ON	
DATE: 12/17/2010	REV 0

Existing Tower/Cell Site Listing

There are twenty-five (25) communications facilities located within approximately four (4) miles of the site search area for the proposed site in Bridgewater, including two (2) "lattice" towers and five (5) "power mounts" located on CL&P infrastructure. Each location is also shown on the following map. None of the existing facilities set forth below would provide adequate and reliable coverage to the target area. Indeed, many of the towers listed are currently being used or proposed for use by AT&T to provide service outside of the area targeted for service for this proposed Bridgewater Facility.

Tower Owner	Address	Height	Tower Type	Lat	Long
State of Connecticut Department of Transportation	96-110 Second Hill Road	110.00	monopole	41-33-12.94	73-22-18.98
	162 Whisconier Road	26'	rooftop	41-27-58.15	73-23-17.72
Charter Communications	33 Carmen Hill Rd.	80.00	self-supporting lattice	41-29-35	73-25-37
Aurora of Danbury	39 Carmen Hill Road	500'	guyed lattice	41-29-36.26	73-25-43.65
	45 Long Meadow Hill Road	14'		41-28-35.84	73-23-30.88
	63 Silvermine Road	4 @ 20'		41-28-04.04	73-24-06.68
CL&P	761 Federal Road	91.00	power mount	41-28-43.55	73-24-29.86
	8 Obtuse Hill Road	20'		41-28-02.5	73-23-10.18
Town of Brookfield - Brookfield VFD	92 Pocono Road	4 @ 30'		41-27-49	73-23-50.39
Crown Media	103 Ridge Rd/125 Ridge Road	130.00	self-supporting lattice	41-35-40.72	73-22-28.75
CL&P (structure #10184)	18 Hilltop View Lane	150.00	power mount	41-32-17.32	73-25-33.1
Nextel	201 Housatonic Avenue	61'	Rooftop	41-35-05.24	73-26-18.25
CL&P	26 Chapin Road	247.00	ssl	41-36-18.9	73-22-1.1
Sprint	33 Boardman Road	100.00	monopole	41-35-58	73-26-15
Omnipoint	36 Main Street	102.3'	church steeple	41-34-46.5	73-24-40.8
Sprint Spectrum	399 Chestnut Land Road	64.5'	monopole	41-37-55	73-22-03
American Tower	4 Elkington Farm Rd/Aspectuck Ave(Taylor Terrace)	134'	monopole	41-35-28	73-24-30.9
Optasite	425 Litchfield Road	140.00	monopole	41-38-48.2	73-23-14.1
CL&P (pole # 10185)	5 Old Town Park Road	60.00	power mount	41-32-6.46	73-25-29.46
VoiceStream	586 Danbury Road	204.00	flagpole	41-30-6.07	73-25-11.94
CL&P/NU	Chapin Hill Rd.	168.9'	guyed lattice	41-36-18.79	73-22-1.05
CL&P (structure #10183)	Hilltop View Lane	130.00	power mount	41-32-23.96	73-25-34.28
CL&P (structure #2069)	Rt. 202, Russeling Rd/139 Parklane Road	55'	guyed lattice power mount	41-36-38.09	73-24-15.86
Nextel	35 Lower County Rd.	180.00	self-supporting lattice	41-33-34.52	73-17-32.1
AT&T	316 Perkins Road	190.00	monopole	41-30-22.27	73-18-10.36

425 Litchfield Road, New Milford, CT

399 Chestnut Land Road, New Milford, Ct

139 Parklane Road, New Milford, Ct

26 Chapin Road, New Milford, Ct

4 Elkington Farm Road, New Milford, ct

33 Boardman Road, New Milford, CT

201 Hoosatic Avenue, New Milford, Ct

36 Main Street, New Milford, CT

Existing State of CT. tower - 96-110 Second Hill Road

41 33 18, -73 22 14

Proposed Tower Location- 111 Second Hill Road, Bridge

18 Hilltop View lane, New Milford, CT

5 Old Town Park Road, New Milford, Ct

586 Danbury Road, New Milford, Ct

316 Perkins Rd, Southbury, CT 06488

316 Perkins Road, Southbury, CT

761 Federal Road, Brookfield, CT

45 Longmeadow Hill Road, Brookfield, CT

8 Obtuse Hill Road, Brookfield, CT

63 Silvermine Road, Brookfield, CT

92 Pocono Road, Brookfield, CT

103-125 Ridge Road

35 Lower County Road, Roxbury

Heritage Village

Wannuppee Islands

Green Island

Cedar Island

Oak Island

Rock Island

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SECTION 2

SECTION 2

Site Search Summary

To initiate its site selection process in an area where a coverage need has been identified, AT&T first establishes a "site search area". The site search area is a general geographical location where the installation of a wireless facility would address the identified coverage need and/or capacity problem, while still allowing for orderly integration of the site into AT&T's network based on the radiofrequency engineering criteria of hand-off, frequency reuse and interference. In any site search area, AT&T seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of a needed facility, while at the same time ensuring the quality of service provided by the site to users of its network.

As noted in "Section 1" of this Report, the State of Connecticut Department of Transportation ("DOT") operates a 110' tower facility at 96-110 Second Hill Road. This facility was originally identified as a candidate by AT&T as it is existing communications infrastructure. Subsequent review of the facility and the location revealed that the tower would require replacement and a compound and access drive would need to be constructed. In addition, the location of the DOT tower is in the open, close to Second Hill Road and very near existing homes. As such, and after discussion with local residents, the proposed candidate was identified instead. There are no other existing towers or structures within four (4) miles of the targeted search area which would sufficiently address the coverage deficiencies in AT&T's network. In addition to the DOT tower, AT&T investigated several locations where the construction of a wireless facility might be feasible prior to leasing the proposed site.

Sites Investigated

In addition to assessing the twenty-five (25) existing communication facilities noted in "Section 1", representatives for AT&T also identified and investigated thirty-one (31) potential new tower sites/areas for the construction of a wireless facility. A description of each site investigated is set forth below. Where applicable, the reason for eliminating the property from further consideration is also included.

1. Bee Brook Farm (Litton), 239 So Main St., Map 18 Lot 26. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
2. Town of Bridgewater Public Works Yard, 324 Hut Hill Rd. 41.51761 - 73.34841, Map 18 Lot 10. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
3. Nature Conservancy Sunny Valley Preserve Hut Hill Road., Map 18 Lot 9. *This property owner is not interested.*
4. Town of Bridgewater Senior Center -Hut Hill Rd., Map 18 Lot 8. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
5. Valeri Rt. 133, Map 18 Lot 30 *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*

6. Cicarelli 278 Christian St., Map 18 Lot 32. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
7. Sproviero 260 Main St., Map 19 Lot 20. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
8. Town of Bridgewater Sarah Sanford Rd. (park), 4131'31.7-7321'40.7, Map 18 Lot 7. *The Town of Bridgewater indicated it was not interested in locating a tower facility at this location.*
9. Congregational Church 10 Clapboard Rd./Rt., 133 41 32' 06.8-73 21' 56.6, Map 38 Lot 32. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
10. St. Marks Church Rt. 133/ Main St., 41 32' 06.5 - 73 21' 59.7, Map 38 Lot 8, 9. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
11. Allingham/Dexter, 10 Henry Sanford Road, 41.53467 - 73.38106, Map 21 Lot 2/1. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
12. White 298 Main Street, Map 18 Lot 23. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
13. Goccia 203 Main Street, Map 18 Lot 29. *AT&T representative's were unable to reach the property owner to inquire about the use of their property.*
14. Von Egidy 255 Main Street, Map 18 Lot 25. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
15. Karabelas 267 Main Street, Map 18 Lot 24/1. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
16. Victoria Burke (Brunjes) 50 Warner Road, Map 35 Lot 14. *AT&T representative's were unable to reach the property owner to inquire about the use of their property.*
17. State Tower Second Hill Road, 41 33' 13 - 73 22' 18. *This is the site of the existing Department of Transportation Tower noted above.*
18. Holmes 28 Rock Cut Road, Map 25 Lot 32. *This property owner is not interested.*
19. Obine 20 Rock cut Road, Map 25 Lot 31 41 32' 38 - 73 22' 18. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
20. Bridgewater Commons #1, Owner interest Bridgewater Commons Condo, Map 28 Lot 70 41 32' 35.6 - 73 22' 00.6. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
21. Bridgewater Commons #2 Owner interest Bridgewater Commons Condo, Map 28 Lot 70 41 32' 36.9 - 73 22' 02.7. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*

22. Garrity 52 Lane, Map 26 Lot 54. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
23. Holland Joint Adventure LLC, 137 New Milford Road, Map 26 Lot 73. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
24. Stuart Farms LLC, 199 Curtis Road, Map 25 Lot 39. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
25. Carr Main Street, Map 40 Lot 8. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
26. SBA Site, New Milford Road East, 41 32' 41 -73 21' 18 @ 170'. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
27. Hargrove, 79 Second Hill Road, Map 29 Lot 1. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
28. Nature Conservancy, Second Hill Road, Map 26 Lot 13. *The property owner did not respond to the AT&T representative's inquires regarding the use of their property.*
29. Homeland Towers, Route 67 & Route 133, 41 32' 55 – 73 22' 11, Map 28 Lot 9. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
30. Bridgewater Fire Co., 100 Main St., Map 35 Lot 31/1. *This site was rejected by AT&T's Radio Frequency (RF) engineer.*
31. Riebe Current Candidate, 111 Second Hill Rd., Map 28 Lot 50, 41 33' 18 - 73 22' 14 RF Approved at 160'. *This property is the candidate site.*

SR 1252 Bridgewater/North



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SECTION 3

SECTION 3

General Facility Description

111 Second Hill Road
Owner: Robert J. Reibe
4.5 Acre Parcel

The main compound of the proposed telecommunications facility is located at the northerly edge of a clearing on an undeveloped portion of a 4.5 acre parcel owned by Robert J. Reibe, located at 111 Second Hill Road in Bridgewater. The proposed facility consists of a 100' by 100' leased area situated at the northeastern portion of the parcel and a new self-supporting monopole tower, 160' in height, with associated unmanned equipment at grade.

AT&T will install up to twelve (12) panel antennas at the 157' centerline height of the tower together with an associated 12' x 20' radio equipment shelter at the tower base on a concrete pad within the compound. The tower compound would consist of a 45' by 90' area to accommodate AT&T's equipment and provide for future shared use of the facility by other carriers. The tower compound would be enclosed by an 8' foot high chain link fence. Vehicle access to the facility would be provided by a new 350' long by 12' wide gravel drive extension. Utility connections will be run underground from existing CL&P pole #4777 to provide necessary power and telecommunication service to the proposed facility.

Site Evaluation Report

I. LOCATION

- A. COORDINATES: 41° 31' 57.6" N 73° 22' 02.8" W
- B. GROUND ELEVATION: 908 AMSL Elevation (in feet)
- C. USGS MAP: Roxbury Quad
- D. SITE ADDRESS: 111 Second Hill Road, Bridgewater, Connecticut 06752
- E. ZONING WITHIN 1/4 MILE OF SITE: Residential

II. DESCRIPTION

- A. SITE SIZE: 45' by 90'
- B. LESSOR'S PARCEL: +/-4.5 Acres
- C. TOWER TYPE/HEIGHT: Monopole/160' AGL
- D. SITE TOPOGRAPHY AND SURFACE: The proposed tower and associated compound are located on a relatively flat area of a parcel improved with an existing residence and one-car garage.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The surrounding terrain ranges in elevation from approximately 300' AMSL to 941' AMSL. A review of the site together with available site information provided by Federal, State and local databases indicates the presence of wetlands on a small section of the property through which the existing and improved access drive are located. An unnamed tributary of Hop Brook lies approximately 1,600 feet to the east of the host property.
- F. LAND USE WITHIN 1/4 MILE OF SITE: General land use activities surrounding the subject property include residential uses, wooded and undeveloped land, agricultural fields, and various roads and highways, including State Routes 67 and 133. There are six (6) residences located within 1,000 feet of the proposed site. The closest residences are approximately 475' to the west of the proposed tower.

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Electric power will be available for use from a proposed underground power line connecting to an existing CL&P pole.
- C. TELEPHONE COMPANY: AT&T

- D. PHONE SERVICE PROXIMITY: Telephone facilities/service will be available from a proposed underground line connecting to an existing utility pole.
- E. VEHICLE ACCESS TO SITE: Access to the facility would be provided by an existing asphalt access driveway in addition to a new 350' gravel drive extension 12' in width.
- F. OBSTRUCTIONS: None
- G. CLEARING AND FILL REQUIRED: The facility will require the removal of 69 trees and clearing of brush. Detailed plans would be included in a Development and Management Plan ("D&M" plan) after any approval of the facility which may be issued by the Connecticut Siting Council.

IV. LEGAL: Host Parcel

- A. PURCHASE [] LEASE [X]
- B. OWNER: Robert J. Reibe
- C. ADDRESS: 111 Second Hill Road, Bridgewater, Connecticut 06752

Facilities and Equipment Specification

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-Supporting monopole
- C. HEIGHT: 160' AGL
DIMENSIONS: Approximately 4½' in diameter at the base, tapering to approximately 2' at the top.
- D. LIGHTING: None as set forth in attached FCC determination

II. TOWER LOADING:

- A. AT&T – up to 12 panel Antennas, along with up to 12 TMA/Diplexers
 - a. Model – Powerwave P90-14-XLH-RR or equivalent panel antenna
 - b. Antenna Dimensions – approximately 48”H x 12”W x 6”D
 - c. Position on Tower – 157' centerline AGL
 - d. Transmission Lines – MFG/Model: Commscope Aluminum; Size 1-5/8”
- B. Future Carriers – To be determined

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The tower will be designed in accordance with American National Standards Institute TIA/EIA-222-G “Structural Standards for Steel Antenna Towers and Antenna Support Structures” and the 2003 International Building Code with 2005 Connecticut Amendment. The foundation design would be based on soil conditions at the site. The details of the tower and foundation design will be provided as part of the final D&M plan.

SURVEY NOTES:

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.

TYPE OF SURVEY: COMPILATION PLAN

BOUNDARY DETERMINATION CATEGORY: NONE

CLASS OF ACCURACY: HORIZONTAL CLASS A-2
VERTICAL CLASS V-2
TOPOGRAPHIC CLASS T-2

2. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CHA AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.

3. BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2010 FIELD SURVEY.

4. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.

5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.

6. SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.

7. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.

8. LATITUDE/LONGITUDE/ELEVATIONS WERE OBTAINED FROM GPS OBSERVATIONS REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION.

INFORMATION SHOWN BASED ON FAA 1A CERTIFICATION ACCURACY LEVEL DEFINED AS:
HORIZONTAL: ±20 FEET / 15 METERS
VERTICAL: ±3 FEET / 6 METERS

9. SITE FALLS WITHIN ZONE "C" DEFINED AS AREAS OF MINIMAL FLOODING, AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF BRIDGEWATER, CONNECTICUT, LITCHFIELD COUNTY, COMMUNITY PANEL NUMBER 090184 0001 B, EFFECTIVE DATE NOVEMBER 1, 1979.

MAP REFERENCES:

1. MAP ENTITLED "42.461 ACRES PREPARED FOR STATE OF CONNECTICUT LOWENTHAL PROPERTY" AS PREPARED BY LINWOOD R. GEE & SON INC., DATED MAY 8, 1990 AND FILED IN THE BRIDGEWATER TOWN CLERKS OFFICE AS MAP NO. 931.
2. MAP ENTITLED "114.735 ACRES (SHEET 1 OF 2) MAP SHOWING DEVELOPMENT RIGHTS TO BE ACQUIRED BY THE STATE OF CONNECTICUT FROM ANDRE VONDERWEIDT AND MARILENE VONERWEIDT" AS PREPARED BY SAMUEL P. BERTACINI, DATED FEBRUARY 1983 AND FILED IN THE BRIDGEWATER TOWN CLERKS OFFICE AS MAP NO. 904A.
3. MAP ENTITLED "SHEET 1 OF 2 PROPERTY SURVEY PREPARED FOR ELEANOR LOWENTHAL, ANNE C. HERMANS, JAMES D. LOWENTHAL, KATHERINE LEVIN, BARALEVIN & JENNIFER LEVIN" AS PREPARED BY NEW ENGLAND LAND SURVEYING, P.C., DATED MAY 20, 2009 AND FILED IN THE BRIDGEWATER TOWN CLERKS OFFICE AS MAP NO. 1155A.
4. TOWN OF BRIDGEWATER TAX MAP NUMBER 28.

N/F
THOMAS G. HARGROVE
HILL ROAD
BRIDGEWATER CT 06752
MAILING ADDRESS:
PO BOX 115
BRIDGEWATER CT 06752
28-41
ZONE: RR3
19.2± ACRES

N/F
ROBERT W SCHMUS &
KIMBERLY A SCHMUS
120 SECOND HILL ROAD
BRIDGEWATER CT 06752
28-45
ZONE: RR3
1.0± ACRES

N/F
DANIEL J & KARI M
DEL VECCHIO
110 SECOND HILL ROAD
BRIDGEWATER CT 06752
28-44
ZONE: RR3
1.0± ACRES

N/F
LOWENTHAL ET AL
229 SECOND HILL ROAD
BRIDGEWATER CT 06752
MAILING ADDRESS:
PO BOX 337
BRIDGEWATER CT 06752
28-49
ZONE: RR3
139.8± ACRES

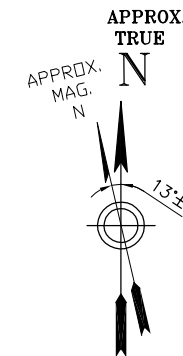
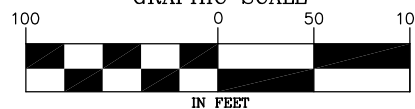
N/F
ROBERT J REIBE
111 SECOND HILL ROAD
BRIDGEWATER CT 06752
28-50
ZONE: RR3
4.5± ACRES

N/F
THOMAS G. HARGROVE
79 SECOND HILL ROAD
BRIDGEWATER CT 06752
MAILING ADDRESS:
PO BOX 115
BRIDGEWATER CT 06752
29-1
ZONE: RR3
101.5± ACRES

1
C01
ABUTTERS MAP

SCALE: 1" = 50' FULL SIZE
1" = 100' 11 X 17

GRAPHIC SCALE



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

Drawing Copyright © 2010



2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336
Main: (860) 257-4557 - www.chacompanies.com

CHA PROJECT NO:
18301 - 1071 - 43000

NO.	DATE	SUBMITTAL
0	12/23/10	ISSUED FOR CSC CERTIFICATE
	BY: JDM	CHK: PAL APP'D: JPS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ID:
SR1252
SITE NAME:
BRIDGEWATER
SITE ADDRESS:
111 SECOND HILL ROAD
BRIDGEWATER, CT
06752
LITCHFIELD COUNTY

SHEET TITLE
ABUTTERS
MAP

SHEET NUMBER
C01



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

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Main: (860) 257-4557 - www.chacompanies.com

CHA PROJECT NO:
18301 - 1071 - 43000

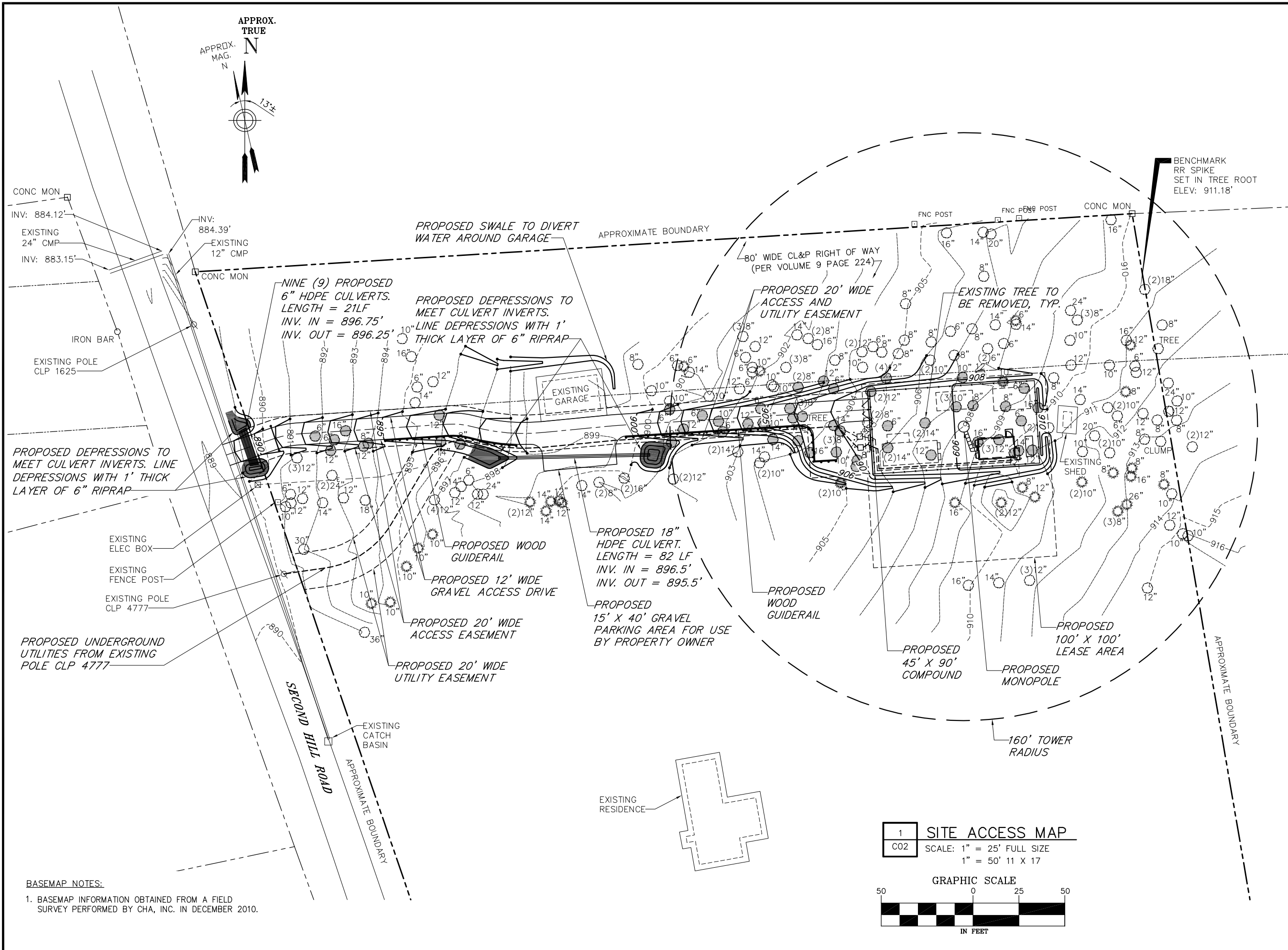
NO.	SUBMITTAL
0	12/23/10 ISSUED FOR CSC CERTIFICATE
	BY: JDM CHK: PAL APP'D: JPS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

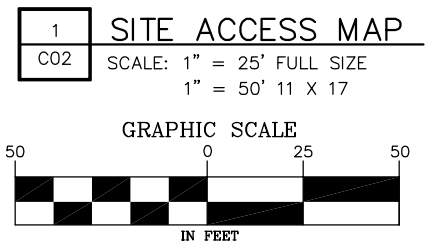
SITE ID:
SR1252
SITE NAME:
BRIDGEWATER
SITE ADDRESS:
111 SECOND HILL ROAD
BRIDGEWATER, CT
06752
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

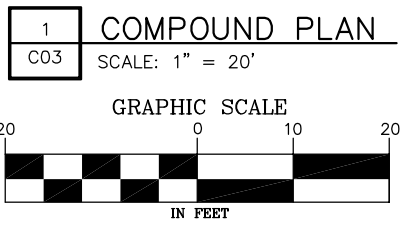
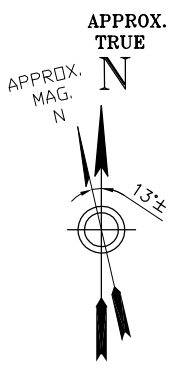
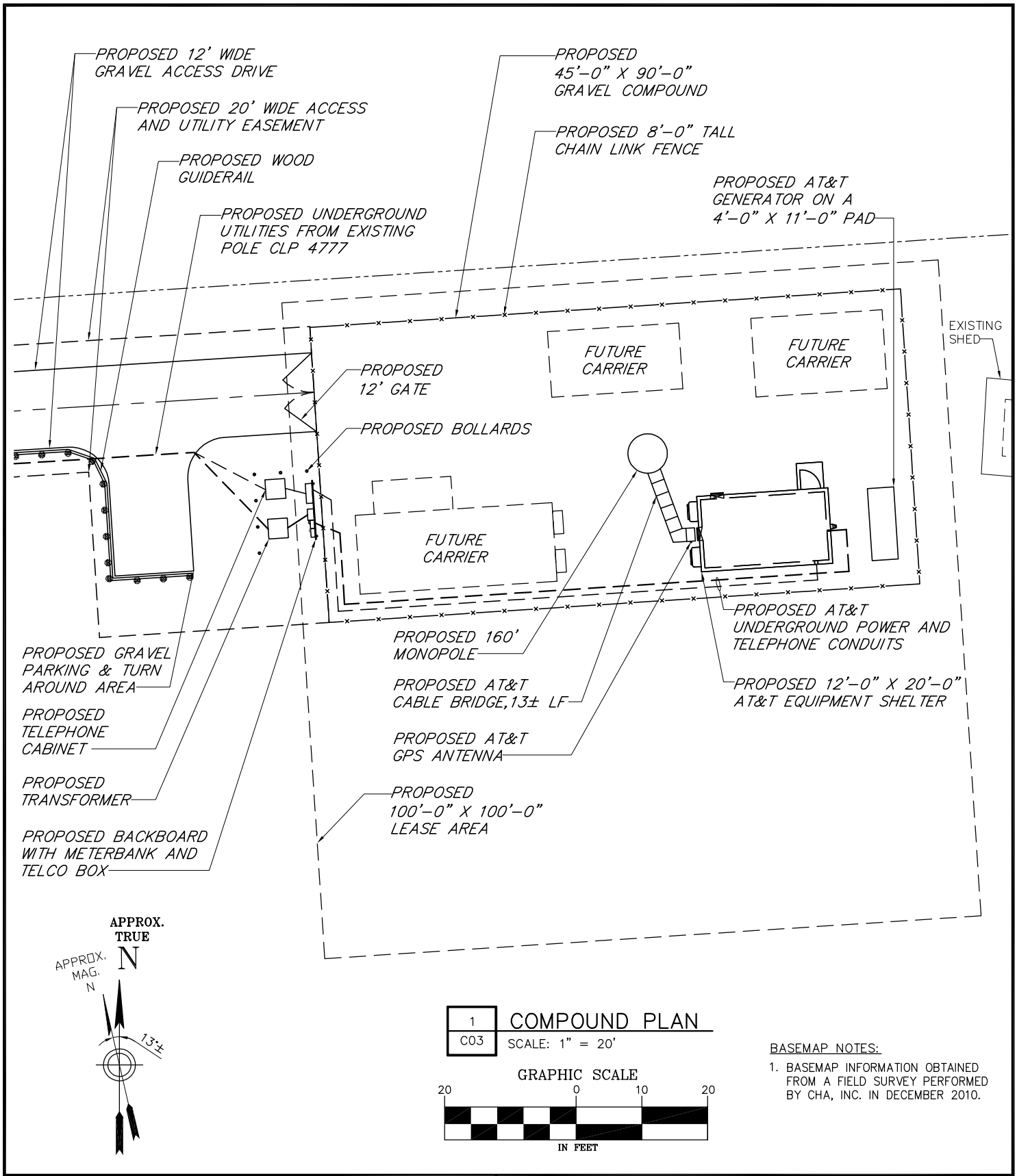
SHEET NUMBER
C02



BASEMAP NOTES:
1. BASEMAP INFORMATION OBTAINED FROM A FIELD SURVEY PERFORMED BY CHA, INC. IN DECEMBER 2010.



File: W:\SA_CINGULAR\18301\SITES\1071 BRIDGEWATER_1252\XD\BRIDGEWATER-2 SITE ACCESS MAP.DWG Saved: 12/23/2010 11:25:16 AM Plotted: 12/23/2010 11:29:47 AM User: Luelohn, Paul



BASEMAP NOTES:
 1. BASEMAP INFORMATION OBTAINED FROM A FIELD SURVEY PERFORMED BY CHA, INC. IN DECEMBER 2010.

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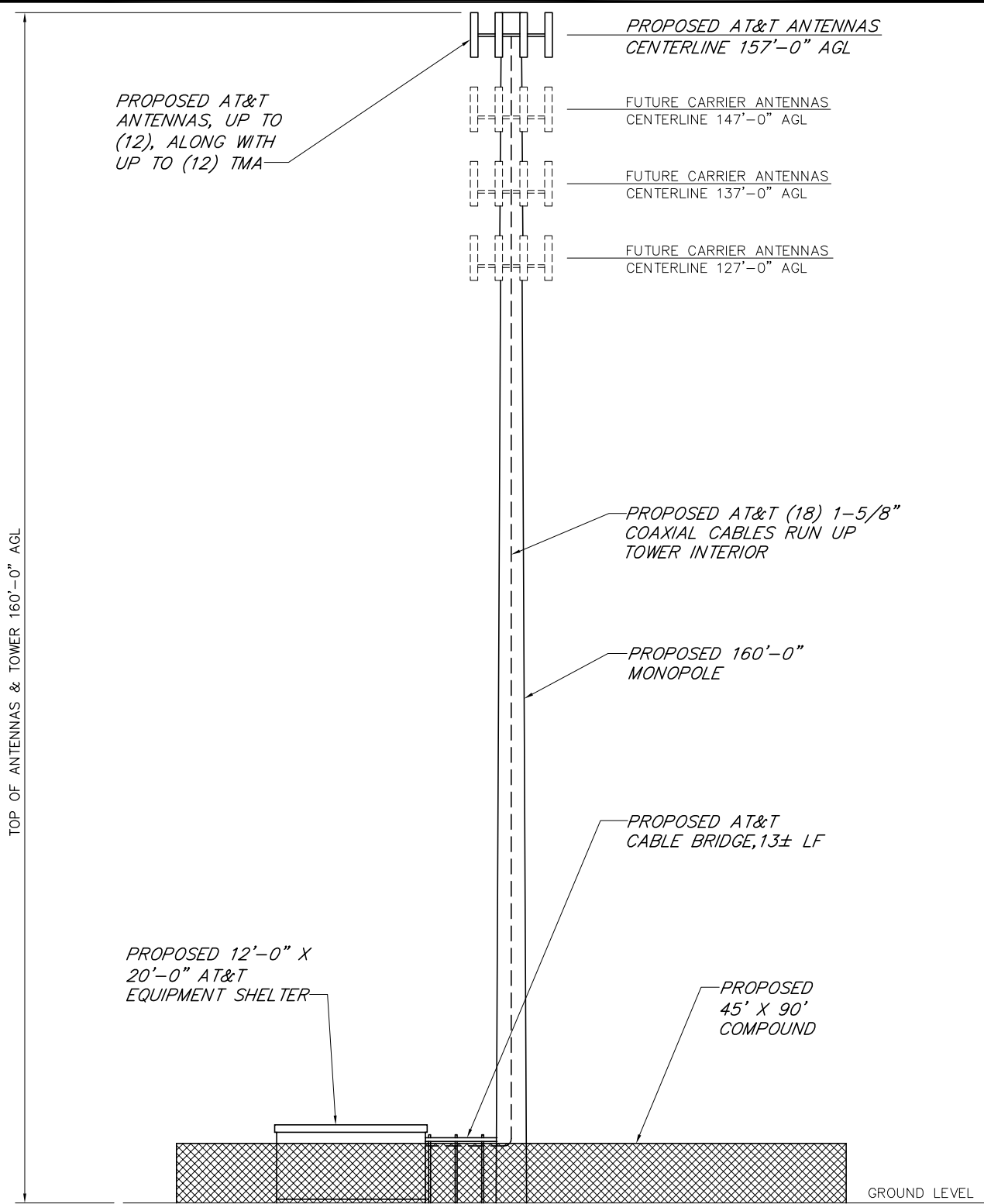
Your world. Delivered.

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 500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

SR1252
 BRIDGEWATER
 111 SECOND HILL ROAD
 BRIDGEWATER, CT 06752
 LITCHFIELD COUNTY

CHA PROJ. NO. - 18301-1071-43000

SHEET TITLE: COMPOUND PLAN
DATE: 12/23/10
REVISION: 0



TOP OF ANTENNAS & TOWER 160'-0" AGL

PROPOSED AT&T ANTENNAS, UP TO (12), ALONG WITH UP TO (12) TMA

PROPOSED AT&T ANTENNAS CENTERLINE 157'-0" AGL

FUTURE CARRIER ANTENNAS CENTERLINE 147'-0" AGL

FUTURE CARRIER ANTENNAS CENTERLINE 137'-0" AGL

FUTURE CARRIER ANTENNAS CENTERLINE 127'-0" AGL

PROPOSED AT&T (18) 1-5/8" COAXIAL CABLES RUN UP TOWER INTERIOR

PROPOSED 160'-0" MONOPOLE

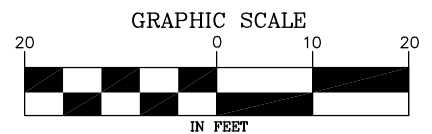
PROPOSED AT&T CABLE BRIDGE, 13± LF

PROPOSED 12'-0" X 20'-0" AT&T EQUIPMENT SHELTER

PROPOSED 45' X 90' COMPOUND

GROUND LEVEL

1 TOWER ELEVATION
C04 SCALE: 1" = 20'



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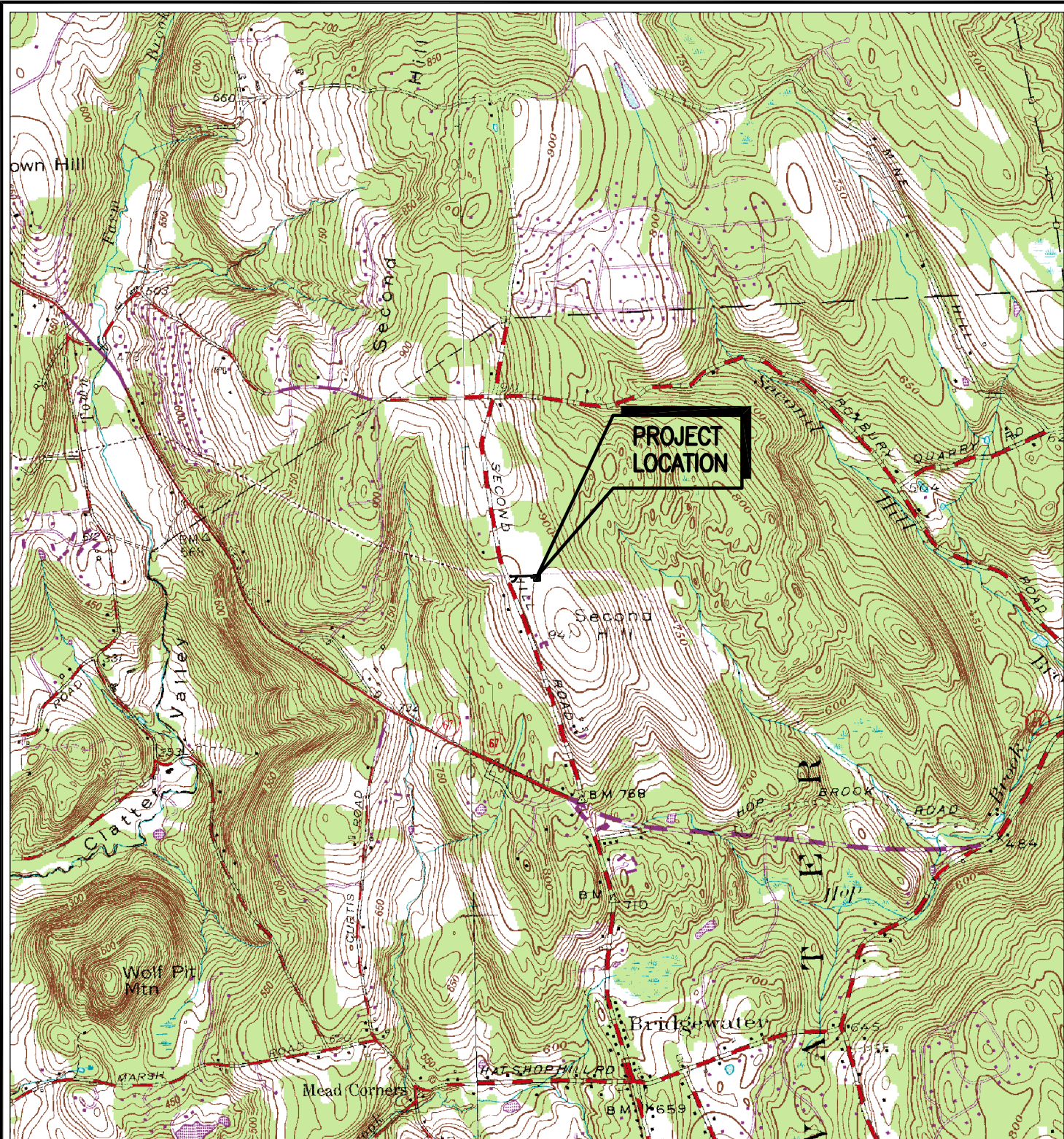
SR1252
BRIDGEWATER
111 SECOND HILL ROAD
BRIDGEWATER, CT 06752
LITCHFIELD COUNTY

CHA PROJ. NO. - 18301-1071-43000

SHEET TITLE:
TOWER ELEVATION

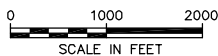
DATE:
12/23/10

REVISION:
0



1 1989 USGS TOPO MAP: ROXBURY 41073-E3
 C05 SCALE: 1" = 2000'

TRUE NORTH



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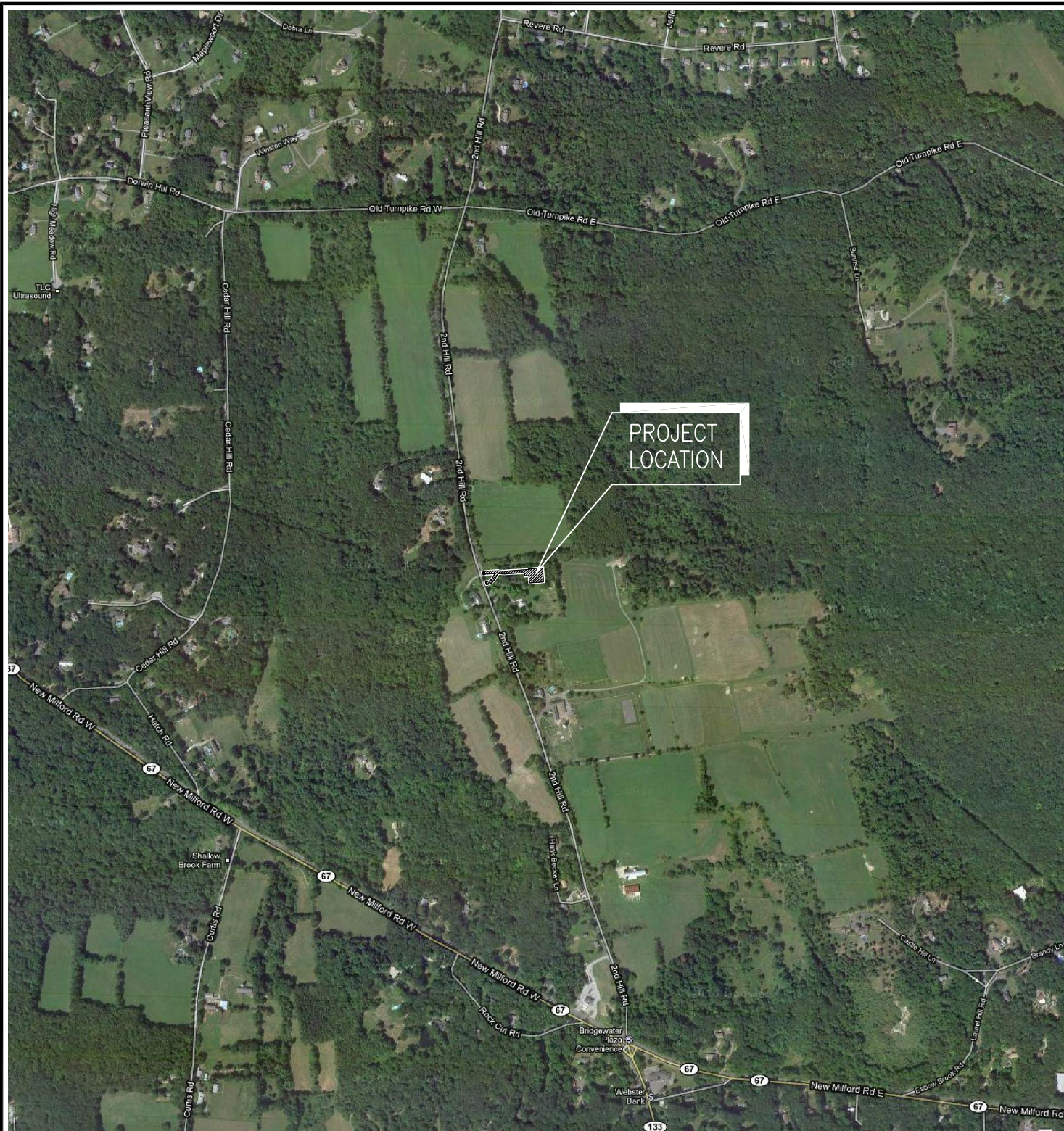
SR1252
 BRIDGEWATER
 111 SECOND HILL ROAD
 BRIDGEWATER, CT 06752
 LITCHFIELD COUNTY

CHA PROJ. NO. - 18301-1071-43000

SHEET TITLE:
 USGS TOPO MAP

DATE:
 12/23/10

REVISION:
 0



1 2004 AERIAL PHOTO
 C06 SCALE: 1" = 1000'
 0 500 1000
 SCALE IN FEET



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SR1252
 BRIDGEWATER
 111 SECOND HILL ROAD
 BRIDGEWATER, CT 06752
 LITCHFIELD COUNTY

CHA PROJ. NO. - 18301-1071-43000

SHEET TITLE:
 AERIAL PHOTO

DATE:
 12/23/10

REVISION:
 0



Site Number: SR1252

Site Name: Bridgewater

Site Address: 111 Second Hill Road, Bridgewater, CT 06572

Access distances:

Distance of access over existing asphalt driveway: 0'

Distance of access over new gravel driveway: 350'

Total distance of site access: 350'

Distance to Nearest Wetlands:

Not applicable. No wetlands discovered during site environmental investigation.

Distance to Property Lines:

110' to the northern property boundary

320' to the southern property boundary

370' to the western property boundary

110' to the eastern property boundary

Residence Information:

There are six residences within 1,000' feet of the tower. The closest residence is 475' to the west and is owned by Robert W. and Kimberly A. Schmus and is located at 120 Second Hill Road, Bridgewater, CT.

Tree Removal Count:

See attached tree letter.

Distance to Nearest Town (Must notify town if less than 2,500'):

The nearest town to the proposed tower is New Milford, CT. The town boundary is 3,900 to the North.



December 23, 2010

New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067

RE: Tree Inventory
Site: SR1252 – Bridgewater
111 Second Hill Road
Bridgewater, CT 06752
CHA # 18301-1071-43000

A site survey was completed at the subject site in December 2010. A requirement of the survey involved determining the location of all trees within the topographic survey area with a diameter at breast height of 6" or larger. As can be seen on the site access map, there are sixty-nine (69) trees with a diameter of 6" or larger within the area of the proposed access road and compound which need to be removed for construction of the facility. The quantity and size of trees being removed is summarized in the below table:

Tree Diameter	Number of Trees to be Removed
6"	11
8"	14
10"	11
12"	19
14"	8
16"	4
TREE	2
TOTAL	69

If you have any questions, comments or need further information, please do not hesitate to contact our office.

Very truly yours,

CLOUGH HARBOUR & ASSOCIATES LLP

A handwritten signature in black ink that reads "Paul Lusitani".

Paul Lusitani
Project Engineer

W:\SAI Cingular\18301\Sites\1071 Bridgewater 1252\ZD\BRIDGEWATER-8 TREE INVENTORY.doc



FAA 1-A SURVEY CERTIFICATION

Site Name: Bridgewater
Site Number: SR1252
Site Address: 111 Second Hill Rd
Bridgewater, CT 06752

Horizontal Datum: NAD 83 GPS survey Ground survey

Vertical Datum: NAVD 1988 (AMSL) GPS survey Ground survey

Structure Type: Proposed Tower Existing Tower Roof Top
 Water Tank Smoke Stack Other:

Latitude: 41°-33'-17.9" N

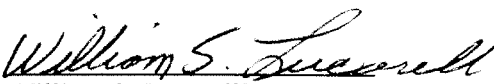
Longitude: 73°-22'-15.2" W

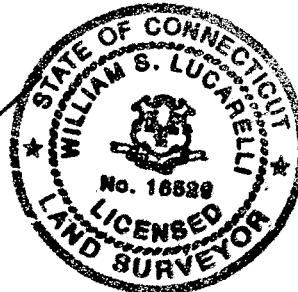
Average Ground Elevation: 908' AMSL Elevation (in feet)

Proposed Tower Height: 160' (AGL)

Certification: I certify that the latitude of 41°-33'-17.9"N and the longitude of 73°-22'-15.2"W are accurate to within +/- 20 feet horizontally, and that the site elevation of 908' AMSL is accurate to within +/- 3 feet vertically. The horizontal datum (coordinated) are in terms of the North American Datum of 1983 (NAD 83) and are expressed in degrees, minutes and seconds, to the nearest tenth of a second. The vertical datum is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is determined to the nearest foot.

Company: Clough Harbour and Associates, LLP
Project number 18301-1071

Surveyor Signature/Seal: 
William S. Lucarelli
CT L.S. 16529



Date: December 13, 2010

TOWAIR Determination Results

A routine check of the coordinates, heights, and structure type you provided indicates that this structure does not require registration.

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

PASS SLOPE(50:1): NO FAA REQ-RWY 10499 MTRS OR LESS & 7502.65 MTRS (7.50269) KM AWAY

Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	41-33-56.00N	073-27-35.00W	CANDLELIGHT FARMS	LITCHFIELD NEW MILFORD, CT	197.8	883.89999999999998

PASS SLOPE(25:1): NO FAA REQ-HELIPORT 7597.74 MTRS (7.59769 KM) AWAY

Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
HELI	C	41-34-4.00N	073-27-38.00W	CANDLELIGHT	LITCHFIELD NEW MILFORD, CT	205.7	15.199999999999999

Your Specifications

NAD83 Coordinates

Latitude 41-33-17.9 north
Longitude 073-22-15.2 west

Measurements (Meters)

Overall Structure Height (AGL) 48.8
Support Structure Height (AGL) NaN
Site Elevation (AMSL) 276.8

Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

Tower Construction Notifications

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

CLOSE WINDOW

SECTION 4

Environmental Assessment Statement

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

No significant water flow and/or water quality changes are anticipated as a result of the construction or operation of the proposed facility. The construction and operation of the tower and related site improvements will have no direct effect on any off-site watercourses or waterbodies, and the equipment associated with the facility will discharge no pollutants to area surface or groundwater systems. Best Management Practices to control storm water and soil erosion during construction will be implemented.

B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the proposed facility would emit no air pollutants of any kind. A diesel-powered generator for emergency power is proposed which will have compliant air emissions associated with its operation.

C. LAND

Clearing and grading will be necessary for the access drive and the compound area. The remaining land of the host parcel and the access parcel would remain unchanged by the construction and operation of the facility.

D. NOISE

The equipment to be in operation at the facility would not emit noise other than that provided by the operation of the installed heating, air-conditioning and ventilation system. Some construction related noise would be anticipated during facility construction, which is expected to take approximately six to eight weeks. Temporary power outages could involve sound from the emergency generator.

E. POWER DENSITY

The cumulative worst-case calculation of power density from AT&T's operations at the facility would be 5.20% of the federally promulgated emissions standard. Attached is a copy of a Power Density Report dated January 6, 2011 prepared by AT&T's radio frequency consultant C Squared Systems.

F. VISIBILITY

The potential visual impact of the proposed monopole was determined by preparation of the attached Preliminary Viewshed Analysis. The potential visibility was assessed within an approximate two (2) mile radius using a computer-based, predictive view shed model. The majority of year-round visibility associated with the proposed Facility occurs over portions of Second Hill Road, located to the southeast of the proposed facility. Year-round visibility would be limited to these areas due to the topography and vegetative cover in the area.

II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The parcel on which the facility is located and immediate surrounding areas exhibit no scenic, natural, historic or recreational characteristics that has been formally documented as unique. The Connecticut State Historic Preservation Officer ("SHPO") DEP and the US Department of the Interior have been contacted to review the project.

Tony Wells
 C Squared Systems
 920 Candia Road
 Manchester, NH 03109
 603-657-9702
 Tony.Wells@csquaredsystems.com



January 6, 2011

Connecticut Siting Council

Subject: New Cingular Wireless, Bridgewater, CT

Dear Connecticut Siting Council:

C Squared Systems has been retained by New Cingular Wireless to investigate the RF Power Density at the proposed site located at 111 Second Hill Rd, Bridgewater, CT.

Calculations were done in accordance with FCC OET Bulletin 65. These worst-case calculations assume that all transmitters are simultaneously operating at full power and pointing directly at the ground. The calculation point is 6 feet above ground level to model the RF power density at the head of a person standing at the base of the tower.

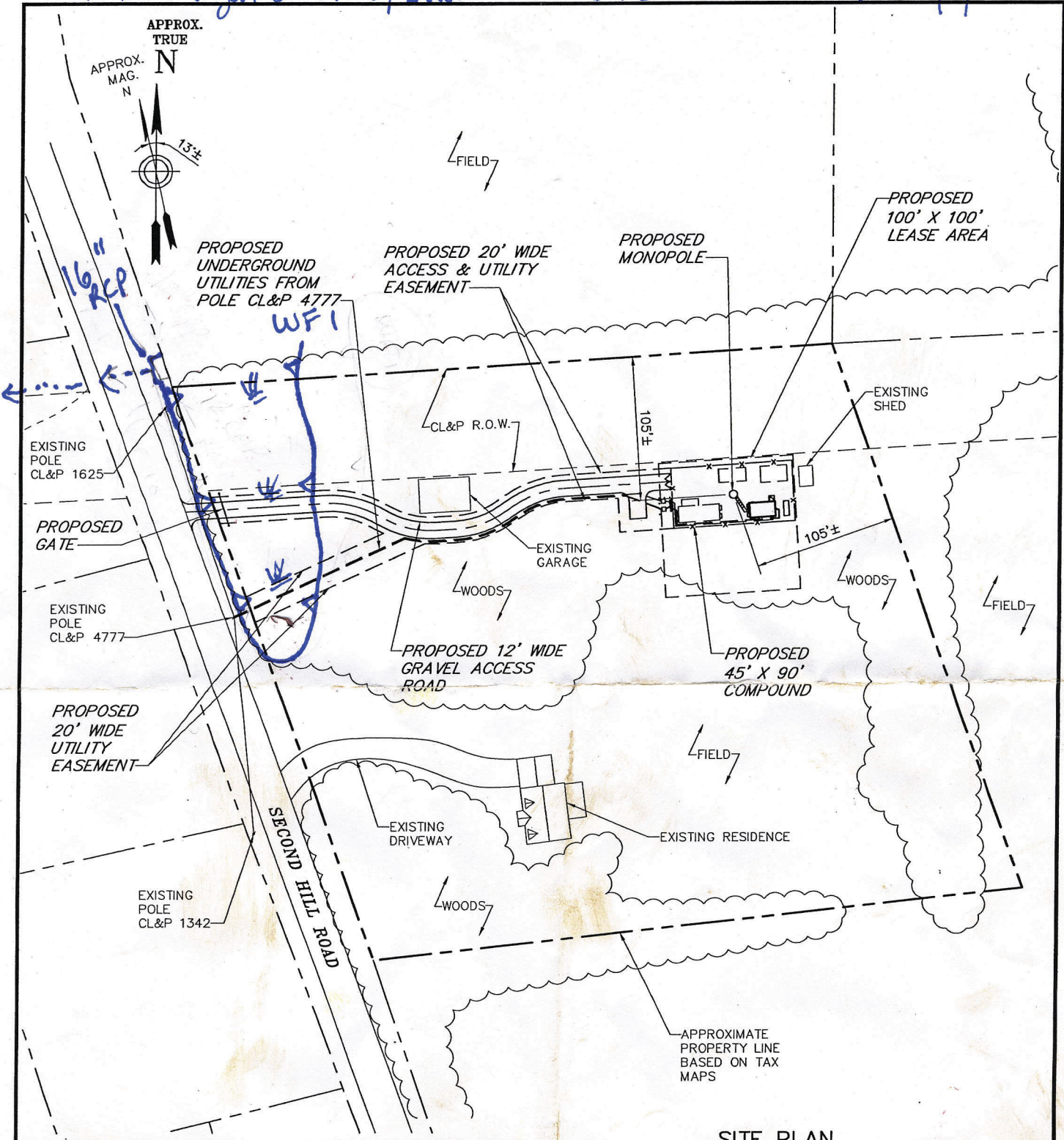
Location	Carrier	Antenna Centerline Height Above Ground Level (Ft.)	Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Power Density (mw/cm ²)	Limit	% FCC MPE Limit General Public/Uncontrolled
Ground Level	AT&T UMTS	157	880	1	500	0.0079	0.5867	1.34%
	AT&T UMTS	157	1900	1	500	0.0079	1.0000	0.79%
	AT&T GSM	157	880	3	296	0.0140	0.5867	2.39%
	AT&T GSM	157	1900	1	427	0.0067	1.0000	0.67%
Total								5.20%

Summary: Under worst-case assumptions, the RF Power Density at the proposed site located at 111 Second Hill Rd, Bridgewater, CT will not exceed 5.20% of the FCC MPE limit for General Public/Uncontrolled Environments.

Sincerely,

Anthony Wells
 Managing Partner

Vanasse Hangen Brustlin, Inc. - WETLAND SKETCH 1/11/11 DEG



NOTE:
 PROPOSED AT&T INSTALLATION SHOWN IS ONLY APPROXIMATE AND IS INTENDED FOR EXHIBIT PURPOSES ONLY. EXACT LOCATIONS, DIMENSIONS AND DETAILS WILL BE DETERMINED BY SURVEY AND FINAL ENGINEERING DESIGN.

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SR1252
 BRIDGEWATER
 111 SECOND HILL ROAD
 BRIDGEWATER, CT 06752
 LITCHFIELD COUNTY
 CHA PROJ. NO. - 18301-1071

1 OF 3
 REV 0
 LE-1

AT&T Site ID: SR1252
Bridgewater
111 Second Hill Road
Bridgewater, Connecticut

Prepared for: **SAI Communications, Inc.**

Prepared by: **VHB/Vanasse Hangen Brustlin, Inc.**
54 Tuttle Place
Middletown, Connecticut

December 2010

Phase I Environmental Site Assessment

AT&T Site ID: SR1252
Bridgewater
111 Second Hill Road
Bridgewater, Connecticut

Prepared for: **SAI Communications, Inc.**

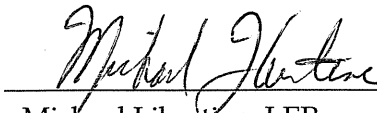
Prepared by: **VHB/Vanasse Hangen Brustlin, Inc.**
Transportation, Land Development, Environmental Services
54 Tuttle Place
Middletown, Connecticut 06457

Site
Investigator



Amy Vaillancourt, Project Manager

Technical
Review



Michael Libertine, LEP
Director of Environmental Services, CT

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Appendices

Appendix	Description
A	Limitations
B	Environmental Database Summary Report
C	Municipal Information

1

Executive Summary

At the request of SAI Communications (the “Client”) and on behalf of New Cingular Wireless PCS LLC, (“AT&T”), Vanasse Hangen Brustlin, Inc. (VHB) conducted a Phase I Environmental Site Assessment (ESA) in association with a proposed wireless telecommunications facility (AT&T: SR1252) consisting of a 100-foot by 100-foot ground lease area, and 20-foot wide access and utilities easement (collectively the “Site”) on portions of property located at 111 Second Hill Road in Bridgewater, Connecticut (the “host property”).

This ESA was conducted to identify potential areas of environmental concern at the Site and within the vicinity of the host property based on a review of available environmental information and observations at the Site for overt evidence of a release or threat of a release of oil or hazardous materials (OHM). Reconnaissance of the Site was conducted on December 7, 2010, to document visual observations of accessible portions of the Site and host property.

This ESA is subject to the terms of the agreement between VHB and the Client and the Limitations included in Appendix A.

Host Property/Site Characteristics and Vicinity

The host property is a 4.5-acre residential parcel situated east of Second Hill Road. The host property is improved with a 2,000-square foot single family residence and two outbuildings including a garage and shed. The residence is located on the southwest portion of the host property and the shed and garage are located on the northeast and northwest corners of the property, respectively. The 100-foot by 100-foot lease area would be located on the northwest portion of the host property. The proposed 20-foot wide access and utilities easement would extend from Second Hill Road in an easterly direction to the lease and compound area. The utilities would be routed underground from the existing utility pole (SNET 4777) off of Second Hill Road.

Land use in the vicinity of the host property is a mixture of sparse residential development, woodlands and fields.

Records Review

Based on information reviewed, the host property was developed with the existing residence circa 1964. Aerial photographs reviewed indicate with the exception of the host property garage and shed, the Site area has always existed as undeveloped land or woodlands. The host property

was not identified on any of the federal and state environmental databases provided in the FirstSearch Technology Corporation (FirstSearch™) report. According to municipal personnel, no releases of OHM or environmental issues are known for the Site/host property. Town of Bridgewater Assessor's information indicates the residence on the host property is heated via oil and is served via a septic system and private potable well.

Site Reconnaissance

VHB conducted a Site reconnaissance on December 7, 2010. VHB was unescorted during the Site reconnaissance. The Site area currently exists as woodlands along the northern portion of the host property. A one-car garage is located on the northwest corner of the host property and a small wooden shed is located on the northeast corner of the host property. These structures are located adjacent to the Site and appeared dilapidated with surrounding overgrown vegetation. Access to these structures was not granted at the time of the Site reconnaissance. No overt evidence of OHM dumping or other environmental concerns associated with the Site/host property were identified during the Site reconnaissance.

Conclusion

No significant environmental concerns were identified at the host property or Site. As a result, VHB does not believe additional investigations are warranted at the Site. If any excess soils are generated during construction and require off-site disposal, these soils should be properly characterized to ensure the material meets the planned receiving facility's criteria. This can be coordinated by the Site contractor and included as a contingency as part of the bid process.

2

Site Description

Host Property and Site Description

The southwestern portion of the host property is developed with a single-family residence. A small wood shed is located in the proposed compound area. A detached garage is located west of the Site on the northern portion of the host property. The residence and garage are accessed via driveways from Second Hill Road. The remainder of the host property is a mixture of wooded areas surrounding a cleared field. The proposed Site is located within the northeastern portion of the host property, with the proposed access road and utilities easement to extend from Second Hill Road.

Land use in the vicinity of the host property is a mix of sparse residential development, woodlands and cleared agricultural fields.

Physical Setting

Current USGS 7.5 Topographic Map Quadrangle:

USGS 7.5-Minute Roxbury Quadrangle topographic map dated 1955 – Photo revised 1984 (see Figure 1 map).

Site elevation above mean sea level (AMSL) - 900-feet

Groundwater Classification:

- GAA - Groundwater is suitable for human consumption and other domestic uses without prior treatment.
- GA - Groundwater is suitable for human consumption and other domestic uses without prior treatment.
- GB - Groundwater is not suitable for human consumption and other domestic uses without prior treatment.
- GC - Groundwater is believed to be suitable for human consumption and other domestic uses without prior treatment.

Nearest Surface Water Body and Classification:

Surface Water Body Name – unnamed tributary of Hop Brook.

Distance and Direction – approximately 1,600 feet east of the host property.

Connecticut Department of Environmental Protection (CTDEP) Classification:

- Class AA, A and SA surface waters: discharges may be permitted by the Commissioner from public or private drinking water treatment systems, dredging

activity and dredge material dewatering operations, including the discharge of dredged or fill material and clean water discharges.

Class B and SB surface waters: discharges may be permitted for all those allowed in Class AA, A and SA surface waters, cooling water discharges, discharges from municipal and industrial wastewater treatment systems and other discharges subject to the provisions of Section 22a-430 of the Connecticut General Statutes.

Class C/B, D/B, SC/SB or SD/SB surface waters: shall not be a reason for authorizing a new discharge that would prevent the attainment of Class B or Class SB designated uses and quality criteria.

The designation of a surface water as Class B/AA, B/A, C/A, SB/SA, or SC/SA shall not be a reason for authorizing a new discharge that would prevent the attainment of Class AA, A or SA Water Quality Criteria.

Aquifer Protection Area:

- No - The Site/host property is not located within an Aquifer Protection Area.
- Yes - The Site/host property is located within an Aquifer Protection Area.

Bedrock Geology:

Type - Ratlum Mountain Schist

Description - A gray, medium-grained schist and granofels.

Terrane - Iapetos (Oceanic) Terrane / Connecticut Valley Synclinorium.

Surficial Geology:

Type - Thick Till.

Soil - Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony and

Woodbridge fine sandy loam, 2 to 8 percent slopes, very stony.

FEMA Map and Classification:

Map - FEMA FIRM #090184 0001B dated November 1, 1979.

Classification - Zone C.

Description of Structures

<u>Type</u>	<u>Dimensions</u>	<u>Location</u>	<u>Build Date</u>
Single-family residential home	2,088 square-feet	Southwestern portion of host property	1964
Detached garage	576	Northwest portion of host property (adjacent to access/utility easement)	Approximately 1965
Shed	+/- 30 square feet	Northeast portion of the host property (adjacent to lease area)	Unknown

Previous Investigations

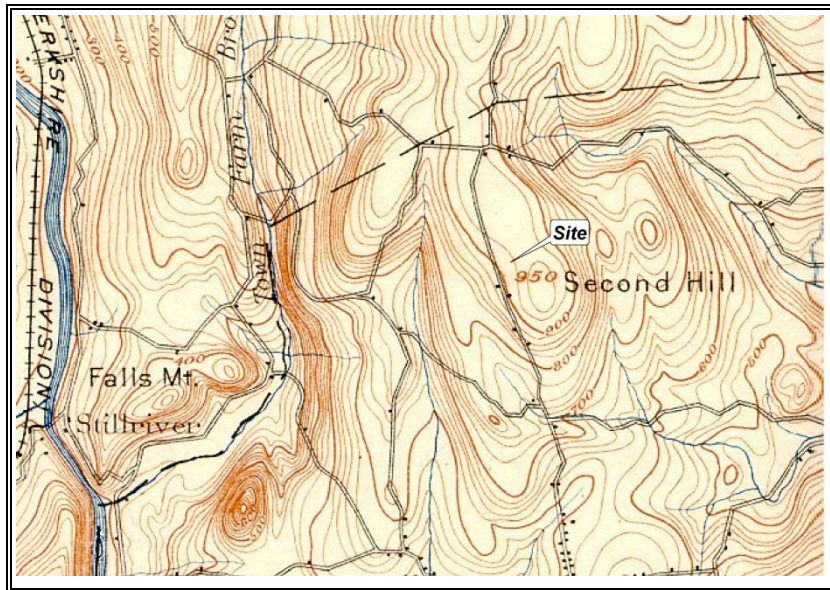
- No previous investigations or reports were identified or provided.
- Previous investigation(s) or report(s) were identified during the records review portion of this investigation; refer to the Records Review section of this report for details.
- Previous investigation(s) or report(s) were identified or provided for the host property/Site and summarized in the table below.

Historical Records Review

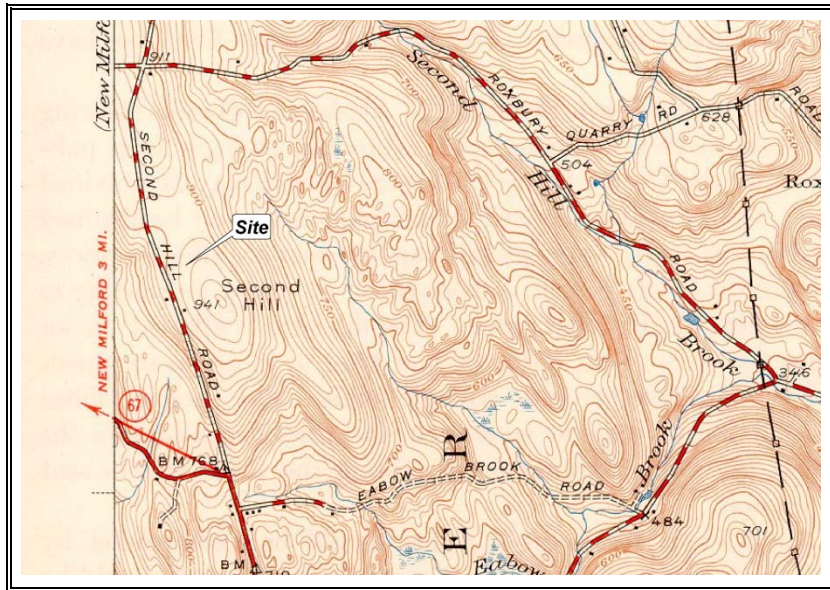
VHB reviewed the available historical USGS topographic quadrangle mapping below during the completion of this investigation.

Historical Topographic Maps

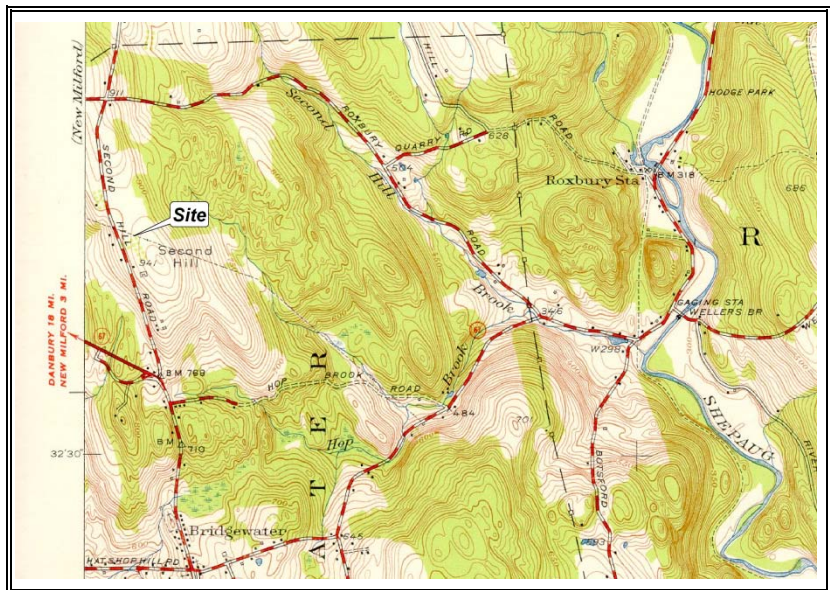
1904 USGS Topographic Quadrangle Map



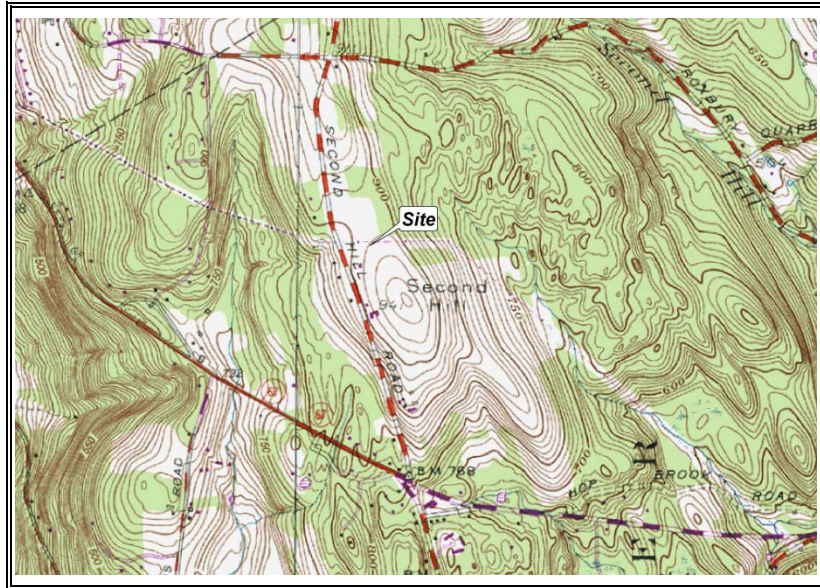
1949 USGS Topographic Quadrangle Map



1955 USGS Topographic Quadrangle Map



1984 USGS Topographic Quadrangle Map



Historical Aerial Photographs

VHB reviewed the following available historical aerial photographs during the completion of this investigation.

1934 Aerial Photograph



1965 Aerial Photograph



1991 Aerial Photograph



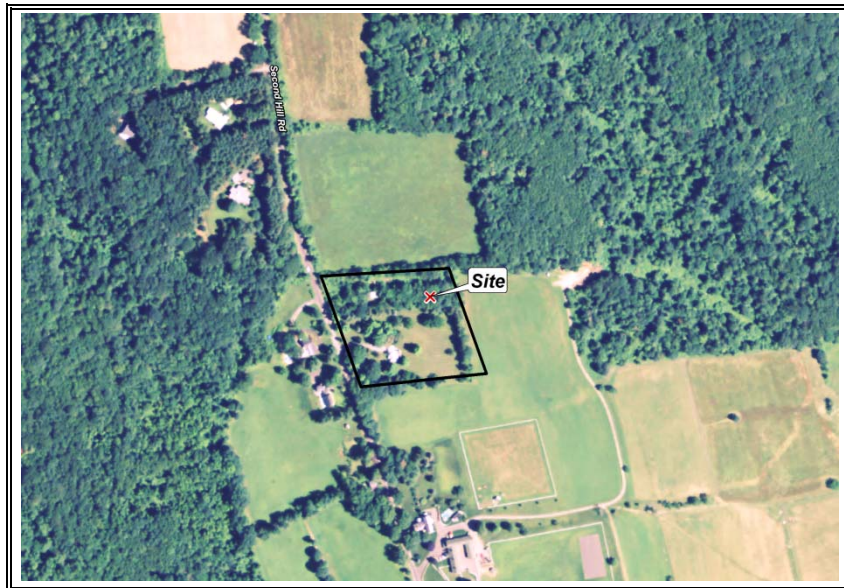
2004 Aerial Photograph



2006 Aerial Photograph



2008 Aerial Photograph



Historic Sanborn Fire Insurance Maps

Sanborn Fire Insurance Map Coverage

VHB reviewed available Sanborn Fire Insurance Maps for the Bridgewater area. The Site area is not covered on the reviewed Sanborn Maps.

City Directories

Based upon the information identified through municipal and historic sources, VHB did not find it necessary to conduct a review of City Directories at the Connecticut State Library for the host property. The host property has been developed with a residence since 1964 and existed as undeveloped land prior to that.

3

Records Review

VHB conducted regulatory file reviews to help identify properties in the vicinity of the Site and host property that have had a release or pose a threat of release of OHM, and may potentially impact the environmental quality of the host property. VHB reviewed federal and state environmental databases summarized in the FirstSearch Technology Corporation (FirstSearch™) report.

Environmental Database Search

VHB reviewed the following FirstSearch™ environmental databases: National Priority List (NPL) sites; Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS); CERCLIS Archived sites (NFRAP), Resource Conservation and Recovery Act (RCRA) Corrective Action sites (RCRA COR ACT), RCRA Treatment, Storage, and Disposal (RCRA TSD) facilities list, RCRA hazardous waste generators (RCRA GEN), Federal Instructional Controls (IC)/Engineered Controls (EC), Emergency Response Notification System sites (ERNS), State and Tribal lands, State list of hazardous waste sites (State sites), state list of spills sites (State Spills 1980 & 1990), Active Solid Waste Landfill (SWL) facilities, Leaking Underground Storage Tanks (LUSTs), registered underground or aboveground storage tanks (USTs/ASTs), State/Tribal listed sites with Engineering Controls (State EC), State/Tribal listed sites with Institutional Controls (State IC), database of Property Transfer Program and Voluntary Remediation Program sites (State/Tribal VCP) and State listed Brownfields (State/Tribal Brownfields).

The FirstSearch™ report is attached as Appendix B. Database search radii were chosen generally in accordance with the ASTM 1527-05 Standard Practice for Environmental Site Assessments:

DATABASE	SEARCH RADIUS (in miles)	NUMBER OF HOST PROPERTIES WITHIN SEARCH RADIUS
NPL	1.00	0
NPL Delisted	0.50	0
CERCLIS	0.50	0
NFRAP	0.50	0
RCRA COR ACT	1.00	0
RCRA TSD	0.50	0
RCRA GEN	0.25	0
Federal IC / EC	0.50	0
ERNS	0.12	0
Tribal Lands	1.00	0
State/Tribal Sites	1.00	1
State Spills 90	0.12	0
State/Tribal SWL	0.50	0
State/Tribal LUST	0.50	1
State/Tribal UST/AST	0.25	0
State/Tribal EC	0.50	0
State/Tribal IC	0.25	0
State/Tribal VCP	0.50	0
State/Tribal Brownfields	0.50	0
State Other	0.25	0

According to the FirstSearch™ report, the host property is not identified on any of the above listed environmental databases.

VHB reviewed the two listings identified above and the non-geocoded (properties with minimal or no address information) listings identified by FirstSearch™ environmental database report within the specified search radii. None of these listings reviewed within the search radii appear to be associated with the host property and none of these listings are expected to have a direct effect on environmental conditions at the host property/Site.

State Record Sources

Based upon the information identified in the FirstSearch™ report, municipal and historic sources, and our review of Connecticut Department of Environmental Protection (CTDEP) list of contaminated or potentially contaminated sites, VHB did not find it necessary to conduct a review of files at the CTDEP file room for the host property.

Municipal Record Sources

Select municipal offices were contacted in December 2010, to obtain information regarding the Site/host property history and use, zoning, and oil or hazardous materials use, storage, release, and/or disposal practices. A summary of the information collected is presented below. Copies of municipal information are provided in Appendix C.

Assessor's Office

<u>Map/Block/Lot</u>	<u>Address</u>	<u>Acres</u>	<u>Zoning</u>	<u>Current Owner</u>	<u>Current Deed</u>	<u>Deed Date</u>
Map 28 Lot 50	111 Second Hill Road	4.50	Residential (RR-3)	Robert J. Riebe	Vol 43, Page 362	12/04/1995

Building/Zoning Department

VHB contacted Ms. Lois Carreira from the Town of Bridgewater Building/Zoning Department via email on December 14, 2010 to obtain information regarding the Site/host property. According to Ms. Carreira, the host property currently has an open permit for a kitchen bathroom remodel. No other records were on file for the Site/host property.

Health Department

VHB contacted Mr. Keith Vaughn of the Town of Bridgewater Health Department on December 15, 2010 to obtain information regarding the Site/host property. According to Mr. Vaughn, there are no records on file for the Site/host property.

Fire Marshal's Office

VHB contacted the Town of Bridgewater Fire Marshal on December 13, 2010 via e-mail to request information on the Site/host property. According to e-mail response, no records on file for Site/host property.

4

Site Reconnaissance

VHB performed host property/Site reconnaissance on December 7, 2010 that included observations of the host property and Site for overt evidence of OHM. Observations were limited to the proposed Site area and immediate surrounding vicinity of the host property. Photographs taken during the host property reconnaissance are provided below.

Host Property Utilities

Potable Water:

- Serviced by municipal water.
- Serviced by a private potable well.
- No water service currently exists.

Sanitary:

- Serviced by municipal sanitary system.
- Serviced by on-site septic system.
- No sewerage system currently exists.

Heating:

- Heated via a natural gas connection.
- Heated via #2 heating fuel oil.
 - Presumed AST
 - UST
 - Tank Capacity: xxx-gallons
- Heated via propane.
 - AST
 - UST
 - Tank Capacity: xxx-gallons
- No heating source currently exists.

Electrical Service:

- Connected to electrical service via overhead connection.
- Connected to electrical service via underground connection.
 - Pad-mounted transformer.
 - Pole-mounted transformer.
- No electrical service currently exists.

Telephone Service:

- Connected to telephone service via overhead connection.
- Connected to telephone service via underground connection.
- No telephone service currently exists.

Site Reconnaissance Photograph Log

Photo 1: View of area of proposed access road looking east towards Site.



Photo 2: View of proposed tower location (pink ribbon).



Photo 3: View of area of proposed compound area.



Photo 4: View of detached garage adjacent to proposed access road.



Photo 5: View of host property



References

Town of Bridgewater municipal file review, December 2010.

Site Reconnaissance, December 7, 2010.

FirstSearch™ Technology Corporation (FirstSearch™) report, dated December 6, 2010.

USGS historical topographic maps: University of New Hampshire Diamond Library Documents and Department & Data Center, Historic USGS Maps of Connecticut online website
<http://docs.unh.edu/towns/ConnecticutTownList.htm>.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Mapping Panel No. 090184 0001B- effective date: November 1, 1979.

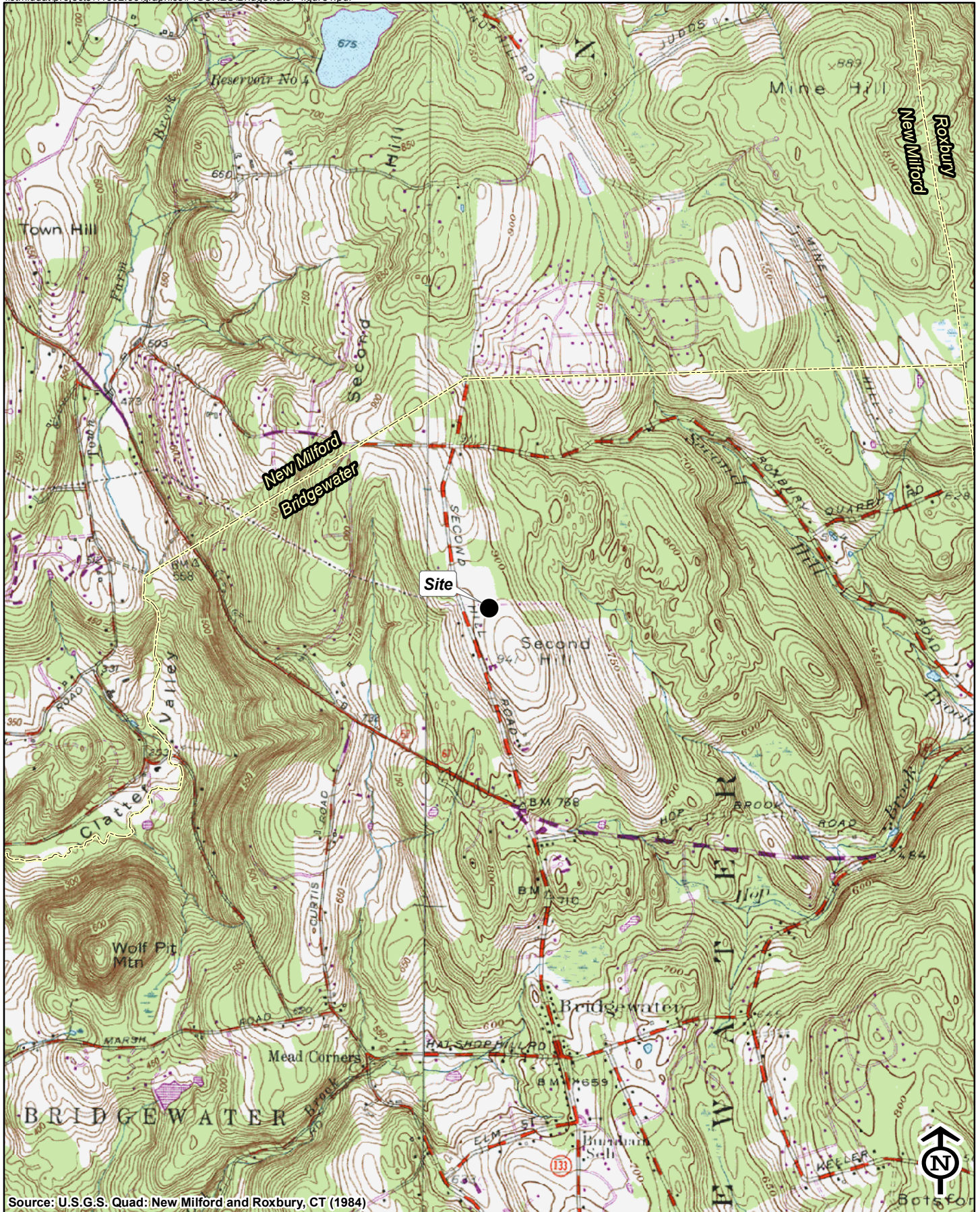
Aerial photographs: UCONN Map and Geographic Information Center available GIS aerial photography web services (1934, 1991 and 2008), and AirPhoto USA 2006 aerial photographs.

GIS data for bedrock, surficial geology, groundwater classification, and aquifer protection areas, provided and revised by CTDEP
(http://www.ct.gov/dep/cwp/view.asp?a=2698&q=322898&depNav_GID=1707).

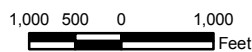
CTDEP list of contaminated or potentially contaminated properties
http://www.ct.gov/dep/cwp/view.asp?a=2715&q=325018&depNav_GID=1626

CTDEP list of reported significant environmental hazards
http://www.ct.gov/dep/cwp/view.asp?a=2715&q=324972&depNav_GID=1626

Figures

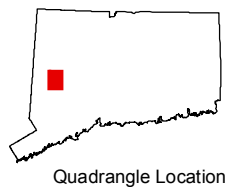


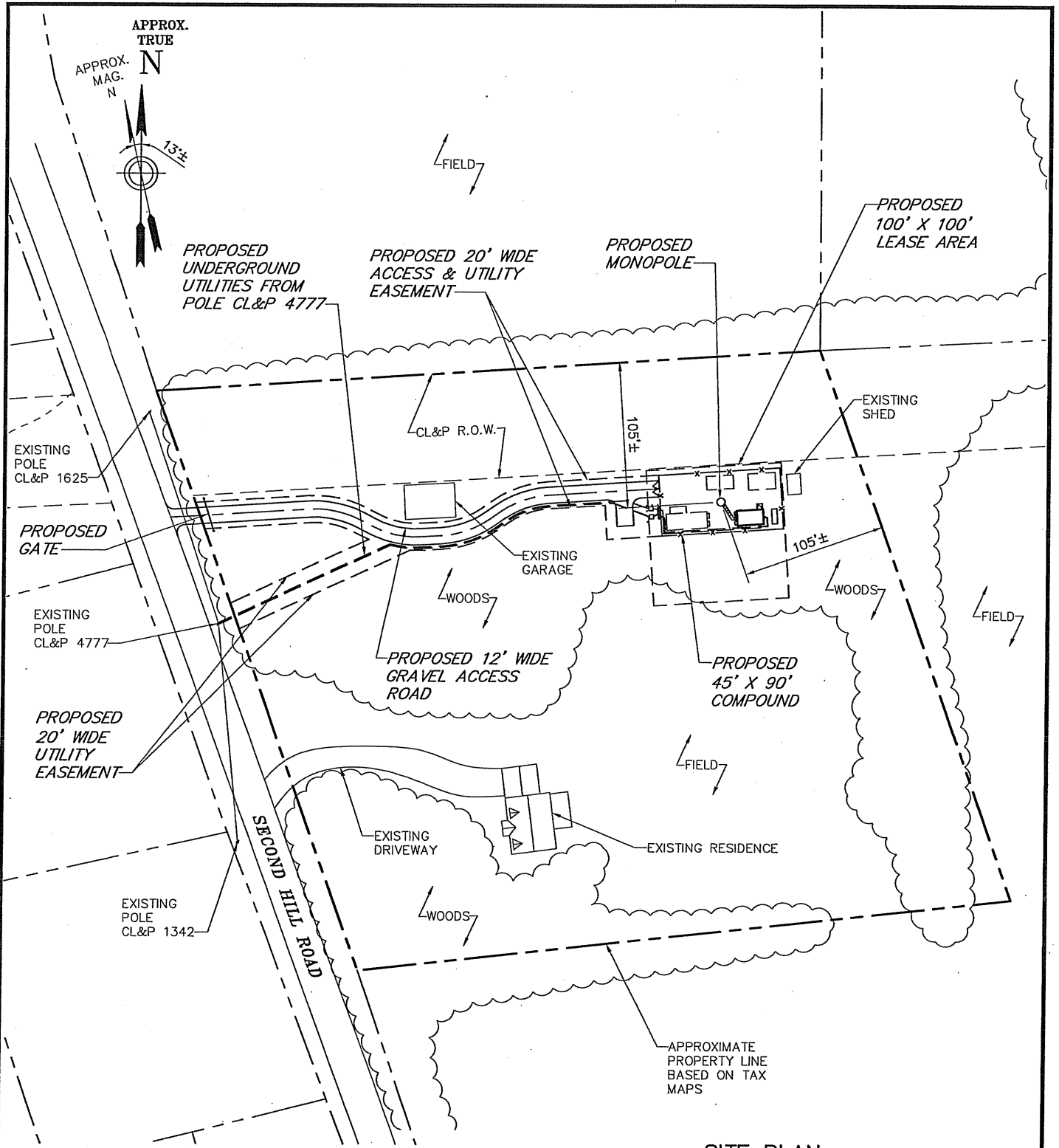
Source: U.S.G.S. Quad: New Milford and Roxbury, CT (1984)



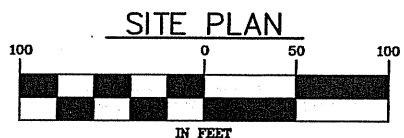
Vanasse Hangen Brustlin, Inc.

Figure 1
Site Location Map
Proposed AT&T Wireless Facility
Bridgewater - SR1252
111 Second Hill Road
Bridgewater, Connecticut





NOTE:
 PROPOSED AT&T INSTALLATION SHOWN IS ONLY APPROXIMATE AND IS INTENDED FOR EXHIBIT PURPOSES ONLY. EXACT LOCATIONS, DIMENSIONS AND DETAILS WILL BE DETERMINED BY SURVEY AND FINAL ENGINEERING DESIGN.



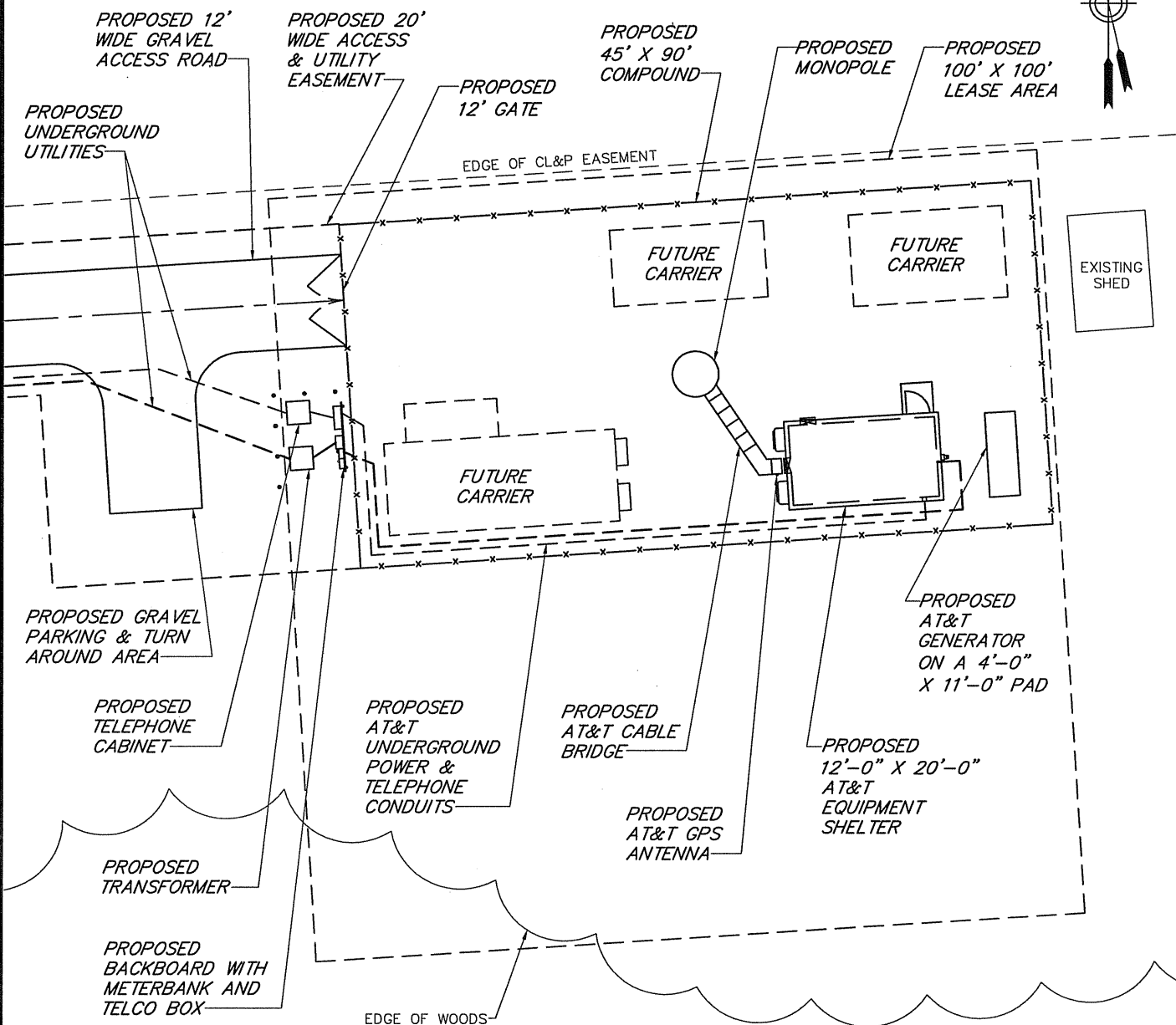
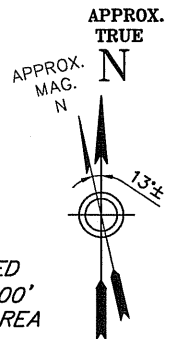
Drawing Copyright © 2010

2130 Stas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2338
 Mair: (860) 257-4557 • www.chacompanies.com

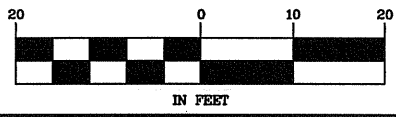
Your world. Delivered.
 NEW CINGULAR WIRELESS PCS, LLC
 500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

SR1252
 BRIDGEWATER
 111 SECOND HILL ROAD
 BRIDGEWATER, CT 06752
 LITCHFIELD COUNTY
 CHA PROJ. NO. - 18301-1071

1 OF 3
REV 0
LE-1



PARTIAL SITE PLAN
GRAPHIC SCALE



NOTE:
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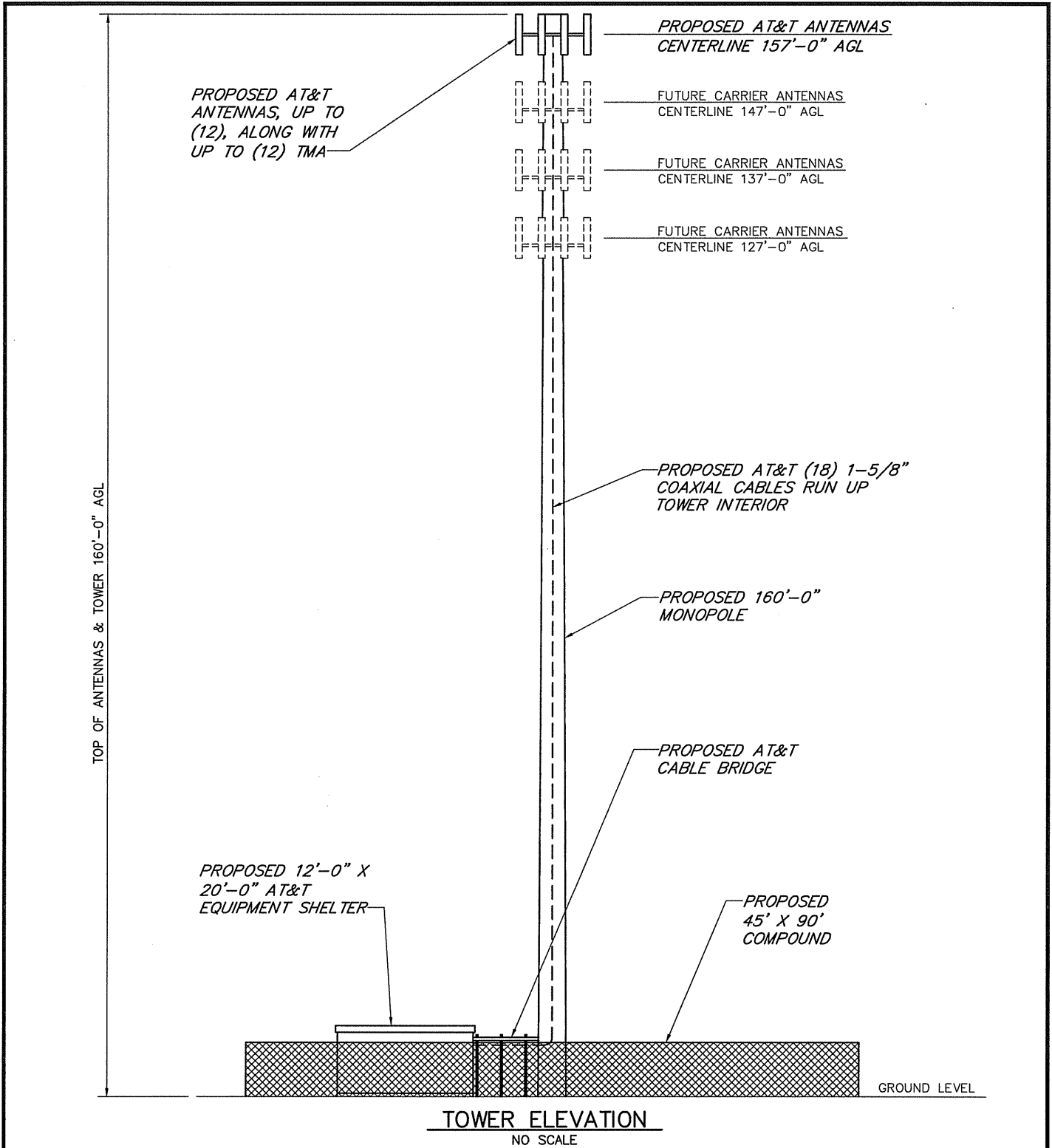
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SR1252
BRIDGEWATER
111 SECOND HILL ROAD
BRIDGEWATER, CT 06752
LITCHFIELD COUNTY
CHA PROJ. NO. - 18301-1071

2 OF 3
REV 0
LE-2



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 111 SECOND HILL ROAD
 BRIDGEWATER, CT 06752
 LITCHFIELD COUNTY
 CHA PROJ. NO. - 18301-1071

3 OF 3

REV 1

LE-3

Appendix A

Limitations

AT&T Site ID: SR1252
111 Second Hill Road
Bridgewater, Connecticut

At the request of SAI Communications (the "Client") and on behalf of New Cingular Wireless PCS LLC, ("AT&T"), Vanasse Hangen Brustlin, Inc. (VHB) conducted a Phase I Environmental Site Assessment (ESA) in association with a proposed wireless telecommunications facility (AT&T: SR1252) consisting of a 100-foot by 100-foot ground lease area and associated 20-foot wide access and utilities easement on portions of property located at 111 Second Hill Road in Bridgewater, Connecticut (the "host property"), and is subject to and issued in connection with the Agreement and the provisions thereof. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and VHB, shall be at the User's sole risk.

- VHB was not authorized to access secured and occupied areas of the Site and/or property, including buildings, dwellings and other structures. No representation regarding current environmental conditions, other than observations made from exterior locations of the host property (including outside fenced areas of existing compounds) is provided herein.
- In conducting this assessment, VHB has obtained and relied upon information from multiple sources to form certain conclusions regarding potential environmental issues at and in the vicinity of the subject property. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information.
- No attempt has been made to assess the compliance status of any past or present Owner or Operator of the host property with any federal, state, or local laws or regulations.
- No attempt has been made to assess host property buildings, dwellings, and/or structures for the presence of asbestos containing materials or lead-based paint.
- The findings, observations, and conclusions presented in this report are limited by the scope of services outlined in our Agreement, which reflects schedule and budgetary constraints imposed by the Client for the current phase of environmental assessment. No other warranty, expressed or implied, is made.

- The assessment presented in this report is based solely upon information gathered to date. Should further environmental or other relevant information be developed at a later date, the Client should bring the information to the attention of VHB as soon as possible. Based upon an evaluation, VHB may modify the report and its conclusions.

Appendix B

Environmental Database Report

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

Target Property: SR1252

**111 SECOND HILL ROAD
BRIDGEWATER CT 06752**

Job Number: 41502.33

PREPARED FOR:

VHB

54 Tuttle Place

Middletown, CT 06457

12-06-10



Tel: (781) 551-0470

Fax: (781) 551-0471

**Environmental FirstSearch
Search Summary Report**

**Target Site: 111 SECOND HILL ROAD
BRIDGEWATER CT 06752**

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	10-21-10	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	10-21-10	0.50	0	0	0	0	-	0	0
CERCLIS	Y	08-31-10	0.50	0	0	0	0	-	0	0
NFRAP	Y	08-31-10	0.50	0	0	0	0	-	0	0
RCRA COR ACT	Y	09-14-10	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	09-14-10	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	09-14-10	0.25	0	0	0	-	-	0	0
RCRA NLR	Y	09-14-10	0.25	0	0	0	-	-	0	0
Federal Brownfield	Y	10-01-10	0.50	0	0	0	0	-	0	0
ERNS	Y	10-21-10	0.15	0	0	0	-	-	0	0
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	2	2
State/Tribal Sites	Y	04-23-10	1.00	0	0	0	0	1	1	2
State Spills 90	Y	11-18-10	0.25	0	0	0	-	-	2	2
State Spills 80	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal SWL	Y	12-16-09	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	11-30-10	0.50	0	0	0	1	-	20	21
State/Tribal UST/AST	Y	10-01-10	0.25	0	0	0	-	-	0	0
State/Tribal EC	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal IC	Y	01-01-05	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	04-23-10	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	05-01-08	0.50	0	0	0	0	-	0	0
State Other	Y	04-23-10	0.25	0	0	0	-	-	0	0
Federal IC/EC	Y	11-04-10	0.50	0	0	0	0	-	0	0
- TOTALS -				0	0	0	1	1	25	27

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch
Site Information Report***

Request Date: 12-06-10
Requestor Name: Phil Rydel
Standard: AAI

Search Type: COORD
Job Number: 41502.33
Filtered Report

Target Site: 111 SECOND HILL ROAD
 BRIDGEWATER CT 06752

Demographics

Sites: 27	Non-Geocoded: 25	Population: NA
Radon: 2 - 5 PCI/L		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-73.371723	-73:22:18	Easting: 635787.676
Latitude:	41.556777	41:33:24	Northing: 4601634.86
Elevation:	904		Zone: 18

Comment

Comment: AT T - SR1252

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)	Services:																																		
<table border="1"> <thead> <tr> <th>ZIP Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Sel</th> </tr> </thead> <tbody> <tr> <td>06776</td> <td>NEW MILFORD</td> <td>CT</td> <td>0.48 NW</td> <td>Y</td> </tr> </tbody> </table>	ZIP Code	City Name	ST	Dist/Dir	Sel	06776	NEW MILFORD	CT	0.48 NW	Y	<table border="1"> <thead> <tr> <th></th> <th>Requested?</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Fire Insurance Maps</td> <td>No</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>No</td> <td></td> </tr> <tr> <td>Historical Topos</td> <td>No</td> <td></td> </tr> <tr> <td>City Directories</td> <td>No</td> <td></td> </tr> <tr> <td>Title Search/Env Liens</td> <td>No</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>No</td> <td></td> </tr> <tr> <td>Online Topos</td> <td>No</td> <td></td> </tr> </tbody> </table>		Requested?	Date	Fire Insurance Maps	No		Aerial Photographs	No		Historical Topos	No		City Directories	No		Title Search/Env Liens	No		Municipal Reports	No		Online Topos	No	
ZIP Code	City Name	ST	Dist/Dir	Sel																															
06776	NEW MILFORD	CT	0.48 NW	Y																															
	Requested?	Date																																	
Fire Insurance Maps	No																																		
Aerial Photographs	No																																		
Historical Topos	No																																		
City Directories	No																																		
Title Search/Env Liens	No																																		
Municipal Reports	No																																		
Online Topos	No																																		

***Environmental FirstSearch
Sites Summary Report***

Target Property: 111 SECOND HILL ROAD
BRIDGEWATER CT 06752

JOB: 41502.33
AT T - SR1252

TOTAL: 27 **GEOCODED:** 2 **NON GEOCODED:** 25 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	LUST	KAREN SCHWARTZCHILD 200407818/CLOSED	41 DEER POND WOODS RD BRIDGEWATER CT 06752	0.44 NW	- 3	1
2	STATE	LEVENWORTH PROPERTY 2651/SUSPECTED	6 REVESE RD NEW MILFORD CT 06776	0.66 NE	- 96	2

Environmental FirstSearch Sites Summary Report

Target Property: 111 SECOND HILL ROAD
BRIDGEWATER CT 06752

JOB: 41502.33
AT T - SR1252

TOTAL: 27 **GEOCODED:** 2 **NON GEOCODED:** 25 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
LUST		L E BELCHER, INC. 200904316/CLOSED	4 EAST ST NEW MILFORD CT 06776	NON GC	N/A	N/A
STATE		MAGGI 886/SUSPECTED	BOARDMAN RD NEW MILFORD CT 06776	NON GC	N/A	N/A
SPILLS		ST OF CT DOT 933434/CLOSED	SECOND HILL RD BRIDGEWATER CT 06752	NON GC	N/A	N/A
SPILLS		WAYNE WOODWARD NATURE CONSERVA 201001674/CLOSED	59 SECOND HILL RD BRIDGEWATER CT 06752	NON GC	N/A	N/A
LUST		ELIZABETH WARNER-PARANOV 200900187/CLOSED	49 MAIN ST BRIDGEWATER CT 06752	NON GC	N/A	N/A
LUST		MAYWOOD ASSOC. 9802353/CLOSED	RTE 133 BRIDGEWATER CT 06752	NON GC	N/A	N/A
LUST		REGION 12 SCHOOL DISTRICT / BO 200904597/CLOSED	80 MAIN ST BRIDGEWATER CT 06752	NON GC	N/A	N/A
LUST		WALTER PIETRAS 200101503/CLOSED	108 OLD NEW MLFORD RD BRIDGEWATER CT 06752	NON GC	N/A	N/A
LUST		ALFRED SCHAEFER 200905589/CLOSED	11 CHIMNEY POINT ROAD NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		CANTERBURY SCHOOL HAVEMEYER DO 31233/LUST COMPLETED (PROG)	XX NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		GERARD S WATERS EDGE 45581/PENDING	TOWN PARTS RD NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		JANET ALVAREZ 200603754/CLOSED	75 CHURCH HILL RD NEW MILFORD CT 06776	NON GC	N/A	N/A
TRIBALLAND		BUREAU OF INDIAN AFFAIRS CONTA BIA-06776	UNKNOWN CT 06776	NON GC	N/A	N/A
LUST		MARC BURNETT 201005123/CLOSED	70 CHERNISKE ROAD NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		MICHAEL LOZIER 200904494/CLOSED	12 GLENBROOK DR NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		PATTY BOWERS 200703225/CLOSED	20 MEETING HOUSE RD NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		PETE CRONIN 200905267/CLOSED	3 CROSS ROAD NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		SAND and GRAVEL YARD 45338/PENDING	FORT HILL and FORT HILL RD NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		SCHULER RESIDENCE 200100012/CLOSED	2 SNAPPING TURTLE RD NEW MILFORD CT 06776	NON GC	N/A	N/A
LUST		TOWN OF NEW MILFORD 9807926/CLOSED	CLATTER VALLEY -- TOWN FARM NEW MILFORD CT 06776	NON GC	N/A	N/A

***Environmental FirstSearch
Sites Summary Report***

Target Property: 111 SECOND HILL ROAD
BRIDGEWATER CT 06752

JOB: 41502.33
AT T - SR1252

TOTAL: 27 **GEOCODED:** 2 **NON GEOCODED:** 25 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	LUST	TOWN OF NEW MILFORD 9901958/CLOSED	136 CANDLEWOOD LAKE RD NEW MILFORD CT 06776	NON GC	N/A	N/A
	LUST	TOWN OF NEW MILFORD, TOWN FARM 31601/LUST COMPLETED (PROG	CLATTER VALLEY RD NEW MILFORD CT 06776	NON GC	N/A	N/A
	LUST	UNITED WATER CO. WELL FIELD 45292/PENDING	FORT HILL RD NEW MILFORD CT 06776	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-06752	UNKNOWN CT 06752	NON GC	N/A	N/A
	LUST	JAMES CONKLIN 200806728/CLOSED	9 STEBEN CT NEW MILFORD CT 06776	NON GC	N/A	N/A

Environmental FirstSearch
Site Detail Report

Target Property: 111 SECOND HILL ROAD
BRIDGEWATER CT 06752

JOB: 41502.33
AT T - SR1252

LUST

SEARCH ID: 2 **DIST/DIR:** 0.44 NW **ELEVATION:** 901 **MAP ID:** 1

NAME: KAREN SCHWARTZCHILD	REV: 11/30/10
ADDRESS: 41 DEER POND WOODS RD BRIDGEWATER CT 06752	ID1: 200407818
	ID2:
CONTACT: NO RESPONSE	STATUS: CLOSED
SOURCE: CT DEP	PHONE:

SITE INFORMATION

DATE OF RELEASE: 11/12/2004
TIME OF RELEASE:

DISCHARGER: KAREN SCHWARTZCHILD
CT

DISCHARGER S PHONE: 860 3503808
ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): 2 FUEL OIL 0

CAUSE OF INCIDENT: 3 - INGROUND TANK FAILURE
OTHER:

REPORT TIME: 11/12/2004 12:50:42 PM
REPORTED BY: DAN NOONAN
REPORTER S PHONE: 4440600

AGENCY NOTIFIED: 9 - DEP
OTHER:
DEP BUREAU: BUREAU OF WASTE MANAGEMENT
DEP DIVISIPN: OIL AND CHEMICAL SPILL RESPONSE

ACTION TAKEN: 17 - REMOVED TANK
OTHER:

EMERGENCY MEASURES: 550 LUST, TANK REMOVED, NO FREE PRODUCTY OR GROUNDWATER, REMEDIATION TO BE REFERRED

RELEASE CLASS: 6 - PRIVATE

MEDIA AFFECTED: 6 - OTHER

Environmental FirstSearch
Site Detail Report

Target Property: 111 SECOND HILL ROAD
BRIDGEWATER CT 06752

JOB: 41502.33
AT T - SR1252

STATE

SEARCH ID: 1 **DIST/DIR:** 0.66 NE **ELEVATION:** 808 **MAP ID:** 2

NAME: LEVENWORTH PROPERTY
ADDRESS: 6 REVESE RD
NEW MILFORD CT

REV: 4/23/10
ID1: 2651
ID2:
STATUS: SUSPECTED
PHONE:

CONTACT:
SOURCE: CT DEP

SITE INFORMATION

WASTE TYPE1: HYDRO/OIL - HYDROCARBONS AND/OR FUEL OIL
WASTE TYPE2:
WASTE TYPE3:

DISPOSAL METHOD: UST

SAMPLE AVAILABLE: NO

LOCATION METHOD:

OTHER DEP: SPILLS
UPDATED BY: DORAN, E.
UPDATED PROGRAM: CORE
UPDATED: 11/8/1995

SW CLASSIFICATION:
GW CLASSIFICATION:

COMMENTS: SPILLS REC D REPORT OF CONTAMINATION DURING REMOVAV OF A 550 GAL 2 HO UST
8/30/95. (11/95)

SITE NAMES

COMMENTS:

REFERRAL INFORMATION

SOURCE: SPILLS
RECEIVED: 9/15/1995
STAFF:
PROGRAM:
ASSIGNED:
COMPLETED: 11/8/1995
OUTCOME: ON RECORD

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

Target Property: 111 SECOND HILL ROAD
BRIDGEWATER CT 06752

JOB: 41502.33
AT T - SR1252

Street Name	Dist/Dir	Street Name	Dist/Dir
Second Hill Rd	0.00 --		



Environmental FirstSearch

1 Mile Radius
ASTM Map: NPL, RCRACOR, STATE Sites



111 SECOND HILL ROAD, BRIDGEWATER CT 06752



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.556777 Longitude: -73.371723)
 - Identified Site, Multiple Sites, Receptor
 - NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
 - Triballand
 - Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



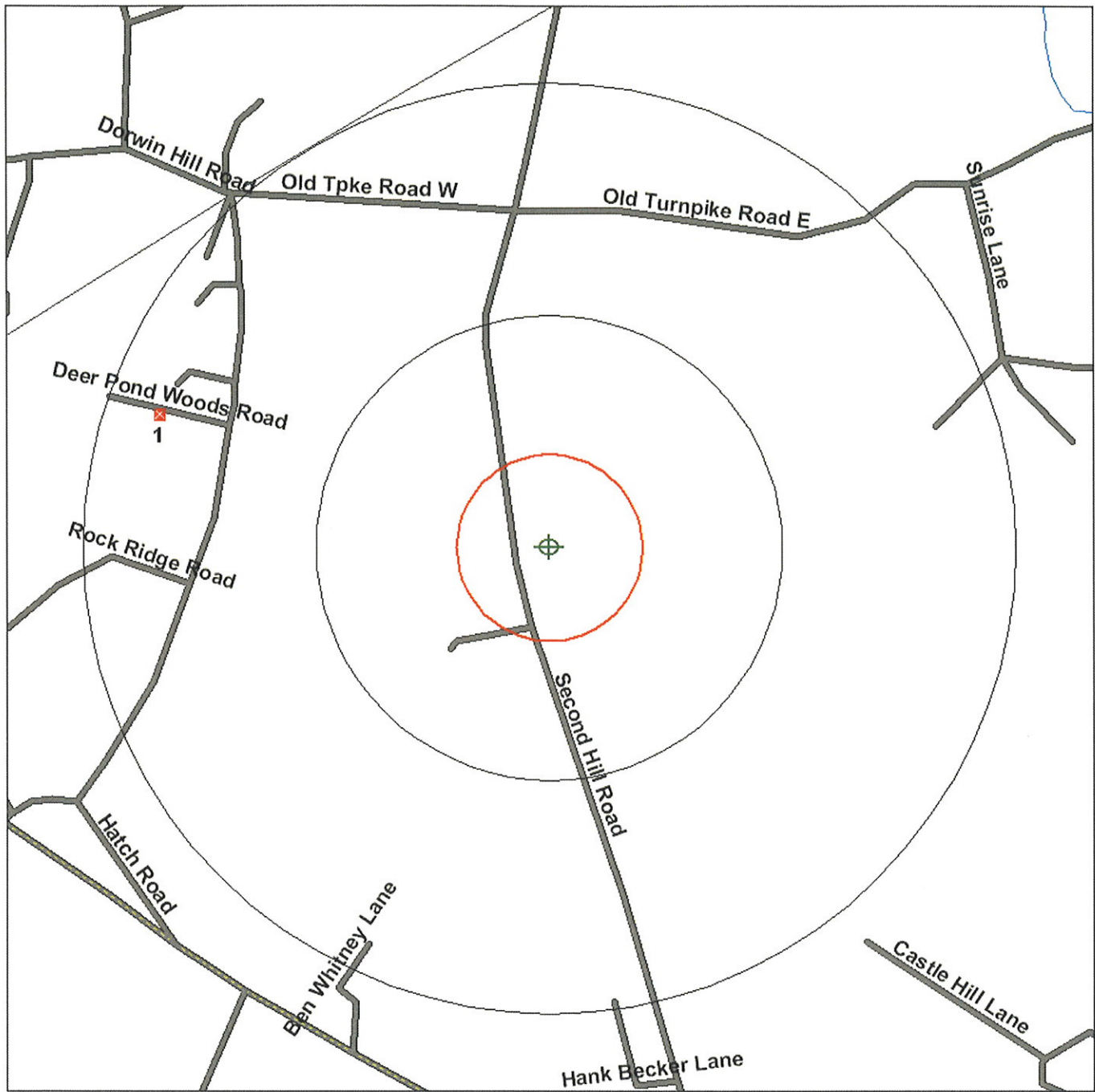
Environmental FirstSearch

.5 Mile Radius

ASTM Map: CERCLIS, RCRATSD, LUST, SWL



111 SECOND HILL ROAD, BRIDGEWATER CT 06752



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.556777 Longitude: -73.371723)
- Identified Site, Multiple Sites, Receptor
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
- Triballand
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



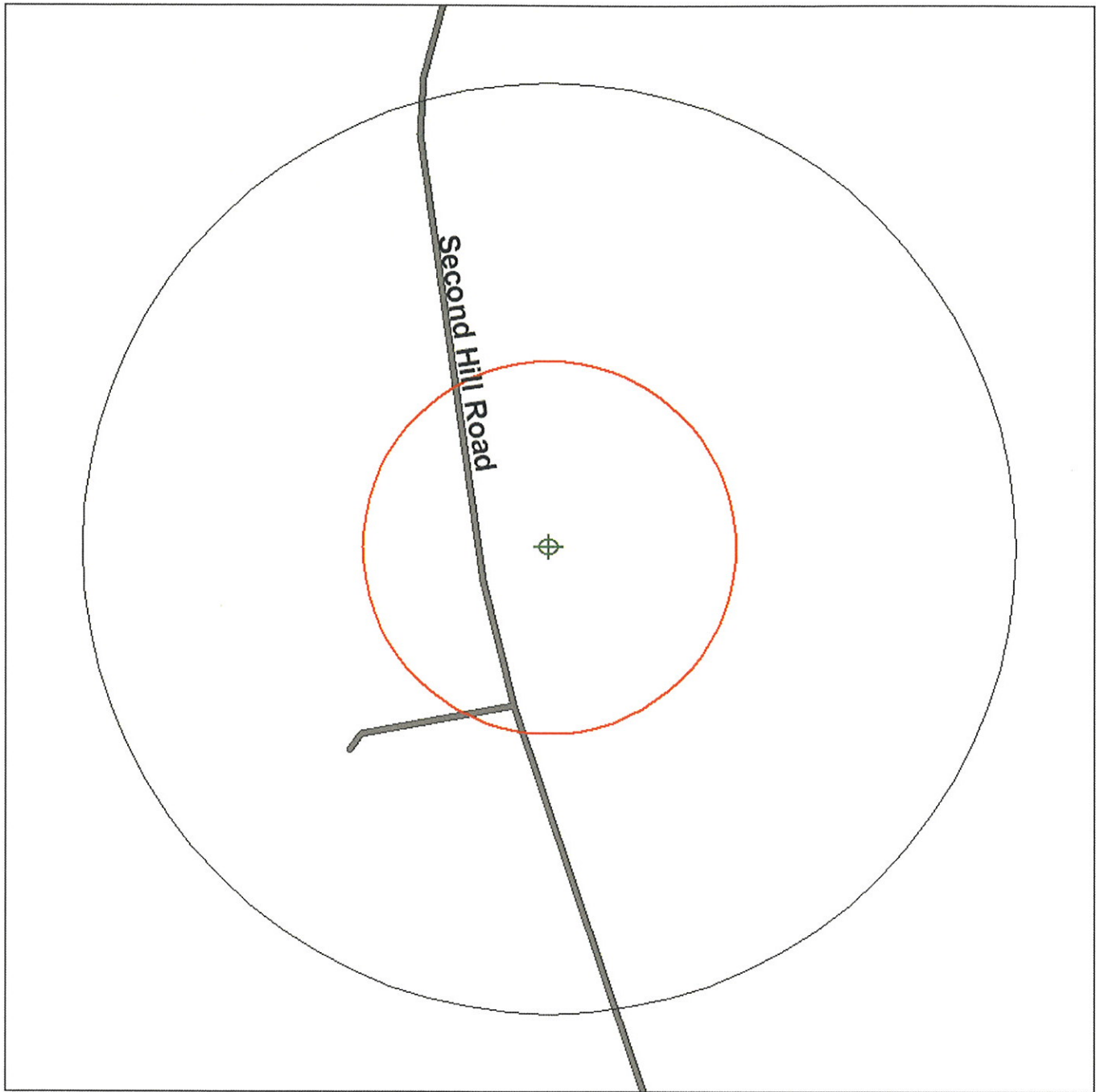
Environmental FirstSearch

.25 Mile Radius








ASTM Map: RCRA GEN, ERNS, UST, FED IC/EC, METH LABS



111 SECOND HILL ROAD, BRIDGEWATER CT 06752



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.556777 Longitude: -73.371723) 
 - Identified Site, Multiple Sites, Receptor   
 - NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste 
 - Triballand 
 - Railroads 
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

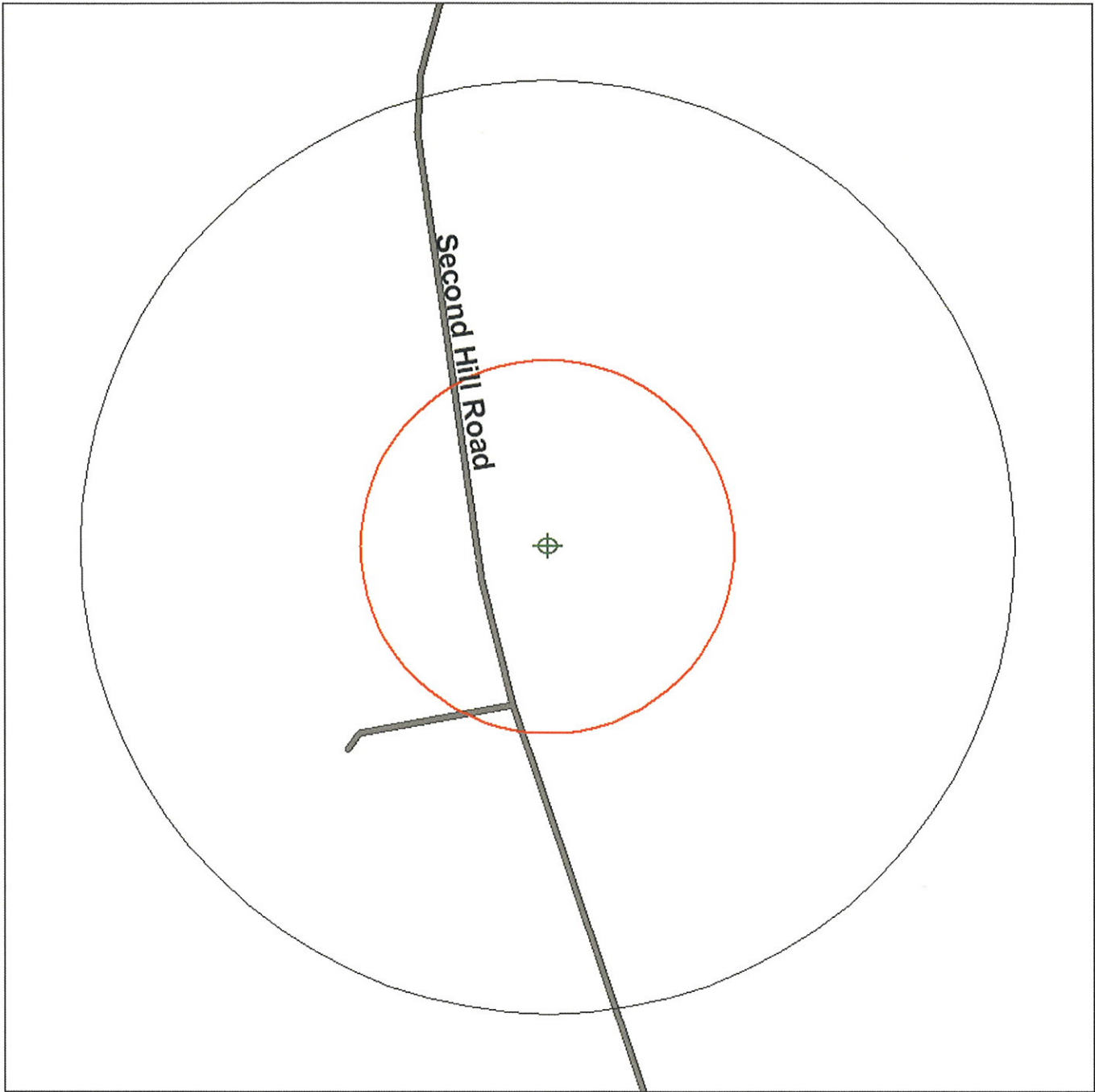


Environmental FirstSearch










.25 Mile Radius
Non-ASTM Map: No Sites Found



111 SECOND HILL ROAD, BRIDGEWATER CT 06752



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 41.556777 Longitude: -73.371723) 
- Identified Site, Multiple Sites, Receptor   
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste 
- Triballand 
- National Historic Sites and Landmark Sites  
- Railroads 
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Appendix C

Municipal Information

CURRENT OWNER		TOPO.		UTILITIES		STRT./ROAD		LOCATION		CURRENT ASSESSMENT		Assessed Value	
RIEBE ROBERT J		1 Level		6 Septic		1 Paved				Code		Assessed Value	
111 SECOND HILL ROAD				5 Private Well						1-1		163,500	
BRIDGEWATER, CT 06752										1-2		10,500	
Additional Owners:										1-3		156,000	
										1-4		156,000	
										400		400	
Other ID: 28/50//													
Census Tract 2501													
Survey Map:													
Survey Map: 0													
GIS ID:										Total		330,400	

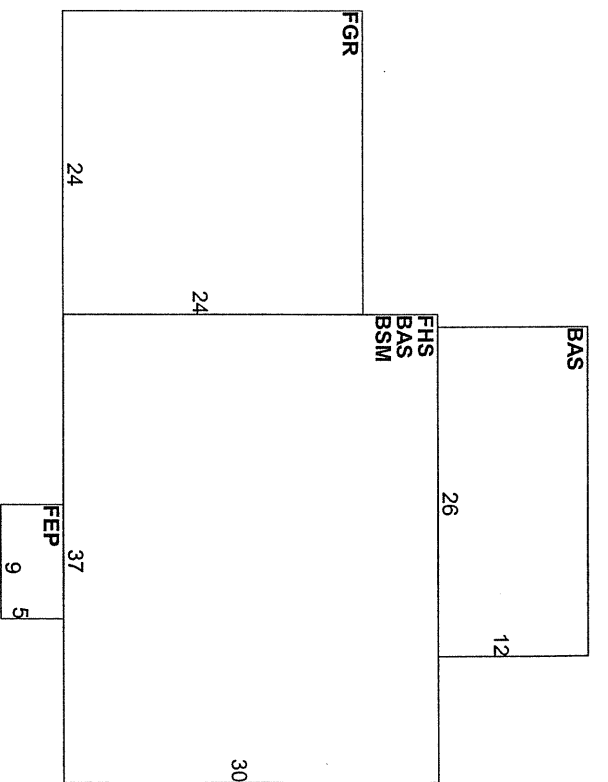
RECORD OF OWNERSHIP		BK-VOL/PAGE		SALE DATE		Q		SALE PRICE		V.C.		PREVIOUS ASSESSMENTS (HISTORY)	
RIEBE ROBERT J		43/ 362		12/04/1995		00		230,000		00		Yr. Code	
												Assessed Value	
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CONSTRUCTION DETAIL			CONSTRUCTION DETAIL (CONTINUED)		
Element	Cd.	Ch. Description	Element	Cd.	Ch. Description
Style	04	Cape Cod			
Model	01	Residential			
Grade	09	C+			
Stories	1.5	1 1/2 Stories			
Occupancy	1				
Exterior Wall 1	26	Aluminum Siding			
Exterior Wall 2	07	Asbest Shingle			
Roof Structure	03	Gable			
Roof Cover	03	Asphalt Shingl			
Interior Wall 1	05	Drywall			
Interior Wall 2	07	K Pine/A Wd			
Interior Fir 1	12	Hardwood			
Interior Fir 2	14	Carpet			
Heat Fuel	02	Oil			
Heat Type	05	Hot Water			
AC Type	01	None			
Total Bedrooms	03	3 Bedrooms			
Total Full Baths	1	1 Full Bath			
Total Half Baths	1	1 Half Bath			
Total Xtra Fixtrs	1				
Total Rooms	7	7 Rooms			
Bath Style	02	Average			
Kitchen Style	02	Average			
Fireplaces	1				
Whirlpool Tubs					
Fin Basement					
Fin Bsmt Qual					
Bsmt. Garages	0				

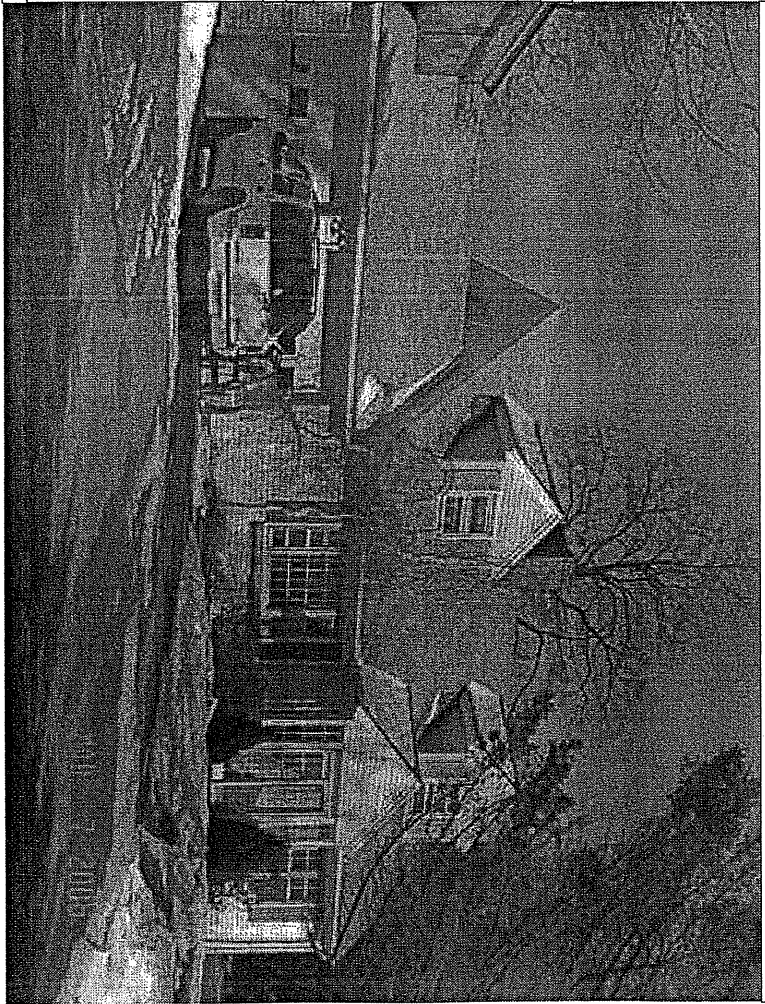
OB-OUTBUILDING & YARD ITEMS(D) / XF-BUILDING EXTRA FEATURES(B)					
Code	Description	Sub Description	L/B Units	Unit Price Yr	Gde Dp Rt Cnd %Cnd Apr Value
FSS	Farm Utly Str	FR Frame	L 209	5.69	1998 4 40 500

BUILDING SUB-AREA SUMMARY SECTION						
Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value
BAS	First Floor	1,422	1,422		118.33	168,260
BSM	Basement Area	0	1,110		23.67	26,268
FEP	Framed Enclosed Porch	0	45		76.25	3,431
FGR	Garage	0	576		35.54	20,470
FHS	Finished Half Story	666	1,110		71.00	78,805

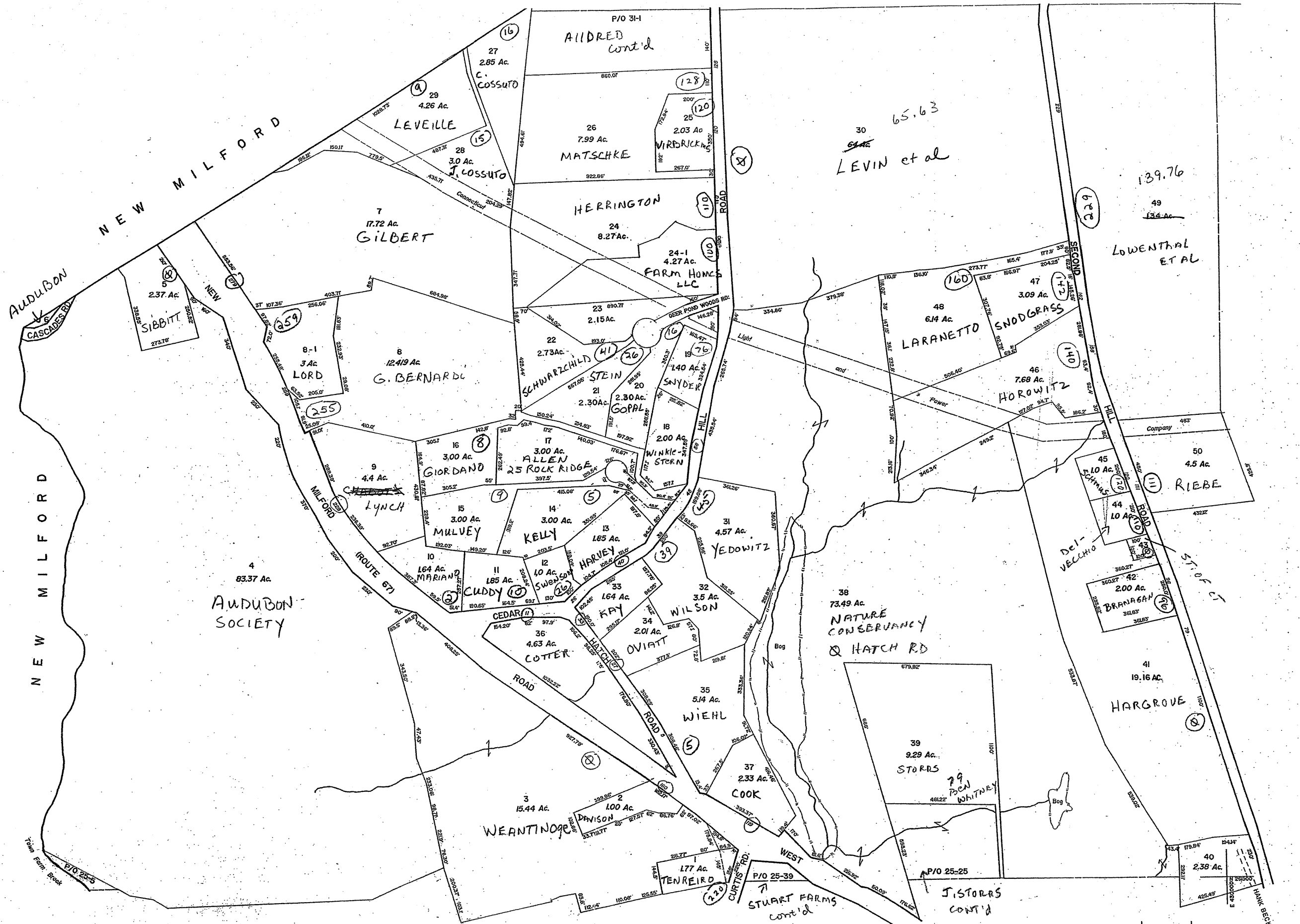
COST/MARKET VALUATION					
Adj. Base Rate:	118.33				
Replace Cost	297,236				
AYB	1964				
Dep Code	A				
Remodel Rating					
Year Remodeled					
Dep %	25				
Functional Obslnc					
External Obslnc					
Cost Trend Factor					
Special Cond Code					
% Complete	75				
Overall % Cond	222,900				
Apprais Val	0				
Dep % Ovr	0				
Dep Ovr Comment					
Misc Imp Ovr	0				
Misc Imp Ovr Comment					
Cost to Cure Ovr	0				
Cost to Cure Ovr Comment					



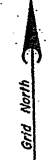
The Gross Livable Area: 2,088 4,263 297,236



N 265500
E 425000



LEGEND
PARCEL NUMBERS 2
MATCH LINE



DATE OF AERIAL PHOTOGRAPHY APRIL 11, 1987
DATE OF COMPLETION OCT 1, 1987
DATE OF REVISIONS JUNE 28, 1991
00 L 241995

For Assessment Purposes
Not to be used for Conveyances

TAX MAP
TOWN OF BRIDGEWATER
LITCHFIELD COUNTY, CONNECTICUT
PREPARED BY
JAMES W. SEWALL COMPANY, OLD TOWN, MAINE
SCALE: 1 INCH = 200 FEET

31	29
28	
25	

HANK BECKER LANE (MAP 29)



INTEGRATED HISTORIC PRESERVATION PLANNING

December 14, 2010

Ms. Coreen Kelsey
Environmental Coordinator
Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, CT 06457-1847

RE: Preliminary Archeological Assessment of a Proposed Telecommunications Tower Located at 111 Second Hill Road, Bridgewater, Connecticut

Ms. Kelsey:

Heritage Consultants, LLC, is pleased to have this opportunity to provide Vanasse Hangen Brustlin, Inc., with the following preliminary archeological assessment of a proposed telecommunications tower located at 111 Second Hill Road in Bridgewater, Connecticut (Figure 1). The current project entailed completion of an existing conditions cultural resources summary based on the examination of GIS data obtained from the Connecticut State Historic Preservation Office, as well as historic maps, aerial photographs, and topographic quadrangles maintained by Heritage Consultants, LLC. This investigation did not consider the effects of the proposed construction upon built resources, and it is based upon project location information provided to Heritage Consultants, LLC by Vanasse Hangen Brustlin, Inc. The objectives of this study were: 1) to gather and present data regarding previously identified cultural resources situated within the vicinity of the Areas of Potential Effect; 2) to investigate the proposed project parcel in terms of its natural and historical characteristics; and 3) to evaluate the need for completing additional cultural resources investigations.

As Figures 2 and 3 depict, a well-developed network of roads was established in the project region by the mid to late nineteenth century. Figures 2 and 3 also show that the proposed tower location is situated to the north of Bridgewater Center in an area that can be characterized as relatively rural. This portion of Bridgewater contained a moderate amount of residences likely associated with agricultural use of the area. In addition, Figure 4, which is an aerial image dating from 1934, shows the agricultural nature of the local landscape. This image also indicates that the proposed tower location positioned along the northern edge of a farm containing plowed fields, a small orchard, and a residence and associated outbuildings. No structures are visible in the immediate vicinity of the proposed tower at this time however. Figure 5, an aerial image taken in 1951, confirms the agricultural nature of the Area of Potential Effect, and it shows that the area surrounding the proposed tower location remained relatively unchanged throughout the first half of the twentieth century, with the exception of the construction of an electrical line that runs from east to west. The right-of-way corridor is situated immediately to the north of the Area of Potential Effect. The aerial image depicted in Figure 6 demonstrates that the area containing the proposed tower location remained cleared as of 1970. This image also shows that a house was constructed to the southwest of the proposed tower location sometime between 1951 and 1970; however, the proposed tower location does not appear disturbed in Figure 6. Figure 7, an aerial image dating from 1995, confirms the interpretation

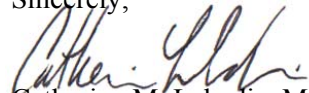
of Figure 6; that is, this image also shows the above-referenced residence. The 1995 aerial image also reveals that a garage was built to the west of the proposed tower location sometime between 1970 and 1995. Finally, the 2008 aerial image shown in Figures 8 shows the current configuration of the parcel of land containing the proposed tower location. This image indicates that the proposed tower location has become reforested.

Finally, a review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office revealed that no archaeological sites and/or National Register of Historic Places properties have been identified within 0.8 km (0.5 mi) of the Area of Potential Effect (Figures 9 and 10). This is likely due to the fact that very few cultural resources surveys have been completed in the Town of Bridgewater, Connecticut.

A review of topographic and historic maps in Figures 1 through 3, as well as the aerial images in Figures 4 through 8, indicate that the proposed tower location is situated within a portion of Bridgewater that has always been rural in character. In addition, Figures 4 through 8 revealed that while a residence and garage have been constructed on the project parcel, no direct evidence for the proposed tower location having been disturbed was noted. As a result, it is the professional opinion of Heritage Consultants, LLC that a Phase I Cultural Resources Reconnaissance Survey with the proposed telecommunications tower location should be undertaken.

If you have any questions regarding this Technical Memorandum, or if we may be of additional assistance with this or any other projects you may have, please do not hesitate to call us at 860-667-3001 or email us info@heritage-consultants.com. We are at your service.

Sincerely,



Catherine M. Labadia, M.A.
President & Principal Investigator

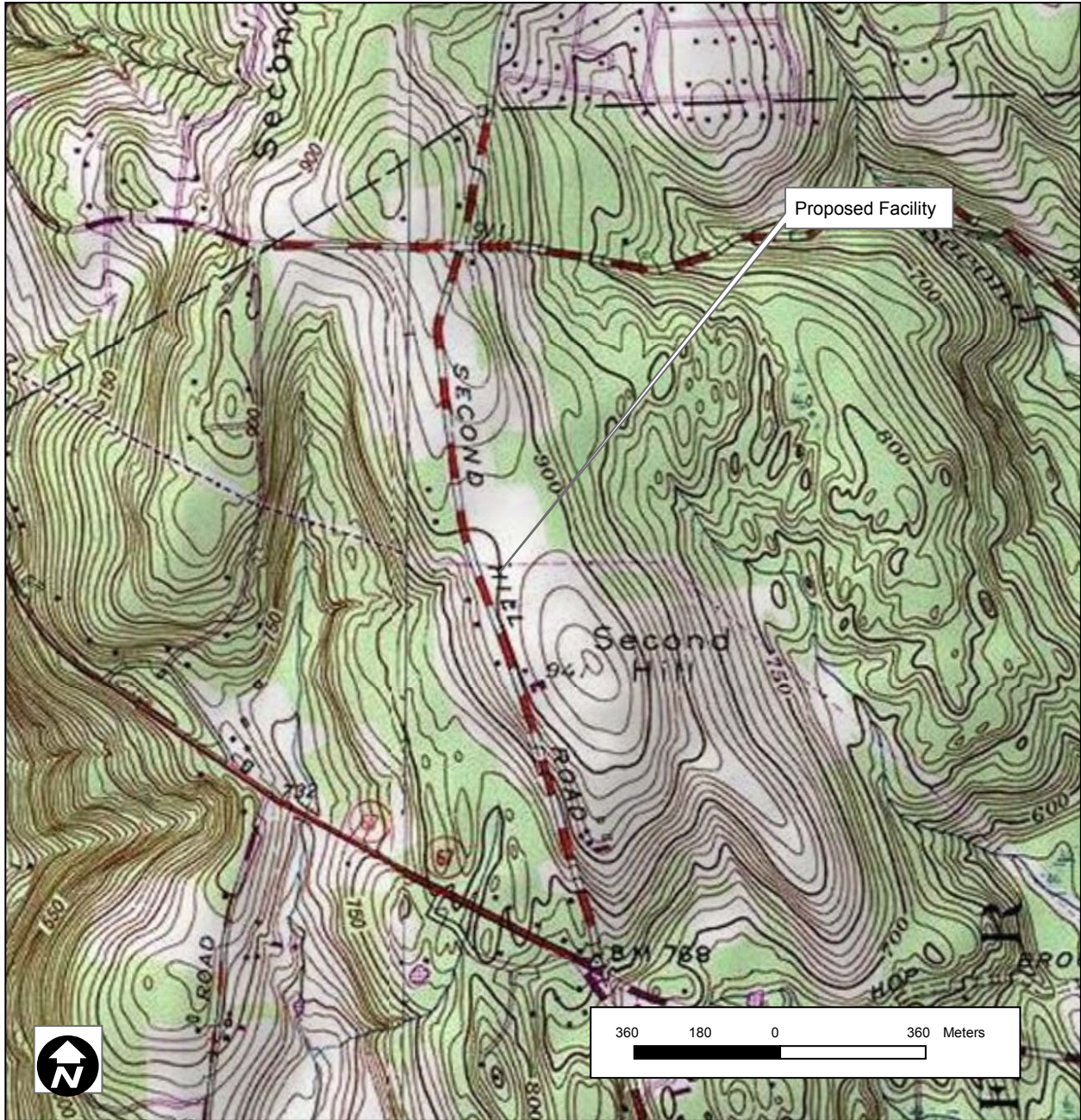


Figure 1. Excerpt from recent USGS topographic quadrangle map, depicting the proposed telecommunications tower location in Bridgewater, Connecticut.

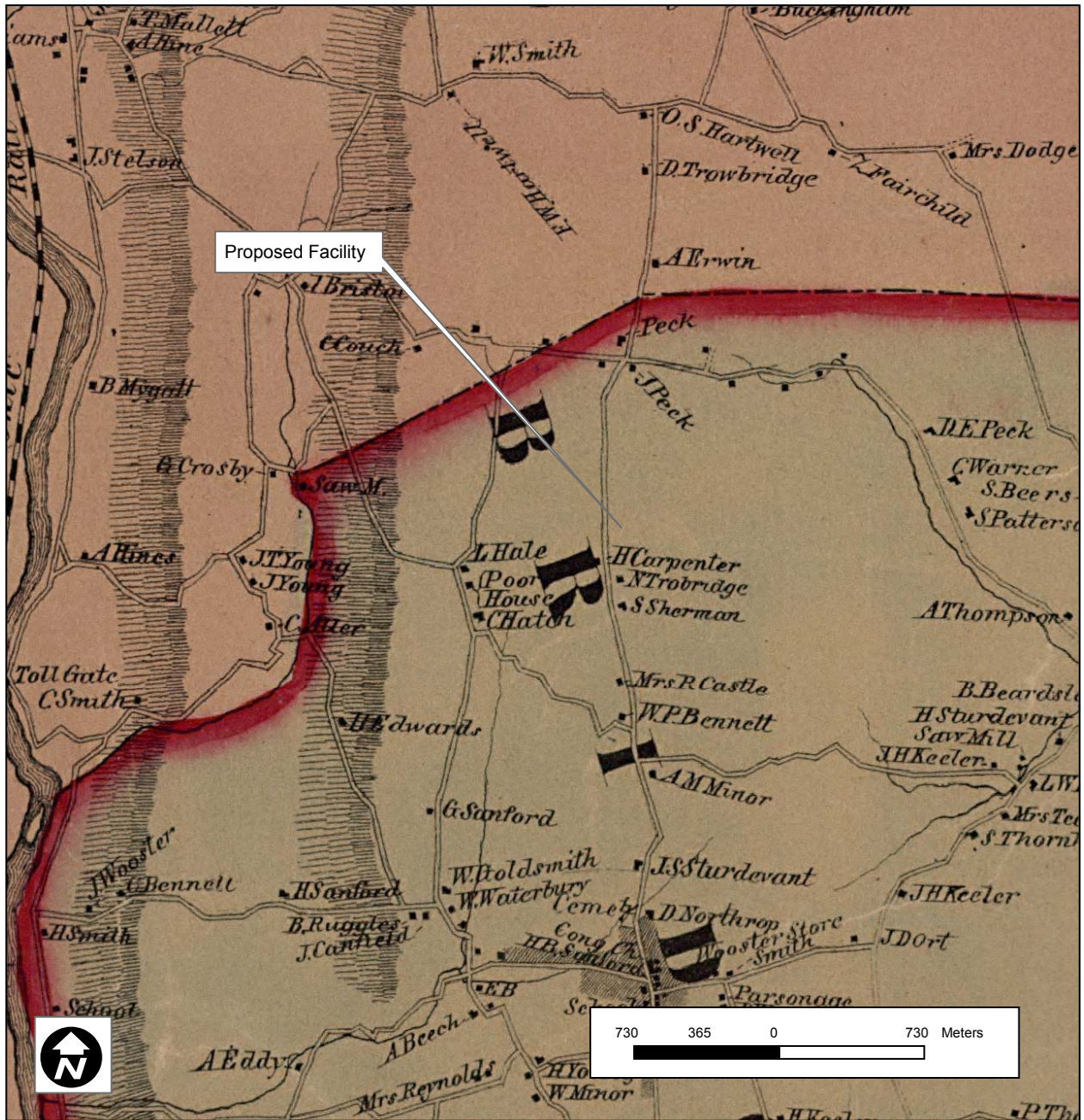


Figure 2. Excerpt from an 1859 historic map depicting the proposed telecommunications tower location in Bridgewater, Connecticut.

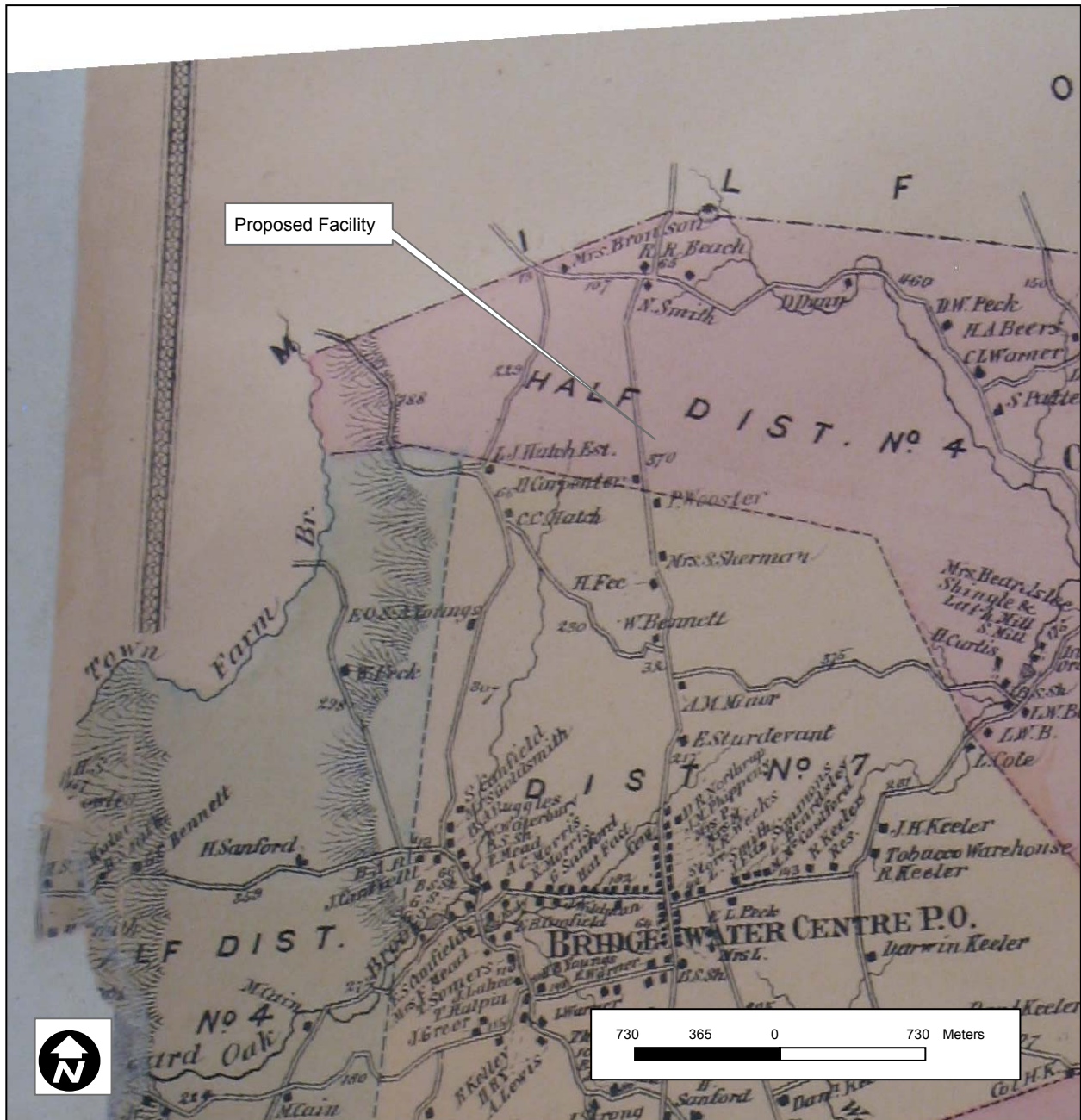


Figure 3. Excerpt from an 1874 historic map depicting the proposed telecommunications tower location in Bridge Water, Connecticut.

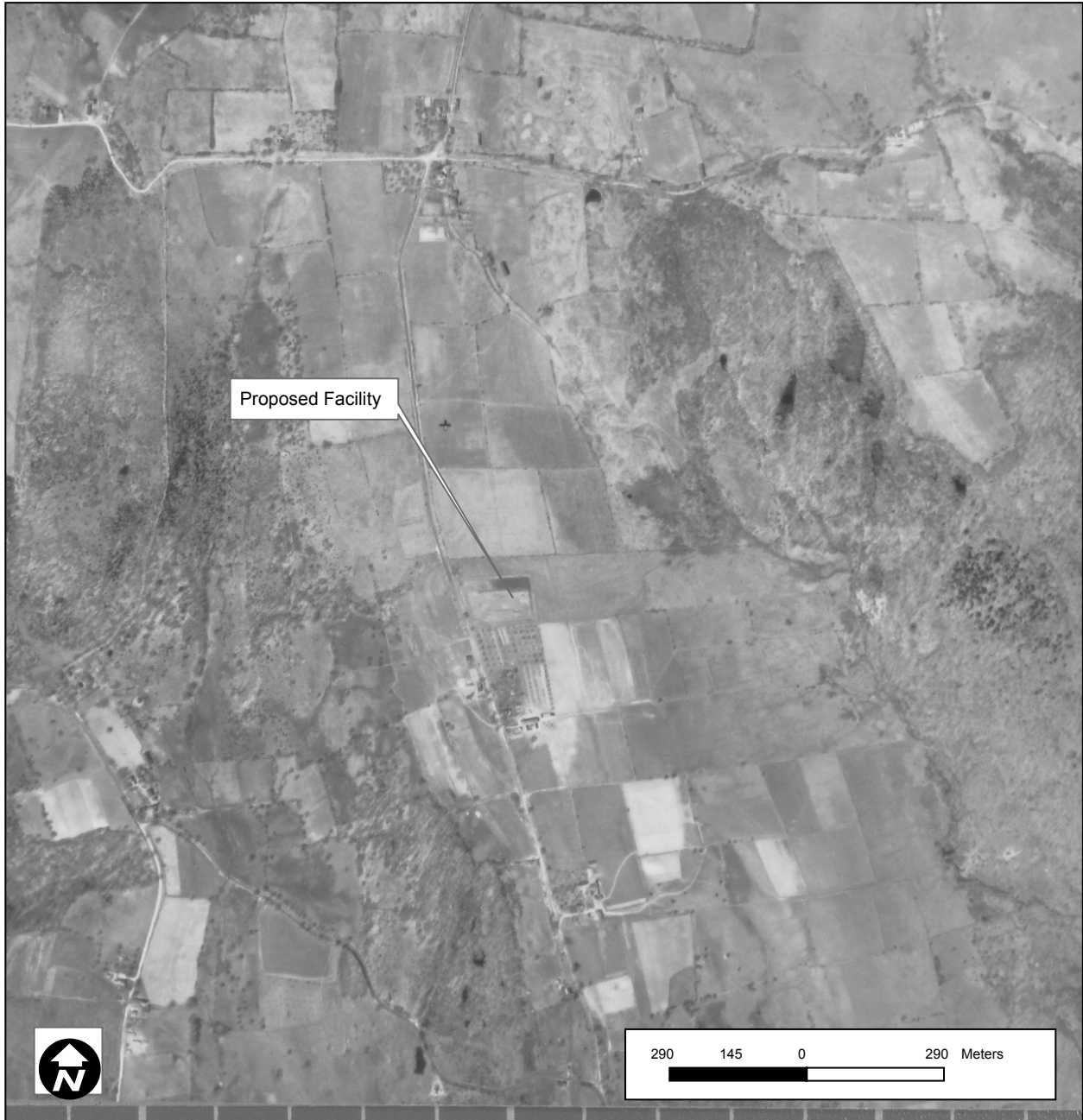


Figure 4. Excerpt from a 1934 aerial image depicting the proposed telecommunications tower location in Bridgewater, Connecticut.

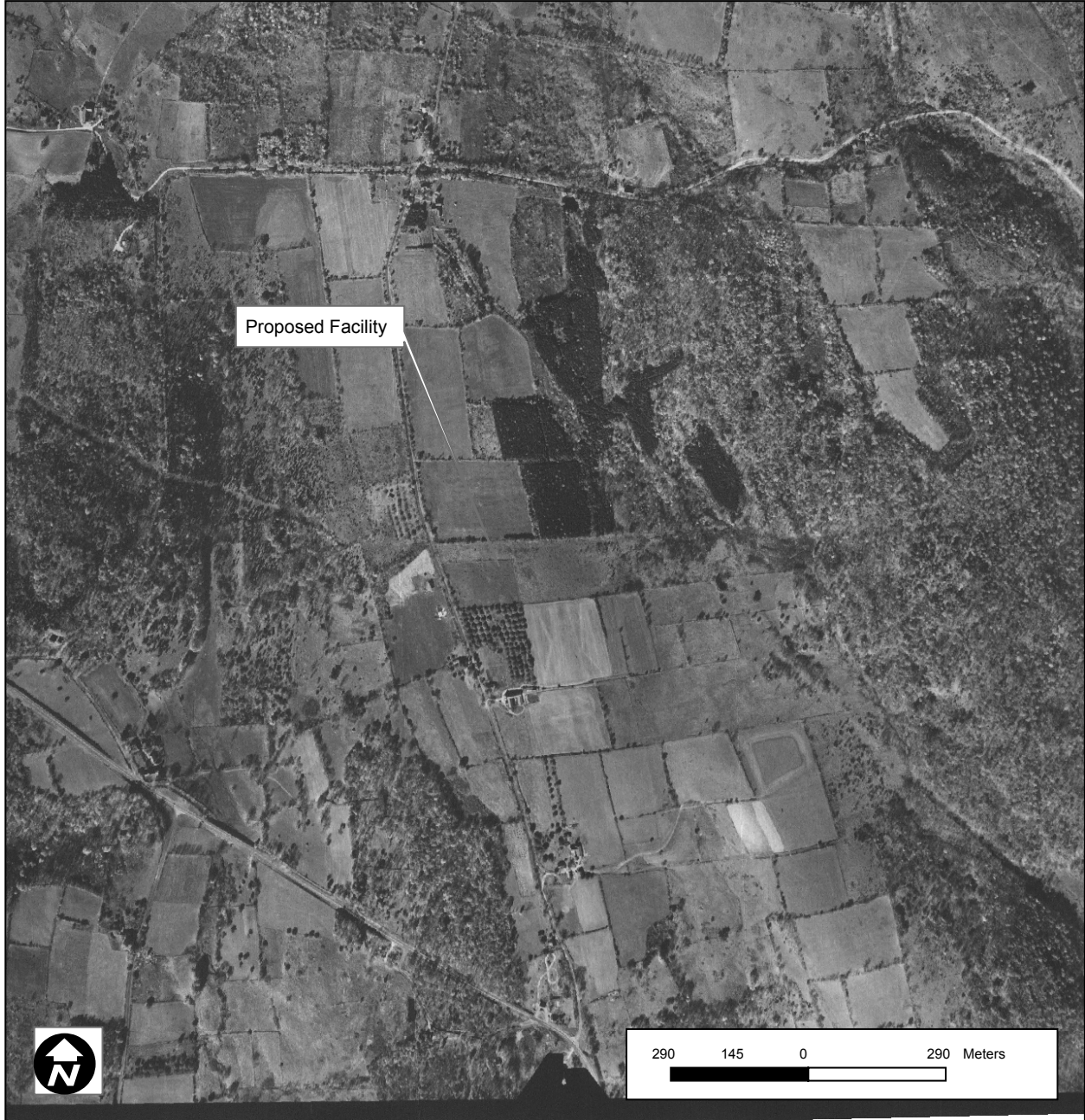


Figure 5. Excerpt from a 1951 aerial image depicting the proposed telecommunications tower location in Bridgewater, Connecticut.

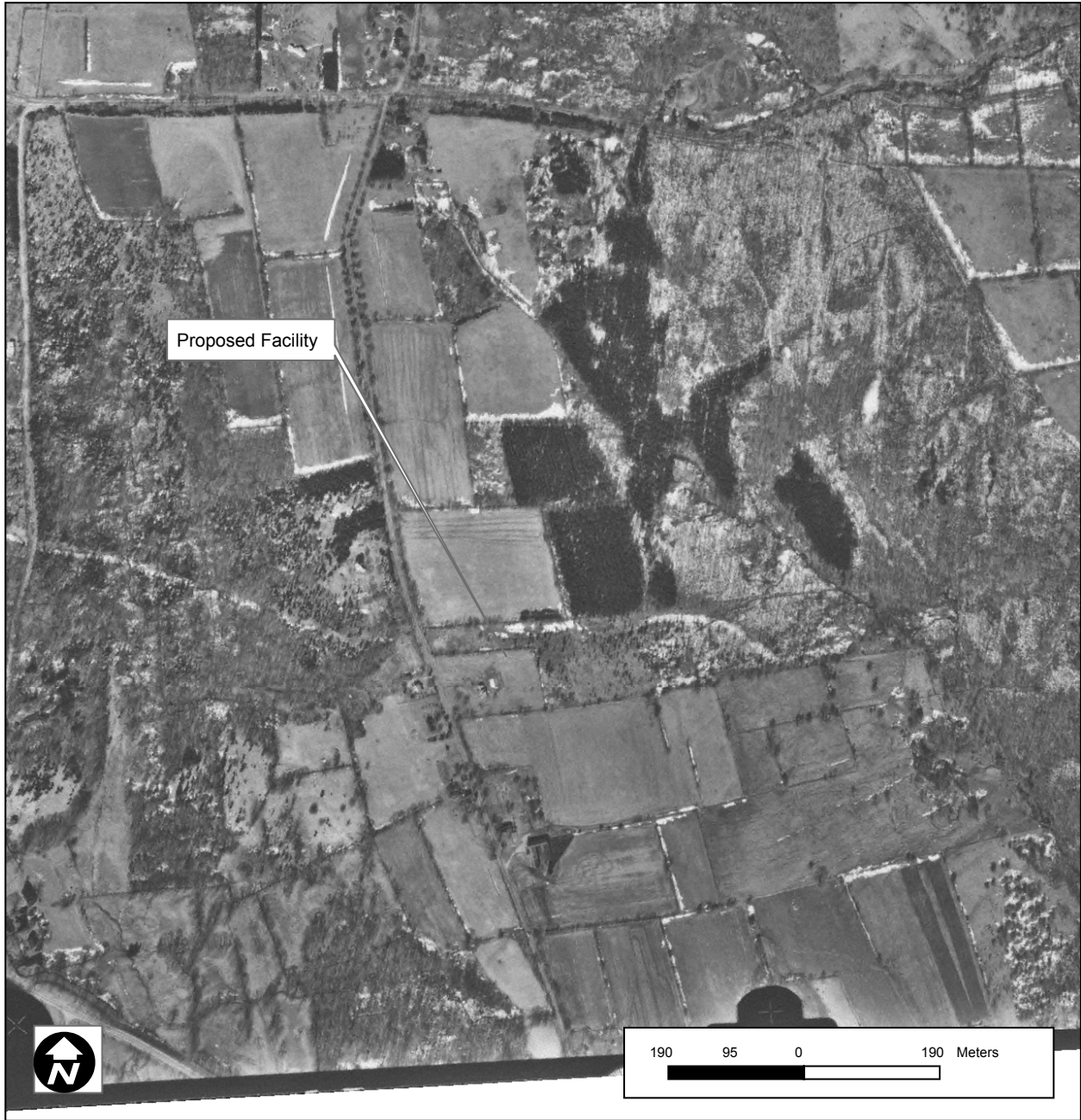


Figure 6. Excerpt from a 1970 aerial image, depicting the proposed telecommunications tower location in Bridgewater, Connecticut.

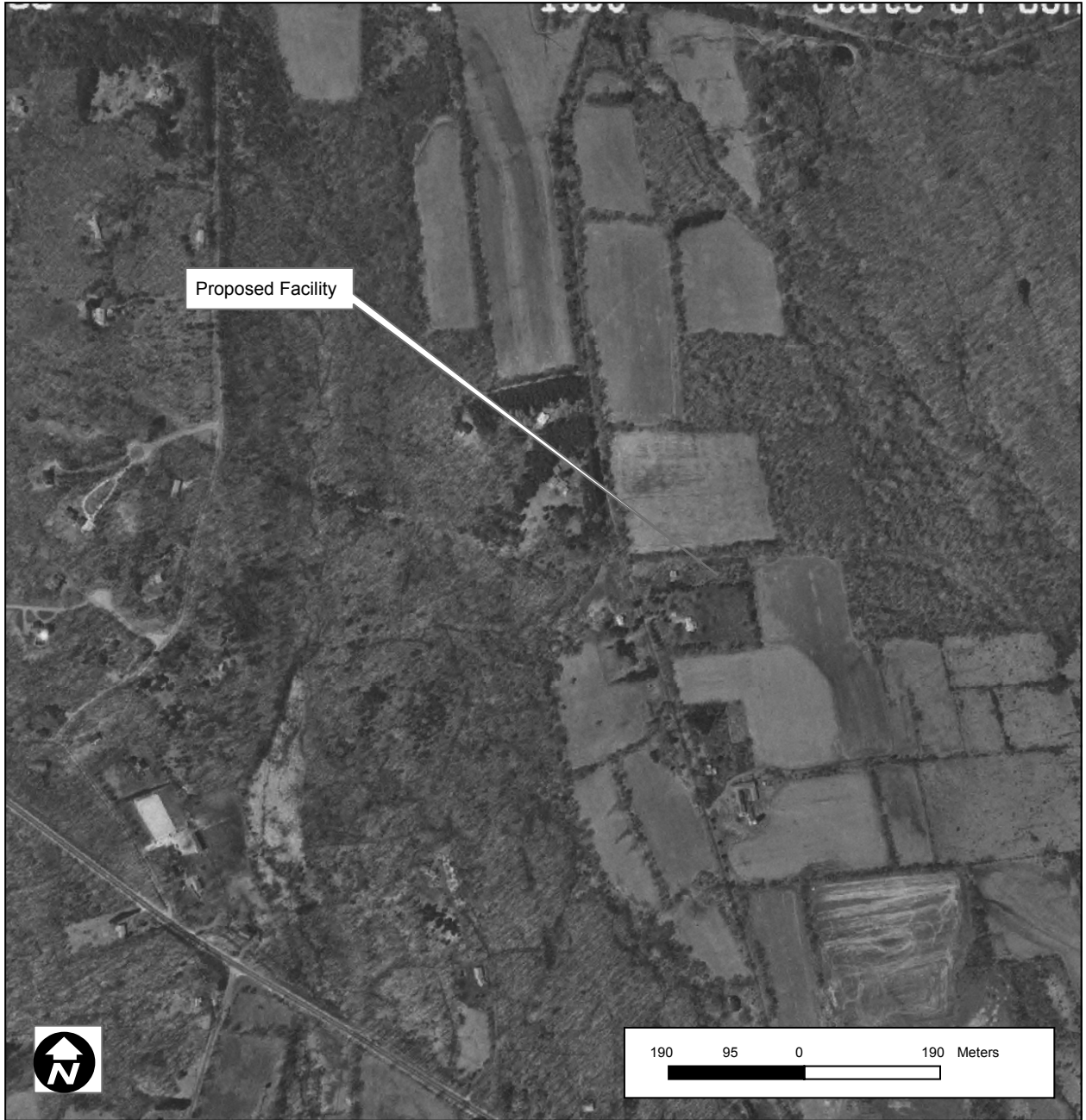


Figure 7. Excerpt from a 1995 aerial image, depicting the proposed telecommunications tower location in Bridgewater, Connecticut.

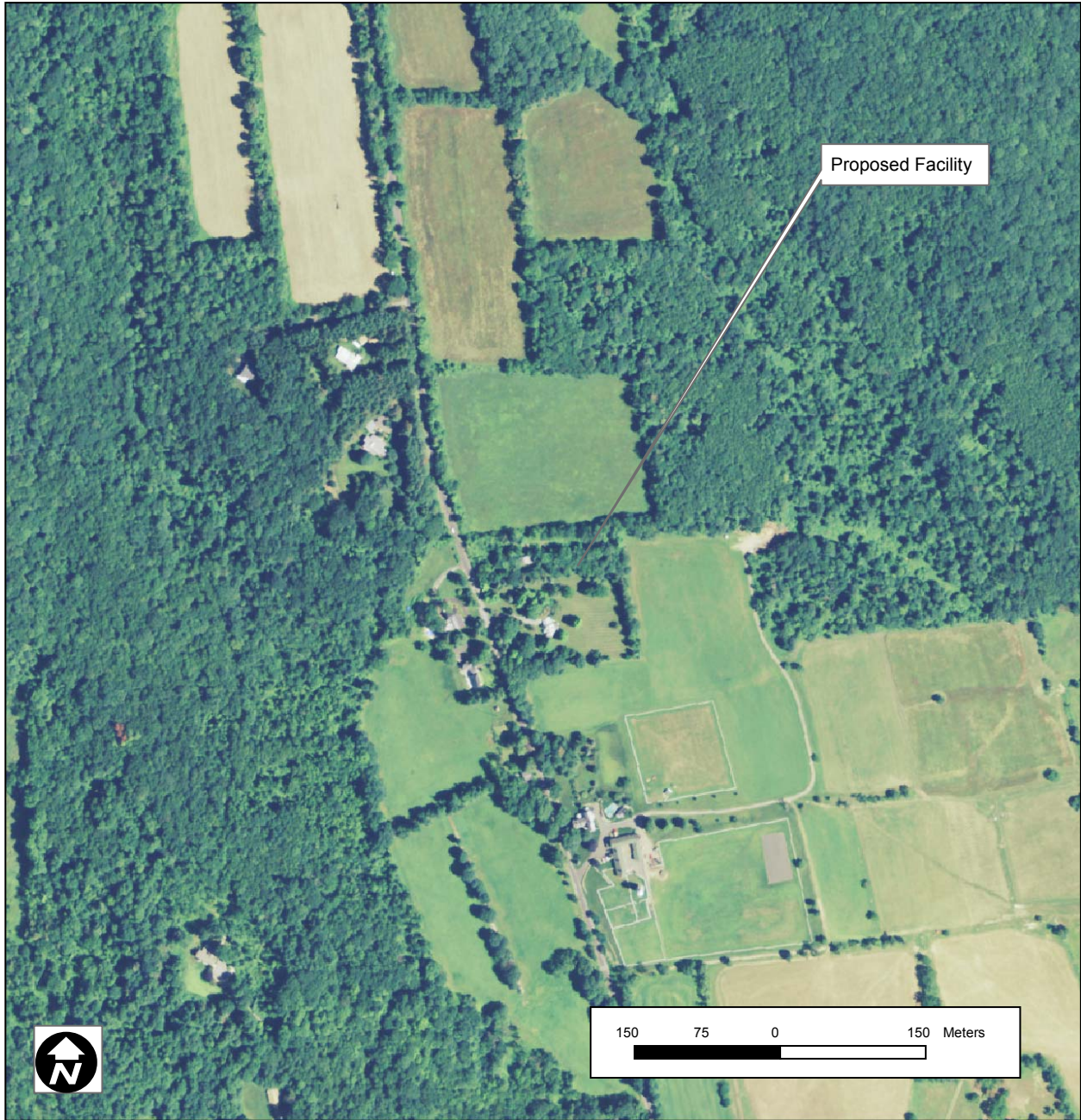


Figure 8. Excerpt from a 2008 aerial image depicting the proposed telecommunications tower location in Bridgewater, Connecticut.

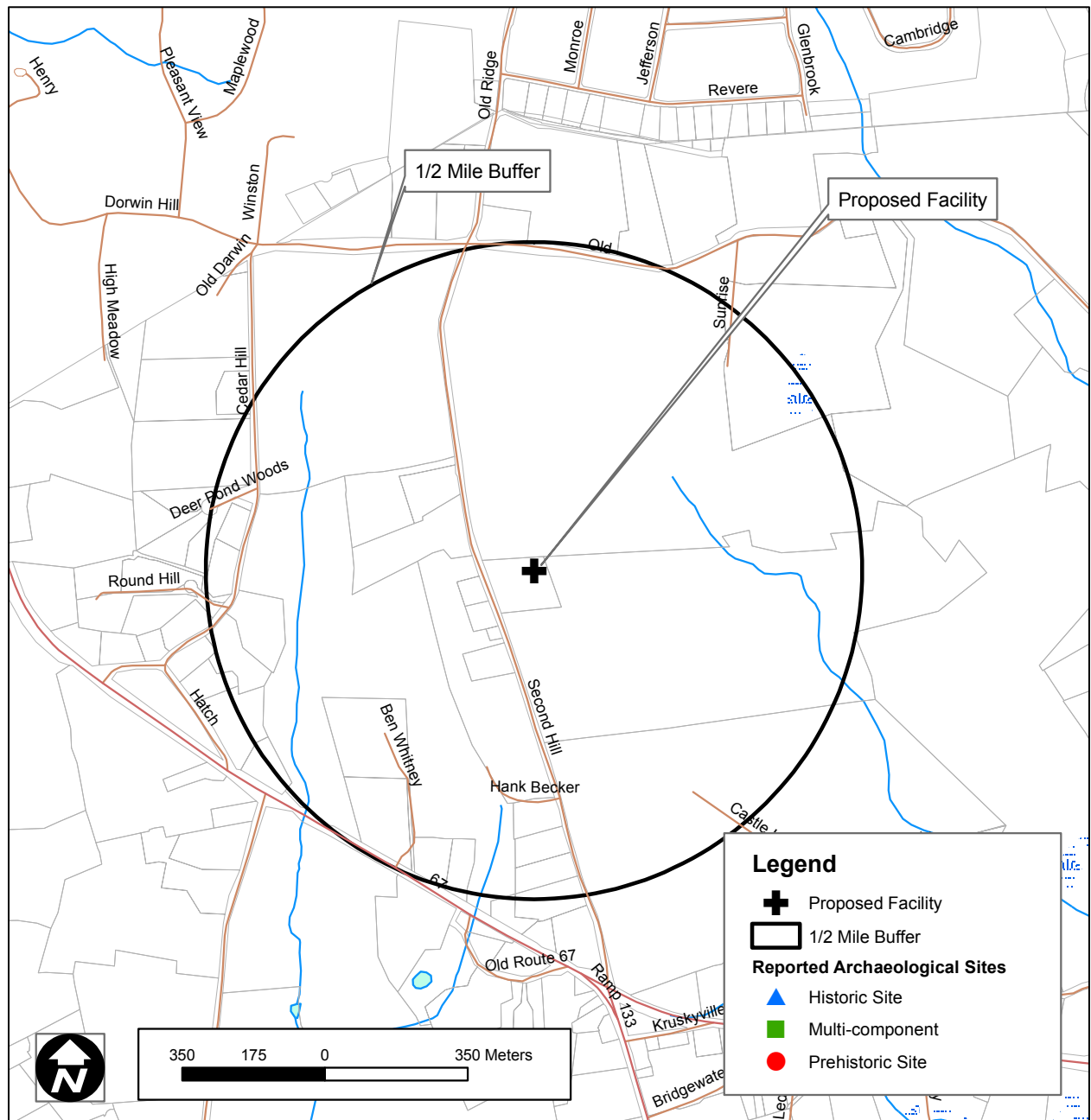


Figure 9. Digital map depicting the locations of previously recorded archaeological sites in the vicinity of the proposed telecommunications tower location in Bridgewater, Connecticut.

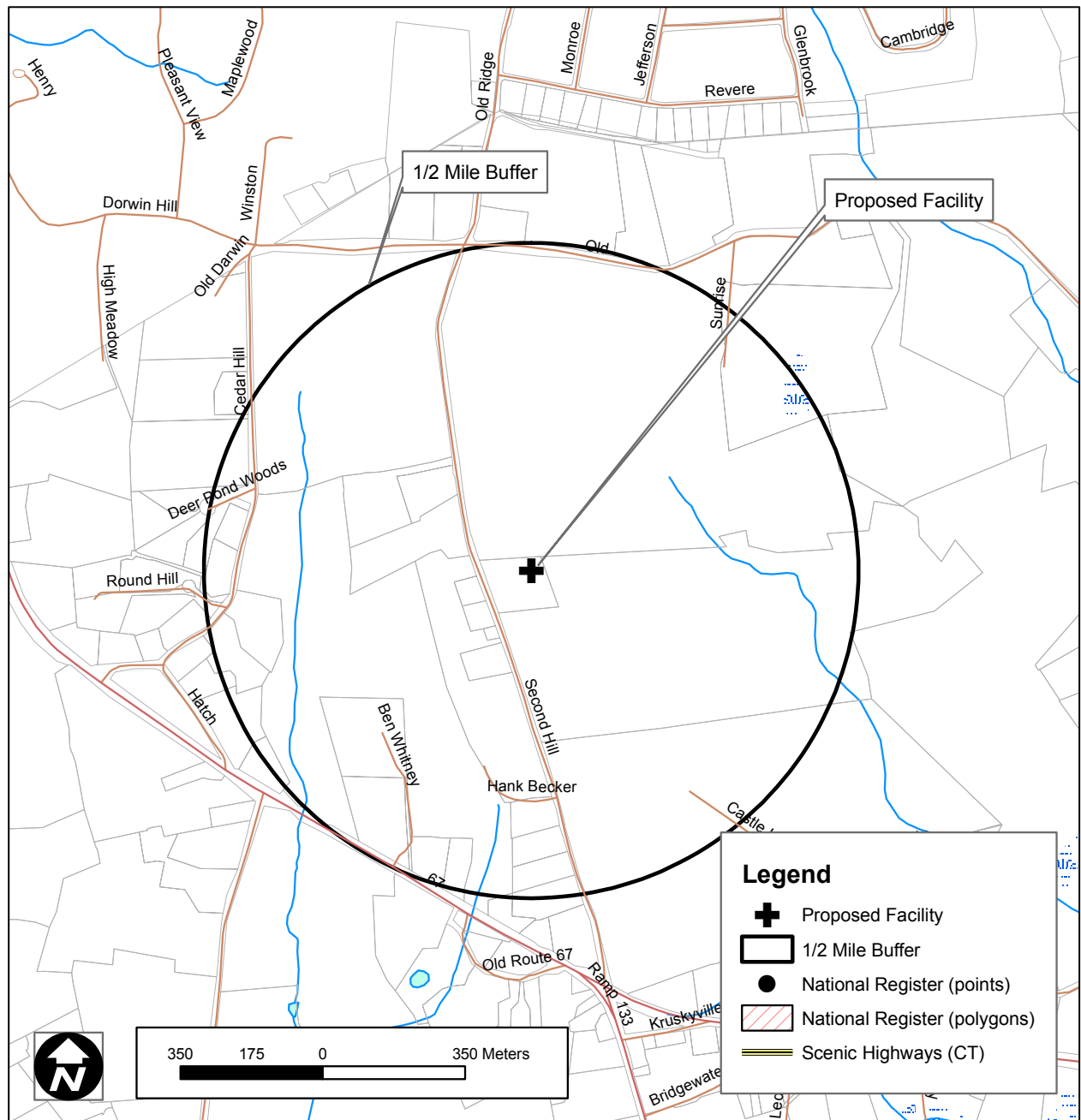


Figure 10. Digital map depicting the locations of previously recorded National Register of Historic Places properties in the vicinity of the proposed telecommunications tower location in Bridgewater, Connecticut.

SECTION 5

*Preliminary Viewshed Analysis
Proposed AT&T Wireless
Telecommunications Facility
Bridgewater - SR1252
111 Second Hill Road
Bridgewater, Connecticut*

NOTE:






























- Viewshed analysis conducted using ESRI's Spatial Analyst.
- Proposed facility height is 160 feet.
- Existing tree canopy height estimated at 50 feet.
- Study Area is comprised of a two-mile radius surrounding the proposed facility and includes 8,042 acres of land.
- Results not field verified by balloon float.

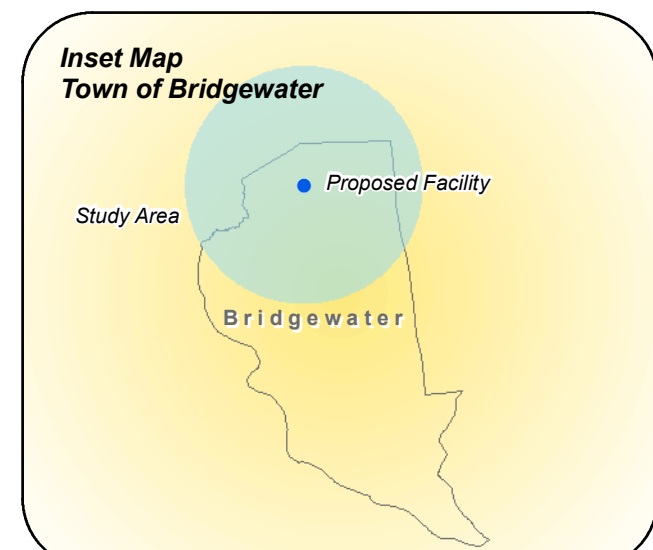
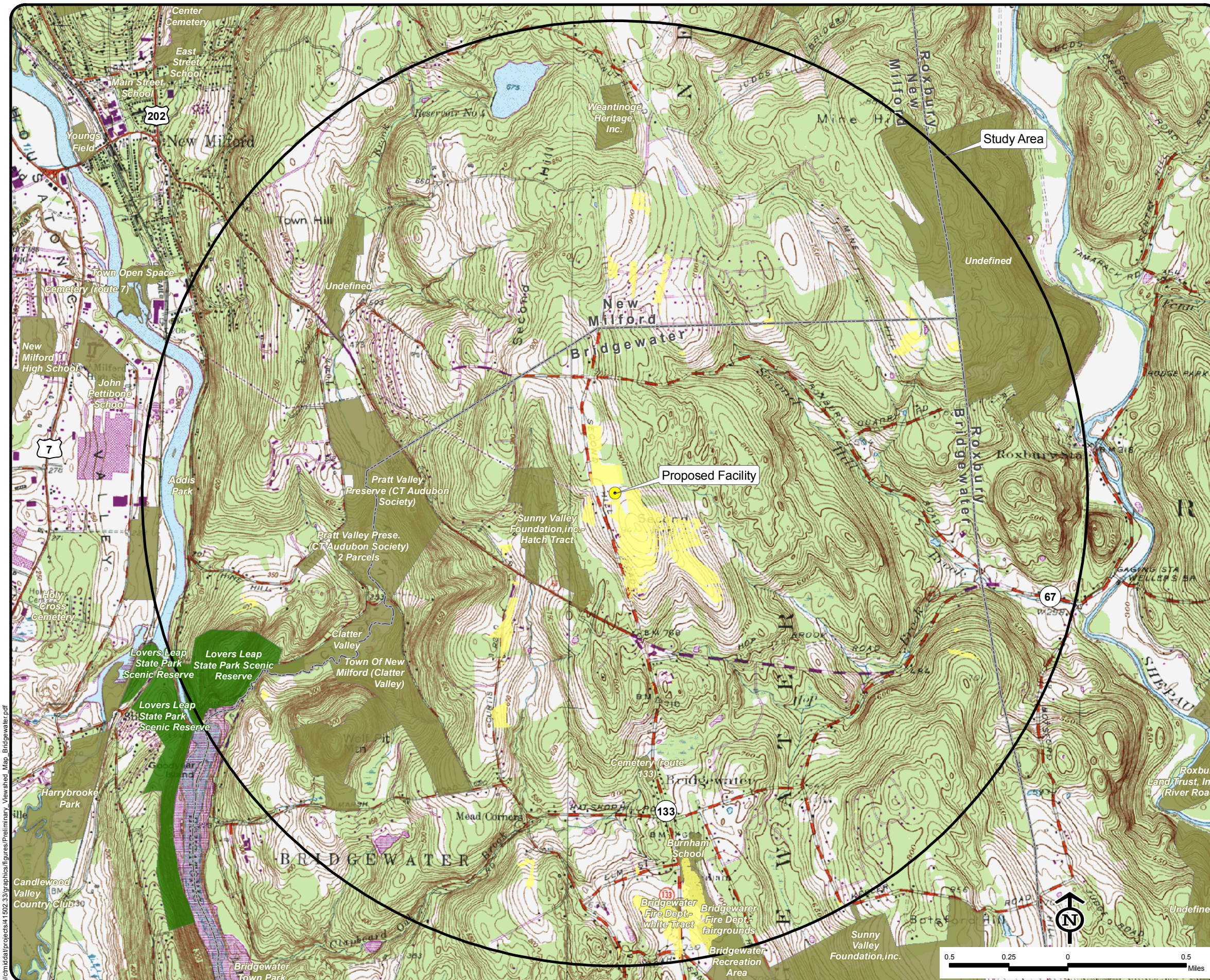
DATA SOURCES:

- Digital elevation model (DEM) derived from Connecticut LiDAR-based Digital Elevation Data (collected in 2000) with a 10-foot spatial resolution produced by the University of Connecticut and the Center for Land Use Education and Research (CLEAR); 2007
- Forest areas derived from 2008 digital orthophotos with 1-meter pixel resolution; digitized by VHB, 2010
- Base map comprised of Roxbury (1984), and New Milford (1984) USGS Quadrangle Maps
- Municipal and Private Open Space data layer provided by CT DEP, 1997
- Federal Open Space data layer provided by CT DEP, 2004
- CT DEP Property data layer provided by CT DEP, April 2010
- CT DEP boat launches data layer provided by CT DEP, Dec 2009
- Scenic Roads layer derived from available State and Local listings

Map Compiled January, 2011

Legend

-  Proposed Tower Location
-  CT DEP Property (CT DEP, May 2010)
-  Approximate Year-Round Visibility (+/- 146 acres)
-  State Forest
-  State Park
-  DEP Owned Waterbody
-  State Park Scenic Reserve
-  Historic Preserve
-  Natural Area Preserve
-  Fish Hatchery
-  Flood Control
-  Other
-  State Park Trail
-  Water Access
-  Wildlife Area
-  Wildlife Sanctuary
-  Protected Municipal and Private Open Space (CT DEP, 1997)
-  Cemetery
-  Preservation
-  Conservation
-  Existing Preserved Open Space
-  Recreation
-  General Recreation
-  School
-  Uncategorized
-  Federal Open Space (CT DEP, 2004)
-  Boat Launches (CT DEP, Dec 2009)
-  Scenic Road (State and Local)
-  Town Line



/c:\mtd\data\projects\41502_33\graphics\figures\Preliminary_Viewshed_Map_Bridgewater.pdf