

**STATE OF CONNECTICUT**  
**CONNECTICUT SITING COUNCIL**

**IN RE:**

APPLICATION BY ARX WIRELESS  
INFRASTRUCTURE, LLC FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE  
AND OPERATION OF A WIRELESS  
TELECOMMUNICATIONS FACILITY AT  
LOT N-4, SEQUIN DRIVE, GLASTONBURY,  
CONNECTICUT

DOCKET NO. 504

August 11, 2021

**RESPONSES OF NEW CINGULAR WIRELESS PCS, LLC (AT&T)**  
**TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES**  
**SET ONE**

**General**

Q1. What is the estimated cost of AT&T's equipment, including installation? Break down the total cost into categories that AT&T deems appropriate.

A1.

<b>Component</b>	<b>Cost</b>
<i>Equipment/Materials</i>	<i>\$82,950</i>
<i>Construction</i>	<i>\$111,300</i>
<i>Integration &amp; Optimization</i>	<i>\$7,875</i>
<b>Total:</b>	<b>\$202,125</b>

Q2. How would the cost of AT&T's installation/colocation at the proposed site be recovered?

A2. *AT&T's costs are recovered as part of business operations for its customers.*

Q3. Provide the number of remote radio heads that would be installed at this site. Would any RRH's be installed at ground level?

A3. *AT&T will install (12) Remote Radio Heads (RRH) units with four (4) RRH units per sector. All (12) RRH units will be mounted on the tower.*

**Site Search**

Q4. What was the approximate size of AT&T's search area in the vicinity of the proposed site? Provide a map depicting the search area.

A4. *AT&T's search ring radius is approximately ¼ mile. Please see the map included in Attachment 1.*

### **Site/Tower**

Q5. What type of antenna mount will be used for the proposed antennas? What is the structural design standard applicable to such antenna mount?

A5. *The structural design standards applicable to the proposed low profile antenna mount are as follows:*

- *EIA/ TIA-222-H, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures*
- *International Building Code 2015 with 2018 Connecticut State Building Code*

Q6. Pursuant to CGS §16-50p(a)(3)(G), identify the safety standards and/or codes by which equipment, machinery or technology that would be used or operated at the proposed facility by AT&T.

A6. *The applicable safety standards include:*

- *2015 International Building Code with the 2018 CT Building Code Amendments*
- *National Electric Code (NFPA70)*
- *2005 CT State Fire Safety Code with the 2009 Amendments*
- *TIA-222-G-4 "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures"*
- *Occupational Safety and Health Administration (OSHA).*

### **Coverage/Capacity**

Q7. Would the proposed site be needed for coverage, capacity, or both? Explain.

A7. *While every new site enhances both coverage and capacity, the need for this site is driven by the significant gap in coverage.*

Q8. Tab E of the application depicts AT&T's existing and proposed coverage using the 700 MHz frequency. Would any other frequencies be installed on the proposed facility? Provide coverage maps for each frequency used showing existing coverage and existing and proposed coverage.

A8. *Please see Attachment 2 for coverage maps for each frequency proposed by AT&T. The coverage maps include existing coverage and existing and proposed coverage.*

Q9. Are all frequencies used to transmit voice and data?

A9. *Yes, all of AT&T's frequencies will be used to transmit voice and data services.*

Q10. Could the required coverage and capacity upgrade needs be met by a series of small cell facilities or a distributed antenna system, or by a combination of small cells and rooftop

installations, rather than the proposed macro tower facility? Please respond to the following:

- a) How many small cells would be required?  
*A full analysis including a survey of the available poles and other infrastructure would be required to get a firm number, but the best estimate of the minimum number of strand-height (approximately 25' AGL) nodes to provide some of the required -83 dBm coverage would be 24. This number would likely increase once the available infrastructure was studied in more detail.*
- b) Would the small cell multi-site solution be able to offer the same services as the proposed tower?  
*No. While the services offered by the network would not change, given the limited coverage footprint of each small cell node, the coverage footprint could not be replicated with a small multi-site solution. Thus, small cells cannot technologically provide reliable wireless service to cover this area of need. See Docket No. 488, CSC Findings of Fact numbers 82-83.*
- c) What would be the impact to AT&T's FirstNet services for emergency responders?  
*During a power outage, there would be no coverage. Also, as noted in response 10.b above, since small cells cannot provide the coverage footprint to remedy the gap in reliable services in this area, FirstNet services will not be available where coverage gaps remain.*
- d) Would the cost be more or less than with the proposed site? Approximately how much would a small cell multi-site solution cost?  
*Given that a small cell multi-site configuration is not a feasible alternative to the proposed macro facility (see Responses 10.a and 10.b above) and cannot be designed to provide adequate coverage to this area, the cost of small cell configuration cannot be estimated. In general, one small cell node that is attached to an existing utility pole ranges in cost between \$15,000-\$20,000, and a small cell node involving a new pole placement costs approximately \$50,000.*
- e) Would the small cell Radio Frequency emissions be greater due to the lower height of the installations? Please explain.  
*It's a case-by-case situation, but the lower height of the antenna can increase the % of the maximum permissible exposure (MPE).*

Q11. What is the signal strength for which AT&T designs its system? For in-vehicle coverage? For in-building coverage?

A11. *AT&T designs its network for signal strengths of -83/-93 dBm at 700 and 850 and -86/-96 at PCS, AWS and WCS.*

Q12. What is the existing signal strength within the area AT&T is seeking to cover from this site?

A12. *Below the thresholds listed in Response 11 above.*

- Q13. Provide existing coverage gaps in miles for the proposed frequencies for the nearby portion of the Route 2, Hebron Avenue and the surrounding local roads, the overall existing coverage footprints in square miles and the proposed coverage mileage and square miles as represented in the example below:

Street Name	700 MHz Coverage	850 MHz Coverage	1900 MHz Coverage	2100 MHz Coverage
Route 2	3.5 miles	3.5 miles	2.0 miles	2.0 miles
Route 32	2.0 miles	2.0 miles	0.5 mile	0.5 mile

A13. *Please see the tables included in Attachment 3.*

- Q14. Would flush-mounted antennas provide the required coverage? Would the flush-mount configuration result in reduced coverage and/or necessitate greater antenna height with multiple levels of antennas? Explain.

A14. *Due to the space constraints of flush-mounting antennas, AT&T would need to occupy three separate 10-foot sections of the tower for its facility to provide the required coverage.*

- Q15. With reference to Application Attachment F, No. 7, 311 Oakwood Drive, Glastonbury, CT, please provide more information on the radio frequency constraints/challenges that led to its rejection.

A15. *Much of the coverage provided by a tower at 311 Oakwood Drive would be redundant of current AT&T coverage, mainly from existing sites CT1083 and CT1809.*

Name	Latitude	Longitude	Street Address	City	Antenna Centerline	Ground Elevation	Structure Type
CT1083	41.7062	-72.6069	Glastonbury Police Department	Glastonbury	166	39	Self Support
CT1809	41.6994	-72.5640	58A Montano Road	Glastonbury	100	246	Monopole

*Also, part of the coverage gap that AT&T is able to address with the facility proposed in this Docket lies to the northeast in the vicinity of Hebron Avenue. There is a hill with peak elevation approximately 170 feet above 311 Oakwood Drive that blocks coverage in that direction (see below). Compared to the proposed facility, a similar tower at 311 Oakwood would provide approximately 0.5 miles less coverage to Hebron Avenue and 0.25 square miles less area coverage in the vicinity of Hebron Avenue.*



### **Public Safety**

Q16. Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?

A16. *Yes and no additional equipment is required for this service.*

Q17. Would AT&T's antennas comply with federal E911 requirements?

A17. *Yes.*

Q18. Would AT&T's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?

A18. *Yes.*

CERTIFICATE OF SERVICE

I hereby certify that on this day, one original and fifteen (15) hard copies and one electronic version of the foregoing was sent to the Connecticut Siting Council and one electronic copy was sent to:

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Dated: August 11, 2021



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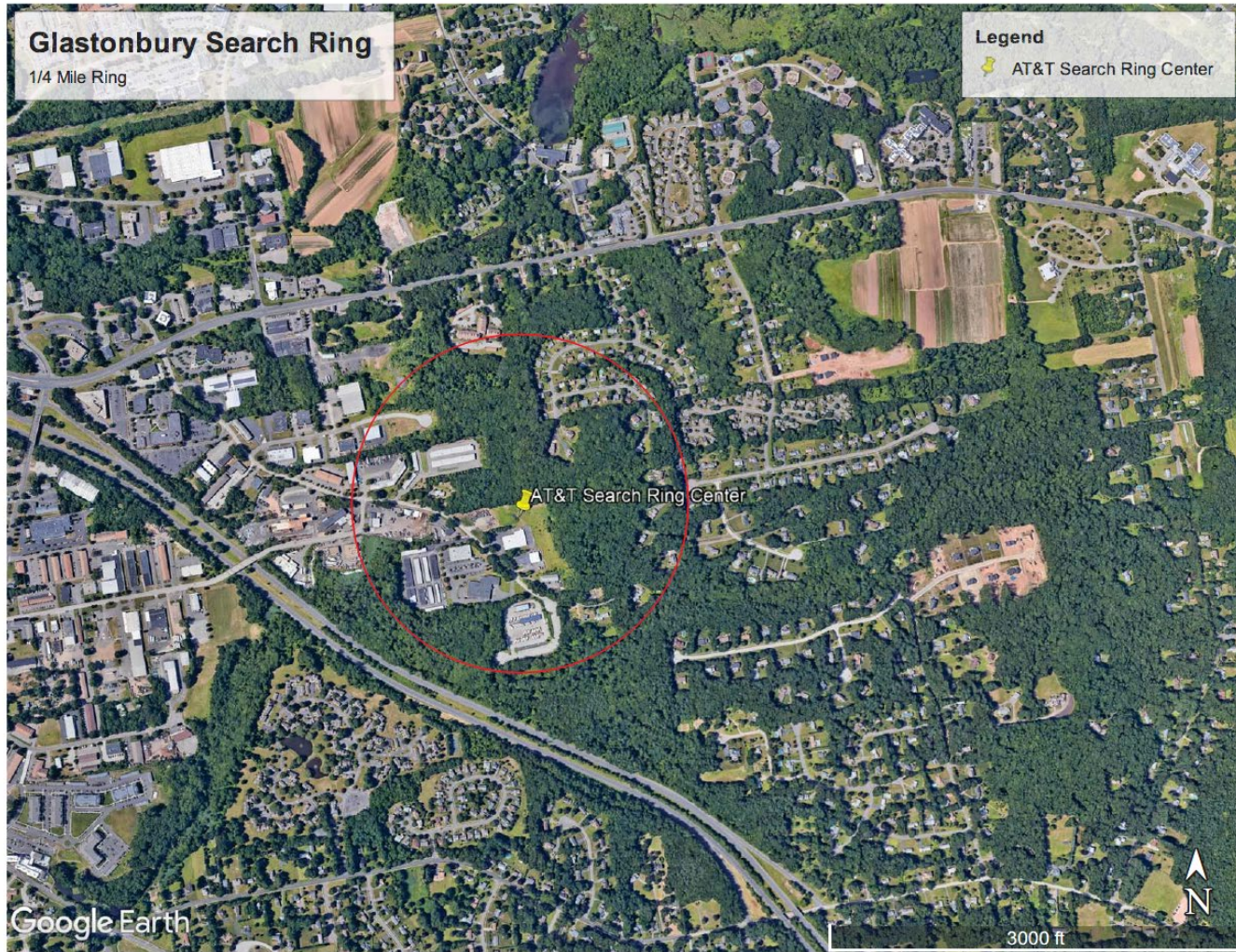
Lucia Chiochio, Esq.

cc: Brian Leyden, AT&T  
Lynn Brady, AT&T  
Centerline Communications, LLC  
C Squared Systems, LLC  
Kristen Motel, Esq.  
Riddar Nget, Cuddy & Feder LLP

# **ATTACHMENT 1**

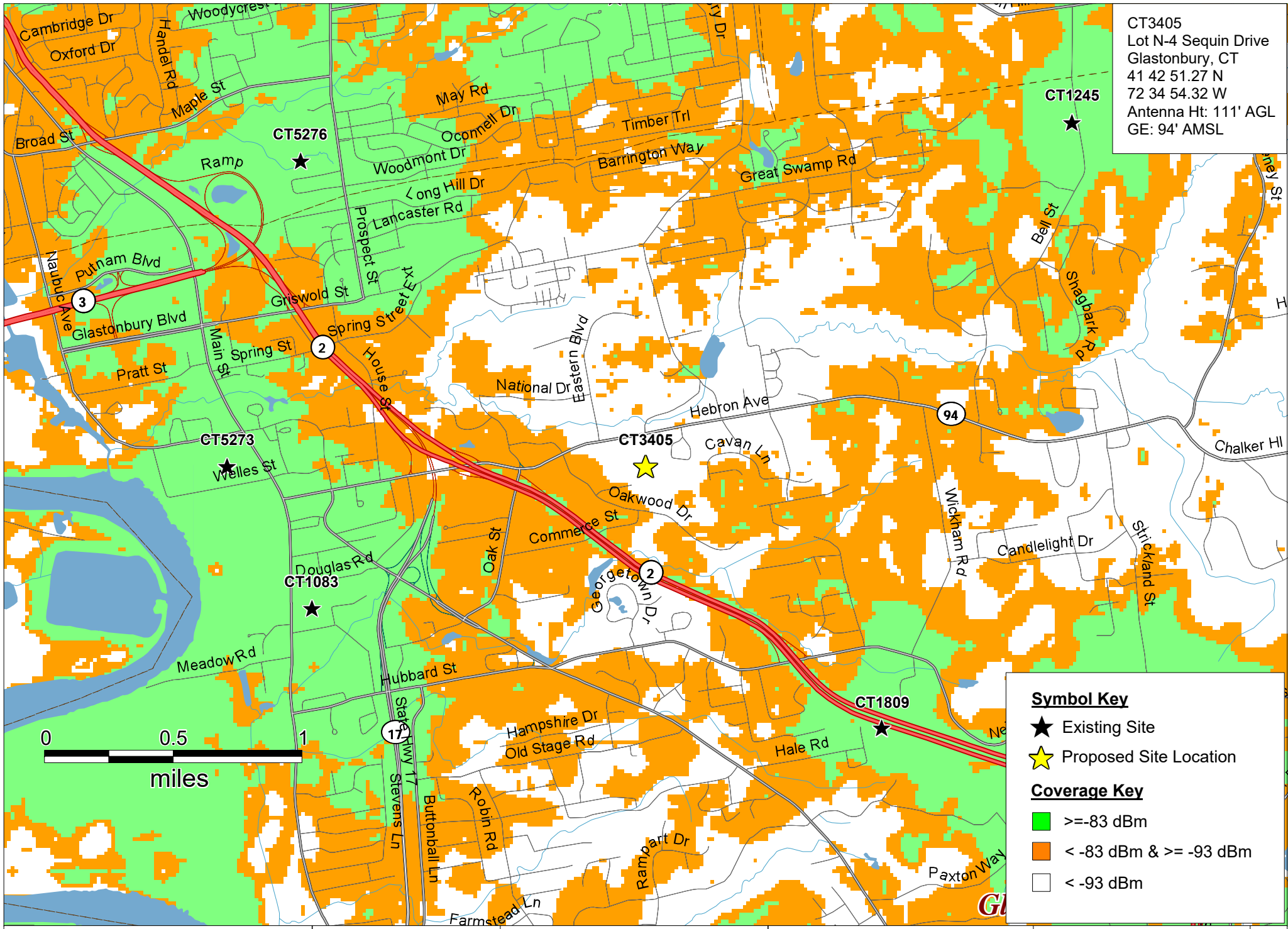


AT&T's Search Ring  
CT3405 Glastonbury





# **ATTACHMENT 2**



CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
 72 34 54.32 W  
 Antenna Ht: 111' AGL  
 GE: 94' AMSL

**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- >= -83 dBm
- < -83 dBm & >= -93 dBm
- < -93 dBm

Existing Coverage  
 850 MHz LTE

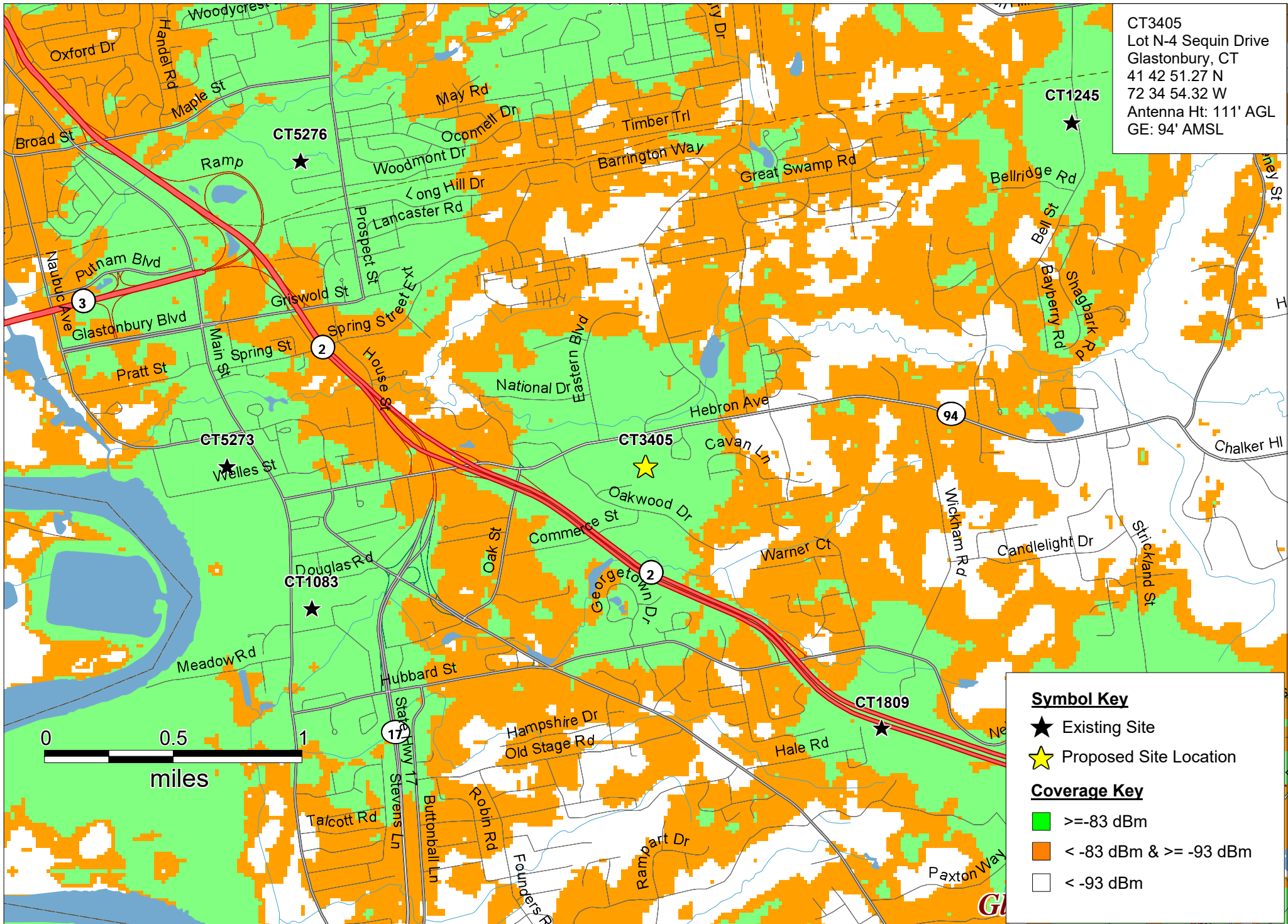
CT3405

Lot N-4 Sequin Drive  
 Glastonbury, CT



PREPARED ON  
 DATE: 08/05/2021

REV 0



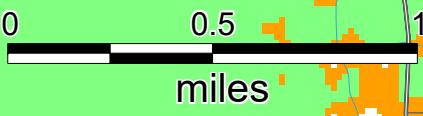
CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
 72 34 54.32 W  
 Antenna Ht: 111' AGL  
 GE: 94' AMSL

**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- >=-83 dBm
- <-83 dBm & >=-93 dBm
- <-93 dBm



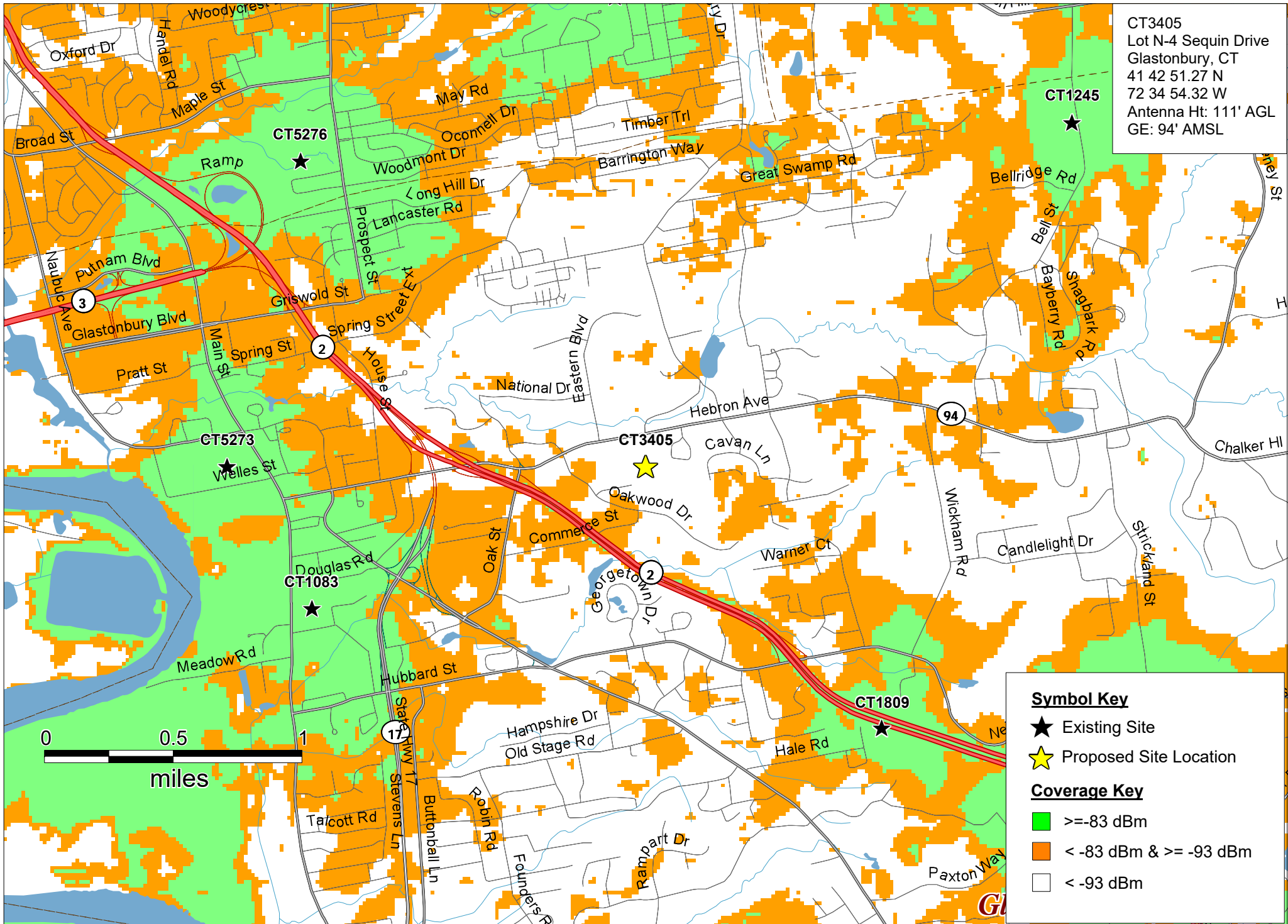
Existing and Proposed  
 850 MHz LTE Coverage

CT3405

Lot N-4 Sequin Drive  
 Glastonbury, CT



PREPARED ON	
DATE: 08/05/2021	REV 0



CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
 72 34 54.32 W  
 Antenna Ht: 111' AGL  
 GE: 94' AMSL

**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- >= -83 dBm
- < -83 dBm & >= -93 dBm
- < -93 dBm

Existing Coverage  
 PCS LTE

CT3405

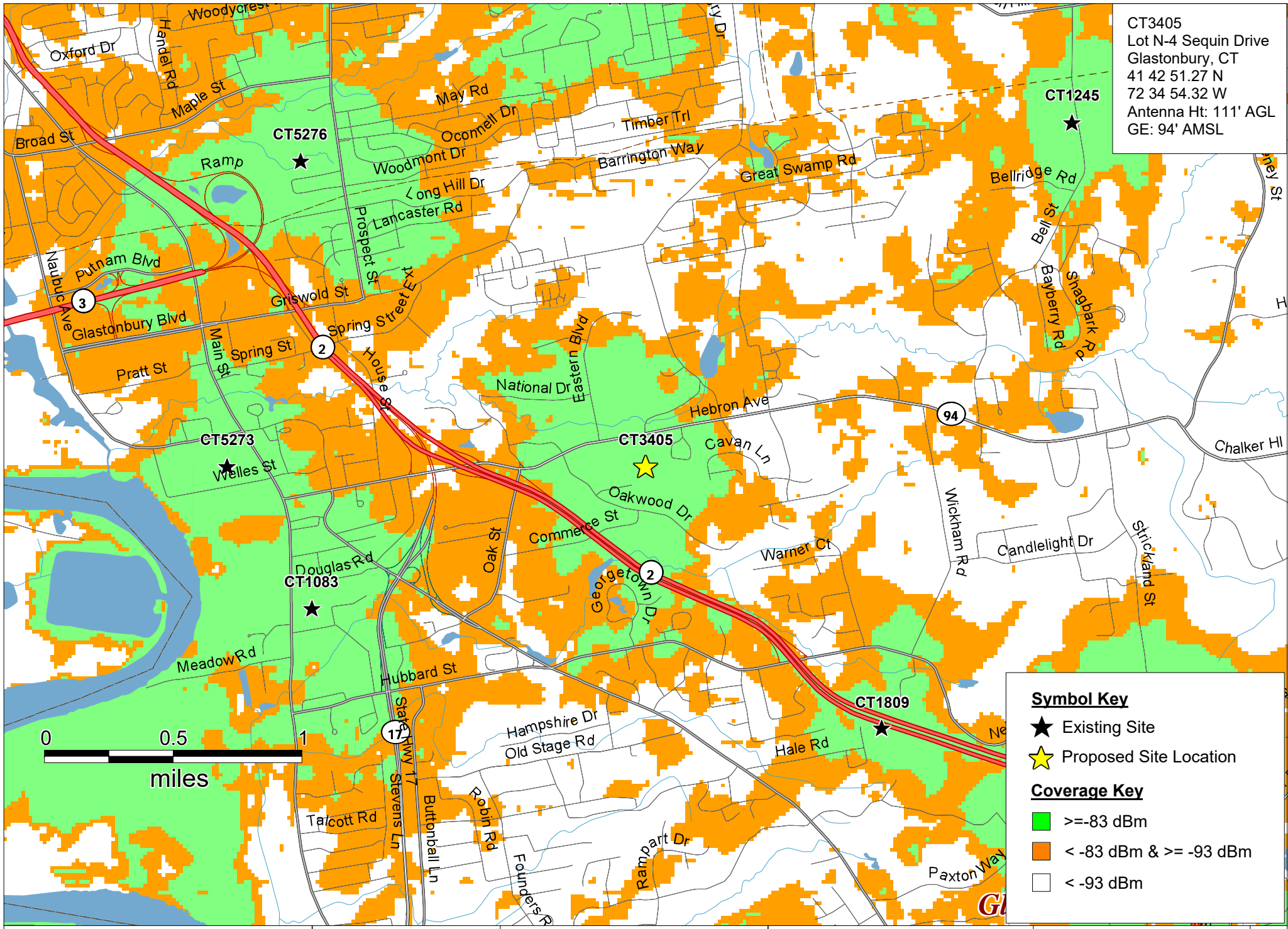
Lot N-4 Sequin Drive  
 Glastonbury, CT



PREPARED ON  
 DATE: 08/05/2021

REV  
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CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
 72 34 54.32 W  
 Antenna Ht: 111' AGL  
 GE: 94' AMSL

**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- >= -83 dBm
- < -83 dBm & >= -93 dBm
- < -93 dBm

Existing & Proposed  
 PCS LTE Coverage

CT3405

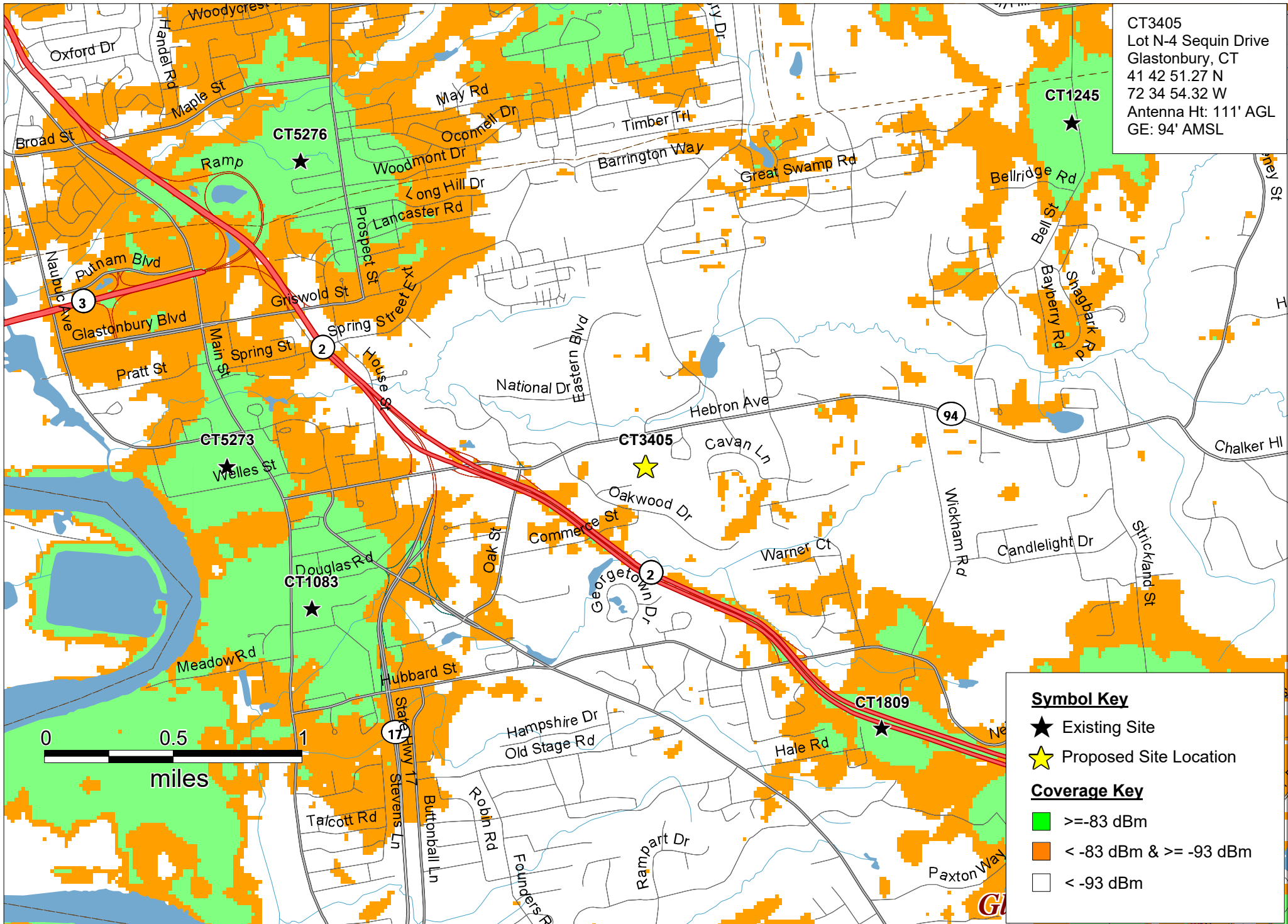
Lot N-4 Sequin Drive  
 Glastonbury, CT



PREPARED ON  
 DATE: 08/05/2021

REV  
 0





CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
 72 34 54.32 W  
 Antenna Ht: 111' AGL  
 GE: 94' AMSL



**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- $\geq -83$  dBm
- $< -83$  dBm &  $\geq -93$  dBm
- $< -93$  dBm

Existing Coverage  
 AWS LTE

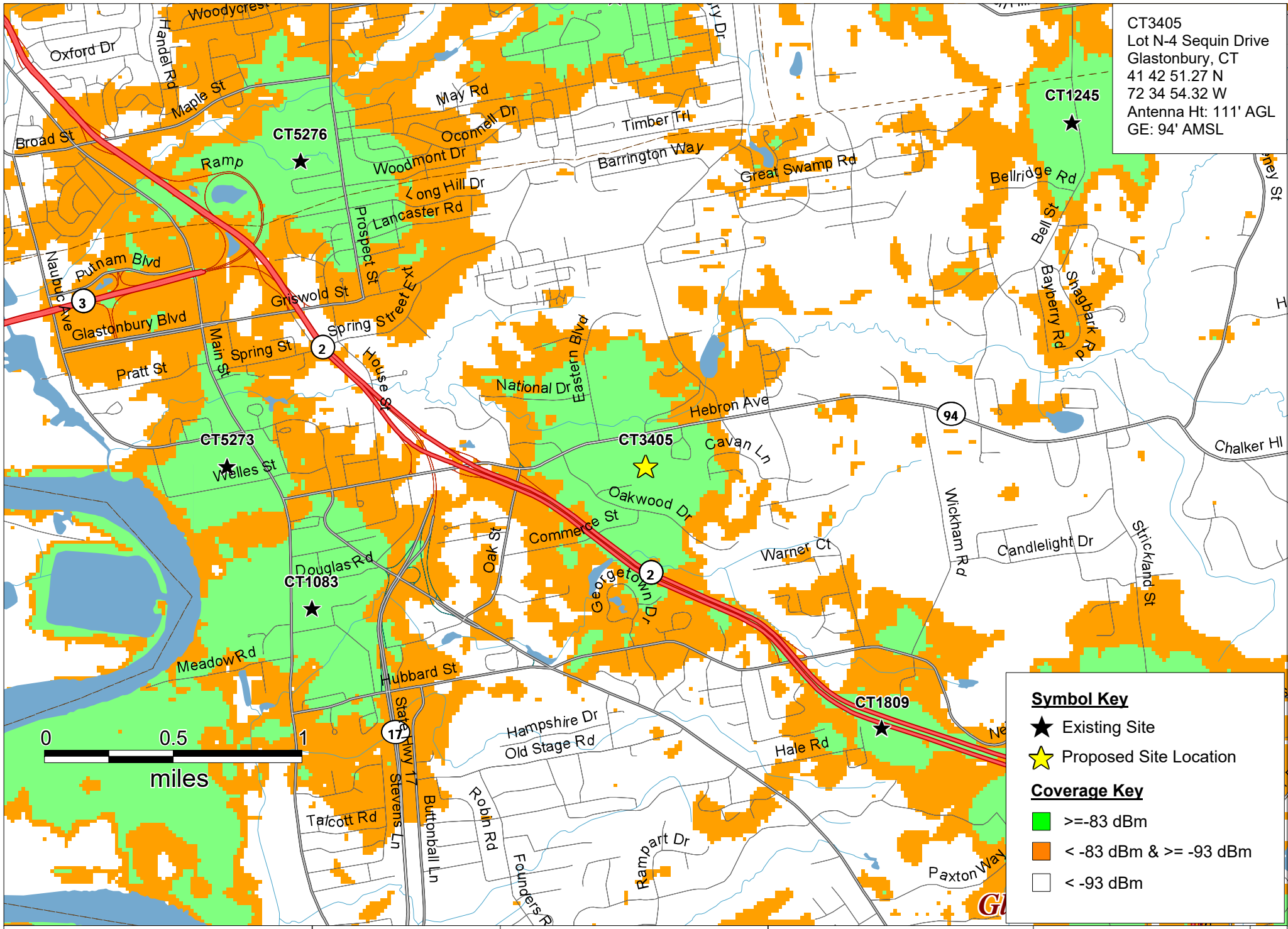
CT3405

Lot N-4 Sequin Drive  
 Glastonbury, CT



PREPARED ON  
 DATE: 08/05/2021

REV 0



CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
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**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- >=-83 dBm
- <-83 dBm & >=-93 dBm
- <-93 dBm



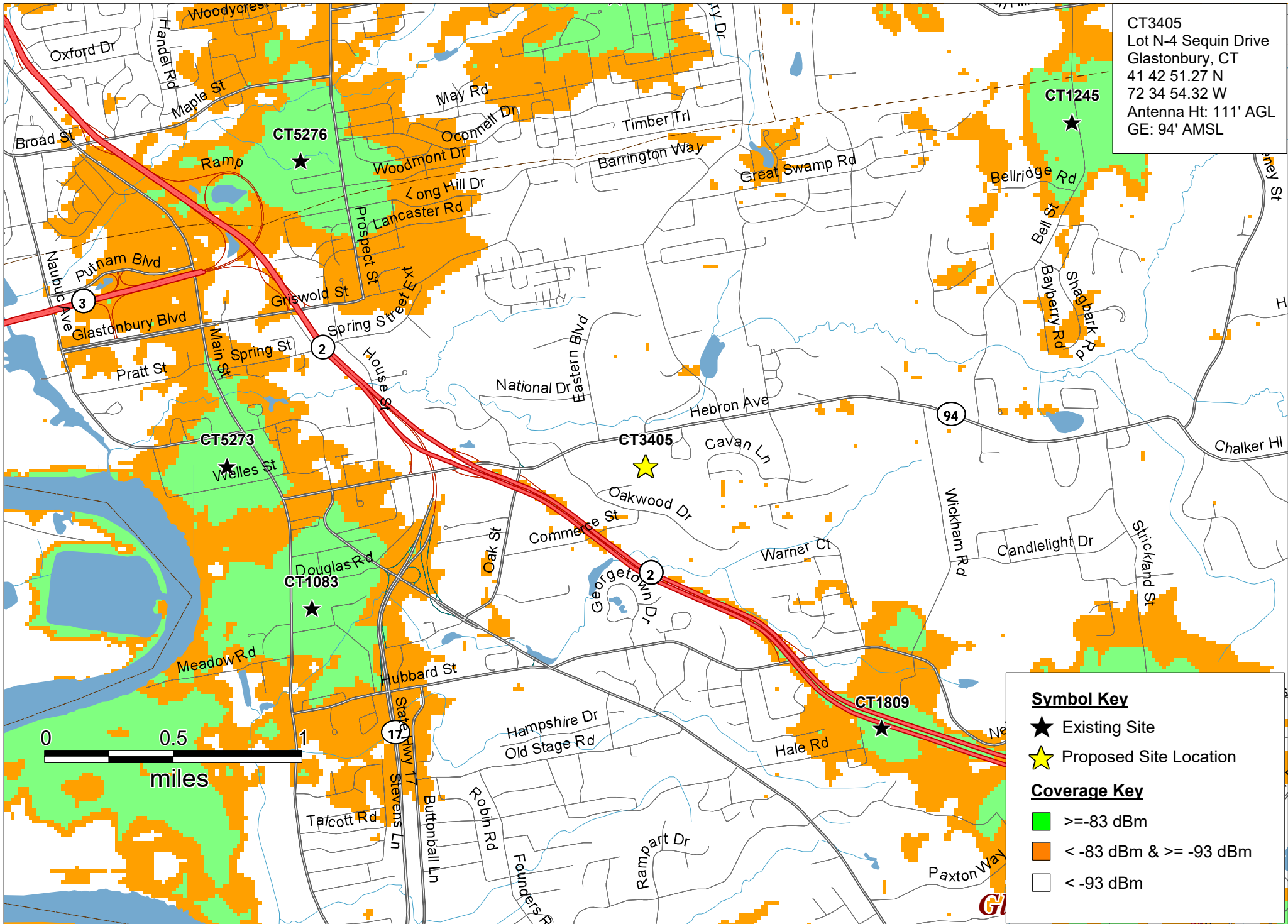
Existing & Proposed  
 AWS LTE Coverage

CT3405

Lot N-4 Sequin Drive  
 Glastonbury, CT



PREPARED ON	REV
DATE: 08/05/2021	0



CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
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 Antenna Ht: 111' AGL  
 GE: 94' AMSL

**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- >= -83 dBm
- < -83 dBm & >= -93 dBm
- < -93 dBm

Existing Coverage  
 WCS LTE

CT3405

Lot N-4 Sequin Drive  
 Glastonbury, CT

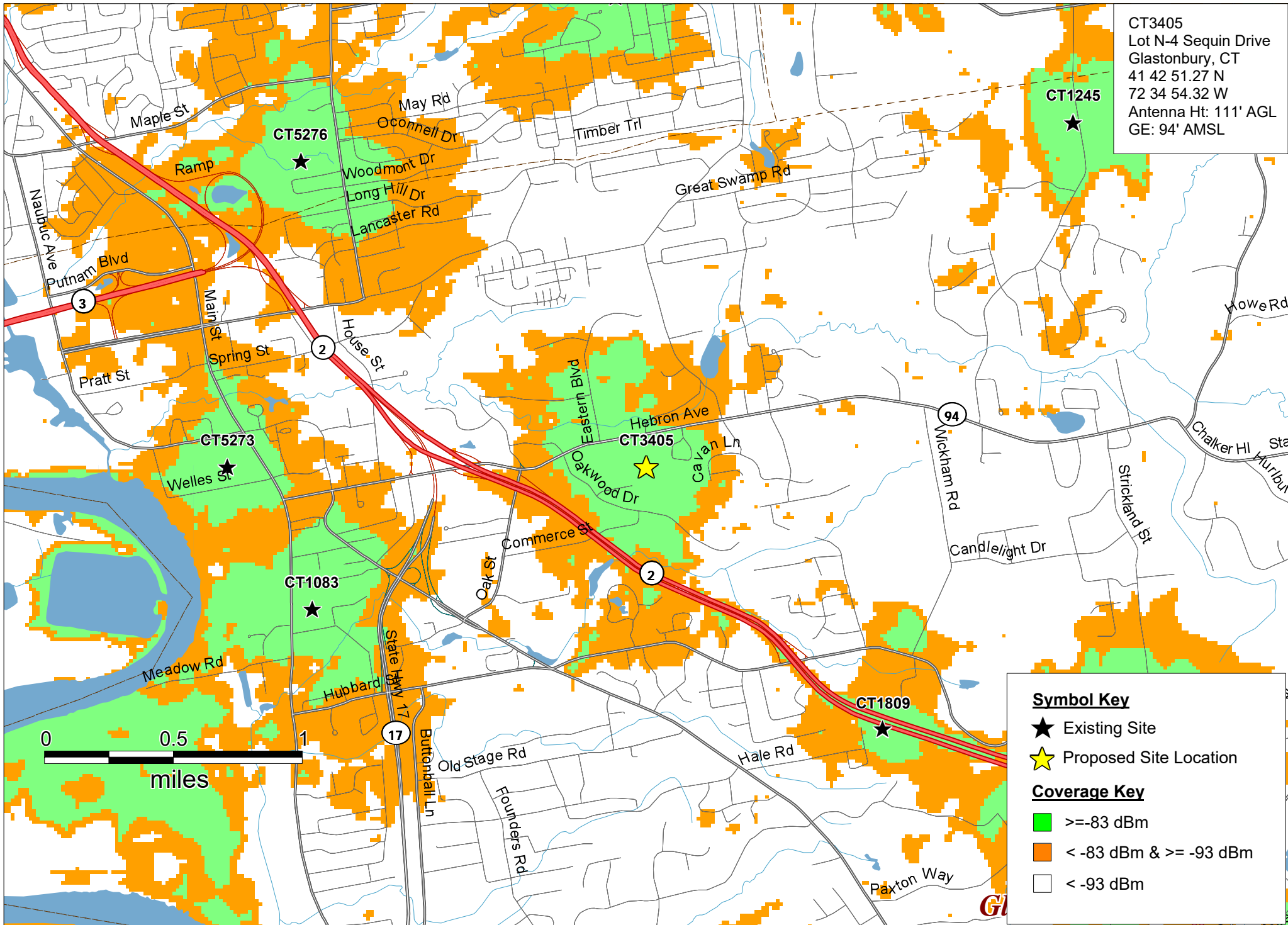


PREPARED ON  
 DATE: 08/05/2021

REV 0



CT3405  
 Lot N-4 Sequin Drive  
 Glastonbury, CT  
 41 42 51.27 N  
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**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

- $\geq -83$  dBm
- $< -83$  dBm &  $\geq -93$  dBm
- $< -93$  dBm

Existing & Proposed  
 WCS LTE Coverage

CT3405

Lot N-4 Sequin Drive  
 Glastonbury, CT



PREPARED ON  
 DATE: 08/05/2021

REV  
 0

# ATTACHMENT 3



## By Area

	Coverage Gap (mi2)	New Coverage (mi2)
<b>700</b>	1.1	0.9
<b>850</b>	1.9	1.2
<b>PCS</b>	3.1	1.3
<b>AWS</b>	4.8	1.2
<b>WCS</b>	6.6	0.9

## Roads:

### 700 Coverage Gap

Street Name	Length miles
State Hwy 2	0.1
Neipsic Rd	0.3
Hebron Ave	0.8
Milestone Dr	0.6
Georgetown Dr	0.6
Griswold St	0.5
Eastern Blvd	0.5
Glenwood Rd	0.4
Lenox Dr	0.3
Mill St	0.3
Addison Rd	0.3
Oxbow Dr	0.2
Orchard St	0.2
Dutton Place Way	0.2
Western Blvd	0.2
National Dr	0.2
Bell St	0.2
Rambling Brook Ln	0.1
Terry Brook Dr	0.1
Checkerberry Ln	0.1
Uconn Ave	0.1
Tara Dr	0.1
Monaco Ln	0.1
Village Pl	0.1
Garland Dr	0.1
Twelve Acre Ln	0.1
Stony Brook Dr	0.1
Butternut Dr	0.1
Stoney Brook Dr	0.1
Allspice Ln	0.1
Hemlock Hill Dr	0.1
Firethorn Dr	0.1
Barrington Way	0.1
Belle Woods Dr	0.1
Summersweet Dr	0.1
Coralberry Ln	0.1
Oakwood Dr	0.1

## 700 MHz New Coverage

Street Name	Length miles
State Hwy 2	0.1
Hebron Ave	0.7
Neipsic Rd	0.2
Milestone Dr	0.6
Georgetown Dr	0.6
Eastern Blvd	0.5
Griswold St	0.4
Lenox Dr	0.3
Glenwood Rd	0.3
Mill St	0.3
Addison Rd	0.2
Dutton Place Way	0.2
Oxbow Dr	0.2
Western Blvd	0.2
National Dr	0.2
Terry Brook Dr	0.1
Uplands Way	0.1
Rambling Brook Ln	0.1
Checkerberry Ln	0.1
Tara Dr	0.1
Tall Timbers Rd	0.1
Carriage Dr	0.1
Monaco Ln	0.1
Village Pl	0.1
Uconn Ave	0.1
Garland Dr	0.1
Smithbrook Ter	0.1
Twelve Acre Ln	0.1
Stony Brook Dr	0.1
Butternut Dr	0.1
Stoney Brook Dr	0.1
Allspice Ln	0.1
Cider Mill Rd	0.1
Firethorn Dr	0.1
Summersweet Dr	0.1
Cutter Ln	0.1
Coralberry Ln	0.1
Hemlock Hill Dr	0.1

## 850 MHz Coverage Gap

Street Name	Length miles
State Hwy 94	0.1
New London Tpke	0.2
State Hwy 2	0.2
Neipsic Rd	0.7
Hebron Ave	1.0
Addison Rd	0.9
Milestone Dr	0.7
Eastern Blvd	0.6
Griswold St	0.6
Georgetown Dr	0.6
Glenwood Rd	0.4
National Dr	0.4
Lenox Dr	0.3
Mill St	0.3
Oakwood Dr	0.3
Uconn Ave	0.3
Dutton Place Way	0.3
Western Blvd	0.3
Orchard St	0.3
Bell St	0.3
Oxbow Dr	0.2
Trinity Ave	0.2
Barrington Way	0.2
Cavan Ln	0.2
Bidwell St	0.2
Kreiger Ln	0.2
Belle Woods Dr	0.2
Tara Dr	0.2
Rambling Brook Ln	0.1
Hampshire Dr	0.1
Terry Brook Dr	0.1
Addison Pond Rd	0.1
Great Swamp Rd	0.1
Checkerberry Ln	0.1
Wesleyan Rd	0.1
Chase Hollow Ln	0.1
Wickham Rd	0.1
Monaco Ln	0.1
Village Pl	0.1
Winding Brook Dr	0.1
Firethorn Dr	0.1
Candlewood Rd	0.1
Macintosh Ln	0.1
Garland Dr	0.1
Opal Dr	0.1
Cobbs Mill Ln	0.1
Cambridge Dr	0.1
Wadsworth St	0.1
Twelve Acre Ln	0.1
Stony Brook Dr	0.1
Butternut Dr	0.1
Stoney Brook Dr	0.1
April Dr	0.1
Allspice Ln	0.1
Hemlock Hill Dr	0.1
Meadowrue Dr	0.1

Gayfeather Ln	0.1
Timber Trl	0.1
Rustic Ln	0.1
Worthington Rd	0.1
Jeffrey Dr	0.1
Westerly Ter	0.1
Lincoln Dr	0.1
Broadleaf Cir	0.1
House St	0.1
Summersweet Dr	0.1
Brittany Rd	0.1
Coralberry Ln	0.1
Quincy Rd	0.1

### 850 MHz New Coverage

Street Name	Length miles
State Hwy 94	0.1
New London Tpke	0.2
State Hwy 2	0.2
Neipsic Rd	0.5
Hebron Ave	0.7
Eastern Blvd	0.6
Georgetown Dr	0.6
Milestone Dr	0.4
Addison Rd	0.4
National Dr	0.4
Griswold St	0.3
Lenox Dr	0.3
Mill St	0.3
Glenwood Rd	0.3
Dutton Place Way	0.3
Western Blvd	0.3
Oxbow Dr	0.2
Oakwood Dr	0.2
Kreiger Ln	0.2
Cavan Ln	0.2
Bidwell St	0.1
Terry Brook Dr	0.1
Addison Pond Rd	0.1
Tara Dr	0.1
Uplands Way	0.1
Conestoga Way	0.1
Monaco Ln	0.1
E Carriage Dr	0.1
Village Pl	0.1
Firethorn Dr	0.1
Garland Dr	0.1
Carriage Dr	0.1
Russet Rd	0.1
Wadsworth St	0.1
Cobbs Mill Ln	0.1
Rampart Dr	0.1
Rambling Brook Ln	0.1
Stony Brook Dr	0.1
Butternut Dr	0.1
Stoney Brook Dr	0.1

Allspice Ln	0.1
Candlewood Rd	0.1
Meadowrue Dr	0.1
Tall Timbers Rd	0.1
Fallview Dr	0.1
Hitching Post Ln	0.1
Checkerberry Ln	0.1
Broadleaf Cir	0.1
House St	0.1
Summersweet Dr	0.1
Cider Mill Rd	0.1
Surrey Ln	0.1
Coralberry Ln	0.1

### PCS Coverage Gap

Street Name	Length miles
Oak St	0.1
State Hwy 94	0.3
State Hwy 2	0.8
Hebron Ave	1.2
New London Tpke	0.8
Neipsic Rd	0.9
Addison Rd	1.1
Oakwood Dr	0.7
Milestone Dr	0.7
Eastern Blvd	0.7
Griswold St	0.7
Trinity Ave	0.6
Hillstown Rd	0.5
Timber Trl	0.5
Great Swamp Rd	0.5
Barrington Way	0.5
Oak St	0.4
Western Blvd	0.4
National Dr	0.4
Cavan Ln	0.4
Worthington Rd	0.4
Glenwood Rd	0.4
Uconn Ave	0.4
Chase Hollow Ln	0.4
Mill St	0.3
Lexington Rd	0.3
Dutton Place Way	0.3
Manor Cir	0.3
Georgetown Dr	0.3
Orchard St	0.3
Winding Brook Dr	0.3
Harvest Ln	0.3
Cambridge Dr	0.3
Lenox Dr	0.2
Oxbow Dr	0.2
Green Manor Dr	0.2
Opal Dr	0.2
Wesleyan Rd	0.2
Westerly Ter	0.2
April Dr	0.2



Warner Ct	0.2
Candlewood Rd	0.2
Heywood Dr	0.2
Cobbs Mill Ln	0.2
Jeffrey Dr	0.2
Deerfield Dr	0.2
Long Hill Dr	0.2
House St	0.2
Belle Woods Dr	0.2
Tara Dr	0.2
Brandon Rd	0.2
Rambling Brook Ln	0.1
Citizens Dr	0.1
Sequin Dr	0.1
Terry Brook Dr	0.1
Addison Pond Rd	0.1
Checkerberry Ln	0.1
Commerce St	0.1
Towhee Ln	0.1
Nye Rd	0.1
Oconnell Dr	0.1
Rustic Ln	0.1
Monaco Ln	0.1
Village Pl	0.1
Oxford Dr	0.1
Short Cir	0.1
Firethorn Dr	0.1
Kelsey Ln	0.1
Macintosh Ln	0.1
Garland Dr	0.1
Country Ln	0.1
Hemlock Hill Dr	0.1
Princeton Ln	0.1
Skyview Dr	0.1
Transit Ln	0.1
Twelve Acre Ln	0.1
Stony Brook Dr	0.1
Butternut Dr	0.1
Stoney Brook Dr	0.1
Old Trail Rd	0.1
Allspice Ln	0.1
Fairlawn Rd	0.1
Meadowrue Dr	0.1
Gayfeather Ln	0.1
Ridgecrest Rd	0.1
Burke St	0.1
Lancaster Rd	0.1
Urbanic Rd	0.1
Summersweet Dr	0.1
Rosewood Dr	0.1
Roser Dr	0.1
Coralberry Ln	0.1

## PCS New Coverage

Street Name	Length miles
Oak St	0.1
State Hwy 94	0.2
New London Tpke	0.2
Neipsic Rd	0.6
Hebron Ave	0.6
State Hwy 2	0.7
Georgetown Dr	0.6
Eastern Blvd	0.6
Oakwood Dr	0.5
National Dr	0.4
Lenox Dr	0.3
Mill St	0.3
Addison Rd	0.3
Dutton Place Way	0.3
Glenwood Rd	0.3
Conestoga Way	0.3
Western Blvd	0.3
Cavan Ln	0.2
Kreiger Ln	0.2
Milestone Dr	0.2
Tall Timbers Rd	0.1
Citizens Dr	0.1
Sequin Dr	0.1
Oxbow Dr	0.1
Addison Pond Rd	0.1
Monaco Ln	0.1
Bidwell St	0.1
Wadsworth St	0.1
Roser Dr	0.1
Garland Dr	0.1
Tara Dr	0.1
Stony Brook Dr	0.1
Commerce St	0.1
Stoney Brook Dr	0.1
Paxton Way	0.1
Miller Rd	0.1
Old Trail Rd	0.1
Ridgecrest Rd	0.1
Mark Dr	0.1
Village Pl	0.1
Firethorn Dr	0.1
Summersweet Dr	0.1
Rampart Dr	0.1
Rambling Brook Ln	0.1

## AWS Coverage Gap

Street Name	Length miles
Griswold St	0.1
Hubbard St	0.2
Oak St	0.4
State Hwy 94	0.5
Neipsic Rd	1.1
State Hwy 2	1.3
New London Tpke	1.5
Hebron Ave	1.6
Addison Rd	1.2
Oakwood Dr	1.0
Great Swamp Rd	0.8
Griswold St	0.7
Milestone Dr	0.7
Eastern Blvd	0.7
Bell St	0.7
Trinity Ave	0.6
Lexington Rd	0.6
Timber Trl	0.6
Hillstown Rd	0.6
Georgetown Dr	0.6
Oak St	0.6
Western Blvd	0.6
Worthington Rd	0.5
Belle Woods Dr	0.5
Barrington Way	0.5
House St	0.5
Wickham Rd	0.5
Cambridge Dr	0.5
Cavan Ln	0.4
National Dr	0.4
Lincoln Dr	0.4
Chase Hollow Ln	0.4
Green Manor Dr	0.4
Harvest Ln	0.4
Glenwood Rd	0.4
Uconn Ave	0.4
Commerce St	0.4
Lenox Dr	0.3
Manor Cir	0.3
Mill St	0.3
Goodrich Rd	0.3
Karen Lee Rd	0.3
Kreiger Ln	0.3
Heywood Dr	0.3
Winding Brook Dr	0.3
Bidwell St	0.3
Warner Ct	0.3
Dutton Place Way	0.3
Candlewood Rd	0.3
Orchard St	0.3
Deerfield Dr	0.3
Westerly Ter	0.3
Wesleyan Rd	0.3
April Dr	0.2
Oconnell Dr	0.2
Mark Dr	0.2

Oxbow Dr	0.2
Nutmeg Ln	0.2
Country Ln	0.2
Citizens Dr	0.2
Opal Dr	0.2
Wadsworth St	0.2
Rustic Ln	0.2
Short Cir	0.2
Duxbury Ln	0.2
Long Hill Dr	0.2
Rockhaven Dr	0.2
Cobbs Mill Ln	0.2
Ridgecrest Rd	0.2
Nye Rd	0.2
Brandon Rd	0.2
Jeffrey Dr	0.2
Margaret Ln	0.2
Quincy Rd	0.2
Burke St	0.2
Princeton Ln	0.2
Brittany Rd	0.2
Rosewood Dr	0.2
Olde Stage Rd	0.2
Tara Dr	0.2
Towhee Ln	0.2
Rambling Brook Ln	0.1
Roser Dr	0.1
Sequin Dr	0.1
Terry Brook Dr	0.1
Addison Pond Rd	0.1
Kelsey Ln	0.1
Checkerberry Ln	0.1
Fairlawn Rd	0.1
Salmon Brook Dr	0.1
Benton Ln	0.1
Clove Hill Rd	0.1
Crestdale Rd	0.1
Old Trail Rd	0.1
Oxford Dr	0.1
Hickory Dr	0.1
Hale Rd	0.1
Lindsey Ln	0.1
Rolling Hills Dr	0.1
Risley Rd	0.1
Monaco Ln	0.1
Village Pl	0.1
Gideon Ln	0.1
Sycamore St	0.1
Firethorn Dr	0.1
Macintosh Ln	0.1
Garland Dr	0.1
Hampshire Dr	0.1
Ruff Cir	0.1
Bantle Rd	0.1
Bellridge Rd	0.1
Hemlock Hill Dr	0.1
Franklin Ln	0.1
Skyview Dr	0.1
Broadleaf Cir	0.1

Transit Ln	0.1
Spruce Ln	0.1
Twelve Acre Ln	0.1
Stony Brook Dr	0.1
E Opal Dr	0.1
Pinnacle Ln	0.1
Miller Rd	0.1
Lancaster Rd	0.1
Norman Dr	0.1
Butternut Dr	0.1
Stoney Brook Dr	0.1
Sunny Slope Dr	0.1
Allspice Ln	0.1
Meadowrue Dr	0.1
Gayfeather Ln	0.1
Tannery Ct	0.1
Cross Brook Ln	0.1
Jarman Dr	0.1
Woodmont Dr	0.1
Hancock Ln	0.1
Courtney Cir	0.1
Querido Dr	0.1
Urbanic Rd	0.1
Summersweet Dr	0.1
Fowler Ln	0.1
E Carriage Dr	0.1
Legion Dr	0.1
Coralberry Ln	0.1
Coltsfoot Cir	0.1

**AWS New Coverage**

<b>Street Name</b>	<b>Length miles</b>
New London Tpke	0.1
Oak St	0.1
State Hwy 94	0.3
Neipsic Rd	0.6
Hebron Ave	0.6
State Hwy 2	0.7
Oakwood Dr	0.6
Georgetown Dr	0.6
Eastern Blvd	0.5
National Dr	0.4
Lenox Dr	0.3
Mill St	0.3
Addison Rd	0.3
Western Blvd	0.3
Dutton Place Way	0.3
Commerce St	0.3
Glenwood Rd	0.3
Citizens Dr	0.2
Conestoga Way	0.2
Cavan Ln	0.2
Sequin Dr	0.1
Wadsworth St	0.1
Crestdale Rd	0.1
Kreiger Ln	0.1

Oxbow Dr	0.1
Monaco Ln	0.1
Roser Dr	0.1
Old Trail Rd	0.1
Addison Pond Rd	0.1
Stony Brook Dr	0.1
Miller Rd	0.1
Norman Dr	0.1
Stoney Brook Dr	0.1
Milestone Dr	0.1
Bidwell St	0.1
Summersweet Dr	0.1

### WCS Coverage Gap

Street Name	Length miles
Griswold St	0.3
Hubbard St	0.5
Oak St	0.6
State Hwy 94	0.6
Hills St	0.7
Neipsic Rd	1.2
New London Tpke	1.5
Hebron Ave	1.9
State Hwy 2	1.9
Addison Rd	1.3
Oakwood Dr	1.3
Olde Stage Rd	1.0
Great Swamp Rd	1.0
Bell St	1.0
Wickham Rd	0.9
Oak St	0.9
Hillstown Rd	0.8
Griswold St	0.7
Milestone Dr	0.7
Eastern Blvd	0.7
House St	0.7
Timber Trl	0.7
Lexington Rd	0.6
Trinity Ave	0.6
Georgetown Dr	0.6
Western Blvd	0.6
Belle Woods Dr	0.5
Green Manor Dr	0.5
Commerce St	0.5
Worthington Rd	0.5
Cambridge Dr	0.5
Oconnell Dr	0.5
Barrington Way	0.5
Cavan Ln	0.4
Chase Hollow Ln	0.4
Karen Lee Rd	0.4
Lincoln Dr	0.4
National Dr	0.4
Hampshire Dr	0.4
Harvest Ln	0.4
Westerly Ter	0.4

Burke St	0.4
Manor Cir	0.4
Deerfield Dr	0.4
Glenwood Rd	0.4
Uconn Ave	0.4
Country Ln	0.4
Lenox Dr	0.3
Heywood Dr	0.3
Warner Ct	0.3
May Rd	0.3
Short Cir	0.3
Mill St	0.3
Goodrich Rd	0.3
Kreiger Ln	0.3
Winding Brook Dr	0.3
Legion Dr	0.3
Somerset Rd	0.3
Bidwell St	0.3
Dutton Place Way	0.3
Candlewood Rd	0.3
Orchard St	0.3
Langford Ln	0.3
Nutmeg Ln	0.3
Wesleyan Rd	0.3
Benton Ln	0.3
Rustic Ln	0.2
April Dr	0.2
Fairlawn Rd	0.2
Mark Dr	0.2
Oxbow Dr	0.2
Hickory Dr	0.2
Citizens Dr	0.2
E Opal Dr	0.2
Brittany Rd	0.2
Opal Dr	0.2
New London Tpke	0.2
Johnny Cake Ln	0.2
Wadsworth St	0.2
Candlelight Dr	0.2
Williams St E	0.2
Salmon Brook Dr	0.2
Gideon Ln	0.2
Ridgecrest Rd	0.2
Long Hill Dr	0.2
Fowler Ln	0.2
Sycamore St	0.2
Duxbury Ln	0.2
Towhee Ln	0.2
Rockhaven Dr	0.2
Margaret Ln	0.2
Brandon Rd	0.2
Risley Rd	0.2
Bellridge Rd	0.2
Trymbulak Ln	0.2
Brookfield Dr	0.2
Rolling Hills Dr	0.2
Cobbs Mill Ln	0.2
Nye Rd	0.2
Jeffrey Dr	0.2

Quincy Rd	0.2
Princeton Ln	0.2
Rosewood Dr	0.2
Tara Dr	0.2
Clove Hill Rd	0.2
Bayberry Rd	0.2
Cooper Dr	0.2
Sunny Slope Dr	0.2
Bantle Rd	0.2
Pinnacle Ln	0.2
Rambling Brook Ln	0.1
Roser Dr	0.1
Sequin Dr	0.1
Spruce Ln	0.1
Terry Brook Dr	0.1
Shagbark Rd	0.1
Kelsey Ln	0.1
Crestdale Rd	0.1
Melrose St	0.1
Addison Pond Rd	0.1
Farmstead Rd	0.1
Woodmont Dr	0.1
Checkerberry Ln	0.1
Old Trail Rd	0.1
Greenwood St	0.1
Ruff Cir	0.1
Oxford Dr	0.1
Lindsey Ln	0.1
Palmer Dr	0.1
Monaco Ln	0.1
Village Pl	0.1
Lancaster Rd	0.1
Norman Dr	0.1
Firethorn Dr	0.1
Linden St	0.1
Macintosh Ln	0.1
Garland Dr	0.1
Spring St	0.1
Cutter Ln	0.1
Hemlock Hill Dr	0.1
Franklin Ln	0.1
Skyview Dr	0.1
Broadleaf Cir	0.1
Transit Ln	0.1
Twelve Acre Ln	0.1
Stony Brook Dr	0.1
Callahan Ln	0.1
Miller Rd	0.1
Buena Vista Dr	0.1
Butternut Dr	0.1
Stoney Brook Dr	0.1
Magnolia Dr	0.1
Grist Mill Rd	0.1
Allspice Ln	0.1
Hubbard Run Dr	0.1
Cross Brook Ln	0.1
Meadowrue Dr	0.1
Gayfeather Ln	0.1
Prasser Dr	0.1



Tannery Ct	0.1
Jarman Dr	0.1
Vista Ln	0.1
Plank Ln	0.1
Deming Rd	0.1
Wagon Rd	0.1
Barnwood Rd	0.1
Fitzgerald Dr	0.1
Hancock Ln	0.1
Applewood Pl	0.1
Courtney Cir	0.1
Querido Dr	0.1
Urbanic Rd	0.1
Birch Ln	0.1
Summersweet Dr	0.1
Coltsfoot Cir	0.1
Cheney Ln	0.1
Rotary Fields Rd	0.1
Olde Village Rd	0.1
Coralberry Ln	0.1
Founders Rd	0.1
Cattail Rd	0.1

**WCS New Coverage**

<b>Street Name</b>	<b>Length miles</b>
Oak St	0.1
State Hwy 94	0.2
Neipsic Rd	0.5
Hebron Ave	0.6
State Hwy 2	0.8
Oakwood Dr	0.6
Georgetown Dr	0.5
Eastern Blvd	0.4
Commerce St	0.4
National Dr	0.4
Mill St	0.3
Addison Rd	0.3
Dutton Place Way	0.3
Western Blvd	0.3
Lenox Dr	0.3
Citizens Dr	0.2
Glenwood Rd	0.2
Cavan Ln	0.2
Sequin Dr	0.1
Crestdale Rd	0.1
Monaco Ln	0.1
Wadsworth St	0.1
Norman Dr	0.1
Roser Dr	0.1
Stoney Brook Dr	0.1
Miller Rd	0.1
Old Trail Rd	0.1
Conestoga Way	0.1