

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF CELLCO PARTNERSHIP  
D/B/A VERIZON WIRELESS FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE AND  
OPERATION OF A WIRELESS  
TELECOMMUNICATIONS FACILITY AT  
5151 PARK AVENUE, FAIRFIELD, CONNECTICUT

DOCKET NO. 495A

March 22, 2022

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

Q1. Provide details of New Cingular Wireless PCS, LLC's (AT&T) proposed equipment.

A1. *AT&T proposes to install the following equipment on the replacement facility:*

*(3) CCI TPA65R-BU6DA-K Antennas  
(3) AIR 6449 B77D Antennas  
(3) AIR 6419 B77G Antennas  
(3) CCI DMP65R-BU6DA-K Antennas*

*(3) LTE 4478 B14 RRH  
(3) LTE 4415 B30 WCS RRH  
(3) LTE 4449 B5/B12 RRH  
(3) LTE RRUS 8843 B2/B66A*

*(3) DC6-48-60-18E Surge Suppressors*

*(6) DC Lines – Diameter: 1” Model: PWRT-606-S  
(3) Fiber Lines – Diameter: .40”, Model: RFFT-48SM-001-xM (24-pair)*

*AT&T's antennas will be mounted on a triangular platform at a centerline height of approximately 76.75' AGL and located behind RF transparent screening panels. The RRH units will be mounted approximately 3 feet behind the antennas.*

*AT&T will install equipment on an equipment rack located in an approximately 104.3 square foot area within an equipment room inside a multi-carrier equipment shelter. AT&T will share the proposed emergency back-up generator provided by Verizon.*

Q2. Estimate the total cost of AT&T's proposed installation? How would the cost of the installation be recovered?

A2.

<b>Component</b>	<b>Cost</b>
<i>Equipment / Materials</i>	<i>\$ 112,000</i>
<i>Construction</i>	<i>\$ 179,000</i>
<i>Integration &amp; Optimization</i>	<i>\$ 15,300</i>
<b>TOTAL</b>	<b>\$ 306,300</b>

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

### **Site Search**

Q3. Did AT&T examine other alternatives besides the proposed site? If yes, identify the locations that were examined and the reasons for their rejection.

A3. *As noted in Petition No. 1470, AT&T, like Verizon and T-Mobile, maintained a rooftop wireless facility at the Sacred Heart University campus. Sacred Heart University advised AT&T that its lease for this rooftop facility would not be renewed. AT&T learned of Verizon's plan for a temporary facility that was the subject of Petition 1470 and Verizon's plan for a permanent replacement facility that is the subject of this proceeding. Given that the temporary and replacement facilities proposed by Verizon were designed to accommodate additional carriers and both fulfilled AT&T's coverage gap that would result from removal of its rooftop facility, AT&T did not review alternatives.*

### **Coverage/Capacity**

Q4. Which frequency bands would AT&T deploy at the proposed facility? Would all of AT&T's frequencies be used to transmit voice and data?

A4. *AT&T will deploy 700 MHz, 850 MHz, 1900 MHz (PCS), 2100 MHz (AWS), 2300 MHz (WCS) and 3500 MHz frequencies. All frequencies will be used to transmit voice and data services.*

Q5. Would the AT&T's proposed installation provide 5G services? At what frequencies?

A5. *Yes, AT&T will provide 5G services at the 850, 1900, 2100 and 3500 MHz frequencies.*

Q6. Would AT&T's proposed installation be needed for coverage, capacity, or both? Explain.

A6. *The proposed installation will address both the capacity and coverage needs on the Sacred Heart University campus, which are currently being addressed by the temporary facility.*

Q7. Provide specific information as to how AT&T's proposed installation will improve upon existing wireless service in the area. Include information regarding service along major roads (in miles) and the size of the coverage footprint (in square miles).

A7. *The table below includes estimates of the improved coverage area.*

	<b>-83dBm</b>	<b>-93dBm</b>	
<b>New Coverage Area</b>	0.42	1.22	square miles
<b>New Population ("pops") Coverage</b>	1005	2609	Pops
<b>New Business Coverage</b>	760	1924	business pops
<b>New Roads Coverage</b>	<b>Total</b>	9.2	Miles
	<i>Main</i>	1.9	Miles
	<i>Secondary</i>	7.4	Miles

Q8. Provide coverage plots that shows AT&T's coverage from the site in isolation and coverage plots from the site with AT&T's existing service from adjacent sites.

A8. *Please see the existing and proposed coverage plots provided in Attachment 1.*

Q9. Identify AT&T's adjacent sites with which the proposed facility would hand off signals. Include the address, antenna height, structure type, and the distance/direction to each site.

A9. *The proposed facility will hand-off to the following AT&T adjacent sites:*

<b>Name</b>	<b>Address</b>	<b>Town</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Type</b>	<b>Distance to Proposed</b>	<b>Direction</b>
CT1323	515 Morehouse Road	Easton	41.2356	-73.2854	Monopole	2.40	NW
CT2084	2750 Reservoir Avenue	Trumbull	41.2383	-73.1937	Rooftop	2.97	ENE
CT2085	120 Huntington Turnpike	Bridgeport	41.2114	-73.1771	Rooftop	3.56	ESE
CT2088	2625 Park Avenue	Bridgeport	41.1932	-73.2167	Rooftop	2.30	SSE
CT2105	281 Wood House Road	Fairfield	41.1959	-73.2814	Monopole	2.48	SW
CT2106	2 Kaechele Place	Bridgeport	41.2233	-73.2168	Monopole	1.49	ENE
CT2128	3965 Congress Street	Fairfield	41.1884	-73.2991	Monopole	3.52	SW
CT2340	110 Merrimac Drive	Trumbull	41.2619	-73.2509	Water Tank	2.99	N
CT5086	3200 Park Avenue	Bridgeport	41.2008	-73.2210	Rooftop	1.76	SSE
CT5089	124 Quarry Road	Trumbull	41.2325	-73.1859	Utility	3.20	ENE
CT5090	2891 Nichols Avenue	Trumbull	41.2329	-73.1593	Utility	4.54	ENE
CT5093	1320 Chopsey Hill Road	Bridgeport	41.2196	-73.2013	Self Support	2.26	E
CT5100	220 Evergreen Street	Bridgeport	41.1978	-73.1907	Monopole	3.17	SE
CT5145	280 Morehouse Drive	Fairfield	41.2100	-73.2616	Utility	1.07	SW
CT5151	5065 Main Street Dup1	Trumbull	41.2303	-73.2267	Rooftop	1.23	NE

Q10. Would AT&T's proposed installation provide capacity relief to any exhausting sectors at adjacent sites? If yes, identify the adjacent sites/ frequencies/sectors that would benefit from capacity relief.

A10. *The proposed facility is needed to address the ongoing and increasing demands for wireless services at the Sacred Heart University campus. The Alpha sector of the existing operational temporary site on the Sacred Heart University campus (CT5897) is currently exhausting capacity. Similarly, the Gamma sector of CT2106, which also serves the Sacred Heart University campus, is currently exhausting capacity.*

*The proposed permanent facility will provide wireless capacity that exceeds the capacity provided by the existing temporary facility, thereby alleviating the current capacity exhaustion occurring at both sites.*

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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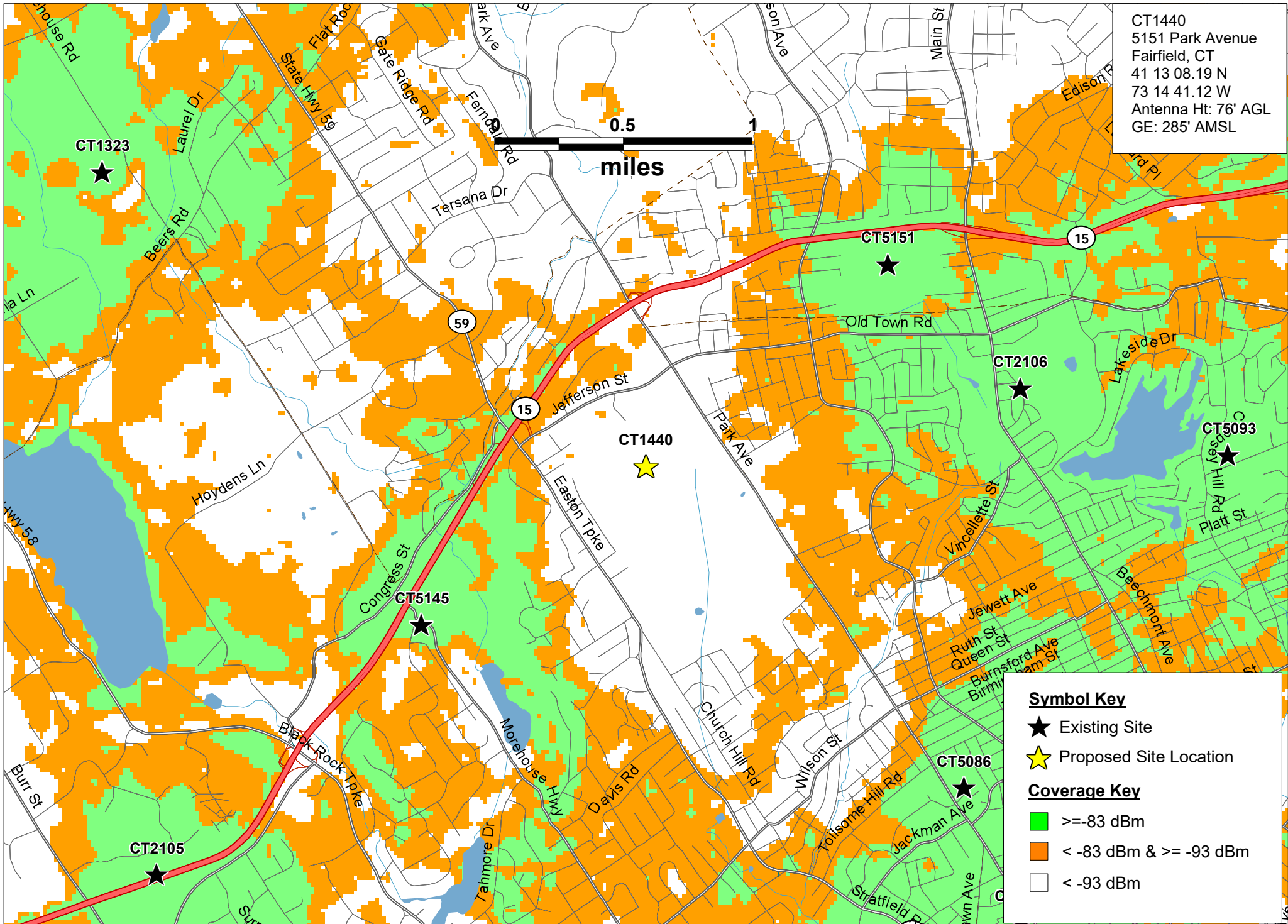
Dated: March 22, 2022



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CT1440  
 5151 Park Avenue  
 Fairfield, CT  
 41 13 08.19 N  
 73 14 41.12 W  
 Antenna Ht: 76' AGL  
 GE: 285' AMSL



**Symbol Key**

- ★ Existing Site
- ★ Proposed Site Location

**Coverage Key**

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

Existing Coverage  
 700 MHz LTE

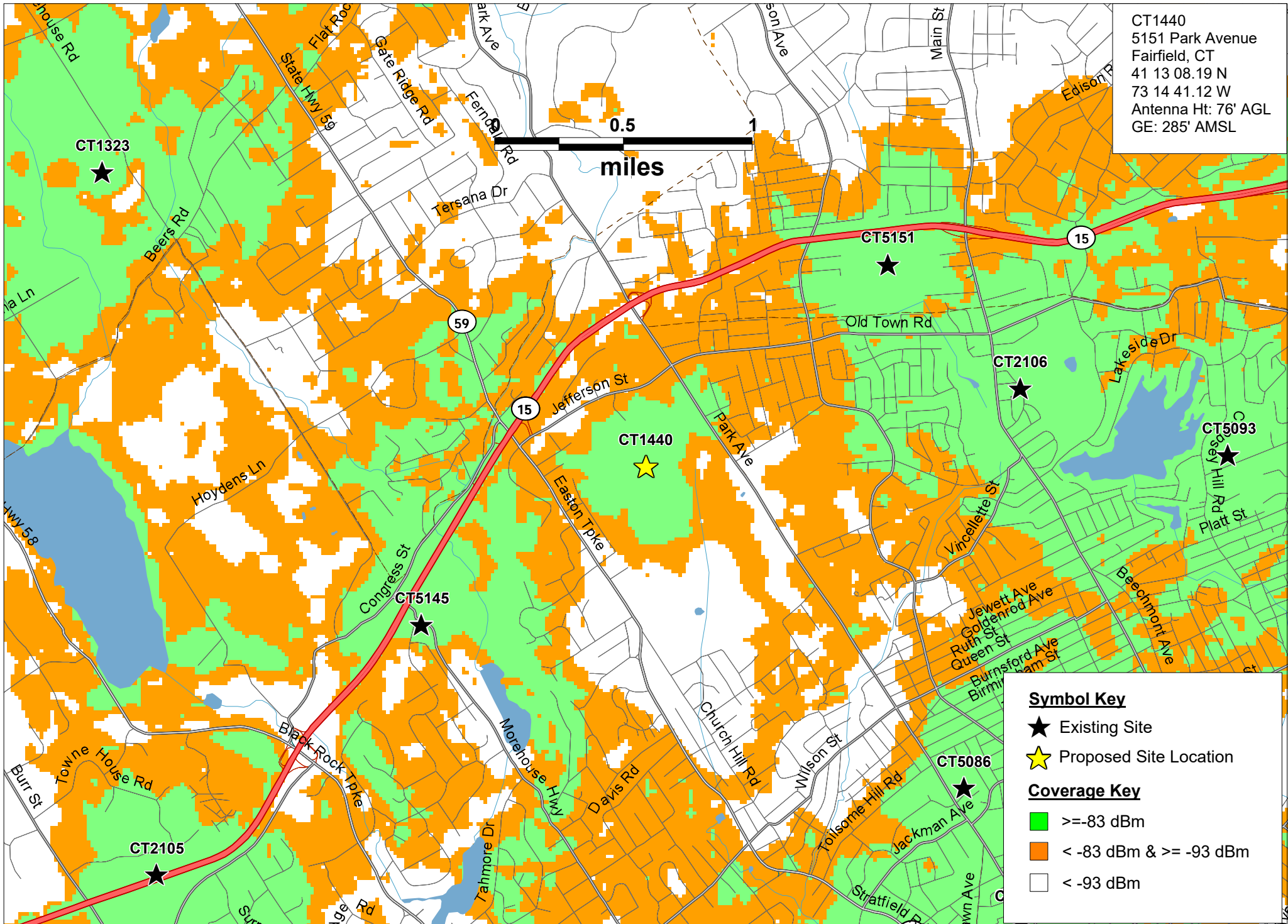
CT1440

5151 Park Avenue  
 Fairfield CT



PREPARED ON	
DATE: 03/18/2022	REV 0

CT1440  
 5151 Park Avenue  
 Fairfield, CT  
 41 13 08.19 N  
 73 14 41.12 W  
 Antenna Ht: 76' AGL  
 GE: 285' AMSL



**Symbol Key**

- ★ Existing Site
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**Coverage Key**

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

Existing & Proposed  
 700 MHz LTE Coverage

CT1440

5151 Park Avenue  
 Fairfield CT



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