STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

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NEW CINGULAR WIRELESS PCS, LLC (AT&T) PETITION FOR A DECLARATORY RULING, PURSUANT TO CONNECTICUT GENERAL STATUTES §4-176 AND §16-50K, FOR THE INSTALLATION OF A WIRELESS TELECOMMUNICATIONS FACILITY ON PROPERTY LOCATED AT 650 MAIN AVE, NORWALK, CONNECTICUT.

PETITION NO	

May 22, 2024

PETITION FOR A DECLARATORY RULING: INSTALLATION HAVING NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT

I. <u>Introduction</u>

Pursuant to Section 16-50j-38 and 16-50j-39 of the regulations of Connecticut State Agencies ("R.C.S.A."), New Cingular Wireless PCS LLC ("AT&T") hereby petitions the Connecticut Siting Council (the "Council") for a declaratory ruling ("Petition") that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a new wireless telecommunications facility adjacent to 650 Main Avenue, Norwalk., Connecticut (the "Site"). AT&T proposes to install a small cannister antenna at the top of a new utility pole and an equipment cabinet with remote radio head units ("RRH") lower on the new utility pole. The proposed utility pole is to be located within the public right-of-way adjacent to 650 Main Avenue. The pole will be installed and owned by Eversource. The authorization for AT&T to file this Petition is included in **Attachment 1.**

II. <u>Factual Background</u>

a. AT&T's Need for the Proposed Facility

AT&T identified a need for additional coverage and capacity relief in its network in this area of Norwalk. The proposed Facility is designed to assure reliable wireless service to AT&T customers and emergency service providers in the area of the Facility location, including travelers along U.S. Route 7. A new pole is proposed as the existing utility poles in the area where service is needed are unavailable for use due to the presence at utility attachments, including other wireless telecommunications equipment maintained by other carriers.

b. The Site and AT&T's Proposed Tower Facility

The adjacent and nearby properties in the vicinity contain a range of commercial uses, including retail, restaurants, offices, and medical uses. The adjacent area is classified within the City of Norwalk's CD-3C – General Urban – Corridor District.

AT&T's proposed Facility consists of a small canister antenna mounted at the top of a new class 2 utility pole at a centerline height of approximately 36' above grade level ("AGL") with the highest point of the proposed antenna reaching 37' AGL. An equipment cabinet with two RRH's will be mounted lower on the pole so that the bottom of the equipment cabinet will be approximately 8'6" AGL. The cannister antenna proposed atop the new pole would be 24" in height and 16" in diameter. AT&T will deploy their 700MHz, 1900 MHz and AWS frequencies. Specifications and details of AT&T's proposed Facility are shown on the drawings included in **Attachment 2**. Also, included in **Attachment 3** is a structural analysis report confirming that AT&T's proposed Facility can be structurally accommodated. The proposed power and fiber connecting to the new pole are expected to be rooted overhead from an existing utility pole across Route 7.

No back-up power is proposed for AT&T's Facility. The total duration of construction and facility integration is 4 days which will only occur between the hours of 8am-5pm during weekdays (Monday – Friday). AT&T's approximate cost is \$25,000.

c. Council Jurisdiction

Connecticut law confers jurisdiction to the Council over certain "facilities", including "telecommunication towers." C.G.S. §16-50i(a)(6). State regulations define "tower" as a "structure, whether free standing or attached to a building or another structure... used principally to support one or more antennas for receiving or sending radio frequency signals...." R.C.S.A. §16-50j-2a(30)(A). Utility structures used to support electric distribution lines located within the public right-of-way fall under PURA's jurisdiction. Thus, PURA has jurisdiction over small cell facility attachments to utility poles that are part of the electric utility distribution system located within the public right-of-way. PURA, Docket 16-06-38.

Here, the proposed utility pole will be "used principally to support one or more antennas for receiving or sending radio frequency signals" and the pole will not, for the foreseeable future, be used as a part of the existing electric distribution system. Thus, the proposed utility pole along with AT&T's wireless equipment constitutes a "facility" over which the Council has jurisdiction. This jurisdiction is consistent with the Council's November 5, 2007 Opinion in Petition No. 809

III. <u>Discussion</u>

a. The Proposed Small Cell Facility Will Not Have A Substantial Environmental Impact

For the reasons set forth below, AT&T respectfully submits that its proposed Facility will not have a substantial environmental impact and as such a Certificate pursuant to C.G.S. Section 16-50k(a) is not required.

i. Physical Environmental Effects

AT&T's proposed Facility will not result in any significant physical or environmental change to the Site or any adjacent parcels. Minimal disturbance is associated with the proposed Facility and no trees are proposed to be removed.

ii. Visual Effects

The photosimulations included in **Attachment 4** demonstrate that the limited nature of AT&T's proposed Facility will not result in any significant visual impacts to the area. Indeed, compared to the existing utility infrastructure in the area, AT&T's proposed Facility results in negligible visibility.

iii. FCC Compliance

The operation of AT&T's antenna will not increase the total radio frequency electromagnetic power density at the site to a level at or above applicable standards. A power density report is included in **Attachment 5**. The total radio frequency power density will be well within standards adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and the MPE limits established by the Federal Communications Commission.

b. Notice of Petition Filing

Pursuant to R.C.S.A. Section 16-50j-40(a), notice of AT&T's intent to file this Petition was sent to each person appearing of record as an owner of property that abuts the site, as well as the appropriate municipal officials and government agencies as required by Section 16-50*l* of the C.G.S. Certification of such notice, a copy of the notice and the list of property owners is included in **Attachment 6** along with the map from the Town's GIS website used to identify abutting property owners. **Attachment 6** also includes a certification of service to municipal officials and government agencies to whom notice was sent.

IV. <u>Conclusion</u>

As set forth above, AT&T's proposed Facility will not result in any known adverse environmental effects. Therefore, and for all the foregoing reasons, AT&T petitions the Council for a determination that the proposed Facility does not require a Certificate of Environmental Compatibility and Public Need and that the Council issue an order approving same.

Respectfully submitted,

Daniel Patrick

On behalf of the Petitioner

cc: Mayor Harry Rilling, City of Norwalk
Steven Klepping, Director of Planning and Zoning, City of Norwalk
First Selectwoman Toni Boucher, Town of Wilton
Michael Wrinn, Director of Planning & Land Use Management, Town of Wilton
AT&T
Centerline
Lucia Chiocchio, Esq., Cuddy + Feder LLP
Meyling Nuñez, Cuddy + Feder LLP

ATTACHMENT 1

LETTER OF CONSENT

RE: AT&T Small Cell Installation // cRAN_RCTB_A1CT_059

ADDRESS: Near 650 Main Avenue, Norwalk, CT 06851

The Connecticut Light and Power Company dba Eversource Energy (Eversource) hereby consents to New Cingular Wireless PCS, LLC ("AT&T"), and/or its agent, filing an application to the Connecticut Siting Council ("Siting Council") for approval and submitting requests for any associated required municipal approvals or reviews ("municipal approvals") as necessary for AT&T's installation of a small cell facility (including Eversource's installation of a utility pole to support such facility) in the public right-of-way at the above-described location. AT&T agrees that no less than ten (10) business days prior to submitting an application to the Siting Council and requests for associated required municipal approvals, AT&T will provide Eversource's representatives a copy of such application and requests for municipal approvals for Eversource's review and comment.

Eversource and AT&T understand that such Siting Council application may be denied, modified, or approved with conditions, and that any such conditions of approval or modifications will be subject to review by Eversource and AT&T as to whether they are acceptable. If such conditions or modifications are acceptable to both Eversource and AT&T, then AT&T will pay costs and expenses that result from their implementation. If such conditions or modifications are not acceptable to either Eversource or AT&T, they will confer to determine any subsequent action or step.

The Connecticut Light and Power Company dba Eversource Energy

By: <u>AnnMarie Kallier</u>

Name: <u>AnnMarie Kallier</u>

Date: <u>2/26/2024</u>

ATTACHMENT 2



AT&T SITE ID: CRAN_RCTB_A1CT_059 650 MAIN AVE NORWALK, CT 06851

PROJECT INFORMATION

AT&T SITE ID: CRAN_RCTB_A1CT_059

SITE ADDRESS: 650 MAIN AVE NORWALK, CT 06851

321996

USID#: 321996 FA#: 15890549

IWM: WSCTB0019260/WSCTB0000188

PACE: MRCTB063828/MRCTB068228
PTN: 2051A15CGF/2051A17LVW

LATITUDE: 41.158902

LONGITUDE: -73.419725 COUNTY: FAIRFIELD

STRUCTURE TYPE: UTILITY POLE

POLE OWNER: EVERSOURCE

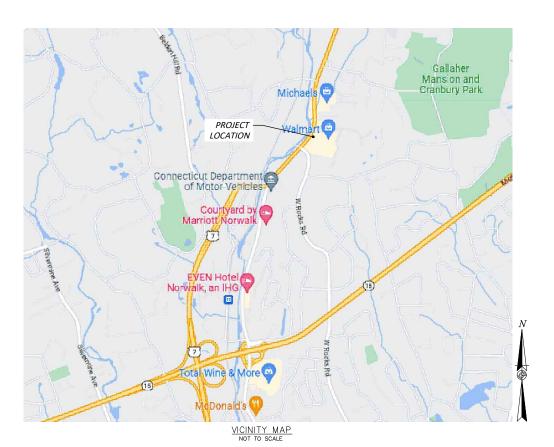
DESCRIPTION OF WORK:

- INSTALLATION OF ANTENNA AND ASSOCIATED EQUIPMENT ON A PROPOSED UTILITY POLE.
- 2. THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT SITE AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF IMPROVING CELLULAR AND WIRELESS INTERNET SERVICE.
- AT&T MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

PROJECT DIRECTORY

A&E / PROJECT MANAGER: CENTERLINE ENGINEERING SERVICES, PA 750 WEST CENTER ST, SUITE 301 WEST BRIDGEWATER, MA 02379 PHONE 781.713.4725

APPLICANT: AT&T MOBILITY CORP. 500 ENTERPRISE DRIVE ROCK HILL, CT 06067



GENERAL NOTES

- 1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSE OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
- 2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
- 3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

NO.	DESCRIPTION	REV.	DATE
T-1	TITLE SHEET	4	05/02/24
C-1	PLOT PLAN & ABUTTERS LIST	4	05/02/24
A-1	ELEVATION & KEY PLAN	4	05/02/24
A-2	EQUIPMENT DETAILS	4	05/02/24

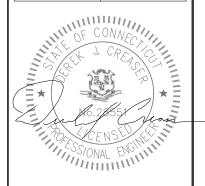
DRAWING INDEX





	REVISIONS					
4	05/02/24	REVISED PER COMMENTS				
3	04/08/24	REVISED PER COMMENTS				
2	01/03/24	S&S FOR ZONING				
1	12/20/23	REVISED PER COMMENTS				
0	06/13/23	ISSUED FOR REVIEW				
N	DATE	DESCRIPTION				

DESIGNED BY: APPROVED BY: TG DC



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CLUSTER & NODE #:
TBD
ATA T OUT IS
AT&T SITE ID:
CRAN_RCTB_A1CT_059
SITE ADDRESS:
650 MAIN AVE
NORWALK CT 06851

FAIRFIELD COUNTY
PROJECT TYPE:

UTILITY POLE

TITLE SHEET

DRAWING #: T-1 REVISION:



PARCEL

5/36/6/0

5/35/27/0

5/35/20/0

5/35/33/0

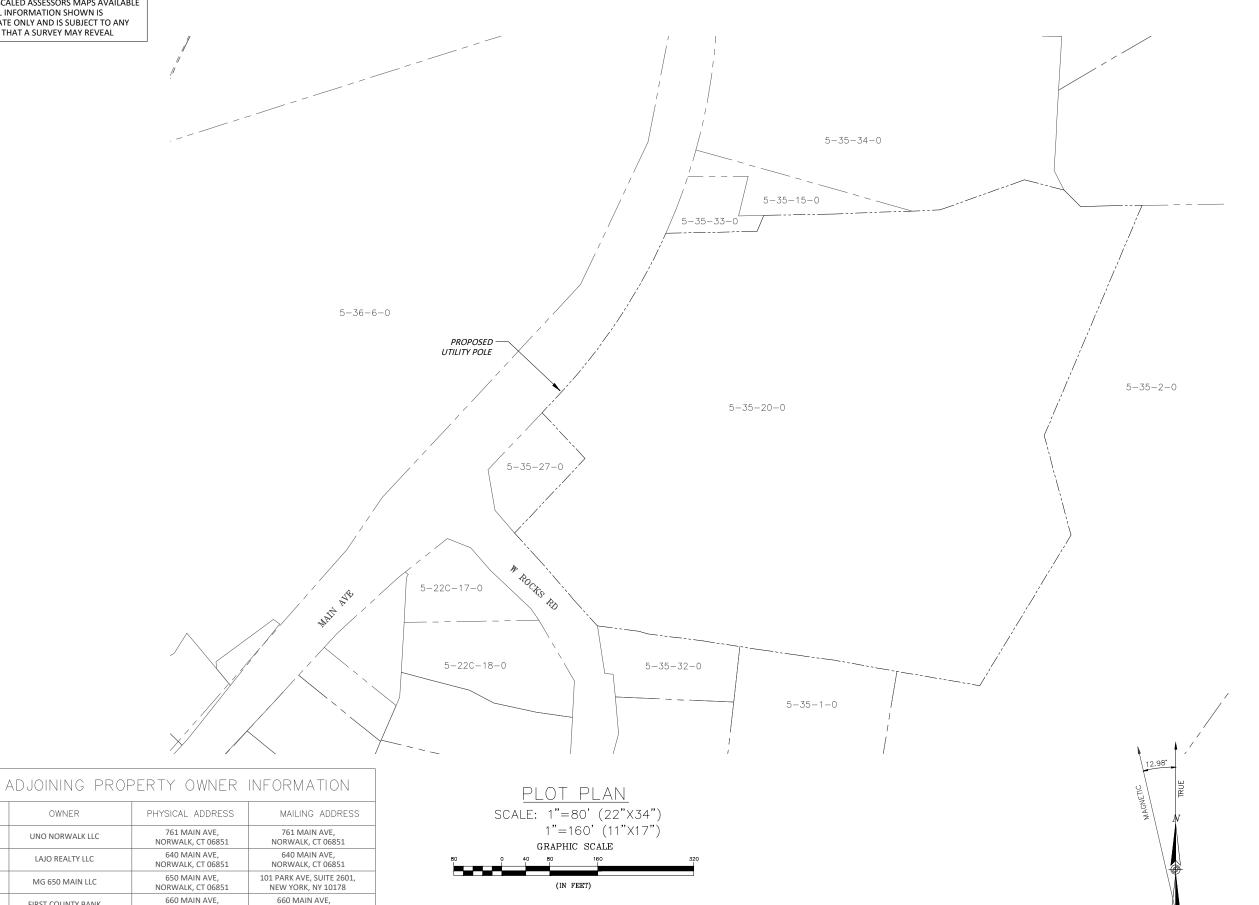
OWNER

FIRST COUNTY BANK

NORWALK, CT 06851

NORWALK, CT 06851

SITE PLAN IS NOT THE RESULT OF A SURVEY. IT IS BASED ON SCALED ASSESSORS MAPS AVAILABLE ONLINE, ALL INFORMATION SHOWN IS APPROXIMATE ONLY AND IS SUBJECT TO ANY CONDITION THAT A SURVEY MAY REVEAL







WEST BRIDGEWATER, MA 02379 PHONE: 781.713.4725

		REVISIONS
4	05/02/24	REVISED PER COMMENTS
3	04/08/24	REVISED PER COMMENTS
2	01/03/24	S&S FOR ZONING
1	12/20/23	REVISED PER COMMENTS
0	06/13/23	ISSUED FOR REVIEW
NO	DATE	DESCRIPTION

DESIGNED BY: APPROVED BY:





CLUSTER	&	NODE	#:
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TBD

AT&T SITE ID: CRAN_RCTB_A1CT_059

650 MAIN AVE NORWALK, CT 06851 FAIRFIELD COUNTY

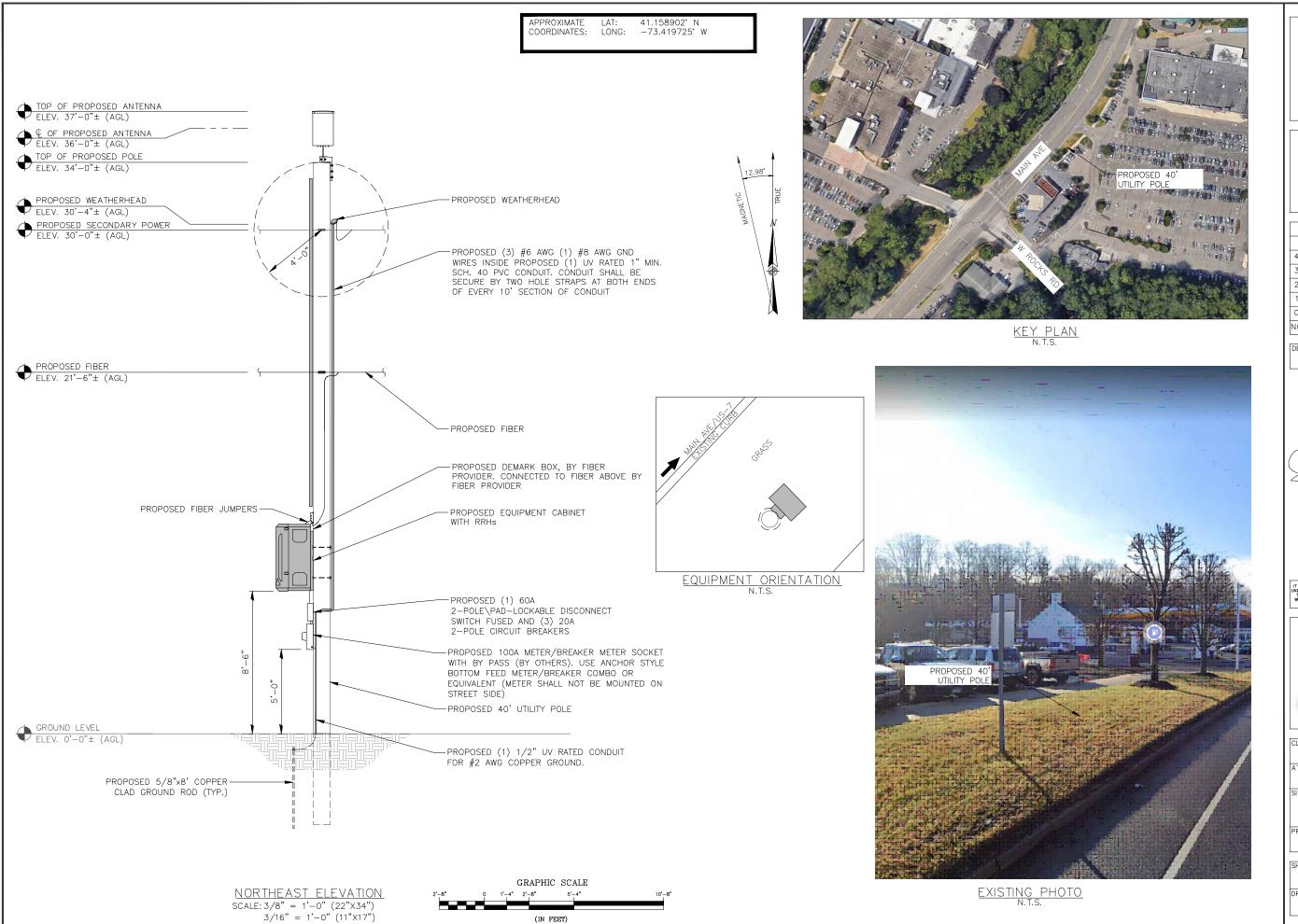
PROJECT TYPE:

UTILITY POLE

PLOT PLAN & ABUTTERS LIST

DRAWING #:

REVISION:





ROCKY HILL, CT 06067



750 W CENTER ST, SUITE 301 WEST BRIDGEWATER, MA 02379 PHONE: 781.713.4725

l							
	REVISIONS						
4	05/02/24	REVISED PER COMMENTS					
3	04/08/24	REVISED PER COMMENTS					
2	01/03/24	S&S FOR ZONING					
1	12/20/23	REVISED PER COMMENTS					
0	06/13/23	ISSUED FOR REVIEW					
NO	DATE	DESCRIPTION					

DESIGNED BY: APPROVED BY:





CLUSTER & NODE #:

AT&T SITE ID: CRAN_RCTB_A1CT_059

650 MAIN AVE NORWALK, CT 06851 FAIRFIELD COUNTY

PROJECT TYPE:

UTILITY POLE

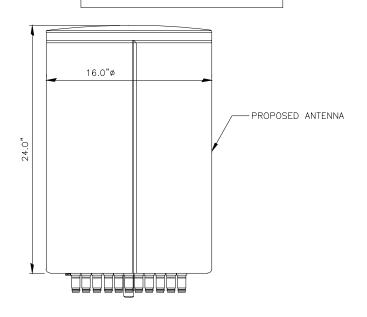
ELEVATION & KEY PLAN

DRAWING #:

REVISION:

ANTENNA CHART					
MFG	MODEL	Н	D	WEIGHT	VOLUME
GALTRONICS	GQ2418-B6941 (OR EQUAL)	24.0"	16.0"	25.6 LBS.	2.34CU. FT.

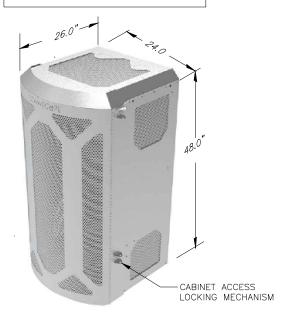
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.



ANTENNA DETAIL N.T.S.

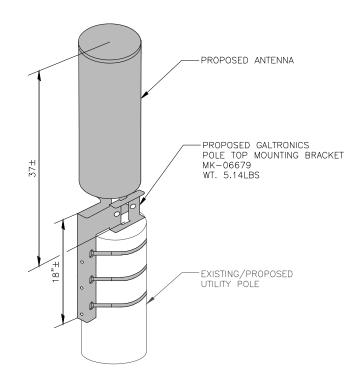
EQUIPMENT CABINET						
MFG	MODEL	Н	W	D	WEIGHT	VOLUME
COMMSCOPE	SSC-7602495 86X1X (OR EQUAL)	48.0"	24.0"	26.0"	100.0 LBS.	17.3 CU. FT.

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.



EQUIPMENT CABINET DETAIL N.T.S.

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

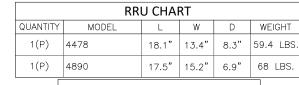


ANTENNA	MOUNT	DETAIL
	N.T.S.	

METER SOCKET						
MFG	MODEL	Τ	W	D	WEIGHT	VOLUME
MILBANK	U2272-RL -5T9-BL	18.5"	10.0"	4.8"	16.25 LBS.	.51 CU. FT.



METER SOCKET DETAIL N.T.S.



NOTE: MOUNT PER MANUFACTURER'S SPECIFICATIONS.



	S	AFETY	/ SWI	TCH		
MFG	MODEL	Н	W	D	WEIGHT	VOLUME
SQUARE D	D223NRB	17.5"	10.5"	6.5"	15.0 LBS.	.69 CU. FT.



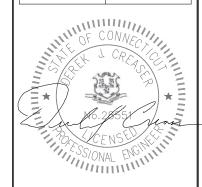
SAFETY SWITCH DETAIL N.T.S.





		REVISIONS
4	05/02/24	REVISED PER COMMENTS
3	04/08/24	REVISED PER COMMENTS
2	01/03/24	S&S FOR ZONING
1	12/20/23	REVISED PER COMMENTS
0	06/13/23	ISSUED FOR REVIEW
NO.	DATE	DESCRIPTION
	3 2 1	3 04/08/24 2 01/03/24 1 12/20/23 0 06/13/23

DESIGNED BY:	APPROVED BY:
TG	DC



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CLUSTER & NODE #:
" TBD
ATAT OITE ID
AT&T SITE ID:
CRAN_RCTB_A1CT_059

SITE ADDRESS:

650 MAIN AVE NORWALK, CT 06851 FAIRFIELD COUNTY

PROJECT TYPE:

UTILITY POLE

SHEET TITLE:

EQUIPMENT DETAILS

DRAWING #: A-2

REVISION:

ATTACHMENT 3



January 9, 2024



AT&T Mobility Corp. 500 Enterprise Drive Rocky Hill, CT 06067

Subject: Structural Analysis Report

AT&T Site ID: cRAN_RCTB_A1CT_059

Node FA #: 15890549

USID: 321996

Site Address: 650 Main Ave

Norwalk, CT 06851

To Whom It May Concern:

Centerline Communications completed a structural analysis to determine the structural integrity of the utility pole at the site referenced above.

Based on our analysis, Centerline Communications has determined the proposed pole stress level to be <u>adequate</u> to support the existing and proposed equipment. This analysis assumes wire type and estimates wire diameter using photos of the existing pole.

Proposed Equipment:

- (1) Galtronics GQ2418-B6941 Antennas (Weight= 25.6 lbs.)
- (1) Power Meter (Weight= 16.3 lbs.)
- (1) Disconnect (Weight= 15.0 lbs.)
- (1) Demarc (Weight= 2.0 lbs.)
- (1) CommScope SSC-760249586X1X (Weight= 100.0 lbs.)
- (1) 4478 RRU (Weight= 59.4 lbs.)
- (1) 4890 RRU (Weight= 68.0 lbs.)
- (1) Secondary Line
- (1) Fiber Line

Analysis Results: % Result Comments
Pole Stress Level with Existing and Proposed Equipment: 43.5 PASS N/A



Analysis Results Based Upon the Following Pole Conditions:

Existing Pole Height	Existing Pole	New Pole	New Pole	New Pole Height	New Guy Wires
Above Grade	Length/Class	Length/Class	Embedment	Above Grade	Required
34.0'	40/2	-	-	-	No

This evaluation was conducted in accordance with the 2017 National Electric Safety Code (NESC) construction standards and the 2021 IBC portion of the 2022 CT State Building Code.

Assumptions and Limitations:

- The utility pole and associated accessories are constructed in conformance with all applicable state and local building codes.
- The utility pole has been maintained in accordance with the manufacturer's specifications.
- The foundation/soil is acceptable.

Recommendations:

Centerline Communications recommends the following changes to the existing conditions in order for this analysis to be considered valid:

• Replace the existing pole with a new 40', Class 2, Southern Pine Pole with a 6.0' Embedment.

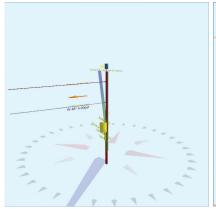
All Equipment proposed in this report shall be installed in accordance with the latest Centerline Communications Drawings.

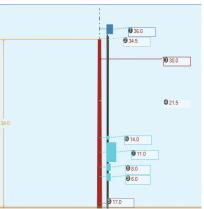
Should you have any questions, please do not hesitate to contact us.

Sincerely,

Derek Creaser, PE Director - A&E Services

Pole Num:	Pole Length / Class:		40 / 2	Code:	NESC	Structure Type:	Deadend	
Ву	AP	Species:	SOU	THERN PINE	NESC Rule:	Rule 250B	Status	Unguyed
Checked By	DC	Setting Depth	ng Depth (ft):		Construction Grade:	С	Pole Strength Factor:	0.85
Aux Data 3	Unset	G/L Circumfe	G/L Circumference (in):		Loading District:	Heavy	Transverse Wind LF:	1.75
Aux Data 4	Unset	G/L Fiber Stre	ess (psi):	8,000	Ice Thickness (in):	0.50	Wire Tension LF:	1.30
Aux Data 5	Unset	Allowable Str	ess (psi):	6,800	Wind Speed (mph):	39.53	Vertical LF:	1.90
Aux Data 6	Unset	Fiber Stress I	Ht. Reduc:	No	Wind Pressure (psf):	4.00		
Latitude:			0 Longit	ude:		Elevation:	OM	





Pole Capacity Util	ization (%)	Height (ft)	Wind Angle (deg)
Maximum	43.5	0.0	47.9
Groundline	43.5	0.0	47.9
Vertical	3.2	15.3	47.9

Pole Moments (ft-	b)	Load Angle (deg)	Wind Angle (deg)
Max Cap Util	44,163	47.9	47.9
Groundline	44,163	47.9	47.9
GL Allowable	102,391		

Groundline Load Summar	y - Reporting A	Angle Mode: L	oad - Reportii	ng Angle: 47.9)°					
	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)
Powers	464	23.9	13,963	31.6	13.6	926	27	0	926	13.6
Comms	1,040	53.5	22,428	50.8	21.9	1,487	44	0	1,487	21.9
GenericEquipments	142	7.3	2,615	5.9	2.6	173	544	5	178	2.6
Pole	200	10.3	3,484	7.9	3.4	231	2,192	19	250	3.7
Crossarms	97	5.0	1,658	3.8	1.6	110	81	1	111	1.6
Insulators	1	0.0	15	0.0	0.0	1	23	0	1	0.0
Pole Load	1,944	100.0	44,163	100.0	43.1	2,928	2,910	25	2,952	43.4
Pole Reserve Capacity			58,228		56.9	3,872			3,848	56.6

Load Summary by Owner	oad Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 47.9°														
	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)					
Existing	464	23.9	13,963	31.6	13.6	926	27	0	926	13.6					
AT&T	1,279	65.8	26,701	60.5	26.1	1,770	688	6	1,776	26.1					
Pole	200	10.3	3,484	7.9	3.4	231	2,192	19	250	3.7					
Proposed	1	0.0	14	0.0	0.0	1	4	0	1	0.0					
Totals:	1,944	100.0	44,163	100.0	43.1	2,928	2,910	25	2,952	43.4					

Detailed Load Components:

Detailed Load	Components:														
Power		Owner	Height (ft)	Horiz. Offset (in)	Cable Diameter (in)	Sag at Max Temp (ft)	Cable Weight (lbs/ft)	Lead/Span Length (ft)	Span Angle (deg)	Wire Length (ft)	Tension (lbs)	Tension Moment* (ft-lb)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Secondary	TRIPLEX 6 AWG	Existing	30.00	6.73	0.5800	0.39	0.113	36.0	48.0	36.0	357	13,948	15	0	13,963
											Totals:	13.948	15	0	13.963

Comm		Owner	Height (ft)	Horiz. Offset (in)	Cable Diameter (in)	Sag at Max Temp (ft)	Cable Weight (lbs/ft)	Lead/Span Length (ft)	Span Angle (deg)	Wire Length (ft)	Tension (lbs)	Tension Moment* (ft-lb)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Overlashed Bundle	1/4" EHS	AT&T	21.50	7.27	0.2500	0.10	0.121	36.0	48.0	36.0	800	22,401	12	0	22,413
Telco	BELOPTIX DT144 - 144 FIBERS - DIELECTRIC (0.756)	AT&T	21.46	7.27	0.7560		0.208	36.0	48.0	36.0			14	0	14
											Totals:	22,401	27	0	22,428

GenericEqui	pment	Owner	Height (ft)	Horiz. Offset (in)	Offset Angle (deg)	Rotate Angle (deg)	Unit Weight (lbs)	Unit Height (in)	Unit Depth (in)	Unit Diameter (in)	Unit Length (in)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Cylinder	GQ2418-B6941	AT&T	36.00	0.44	0.0	0.0	25.60	24.00		16.00		1	645	646
Box	Cabinet w/ RRU	AT&T	11.00	18.43	44.0	0.0	227.40	48.00	26.00		24.00	663	988	1,651
Box	Safety Switch	AT&T	8.00	8.87	44.0	0.0	15.00	17.50	6.50		10.50	21	114	135
Box	Meter	AT&T	6.00	8.15	44.0	0.0	16.25	18.50	4.80		10.00	21	86	107
Box	Demarc	AT&T	14.00	6.59	44.0	0.0	2.00	9.60	2.70		7.00	2	73	75
											Totals:	709	1,907	2,615

Crossarm		Owner	Height (ft)	Horiz. Offset (in)	Offset Angle (deg)	Rotate Angle (deg)	Unit Weight (lbs)	Unit Height (in)	Unit Depth (in)	Unit Length (in)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Normal	MK-06679 Mounting Bracket	AT&T	34.50	-0.02	0.0	0.0	5.14	12.00	2.00	2.04	0	65	65
Normal	Riser	AT&T	17.00	6.55	270.0	270.0	37.40	408.00	3.00	3.00	-29	1,621	1,593
									ſ	Totals:	-29	1,686	1,658

Insulator		Owner	Height (ft)	Horiz. Offset (in)	Offset Angle (deg)	Rotate Angle (deg)	Unit Weight (lbs)	Unit Diameter (in)	Unit Length (in)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Extension	Single Bolt	AT&T	35.00	3.34	93.5	0.0	5.00	3.00	0.10	0	1	1
Spool	Spool 3"	Proposed	30.00	0.00	48.0	48.0	2.00	3.00	3.19	0	14	14
Bolt	Single Bolt	AT&T	21.50	0.00	48.0	48.0	5.00	3.00	0.10	0	0	0
									Totals:	0	15	15

Pole Buckli	ing												
Buckling Constant	Buckling Column Height* (ft)	Buckling Section Height (% Buckling Col. Hgt.)	Buckling Section Diameter (in)	Minimum Buckling Diameter at GL (in)	Diameter at Tip (in)	Diameter at GL (in)	Modulus of Elasticity (psi)	Pole Density (pcf)	Ice Density (pcf)	Pole Tip Height (ft)	Buckling Load Capacity at Height (lbs)	Buckling Load Applied at Height (lbs)	Buckling Load Factor of Safety
2.00	15.27	32.36	11.63	5.20	7.96	12.26	1.60e+6	60.00	57.00	34.00	89,771	909.43	31.25

User:AshimPant AzureAD OCP:7.00 Includes Load Factor(s) Page 3 of 3 ² Worst Wind Per Guy Wire ³ Wind At 47.9°

ATTACHMENT 4

Existing Conditions Location 1



Proposed Conditions Location 1



Existing Conditions Location 2



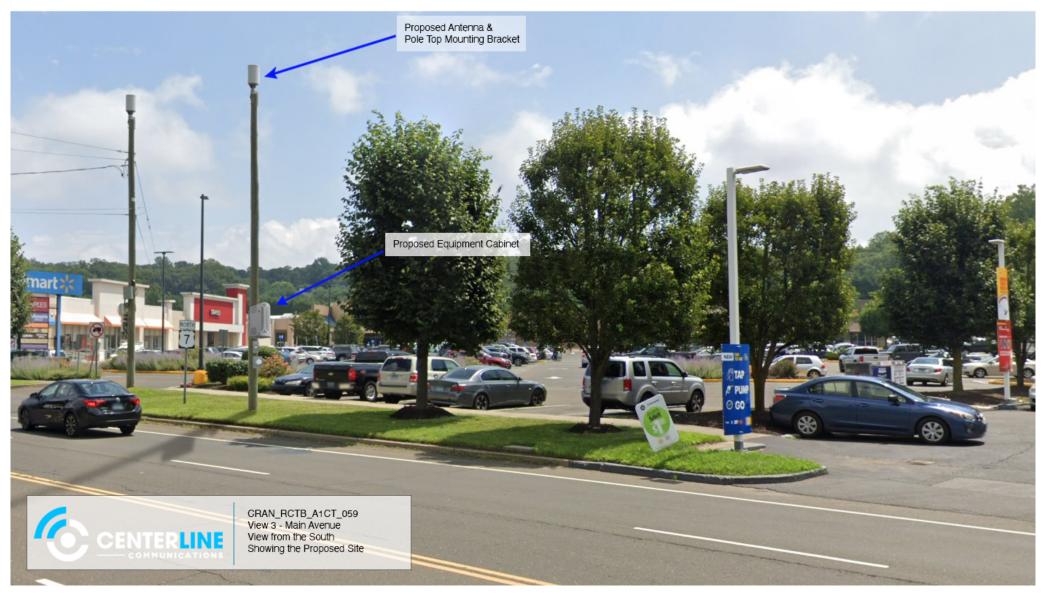
Proposed Conditions Location 2



Existing Conditions Location 3



Proposed Conditions Location 3



ATTACHMENT 5



Radio Frequency Exposure Analysis Report

December 26, 2023

AT&T

Site Name: cRAN_RCTB_A1CT_059
Site Number: cRAN_RCTB_A1CT_059

FA#: 15890549 USID: 321996

Site Address: 650 MAIN AVENUE, NORWALK, CT 06851



Michael Fischer, P.E.
Registered Professional Engineer (Electrical)
Connecticut License Number 33928
Expires January 31, 2024

Signed 26 December 2023

Site Compliance Summary

AT&T Compliance Status: Compliant

Cumulative Calculated Power Density (Ground Level): 4.68445 μW/cm²

Cumulative General Population % MPE (Ground Level): 0.88959%



December 26, 2023

Centerline Attn: Jilian Fancher, Site Acquisition Consultant 750 W Center Street, Suite 301 West Bridgewater, MA 02379

RF Exposure Analysis for Site: cRAN_RCTB_A1CT_059

Centerline was contracted to analyze the proposed AT&T facility at **650 MAIN AVENUE, NORWALK, CT 06851** for the purpose of determining whether the predictive exposure from the proposed facility is within specified federal limits.

All information used in this report was analyzed as a percentage of the Maximum Permissible Exposure (% MPE) limits as detailed in 47 CFR § 1.1310 as well as Federal Communications Commission (FCC) OET Bulletin 65 Edition 97-01. The FCC MPE limits are typically expressed in units of milliwatts per square centimeter (mW/cm²) or microwatts per square centimeter (μ W/cm²). The exposure limits vary depending upon the frequencies being utilized. The General Population/Uncontrolled MPE limit (in mW/cm²) for frequencies between 300 and 1500 is defined as frequency (in MHz) divided by 1500 ($f_{MHz}/1500$). Frequencies between 1500 and 100,000 MHz have a General Population/Uncontrolled MPE limit of 1 mW/cm² (1000 μ W/cm²). The calculated power density at each sample point divided by the limit at each calculated frequency provides a result in % MPE. Summing the calculated % MPE from all contributors provides a cumulative % MPE at a particular sample point. Wireless carriers use different frequency bands with varying MPE limits; therefore, it is useful to report results in terms of % MPE as opposed to power density.

All results were compared to the FCC radio frequency exposure rules as detailed in 47 CFR § 1.1307(b) to determine compliance with the MPE limits for General Population/Uncontrolled environments as defined below.

<u>General population/uncontrolled exposure</u> limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits, as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. Additional details can be found in FCC OET 65.



Calculation Methodology

Centerline has performed theoretical modeling of the site using a software tool, RoofMaster®, which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster® uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster® implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster® calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.



Data & Results

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster® to perform the theoretical exposure calculations at ground level.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level surrounding the site are displayed in the table below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table(s) below. The cumulative power density and cumulative % MPE are displayed at the bottom of the table(s) below.



<u>Maximum Calculated Cumulative Power Density @ Ground Level</u> (<u>Location: approximately 25' northeast of site)</u>

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (μW/cm²)	General Population MPE Limit (μW/cm²)	General Population % MPE
AT&T A 1	GALTRONICS GQ2418-B6941	700	1.22	36.00	4.00	30.00	158.92	0.12031	466.67	0.02578
AT&T A 1	GALTRONICS GQ2418-B6941	1900	5.08	36.00	4.00	30.00	386.53	0.03301	1000.00	0.00330
Verizon A 2	GENERIC CANTENNA	700	3.55	36.00	4.00	20.00	181.17	2.40446	466.67	0.51524
Verizon A 2	GENERIC CANTENNA	850	3.55	36.00	4.00	20.00	181.17	1.73400	566.67	0.30600
Verizon A 2	GENERIC CANTENNA	1900	7.85	36.00	4.00	20.00	487.63	0.20831	1000.00	0.02083
Verizon A 2	GENERIC CANTENNA	2100	7.55	36.00	4.00	20.00	455.08	0.18436	1000.00	0.01844
							Cumulative Power Density:	4.68445 μW/cm²	Cumulative % MPE:	0.88959%



Summary

The theoretical calculations performed for this analysis yielded cumulative power density totals in all areas at ground level that are within the allowable federal limits for public exposure to RF energy. Therefore, the site is **compliant** with FCC rules and regulations.

Katrina Styx RF EME Technical Writer Centerline

ATTACHMENT 6

CERTIFICATION OF SERVICE

I hereby certify that on May 20, 2024 a copy of the following notice of the intended filing of a Petition with the Connecticut Siting Council for a declaratory ruling was sent by certified mail, return receipt requested, to the list below:

Dated: May 20, 2024

Cuddy + Feder LLP

45 Hamilton Avenue, 14th Floor White Plains, New York 10601

Attorneys for:

New Cingular Wireless PCS, LLC (AT&T)

State

Sta	
THE HONORABLE WILLIAM TONG	DEPARTMENT OF ECONOMIC AND
ATTORNEY GENERAL	COMMUNITY DEVELOPMENT
OFFICE OF THE ATTORNEY GENERAL	DANIEL H. O'KEEFE, COMMISSIONER -
165 CAPITOL AVENUE	DESIGNATE
HARTFORD, CT 06106	450 COLUMBUS BLVD
	HARTFORD, CT 06103
DEPARTMENT OF PUBLIC HEALTH	PUBLIC UTILITIES REGULATORY
DR. MANISHA JUTHANI, MD,	AUTHORITY
COMMISSIONER	MARISSA P. GILLETT, CHAIRMAN
410 CAPITOL AVENUE	10 FRANKLIN SQUARE
HARTFORD, CT 06134	NEW BRITAIN, CT 06051
COUNCIL ON ENVIRONMENTAL QUALITY	DEPARTMENT OF TRANSPORTATION
PAUL ARESTA, EXECUTIVE DIRECTOR	GARRETT EUCALITTO, COMMISSIONER
79 ELM STREET, 6th FLOOR	2800 BERLIN TURNPIKE, P.O. BOX 317546
HARTFORD, CT 06106	NEWINGTON, CT 06131
DEPARTMENT OF ENERGY &	DEPARTMENT OF AGRICULTURE
ENVIRONMENTAL PROTECTION	BRYAN P. HURLBURT, COMMISSIONER
KATIE DYKES, COMMISSIONER	450 COLUMBUS BOULEVARD
79 ELM STREET	SUITE 701
HARTFORD, CT 06106	HARTFORD, CT 06103
	-
OFFICE OF POLICY AND MANAGEMENT	SECRETARY OF THE STATE
JEFFREY R. BECKHAM, SECRETARY	STEPHANIE THOMAS
450 CAPITOL AVENUE	165 CAPITOL AVENUE, SUITE 1000
HARTFORD, CT 06106	P.O. BOX 150470
	HARTFORD, CT 06106
WESTERN CONNECTICUT COUNCIL OF	DEPARTMENT OF EMERGENCY SERVICES
GOVERNMENTS	& PUBLIC PROTECTION
1 RIVERSIDE ROAD	DIVISION OF EMERGENCY
SANDY HOOK, CT 06482	MANAGEMENT AND HOMELAND

	SECURITY
	RONNELL A. HIGGINS, COMMISSIONER
	1111 COUNTRY CLUB ROAD
	MIDDLETOWN, CT 06457
STATE HISTORIC PRESERVATION OFFICE	STATE REPRESENTATIVE- 142 nd DISTRICT
DEPARTMENT OF ECONOMIC AND	LUCY DATHAN
COMMUNITY DEVELOPMENT	LEGISLATIVE OFFICE BUILDING
450 COLUMBUS BLVD., 5 TH FLOOR	300 CAPITOL AVENUE
HARTFORD, CT 06103	ROOM 4047
	HARTFORD, CT 06106
	,
STATE SENATOR – 25 TH DISTRICT	STATE REPRESENTAIVE – 143 RD DISTRICT
BOB DUFF	DOMINQUE JOHNSON
LEGISLATIVE OFFICE BUILDING	LEGISLATIVE OFFICE BUILDING
300 CAPITOL AVENUE	300 CAPITOL AVENUE
ROOM 3300	ROOL 4006
HARTFORD, CT 06106	HARTFORD, CT 06106

Federal

FEDERAL COMMUNICATIONS	FEDERAL AVIATION ADMINISTRATION
COMMISSION	800 INDEPENDENCE AVENUE, SW
45 L STREET NE	WASHINGTON, DC 20591
WASHINGTON, DC 20554	
U.S. SENATOR CHRIS MURPHY	U.S. SENATOR RICHARD BLUMENTHAL
COLT GATEWAY	90 STATE HOUSE SQUARE, 10TH FLOOR
120 HUYSHOPE AVENUE	HARTFORD, CT 06103
SUITE 401	
HARTFORD, CT 06106	
U.S. CONGRESSMAN – 4 TH DISTRICT	
JIM HIMES	
888 WASHINGTON BOULEVARD	
10 TH FLOOR	
STAMFORD, CT 06901	

City of Norwalk

<u>~</u>	
HARRY W. RILLING, MAYOR	STEVEN KLEPPIN, DIRECTOR OF
CITY OF NORWALK	PLANNING AND ZONING DEPARTMENT
125 EAST AVENUE	125 EAST AVENUE
NORWALK, CT 06856	ROOM 129
	NORWALK, CT 06856
BRYAN BAKER, PLANNING AND ZONING	RICHARD MCQUAID, TOWN CLERK
COMMISSION	125 EAST AVE.
125 EAST AVE	ROOM 102
ROOM 129	NORWALK, CT 06856
NORWALK CITY HALL	
NORWALK, CT 06856	

TAMMY MALDONADO, ZONING	ALEXIS CHERICHETTI, SENIOR
ENFORCEMENT OFFICER	ENVIRONMENTAL OFFICER
ZONING BOARD OF APPEALS	CONSERVATION OFFICER
ROOM 129	125 EAST AVE
NORWALK CITY HALL	NORWALK, CT 06856
PO BOX 5125	
NORWALK, CT 06856	
IRENE DIXON, CITY CLERK	
CITY OF NORWALK	
125 EAST AVE.	
NORWALK, CT 06856	

Town of Wilton

TONI BOUCHER, FIRST SELECTMAN TOWN HALL 238 DANBURY ROAD WILTON, CT 06897	MICHAEL WRINN, DIRECTOR OF PLANNING & LAND USE MANAGEMENT/TOWN PLANNER TOWN ANNEX 238 DANBURY ROAD WILTON, CT 06897
TIMOTHY BUNTING, ZONING ENFORCEMENT OFFICER TOWN ANNEX 238 DANBURY ROAD WILTON, CT 06897 PLANNING AND ZONING COMMISSION	MIKE CONKLIN, INLAND AND WETLAND COMMISSION TOWN HALL 238 DANBURY ROAD WILTON, CT 06897 LORI KABACK, TOWN CLERK
WILTON TOWN HALL 238 DANBURY ROAD WILTON, CT 06897	238 DANBURY ROAD WILTON, CT 06897

NOTICE

Notice is hereby given, pursuant to Section 16-50j-40(a) of the Regulations of Connecticut State Agencies of a Petition being filed with the Connecticut Siting Council ("Siting Council") on or after May 22, 2024 by New Cingular Wireless PCS, LLC ("AT&T"). AT&T seeks a declaratory ruling that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a new "small cell" wireless telecommunications facility on a new pole within the public right-of-way.

The proposed telecommunications facility will be in the public right-of-way located adjacent to 650 Main Avenue, Norwalk, Connecticut. AT&T proposes to install an approximately 40'-tall Class 2 utility pole. The proposed pole will stand approximately 34'0"-tall above grade level ("AGL"). AT&T proposes to mount a small cell antenna to the top of the new utility pole at a centerline height of 36'0"AGL with a total height of 37'0" AGL to the top of the antennas and mount. A new equipment cabinet is also proposed on the top of the pole.

The Petition will provide additional details of the proposal and explain why AT&T submits that this proposed small cell facility presents no significant adverse environmental effects. The location, height, and other features of the proposal are subject to review and potential change under the provisions of Connecticut General Statutes Sections 16-50g *et. seq.*

Copies of the Petition will be on file with the following on or after May 22, 2024:

Connecticut Siting Council 10 Franklin Square New Britain, Connecticut 06051 City and City Clerk City of Norwalk 125 East Avenue Norwalk, CT 06851

Town and Town Clerk Town of Wilton 238 Danbury Road Wilton, CT 06897

or the offices of the undersigned. A copy of the Petition will also be available on the Connecticut Siting Council website: https://www.ct.gov/cSc/site/default.asp under Pending Matters. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

Daniel Patrick, Esq. Lucia Chiocchio, Esq. Cuddy + Feder LLP 445 Hamilton Ave, 14th Floor White Plains, New York 10601 (914) 761-1300 Attorneys for the Petitioner

CERTIFICATION OF SERVICE

I hereby certify that on May 20, 2024 a copy of the following letter and notice of the intended filing of a Petition with the Connecticut Siting Council for a declaratory ruling was sent by certified mail, return receipt requested, to the attached list of abutting property owners:

Dated: May 20, 2024

Cuddy + Feder LLP
45 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Attorneys for:
New Cingular Wireless PCS, LLC (AT&T)

New Cingular Wireless PCS, LLC (AT&T)

UNO NORWALK LLC	LAJO REALTY LLC
761 MAIN AVE	640 MAIN AVE
NORWALK, CT 06851	NORWALK, CT 06851
MG 650 MAIN LLC	MG 650 MAIN LLC
650 MAIN AVE	101 PARK AVE
NORWALK, CT 06851	SUITE 2601
	NEW YORK, NY 10178
FIRST COUNTY BANK	
660 MAIN AVE	
NORWALK, CT 06851	

May 20, 2024

VIA CERTIFIED MAIL/ RETURN RECEIPT REQUESTED

Re: New Cingular Wireless PCS, LLC ("AT&T")

Installation of A Small Cell Wireless Telecommunication Facility

650 Main Avenue, Norwalk, Connecticut

Dear Sir or Madam:

We are writing to you on behalf of our client New Cingular Wireless PCS, LLC ("AT&T") with respect to the above referenced matter and our client's intent to file a petition for a declaratory ruling with the State of Connecticut Siting Council for approval to install a small cell wireless telecommunication facility on a new pole (the "Facility") in the public right-of-way near the above-captioned property.

State law requires that record owners of property abutting a parcel on which a facility is proposed be sent notice of an applicant's intent to file a petition with the Siting Council.

Included with this letter please find a Notice of this submission and details of the proposal. The location, height and, other features of the Facility are subject to review and potential change by the Connecticut Siting Council under the provisions of Connecticut General Statutes §16-50g *et seq*.

If you have any questions concerning this petition, please contact the Connecticut Siting Council or the undersigned after May 22, 2024 which is the date that the petition is expected to be on file.

Very truly yours,

Daniel Patrick

Enclosure

cc: Lucia Chiocchio, Esq., Cuddy + Feder LLP

NOTICE

Notice is hereby given, pursuant to Section 16-50j-40(a) of the Regulations of Connecticut State Agencies of a Petition being filed with the Connecticut Siting Council ("Siting Council") on or after May 22, 2024 by New Cingular Wireless PCS, LLC ("AT&T"). AT&T seeks a declaratory ruling that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a new "small cell" wireless telecommunications facility on a new pole within the public right-of-way.

The proposed telecommunications facility will be in the public right-of-way located adjacent to 650 Main Avenue, Norwalk, Connecticut. AT&T proposes to install an approximately 40'-tall Class 2 utility pole. The proposed pole will stand approximately 34'0"-tall above grade level ("AGL"). AT&T proposes to mount a small cell antenna to the top of the new utility pole at a centerline height of 36'0"AGL with a total height of 37'0" AGL to the top of the antennas and mount. A new equipment cabinet is also proposed on the pole.

The Petition will provide additional details of the proposal and explain why AT&T submits that this proposed small cell facility presents no significant adverse environmental effects. The location, height, and other features of the proposal are subject to review and potential change under the provisions of Connecticut General Statutes Sections 16-50g *et. seq.*

Copies of the Petition will be on file with the following on or after May 22, 2024:

Connecticut Siting Council 10 Franklin Square New Britain, Connecticut 06051 City and Town Clerk City of Norwalk 125 East Avenue Norwalk, CT 06851

Town and Town Clerk Town of Wilton 238 Danbury Road Wilton, CT 06897

or the offices of the undersigned. A copy of the Petition will also be available on the Connecticut Siting Council website: https://www.ct.gov/cSc/site/default.asp under Pending Matters. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

Daniel Patrick, Esq. Lucia Chiocchio, Esq. Cuddy + Feder LLP 445 Hamilton Ave, 14th Floor White Plains, New York 10601 (914) 761-1300 Attorneys for the Petitioner

ABUTTERS LIST

Parcel ID	Owner Name	Site Address	Mailing Address	City	State	Zip
5/36/6/0	UNO NORWALK LLC	761 MAIN AVE,	761 MAIN AVE	NORWALK	CT	06851
		NORWALK				
5/35/27/0	LAJO REALTY LLC	640 MAIN AVE,	640 MAIN AVE	NORWALK	CT	06851
		NORWALK				
5/35/20/0	MG 650 MAIN LLC	650 MAIN AVE,	101 PARK AVE, SUITE	NEW YORK	NY	10178
		NORWALK	2601			
5/35/33/0	FIRST COUNTY BANK	660 MAIN AVE,	660 MAIN AVE	NORWALK	CT	06851
		NORWALK				

