



June 23, 2022

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Exempt Modification Application – AT&T Site 13958547
AT&T Mobility Telecommunications Facility @ 438 Bridgeport Ave, Milford CT 06460

Dear Ms. Bachman,

New Cingular Wireless (“AT&T”) desires to modify an existing wireless telecommunications facility at the above referenced address. Enclosed please find a check in the amount of Six Hundred and Twenty Five Dollars (\$625.00); an original and two (2) copies of the following documents: the CSC Exempt Modification letter; a Letter of Authorization from tower owner; GIS data and property map; a set of Construction Drawings; a Structural Analysis Report; an Antenna Mount Analysis Report; an EME Study Report; the Original Tower Approval; and four (4) Notice Confirmations.

I will email copies of these documents to the Council.

If you have any questions, please feel free to contact me; I can be reached at 443-677-0144 or via email at jmandrews@clinellc.com. Thank you for your kind cooperation in this matter

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Jack Andrews', is written over the printed name.

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046
443-677-0144



June 15, 2022

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Exempt Modification Application – AT&T Site 13958547
AT&T Mobility Telecommunications Facility @ 438 Bridgeport Ave, Milford CT 06460

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the attached Construction Drawings:

- Remove twelve (12) antennas, nine (9) RRHs, six (6) TMAs, three (3) combiners, three (3) squids, two (2) fiber trunks, two (2) conduits, six (6) DC trunks, and twelve (12) coax cables;
- Install twelve (12) antennas, twelve (12) RRHs, three (3) squids, two (2) fiber trunks, eight (8) DC trunks, one (1) cable, six (6) coax cables and one (1) conduit.

Please accept this letter as notification pursuant to R.C.S.A §16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A §16-50j-72(b)(2), and as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of AT&T's intent to modify a telecommunications facility pursuant to R.C.S.A. 16-50j-88. In accordance with R.C.S.A §16-50j-73, a copy of this letter is being sent to the following individuals: American Tower Corporation as Tower Operator/Owner; Genevieve Charchenko as Property Owner; the Honorable Benjamin G. Blake, Mayor of Milford, and David B. Sulkis, Milford City Planner. The tower was originally approved by the Council in Docket Number 44, on July 24, 1984, a copy of which is enclosed.

The applicant's proposal falls squarely within those activities explicitly provided for in R.C.S.A. §16-50j-89. Specifically:

1. The proposed modifications will NOT result in an increase in the height of the existing structure.
2. The proposed modifications will NOT require an extension of the site boundary.
3. The proposed modifications will NOT increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will NOT increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. Please see the RF emissions calculation for AT&T's modified facility enclosed herewith.

Jack Andrews, Zoning Manager 10130 Donleigh Drive, Columbia, MD 21046 (443) 677-0144
Centerline Communications • 750 W Center Street, Suite 301, W Bridgewater, MA 02379



5. The proposed modifications will NOT cause an ineligible change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading. Please see the structural analysis enclosed herewith.

For the foregoing reasons, AT&T respectfully requests that the Council approve this Exempt Modification request for this tower located at 438 Bridgeport Ave, Milford CT 06460. If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jack Andrews', is written over the printed name.

Jack Andrews
Zoning Manager, Centerline Communications
443-677-0144

Enclosures: Exhibit 1 – Letter of Authorization from tower owner
Exhibit 2 – Property Card and GIS
Exhibit 3 – Construction Drawings
Exhibit 4 – Structural Analysis Report
Exhibit 5 – Antenna Mount Analysis Report
Exhibit 6 – EME Study Report
Exhibit 7 – Four (4) Notice Confirmations

cc: American Tower Corporation - Tower Operator/Owner
Genevieve Charchenko - Property Owner
Honorable Benjamin G. Blake - Mayor of Milford
David B. Sulkis - Milford City Planner



LETTER OF AUTHORIZATION

SITE NO: See Site List Below

SITE NAME: See Site List Below

ADDRESS: See Site List Below

I, Margaret Robinson, Senior Counsel, US Tower Division on behalf of American Tower*, owner and/or operator of the tower facilities located at the addresses identified below (the "Tower Facilities"), do hereby authorize Centerline Communications, LLC ("Centerline"), its agents, successors and assigns, to act as American Tower's non-exclusive agent for the purpose of filing and securing any zoning, land-use, building permit and/or electrical permit application(s) and approvals of the applicable jurisdiction for and to conduct the construction of the installation of antennas and related telecommunications equipment owned and operated by AT&T on the Tower Facilities located at the addresses identified below. This installation shall not affect adjoining lands and will occur only within the areas leased or owned by American Tower.

American Tower understands that the applications may be denied, modified or approved with conditions. The above authorization is limited to the acceptance by American Tower of conditions related to American Tower's installations. Any such conditions of approval or modifications will not be effective unless approved in writing by American Tower.

The above authorization does not permit Centerline to modify or alter any existing permit(s) and/or zoning or land-use conditions or impose any additional conditions unrelated to American Tower's installations of telecommunications equipment without the prior written approval of American Tower.

Site Authorized:

ATC Project #	ATC Asset #	Address
13682691	302483	286 Beckley Road, Berlin, CT 06037
13682687	302469	1069 Connecticut Ave. Bridgeport, CT 06607
13682699	383598	1000 Truumball Ave. Bridgeport, CT 06606
13682693	302468	99 Meadow St. Harftford, CT 06114
13682696	370627	605 Willard Ave. Newington, CT 06111
13682689	370629	125 Washington Ave. North Haven, CT 06473
13683386	283418	50 Devine St. North Haven, CT 06473
13683396	88018	168 Catoona Lane, Stamford, CT 06902
13682841	243036	668 Jones Hill Rd. West Haven, CT 06516
13958523	283422	171 Short Beach Rd. Brandford, CT 06405
13958547	302516	438 Bridgeport Ave. Milford, CT 06460
13683394	302479	699 West St. Rocky Hill, CT 06067
13958510	302511	20 Post Office Lane. Westport, CT 06880





AMERICAN TOWER®
CORPORATION

Signature: _____

Margaret Robinson, Senior Counsel
US Tower Division

NOTARY BLOCK

COMMONWEALTH OF MASSACHUSETTS
County of Middlesex

This instrument was acknowledged before me by Margaret Robinson, Senior Counsel of American Tower (owner and/or operator of the above referenced Tower Facilities), personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same.

WITNESS my hand and official seal, this 22nd day of April, 2022.

NOTARY SEAL



GERARD T. HEFFRON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
August 9, 2024

Notary Public

My Commission Expires: August 9th, 2024

* American Tower as used herein is defined as American Tower Corporation and any of its affiliates or subsidiaries.

DOCKET NO. 44

AN APPLICATION SUBMITTED BY THE SOUTHERN : CONNECTICUT SITING
NEW ENGLAND TELEPHONE COMPANY FOR A :
CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY : COUNCIL
AND PUBLIC NEED FOR THE CONSTRUCTION,
MAINTENANCE AND OPERATION OF FACILITIES TO
PROVIDE CELLULAR SERVICE IN NEW HAVEN COUNTY : July 24, 1984

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut, revisions of 1958, revised to 1983, as amended, be issued to the Southern New England Telephone Company for the construction, operation, and maintenance of a telecommunications tower and associated equipment to provide cellular service at each of the following sites:

Jasudowich tract, Brushy Plain Road, Branford, Connecticut;
Town of Guilford tract, Tanner Marsh Road, Guilford, Connecticut;
Bridgeport Avenue, Milford, Connecticut;
Quagliaro tract, Farmdale Drive, Waterbury, Connecticut;
Pease Road, Woodbridge, Connecticut; and
Dwight Street, North Haven, Connecticut.

The facilities shall be constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions:

1. The towers including antennas shall be no taller than necessary to provide the proposed service and in no event shall exceed
 - a) 167' at the Branford site,
 - b) 167' at the Guilford site,
 - c) 117' at the Milford site,
 - d) 167' at the Waterbury site,
 - e) 167' at the Woodbridge site,
 - f) 167' at the North Haven site;
2. A fence not lower than eight feet shall surround each tower and its associated equipment;

3. The applicant or its successor shall notify the Council if and when directional antennas or any other equipment is added to any of these facilities;
4. The applicant or its successor shall permit, in accordance with representations made by it during the proceeding, public or private entities to share space on the facilities, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing;
5. Unless necessary to comply with condition number six, below, no lights shall be installed on any of these towers;
6. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations;
7. The applicant shall submit a development and management plan (D&M) for the Branford, Milford, Woodbridge, and North Haven sites pursuant to sections 16-50j-85 through 16-50j-87 of the regulations of state agencies, except that irrelevant items in section 16-50j-86 need only be identified as such. The D&M plans shall include appropriate evergreen screening of the sites, erosion control measures, reseeding plans, and tree removal plans. The applicant shall comply with the reporting requirements of section 16-50j-87 for all sites;
8. Construction activities shall take place during daylight working hours;
9. This decision and order shall be void and the towers and associated equipment approved herein shall be dismantled and removed, or reapplication for any new use shall be made to the Connecticut

Siting Council before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction;

10. This decision and order shall be void if all construction authorized is not completed within three years of the issuance of this decision.

Pursuant to section 16-50p of the General Statutes, we hereby direct that a copy of the opinion and decision and order be served on each person listed below. A notice of the issuance shall be published in the Hartford Courant, New Haven Register, and the Waterbury Republican.

The parties to this proceeding are

The Southern New England Telephone Company (Applicant)
Room 314
227 Church Street
New Haven, Connecticut 06506

ATTENTION: Mr. Peter J. Tyrrell (its attorney)
Senior Attorney

Town of Hamden represented by:
Peter F. Villano, Mayor
Shirley Gonzales, Town Planner
Mr. Hugh Manke, Esquire
Office of the Town Attorney
Memorial Town Hall
2372 Whitney Avenue
Hamden, Connecticut 06518

Inland Wetlands Agency represented by:
Town of Woodbridge
Robert J. Klancko
Chairman
Town Hall
11 Meeting House Lane
Woodbridge, Connecticut 06525

Town Plan and Zoning
Commission
Town of Woodbridge

represented by:

Norman Fineberg
Chairman
Town Hall
11 Meeting House Lane
Woodbridge, Connecticut 06525

The Honorable Peter M. Lerner
State Representative
State of Connecticut
House of Representatives
State Capitol
Hartford, Connecticut 06115

John Menta
Felicia Tencza

represented by:

Ms. Felicia Tencza
580 Gaylord Mountain Road
Hamden, Connecticut 06518

Ms. Renee Robinson
265 Blue Trail
Hamden, Connecticut 06518

(service waived)

Irene L. Wong
Edson H. Mount
Dr. & Mrs. H.M. Fiskio
Dr. & Mrs. Alexander Gottschalk

represented by:

Dr. & Mrs. Alexander Gottschalk
230 Six Rod Highway
Hamden, Connecticut 06518

The Sleeping Giant Park Association

represented by:

Mr. Dag Pfeiffer
President
Box 14
Quinnipiac College
Hamden, Connecticut 06518

West Rock Ridge Park Association

represented by:

Mr. William L. Dohney, Jr., D.D.S.
President
220 Mountain Road
Hamden, Connecticut 06514

Sierra Club

represented by:

Ms. M. Kim Yanoshick
Executive Director
Hartford Chapter
118 Oak Street
Hartford, Connecticut 06106

Quinnipiac College

represented by:

Mr. Richard A. Terry
President
Hamden, Connecticut 06518

Guilford Conservation Commission

represented by:

Ms. Carolyn K. Evans
Chairman
Town Hall
Park Street
Guilford, Connecticut 06437

Mrs. Barbara R. Peterson
Mary & Phil Faust
Anita L. & Richard M. Sullivan

represented by:

Anita L. & Richard M. Sullivan
315 Chestnut Lane
Hamden, Connecticut 06518

Mrs. Pauline H. Hoff

represented by:

Herbert L. Emanuelson, Jr.
Emanuelson and Wynne
205 Church Street
New Haven, Connecticut 06510

Hamden League of Women Voters

represented by:

Mrs. Sherrill Zoller
605 West Woods Road
Hamden, Connecticut 06518
(service waived)

Joan Rosenberg
230 Ridewood Avenue
Hamden, Connecticut 06517

Mr. & Mrs. Richard Sykes
110 Blue Trail
Hamden, Connecticut 06518

Thomas & Claudia Sullivan, Jr.
100 Blue Trail
Hamden, Connecticut 06518

Mr. William N. Pantalone
27 Pease Road
Woodbridge, Connecticut 06525

(service waived)

INTERVENORS

Metromedia TeleCommunications
Nutmeg Telecommunications, Inc.
CSI of New Haven
CSI of Stamford
Cellular Communications, Inc.
LIN Cellular Corp.
Cellular Mobile Services
Maxcell TeleCommunications, Inc.
Mobile Cellular Telephone, Inc.
Cellular Dynamics
Connecticut Corridor Cellular
Chase/Post Cellular

represented by:

Dwight A. Johnson
Murtha, Cullina, Richter
and Pinney
101 Pearl Street
P.O. Box 3197
Hartford, Connecticut 06103-0197

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 24th day of July, 1984.

<u>Council Members</u>	<u>Vote Cast</u>
_____) Gloria Dibble Pond Chairperson	Absent
_____) Commissioner John Downey Designee: Commissioner Peter G. Boucher	Absent
<i>Brian Emerick</i> _____) Commissioner Stanley Pac Designee: Brian Emerick	Yes Absent Abstain
<i>Owen L. Clark</i> _____) Owen L. Clark	Yes
<i>Fred J. Doocy</i> _____) Fred J. Doocy	Yes
<i>Mortimer A. Gelston</i> _____) Mortimer A. Gelston	Yes
<i>James G. Horsfall</i> _____) James G. Horsfall	Yes
_____) Janet Sitty	Absent
<i>Colin C. Tait</i> _____) Colin C. Tait Acting Chairperson	Yes


STATE OF CONNECTICUT
COUNTY OF HARTFORD

)
:
)

ss. New Britain, July 24, 1984

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

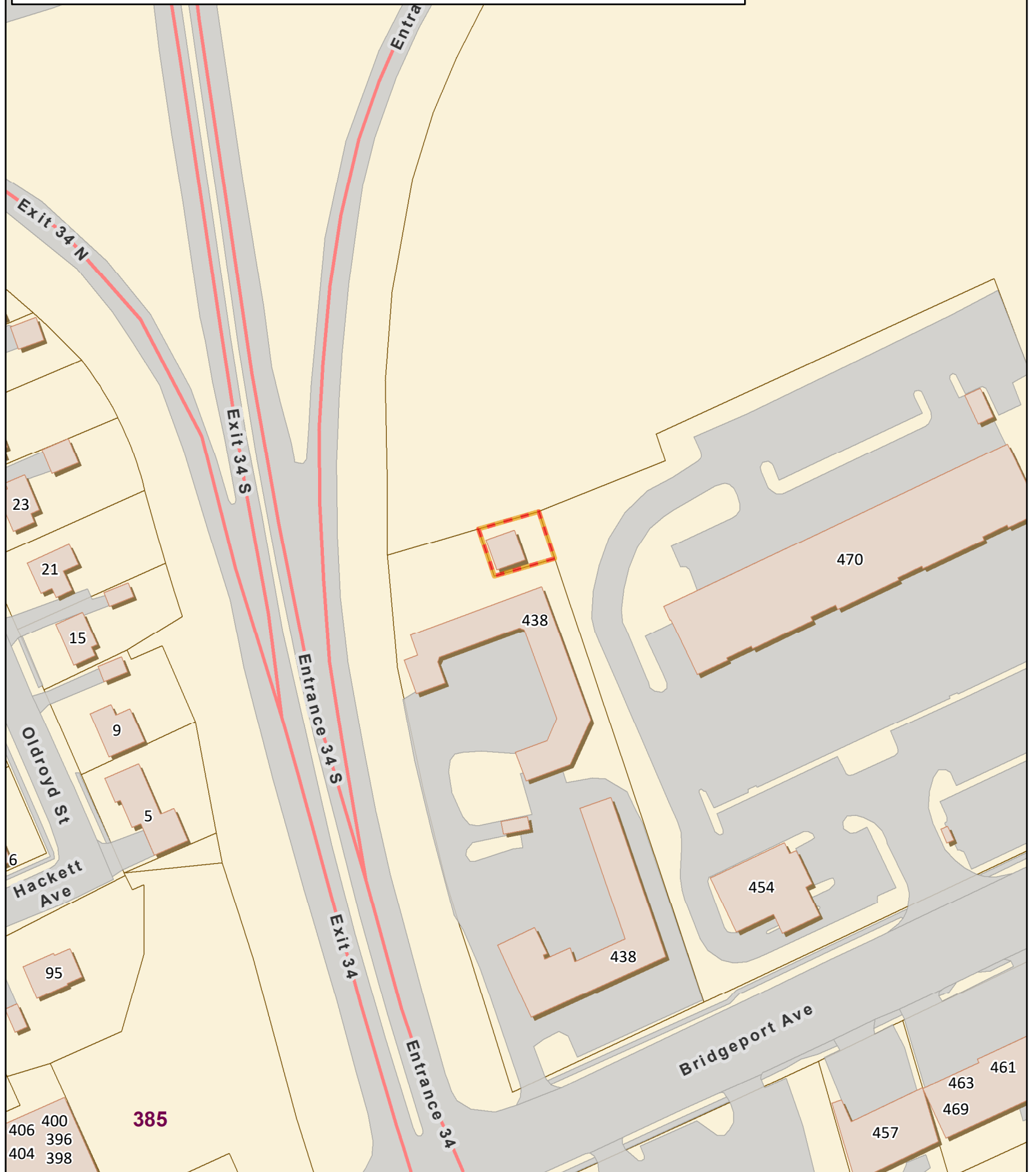

Christopher S. Wood, Executive Director
Connecticut Siting Council



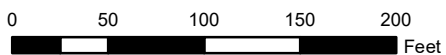
City of Milford, Connecticut. Assessment Parcel Map

Parcel ID: 4835

Address: 438 BRIDGEPORT AVE



1 inch = 100 feet



Disclaimer: This map is for informational purposes only All information is subject to verification by any user. The City of Milford and its mapping contractors assume no legal responsibility for the information contained herein.

Map Produced: December 2021



Property Search

Name: ex. Smith

House No:

Street:

Parcel Id: ex. 065 321 18

GO

Information Updates

GIS Parcel Maps Updated
 April 2019

Property Info Data Updated
 Nightly

Current Parcel Count
 19,363 +/-

Detailed Parcel Information

GIS ID
 024 385 3 A

Parcel ID
 024 385 3 A

Unique ID
 4835

Owner
 CHARCHENKO GENEVIEVE
 LIFE USE THEN TO

Location
 438 BRIDGEPORT AVE

MAILING ADDRESS
 C/O SPECTRASITE
 COMMUNICATIONS
 ATLANTA GA 31139



Quick Links: [Quick Map](#) [Summary Card](#) [VISION](#) [Assessor Tax Map](#) [FEMA Firm Panel](#)

Scroll Down For Complete Property Detail

PARCEL VALUATIONS

	Appraised Value	Assessed Value
Buildings	0	0
Land	35440	24810

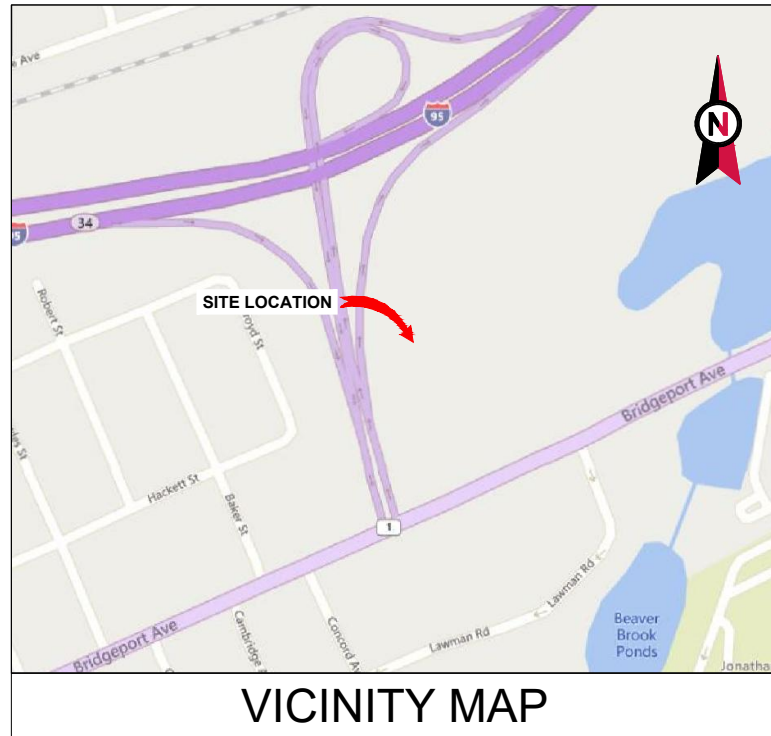
REPORT AN ISSUE

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Designed and hosted by **New England GeoSystems**



VICINITY MAP

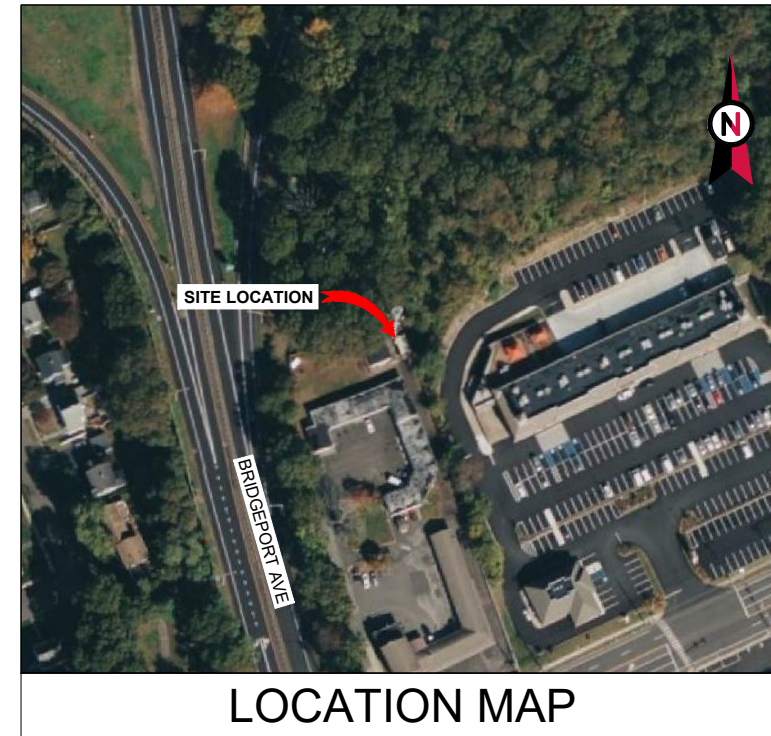


AMERICAN TOWER®

ATC SITE NAME: MLFD - MILFORD
 ATC SITE NUMBER: 302516
 AT&T PACE NUMBERS: MRCTB052123 MRCTB051380
 MRCTB050833 MRCTB051293
 MRCTB051246

AT&T SITE ID: CTL02111
 AT&T FA CODE: 10034978
 AT&T SITE NAME: MILFORD BRIDGEPORT AVE
 SITE ADDRESS: 438 BRIDGEPORT AVE
 MILFORD, CT 06460

**AT&T CBAND 4GHZ
 AMENDMENT PLAN**



LOCATION MAP



Colliers Engineering & Design

www.colliersengineering.com
 Doing Business as MASER CONSULTING
 STAMFORD
 1055 Washington Boulevard
 Stamford, CT 06901
 Phone: 203.324.0800
 COLLIERS ENGINEERING & DESIGN CT, P.C.
 DOING BUSINESS AS MASER CONSULTING

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MPT	3/30/22
B	PRELIM	JLK	04/12/22

ATC SITE NUMBER:
302516

ATC SITE NAME:
MLFD - MILFORD

AT&T SITE NAME:
MILFORD BRIDGEPORT AVE

SITE ADDRESS:
 438 BRIDGEPORT AVE
 MILFORD, CT 06460

SEAL:



DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

TITLE SHEET

SHEET NUMBER:
G-001

REVISION:
B

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. CT STATE BUILDING CODE, INCORPORATING THE 2018 INTERNATIONAL BUILDING CODE 2. 2017 NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 438 BRIDGEPORT AVE MILFORD, CT 06460 COUNTY: NEW HAVEN <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.20659842 LONGITUDE: -73.09337716 GROUND ELEVATION: 77' AMSL	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK:</u> REMOVE (12) ANTENNA(S), (9) RRH(S), (6) TMA(S), (3) COMBINER(S), (3) SQUID(S), (2) FIBER TRUNK(S), (2) CONDUIT(S), (6) DC TRUNKS AND (12) COAX CABLE(S) INSTALL (12) ANTENNA(S), (12) RRH(S), (3) SQUID(S), (8) DC TRUNK(S), (2) FIBER TRUNK(S), (1) CABLE(S), (6) COAX CABLE(S) AND (1) CONDUIT EXISTING (6) RRH(S), (2) FILTER(S) AND (1) CONDUIT(S) TO REMAIN	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	<u>PROJECT TEAM</u> <u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> COLLIERS ENGINEERING & DESIGN CT P.C. D/B/A MASER CONSULTING 1055 WASHINGTON BLVD STAMFORD, CT 06901 PROJECT #: 22904277A <u>PROPERTY OWNER:</u> DONNA WOLNIAKOWSKI 438 BRIDGEPORT AVE MILFORD, CT 06460	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).	G-001 TITLE SHEET G-002 GENERAL NOTES C-101 DETAILED SITE PLAN C-201 TOWER ELEVATION C-401 RF SCHEDULE AND ANTENNA INSTALLATION C-402 RF SCHEDULE AND ANTENNA INSTALLATION C-501 CONSTRUCTION DETAILS E-501 GROUNDING DETAILS R-601 SUPPLEMENTAL R-602 SUPPLEMENTAL R-603 SUPPLEMENTAL R-604 SUPPLEMENTAL				
<u>UTILITY COMPANIES</u> POWER COMPANY: UNKNOWN PHONE: N/A TELEPHONE COMPANY: UNKNOWN PHONE: N/A		<u>PROJECT LOCATION DIRECTIONS</u> FROM HARTFORD CT TAKE I-91 SOUTH TO I-95 SOUTH TO EXIT 34. TURN LEFT OFF THE EXIT THEN TAKE IMMEDIATE LEFT INTO THE DEVON MOTEL PARKING LOT. GO TO THE REAR RIGHT OF THE LOT FOR THE BEGINNING OF THE ACCESS ROAD.					



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GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, AT&T "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
 - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
 - B. AC/TELCO INTERFACE BOX (PPC)
 - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
 - D. TOWERS, MONOPOLES
 - E. TOWER LIGHTING
 - F. GENERATORS & LIQUID PROPANE TANK
 - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
 - H. ANTENNAS (INSTALLED BY OTHERS)
 - I. TRANSMISSION LINE
 - J. TRANSMISSION LINE JUMPERS
 - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
 - L. TRANSMISSION LINE GROUND KITS
 - M. HANGERS
 - N. HOISTING GRIPS
 - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF AT&T TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE AT&T REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE AT&T REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH AT&T AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T REP TO

- DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T SPECIFICATIONS AND REQUIREMENTS.
 24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
 26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
 27. CONTRACTOR SHALL NOTIFY AT&T REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
 28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
 29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
 30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE AT&T REP. ANY WORK FOUND BY THE AT&T REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
 31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
 32. AT&T FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
 33. AT&T OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO AT&T OR THEIR ARCHITECT/ENGINEER.

**SPECIAL CONSTRUCTION
ANTENNA INSTALLATION NOTES:**

1. WORK INCLUDED:
 - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY AT&T UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
 - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND AT&T SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
 - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
 - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
 - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
 - G. ANTENNA AND COAXIAL CABLE GROUNDING:
 2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
 3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MPT	3/30/22
B	PRELIM	JLK	04/12/22

ATC SITE NUMBER:
302516

ATC SITE NAME:
MLFD - MILFORD

AT&T SITE NAME:
MILFORD BRIDGEPORT AVE

SITE ADDRESS:
438 BRIDGEPORT AVE
MILFORD, CT 06460

SEAL:



DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

GENERAL NOTES

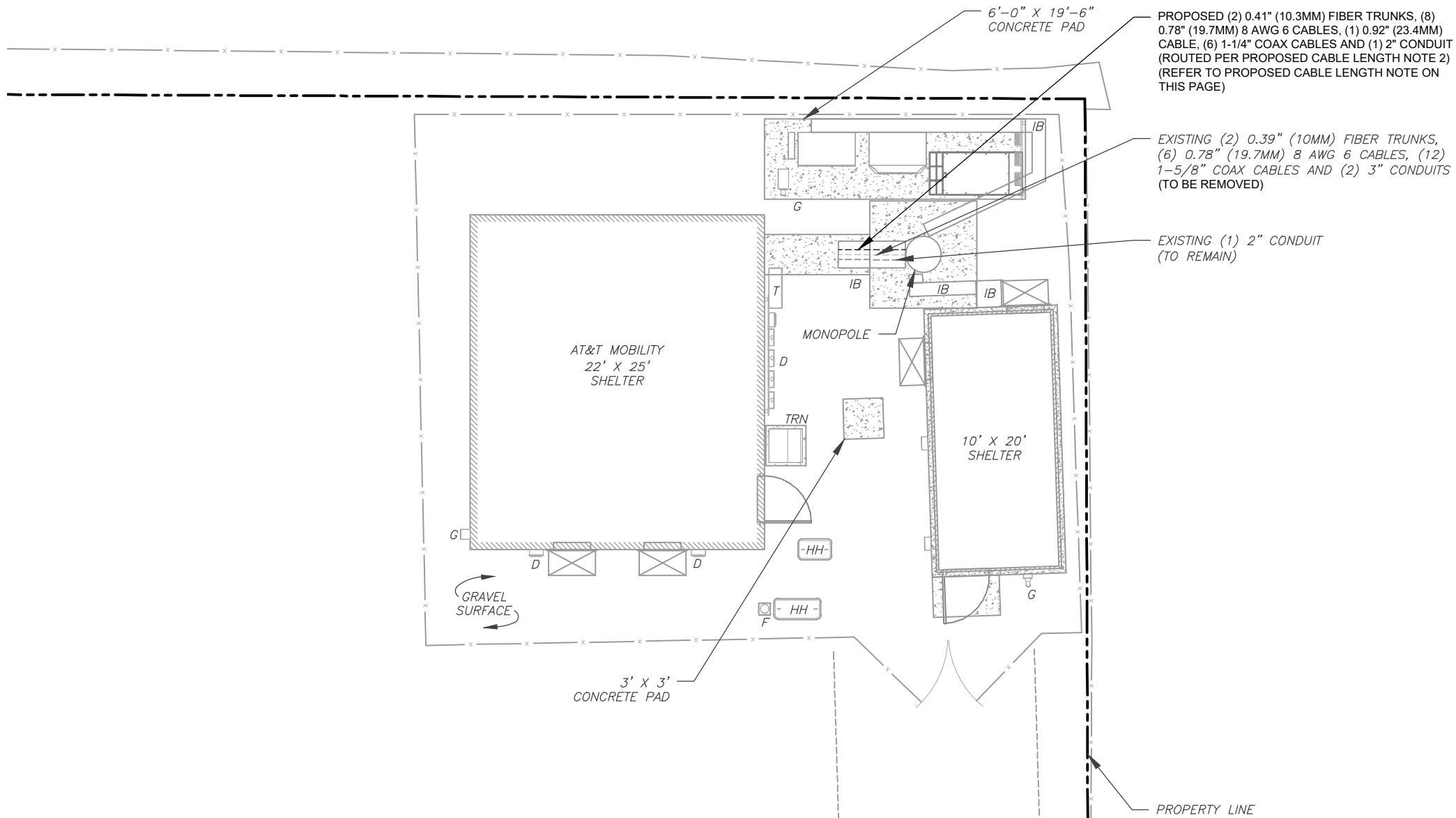
SHEET NUMBER: G-002	REVISION: B
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SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

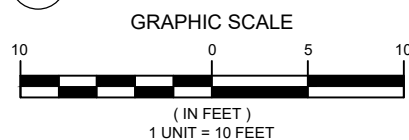
LEGEND	
⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
-x-	CHAINLINK FENCE



PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **160'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

1 DETAILED SITE PLAN



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MPT	3/30/22
B	PRELIM	JLK	04/12/22

ATC SITE NUMBER:
302516

ATC SITE NAME:
MLFD - MILFORD

AT&T SITE NAME:
MILFORD BRIDGEPORT AVE

SITE ADDRESS:
**438 BRIDGEPORT AVE
MILFORD, CT 06460**

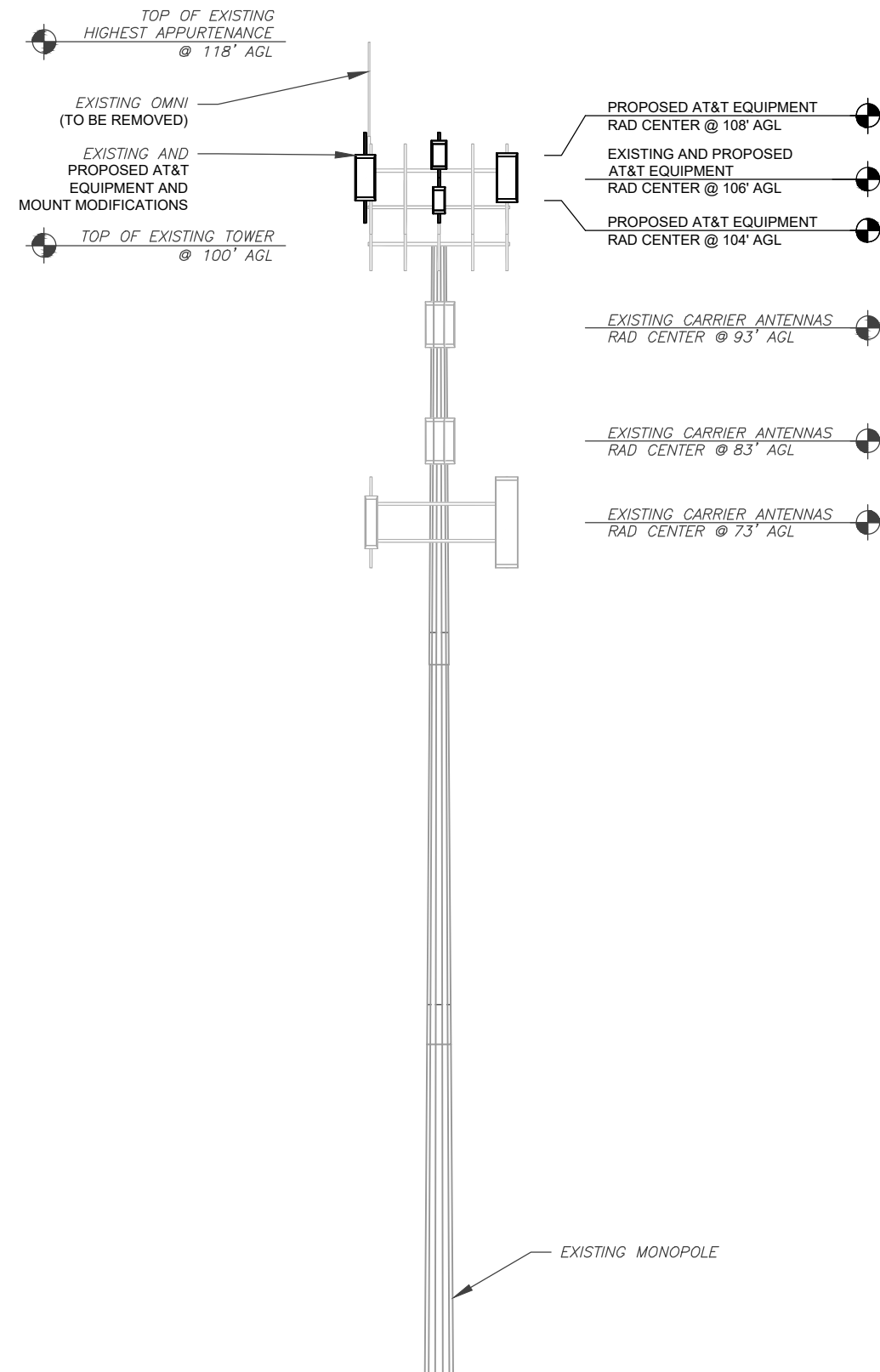
SEAL:



DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	B



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY TELAMON TOWER ENGINEERING PLLC, DATED 3/22/22, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

TOWER NOTE:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
- WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
- TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
- TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MPT	3/30/22
B	PRELIM	JLK	04/12/22

ATC SITE NUMBER:
302516

ATC SITE NAME:
MLFD - MILFORD

AT&T SITE NAME:
MILFORD BRIDGEPORT AVE

SITE ADDRESS:
438 BRIDGEPORT AVE
MILFORD, CT 06460

SEAL:



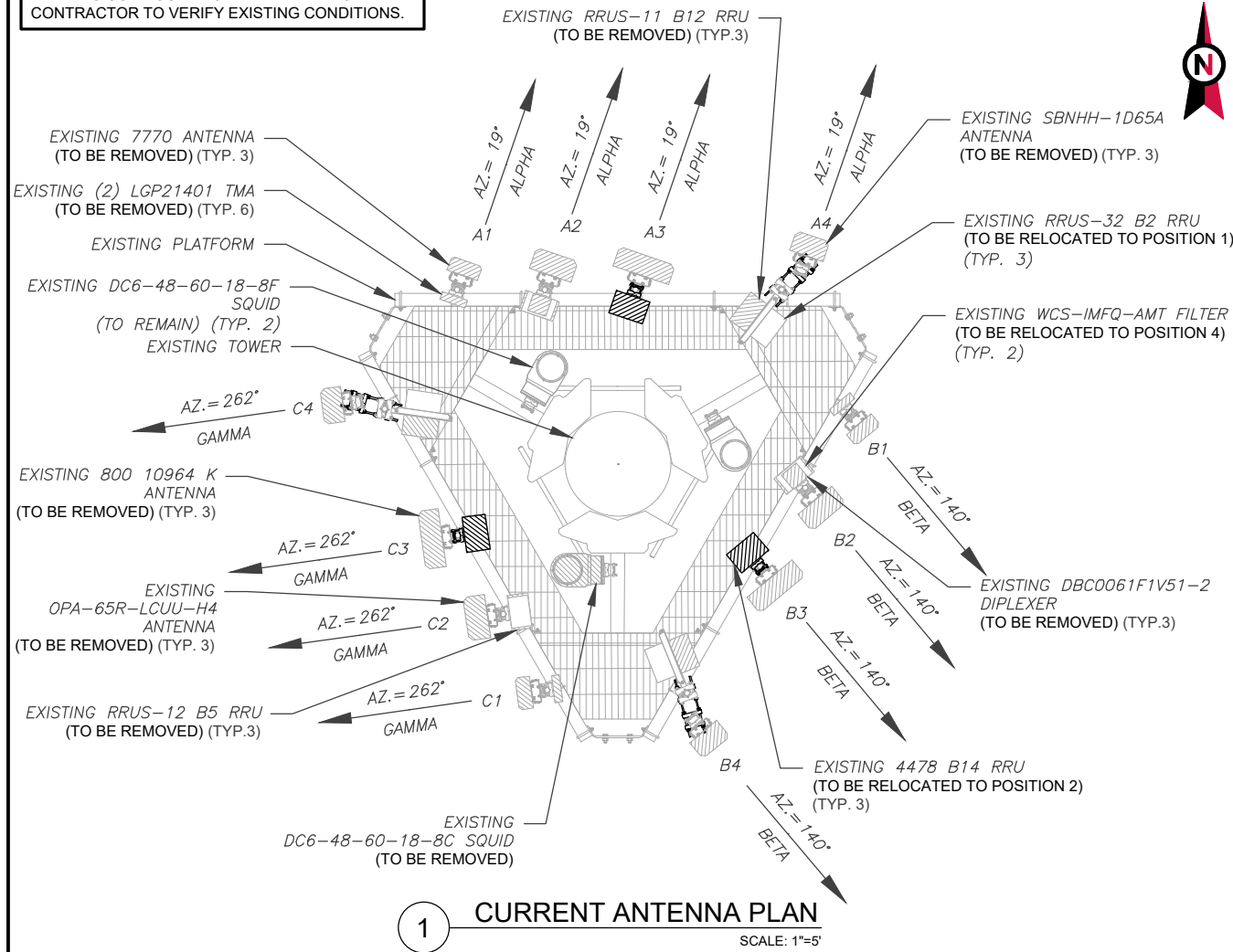
DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

TOWER ELEVATION

SHEET NUMBER: C-201	REVISION: B
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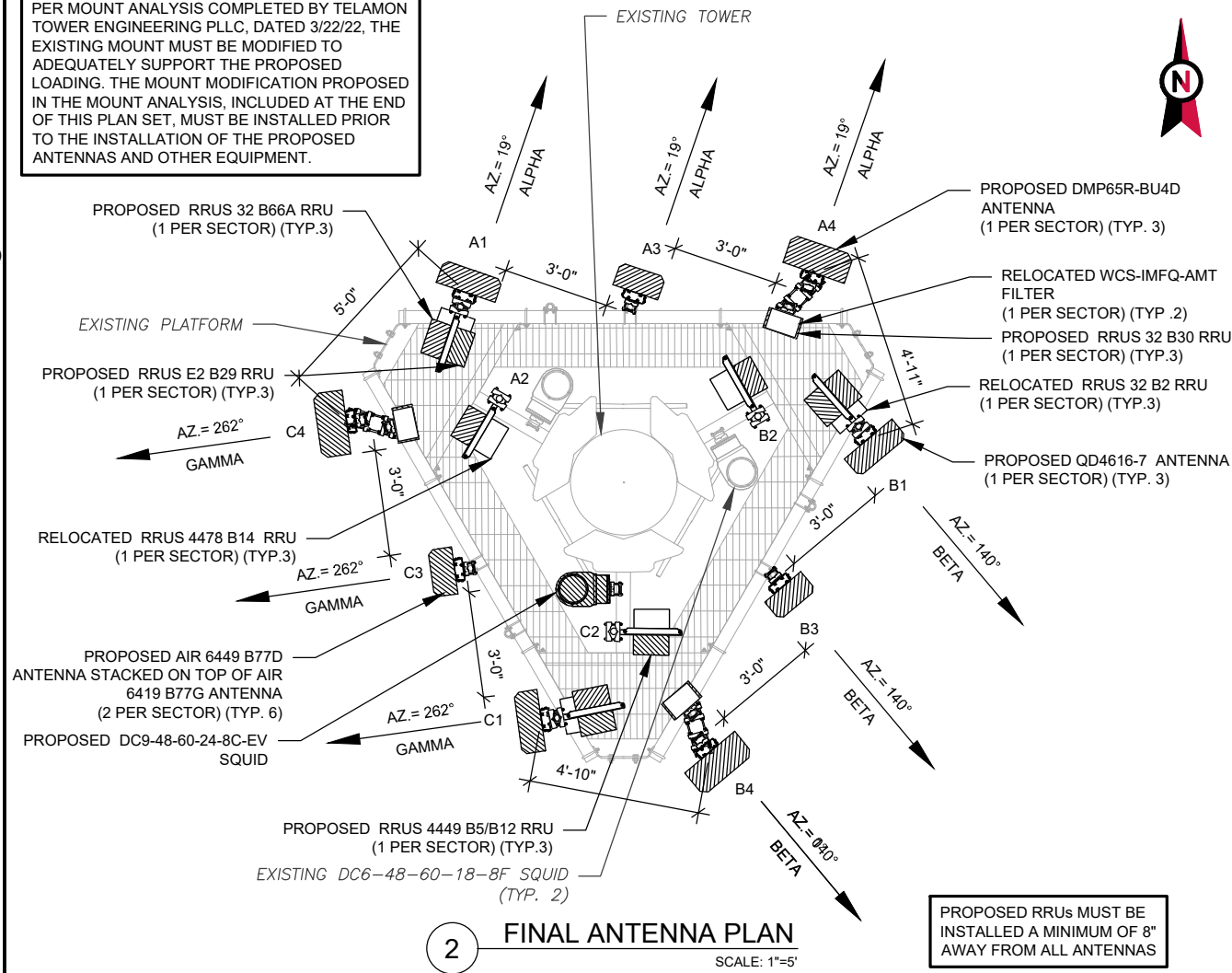
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EXISTING CONFIGURATIONS ARE BASED ON RFDS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.



1 CURRENT ANTENNA PLAN
SCALE: 1"=5'

PER MOUNT ANALYSIS COMPLETED BY TELAMON TOWER ENGINEERING PLLC, DATED 3/22/22, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



2 FINAL ANTENNA PLAN
SCALE: 1"=5'

PROPOSED RRUS MUST BE INSTALLED A MINIMUM OF 8" AWAY FROM ALL ANTENNAS

EXISTING ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	106'	19°	A1	7770	UMTS 850	RMV	(2) LGP21401	RMV
			A2	OPA-65R-LCUU-H4	LTE 850/ LTE700/ LTE WCS	RMV	DBC0061F1V51-2 WCS-IMFQ-AMT RRUS-12 B5	RMV RMN RMV
			A3	800 10964 K	LTE 700/ LTE AWS	RMV	4478 B14	REL
			A4	SBNHH-1D65A	LTE 700/ LTE 1900	RMV	RRUS-11 B12 RRUS-32 B2	RMV REL
BETA	106'	140°	B1	7770	UMTS 850	RMV	(2) LGP21401	RMV
			B2	OPA-65R-LCUU-H4	LTE 850/ LTE700/ LTE WCS	RMV	DBC0061F1V51-2 WCS-IMFQ-AMT RRUS-12 B5	RMV RMN RMV
			B3	800 10964 K	LTE 700/ LTE AWS	RMV	4478 B14	REL
			B4	SBNHH-1D65A	LTE 700/ LTE 1900	RMV	RRUS-11 B12 RRUS-32 B2	RMV REL
GAMMA	106'	262°	C1	7770	UMTS 850	RMV	(2) LGP21401	RMV
			C2	OPA-65R-LCUU-H4	LTE 850/ LTE700/ LTE WCS	RMV	DBC0061F1V51-2 WCS-IMFQ-AMT RRUS-12 B5	RMV RMN RMV
			C3	800 10964 K	LTE 700/ LTE AWS	RMV	4478 B14	REL
			C4	SBNHH-1D65A	LTE 700/ LTE 1900	RMV	RRUS-11 B12 RRUS-32 B2	RMV REL

STATUS ABBREVIATIONS
RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

- NOTES
- CONFIRM WITH AT&T REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
 - CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
 - THE ANTENNA ORIENTATION PLAN IS A SCHEMATIC. ATC DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANTENNA AZIMUTHS, MOUNT CONFIGURATIONS AND TOWER ORIENTATION. SCALES SHOWN ARE FOR REFERENCE ONLY AND EXISTING DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION AND NOTIFY ATC OF ANY DISCREPANCIES.
 - CONTRACTOR TO ENSURE PROPER SEPARATION IN ACCORDANCE WITH AT&T'S FIRSTNET REQUIREMENTS (SEE SHEET R-602)

FINAL ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	106'	19°	A1	QD4616-7	LTE 700/ LTE 1900/ LTE AWS/ 5G AWS/ 5G 1900	ADD	RRUS 32 B2 RRUS 32 B66A RRUS E2 B29	REL ADD ADD
			A2	-	-	-	RRUS 4478 B14 RRUS 4449 B5/B12	REL ADD
			A3	AIR 6449 B77D AIR 6419 B77G	5G CBAND 5G CBAND	ADD ADD	-	-
			A4	DMP65R-BU4D	LTE 700/ 5G 850/ LTE WCS	ADD	RRUS 32 B30 WCS-IMFQ-AMT	ADD REL
BETA	106'	140°	B1	QD4616-7	LTE 700/ LTE 1900/ LTE AWS/ 5G AWS/ 5G 1900	ADD	RRUS 32 B2 RRUS 32 B66A RRUS E2 B29	REL ADD ADD
			B2	-	-	-	RRUS 4478 B14 RRUS 4449 B5/B12	REL ADD
			B3	AIR 6449 B77D AIR 6419 B77G	5G CBAND 5G CBAND	ADD ADD	-	-
			B4	DMP65R-BU4D	LTE 700/ 5G 850/ LTE WCS	ADD	RRUS 32 B30 WCS-IMFQ-AMT	ADD REL
GAMMA	106'	262°	C1	QD4616-7	LTE 700/ LTE 1900/ LTE AWS/ 5G AWS/ 5G 1900	ADD	RRUS 32 B2 RRUS 32 B66A RRUS E2 B29	REL ADD ADD
			C2	-	-	-	RRUS 4478 B14 RRUS 4449 B5/B12	REL ADD
			C3	AIR 6449 B77D AIR 6419 B77G	5G CBAND 5G CBAND	ADD ADD	-	-
			C4	DMP65R-BU4D	LTE 700/ 5G 850/ LTE WCS	ADD	RRUS 32 B30	ADD

CABLE LENGTHS FOR JUMPERS
JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

3 EQUIPMENT SCHEDULES

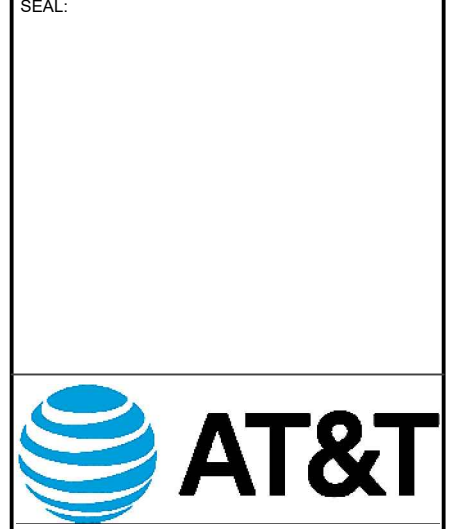
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MLFD - MILFORD
AT&T SITE NAME:
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SITE ADDRESS:
438 BRIDGEPORT AVE
MILFORD, CT 06460



DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

RF SCHEDULE AND ANTENNA INSTALLATION

SHEET NUMBER: C-401	REVISION: B
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SEAL:



DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

RF SCHEDULE AND ANTENNA INSTALLATION

SHEET NUMBER: C-402	REVISION: B
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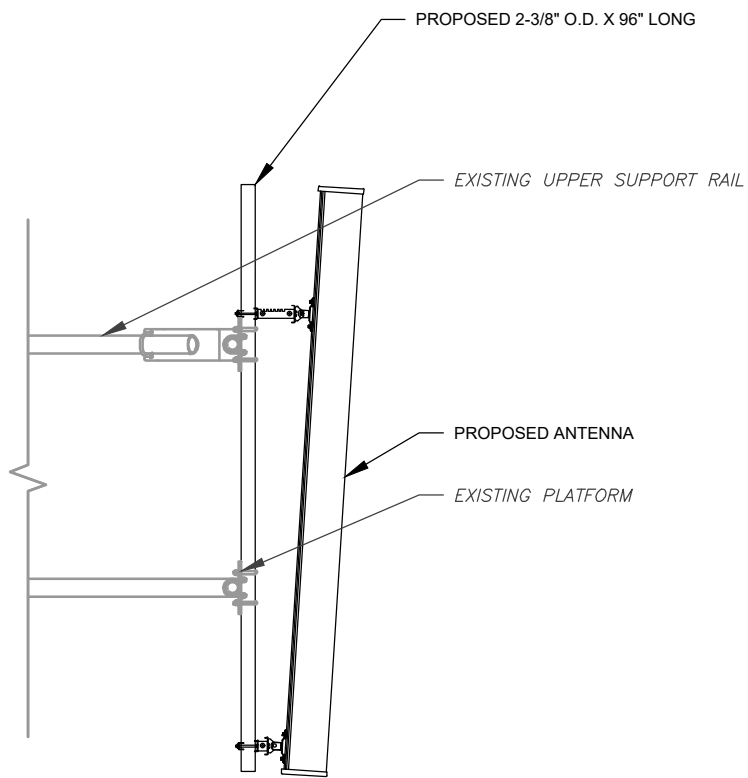
EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(2) DC6-48-60-18-8F	RMN	(1) 2" CONDUIT	-	-	RMN
DC6-48-60-18-8C	RMV	(12) 1-5/8"	(6) 0.78" (19.7MM) 8 AWG 6	(2) 0.39" (10MM)	RMV
		(2) 3" CONDUIT	-	-	RMV

FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(2) DC6-48-60-18-8F	RMN	(1) 2" CONDUIT	-	-	RMN
DC9-48-60-24-8C-EV	ADD	(3) 2" CONDUIT	-	-	RMN
-	-	(6) 1-1/4"	(8) 0.78" 8 AWG 6	(2) 0.41" (10.3MM)	ADD
-	-	-	(1) 0.92" (23.4MM)	-	ADD

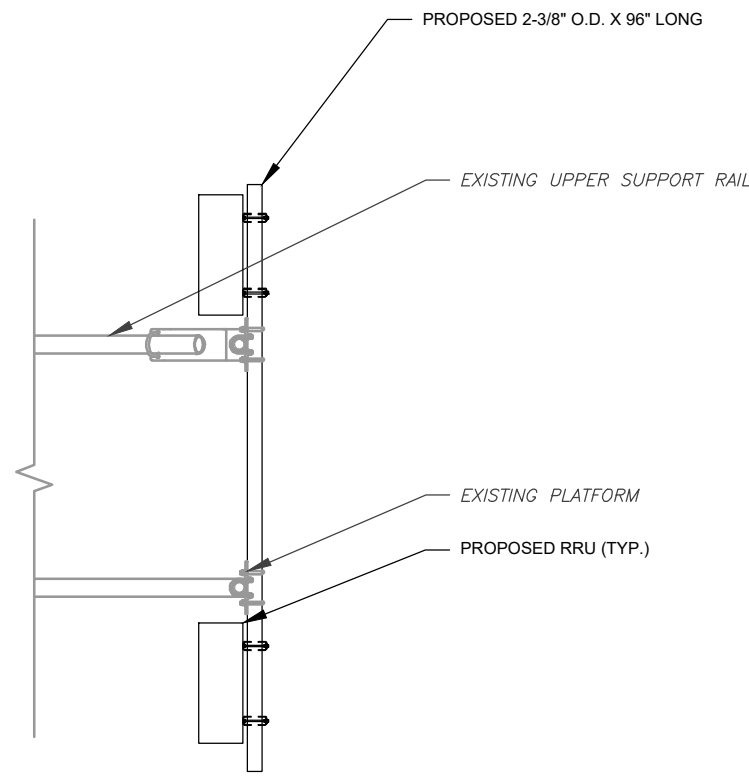
STATUS ABBREVIATIONS
 RMV: TO BE REMOVED
 RMN: TO REMAIN
 REL: TO BE RELOCATED
 ADD: TO BE ADDED

1 EQUIPMENT SCHEDULES

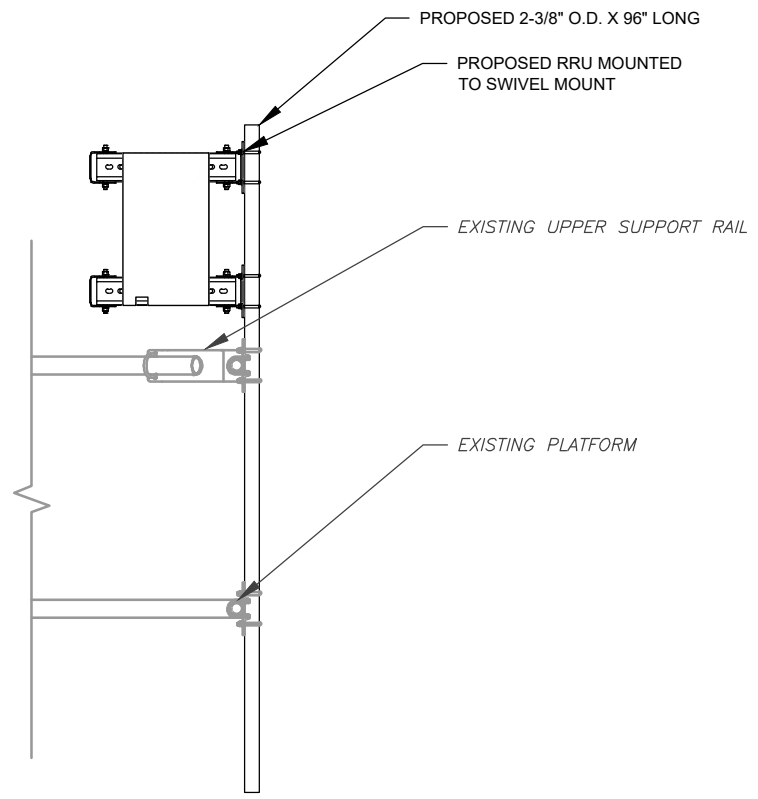
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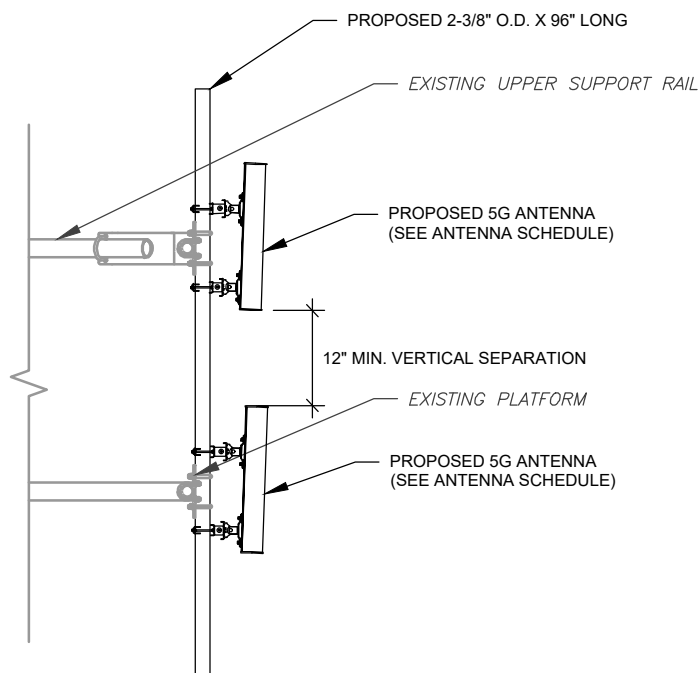
1 ANTENNA DETAIL
SCALE: N.T.S.



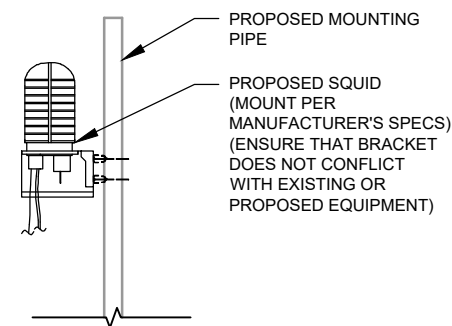
2 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



4 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



5 PROPOSED SQUID MOUNTING
SCALE: N.T.S.



Colliers Engineering & Design

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 Doing Business as **MASER**
 STAMFORD
 1055 Washington Boulevard
 Stamford, CT 06901
 Phone: 203.324.0800
 COLLIERS ENGINEERING & DESIGN CT, P.C.
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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MPT	3/30/22
B	PRELIM	JLK	04/12/22

ATC SITE NUMBER:
302516

ATC SITE NAME:
MLFD - MILFORD

AT&T SITE NAME:
MILFORD BRIDGEPORT AVE

SITE ADDRESS:
438 BRIDGEPORT AVE
MILFORD, CT 06460

SEAL:

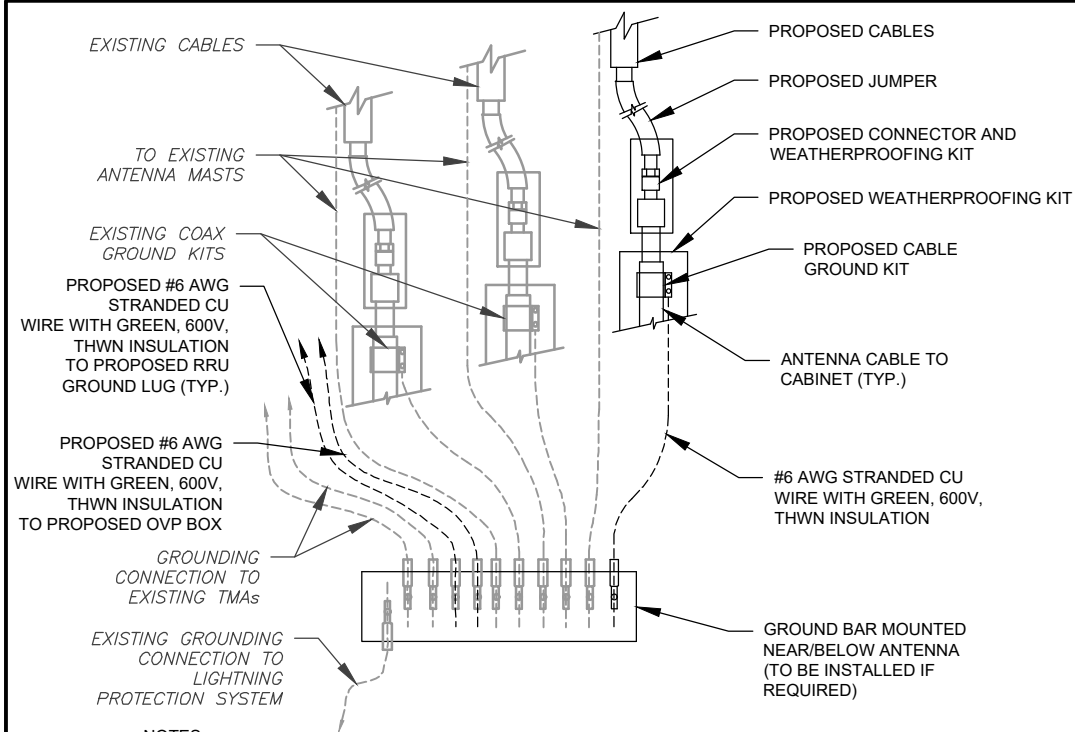


DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

CONSTRUCTION
DETAILS

SHEET NUMBER: C-501	REVISION: B
-------------------------------	-----------------------

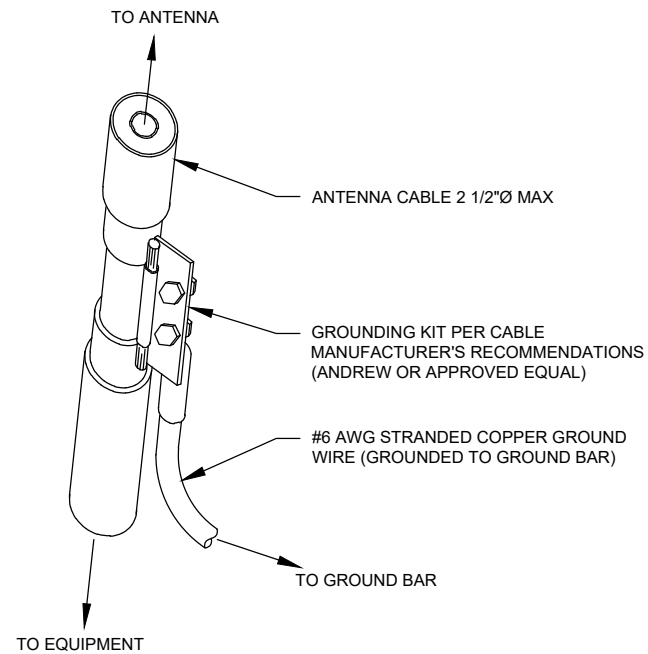
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NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH AT&T GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

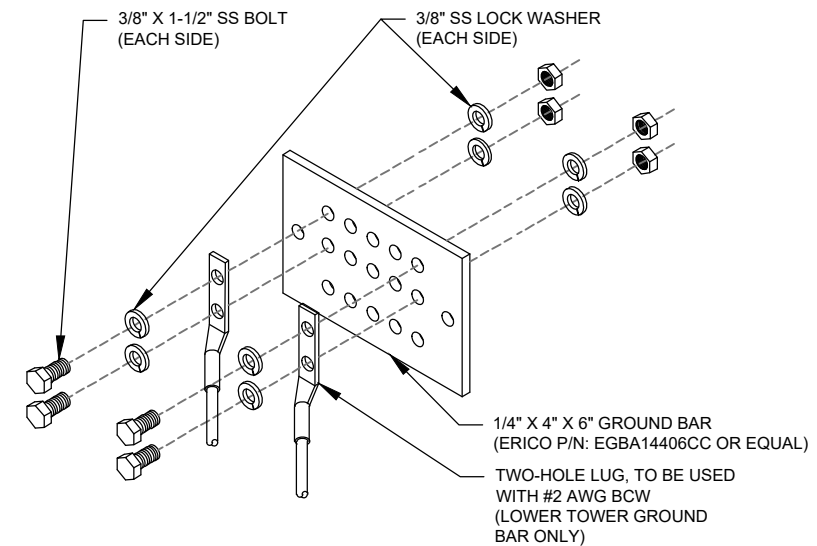
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

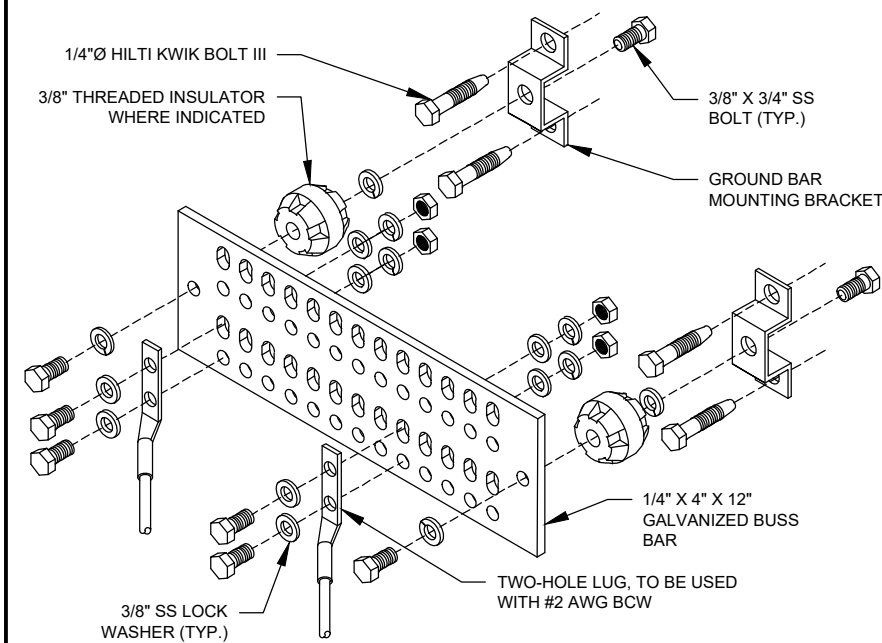
2 CABLE GROUND KIT CONNECTION DETAIL
SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

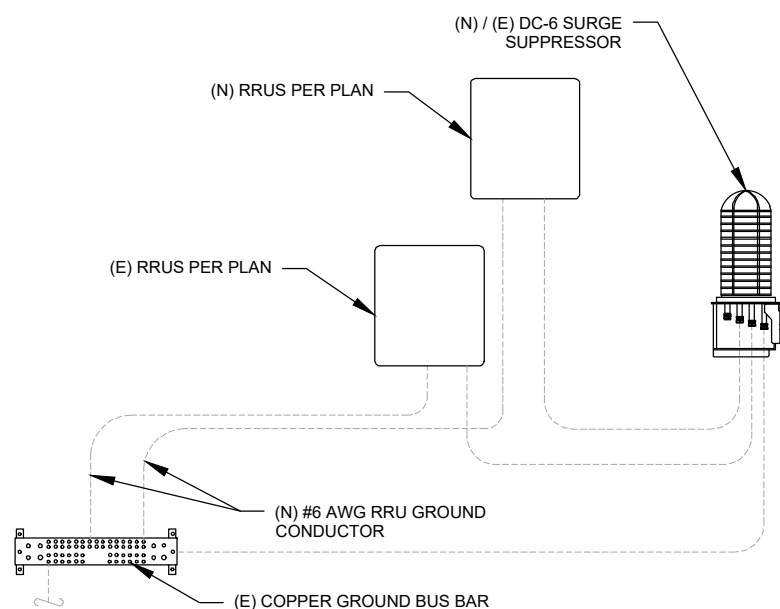
3 TOWER GROUND BAR DETAIL
SCALE: N.T.S.



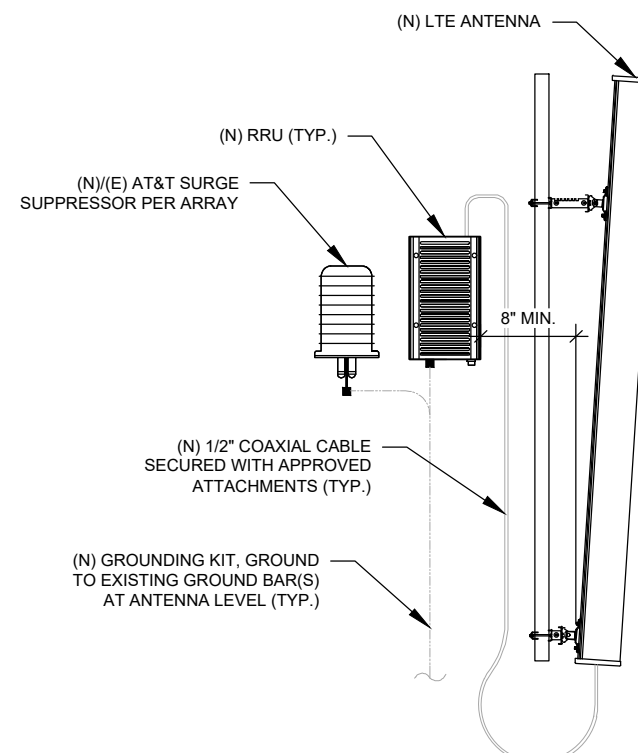
GROUND BAR NOTES

1. GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

4 MAIN GROUND BAR DETAIL
SCALE: N.T.S.



5 RRU GROUNDING
SCALE: N.T.S.



6 ANTENNA/RRU GROUNDING
SCALE: N.T.S.



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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MPT	3/30/22
B	PRELIM	JLK	04/12/22

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MILFORD, CT 06460

SEAL:



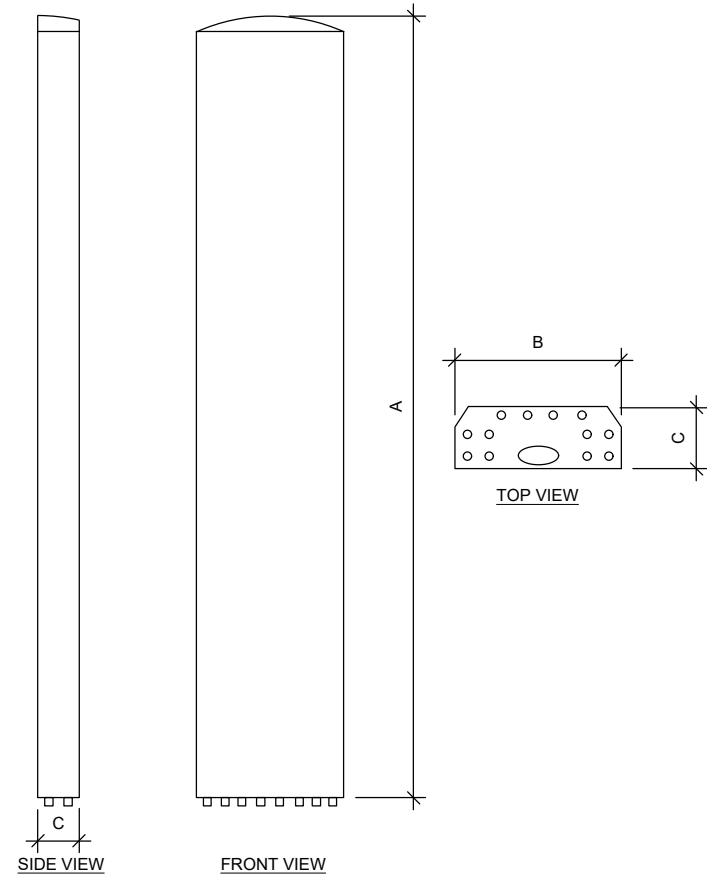
DATE DRAWN:	3/30/22
ATC JOB NO:	13958547_G5
CUSTOMER ID:	CTL02111
CUSTOMER #:	10034978

GROUNDING DETAILS

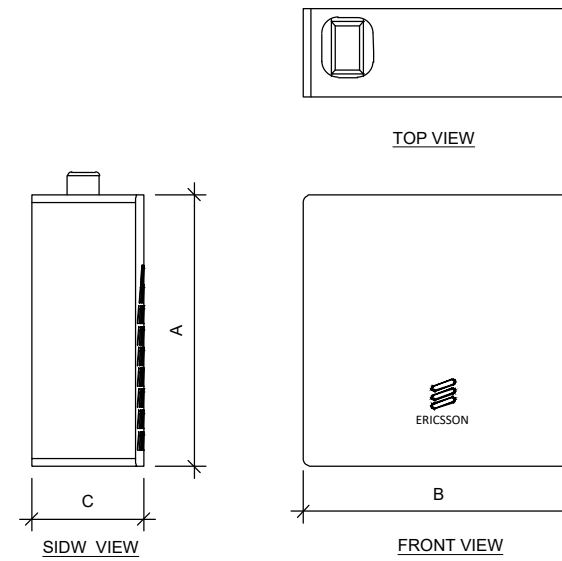
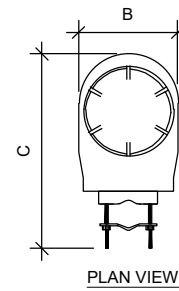
SHEET NUMBER:
E-501

REVISION:
B

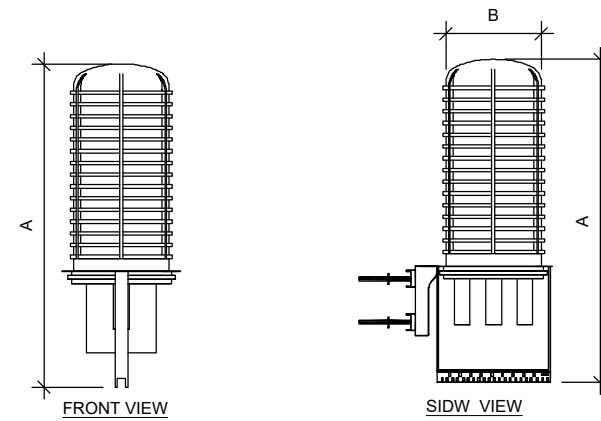
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ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
AIR 6449 B77D	30.6"	15.9"	10.6"	83.8
DMP65R-BU4D	48.0"	20.7"	7.7"	67.9
QD4616-7	51.5"	22.0"	9.6"	91.0
AIR 6419 B77G	28.3"	16.1"	7.9"	83.0



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RRUS 4449 B5, B12	17.9"	13.2"	9.4"	71.0
RRUS 32 B66A	27.2"	12.0"	7.0"	50.7
RRUS E2 B29	20.4"	18.5"	7.5"	60.0
RRUS 32 B30	27.2"	12.0"	7.0"	52.9



RAYCAP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
DC9-48-60-24-8C-EV	31.4"	18.3"	10.2"	16.0
DC6-48-60-18-8F	31.4"	10.2"	10.2"	16.0

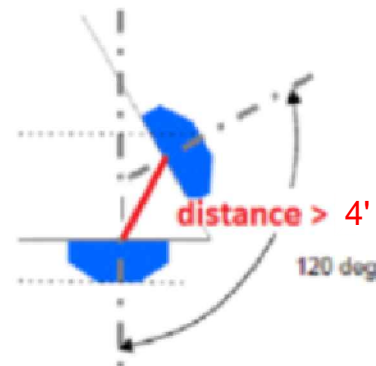
1 EQUIPMENT SPECIFICATIONS
SCALE: N.T.S.

SUPPLEMENTAL

SHEET NUMBER: R-601
REVISION: -

RF REQUIREMENTS FOR 700 B14 FIRSTNET, 700 B12, 700D B29 ANTENNA SEPARATION

- ❑ Horizontal separation (side to side of antenna): $\geq 3'$
- ❑ Vertical separation (between the tips of the antennas): $> 3'$
- ❑ Inter-sector separation: $> 4'$ between the center of the antenna backplanes.



- ❑ Please note additional horizontal separation may be required if B14 antennas azimuth are different from others or antennas are severely angled with respect to the mount.
- ❑ Typical 3' horizontal separation can tolerate skew angle up to 6° .



NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:
R-602

REVISION:
-



This report was prepared for American Tower Corporation by
telamon
 Tower Engineering PLLC

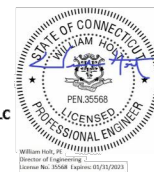
Antenna Mount Analysis Report

ATC Site Name : Mlfd - Milford
 ATC Asset Number : 302516
 Engineering Number : 13958547_08_01
 Mount Elevation : 104.5 ft
 Carrier : AT&T Mobility
 Carrier Site Name : MRCTB050833
 Carrier Site Number : CTCN002111
 Site Location : 438 Bridgeport Ave
 Milford, CT 06460-4105
 41.20661111,-73.0934
 County : New Haven
 Date : March 22, 2022
 Max Usage : 66%
 Result : Contingent Pass*
 *See conclusion for requirements

Prepared By:
 Amey Kulkarni
 Telamon Tower Engineering, PLLC

Reviewed By:
 William Holt, P.E.
 Telamon Tower Engineering, PLLC

Digitally signed by William Holt
 Date: 2022.03.24 09:23:45 -0400



Conclusion

Based on the analysis, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed:

AT&T CONMAT does not have parts connecting pipe to HSS and pipe to pipe clamp kit. Hence proposing modification parts not listed in CONMAT list.

- Replace existing mount pipe at position 1 with (1) proposed 8 ft long Pipe 2 STD, A53 Gr. B mount pipe at each sector (3 total). Connect to platform base HSS member using (1) Site Pro 1 BBPM-K3 crossover plate kit per connection (3 total). Connect to support rail pipe using (1) Site Pro 1 SXC7-U (ANT.16985) crossover plate kit per connection (3 total). Connect to top unistrut members using (1) 1/2" Ø U-bolt per connection (2 total).
- Replace existing mount pipe at position 3 with (1) proposed 10 ft long Pipe 2 STD, A53 Gr. B mount pipe at each sector (3 total). Connect to platform base HSS member using (1) Site Pro 1 BBPM-K3 crossover plate kit per connection (3 total). Connect to support rail pipe using (1) Site Pro 1 SXC7-U (ANT.16985) crossover plate kit per connection (3 total). Connect to top unistrut members using (1) 1/2" Ø U-bolt per connection (2 total).
- Replace existing mount pipe at position 4 with (1) proposed 8 ft long Pipe 2 STD, A53 Gr. B mount pipe at each sector (3 total). Connect to platform base HSS member using (1) Site Pro 1 BBPM-K3 crossover plate kit per connection (3 total). Connect to support rail pipe using (1) Site Pro 1 SXC7-U (ANT.16985) crossover plate kit per connection (3 total). Connect to top unistrut members using (1) 1/2" Ø U-bolt per connection (2 total).
- Install (1) proposed 8 ft long Pipe 2 STD, A53 Gr. B secondary mount pipe at position 4 in each sector (3 total). Connect to proposed primary mount pipe using (1) Site Pro 1 DCP12K threaded rod kit (3 total).

No structural failures were addressed with the noted contingencies. Contingencies address Carrier's antenna spacing requirements.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Antenna Loading

Elevation (ft)		Antennas			
Mount	Rad.	#	Name		
104.5	108.0	3	Ericsson AIR 6449 B77D		
		3	Quintel Technology QD4616-7		
		3	CCI DMP65R-BU4D		
	106.0	104.5	1	Raycap DC9-48-60-24-8C-EV	
			3	Ericsson RRUS 32 B66A	
			3	Ericsson RRUS 32 B2	
		104.0	104.5	3	Ericsson RRUS 32 B30
				3	Ericsson RRUS E2 B29
				3	Ericsson RRUS 4449 B5/B12
			104.0	2	Commscope WCS-IMFQ-AMT
				2	Raycap DC6-48-60-18-8F
				3	Ericsson AIR 6419 B77G

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Unistruts	66%	Pass
Stand-Off Horizontals	56%	Pass
Platform Base	45%	Pass
Support Rail	35%	Pass
Mount Pipes	28%	Pass
Bracing Members	17%	Pass

1 MOUNT ANALYSIS

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONSTRUCTION.

SUPPLEMENTAL

SHEET NUMBER:
R-603

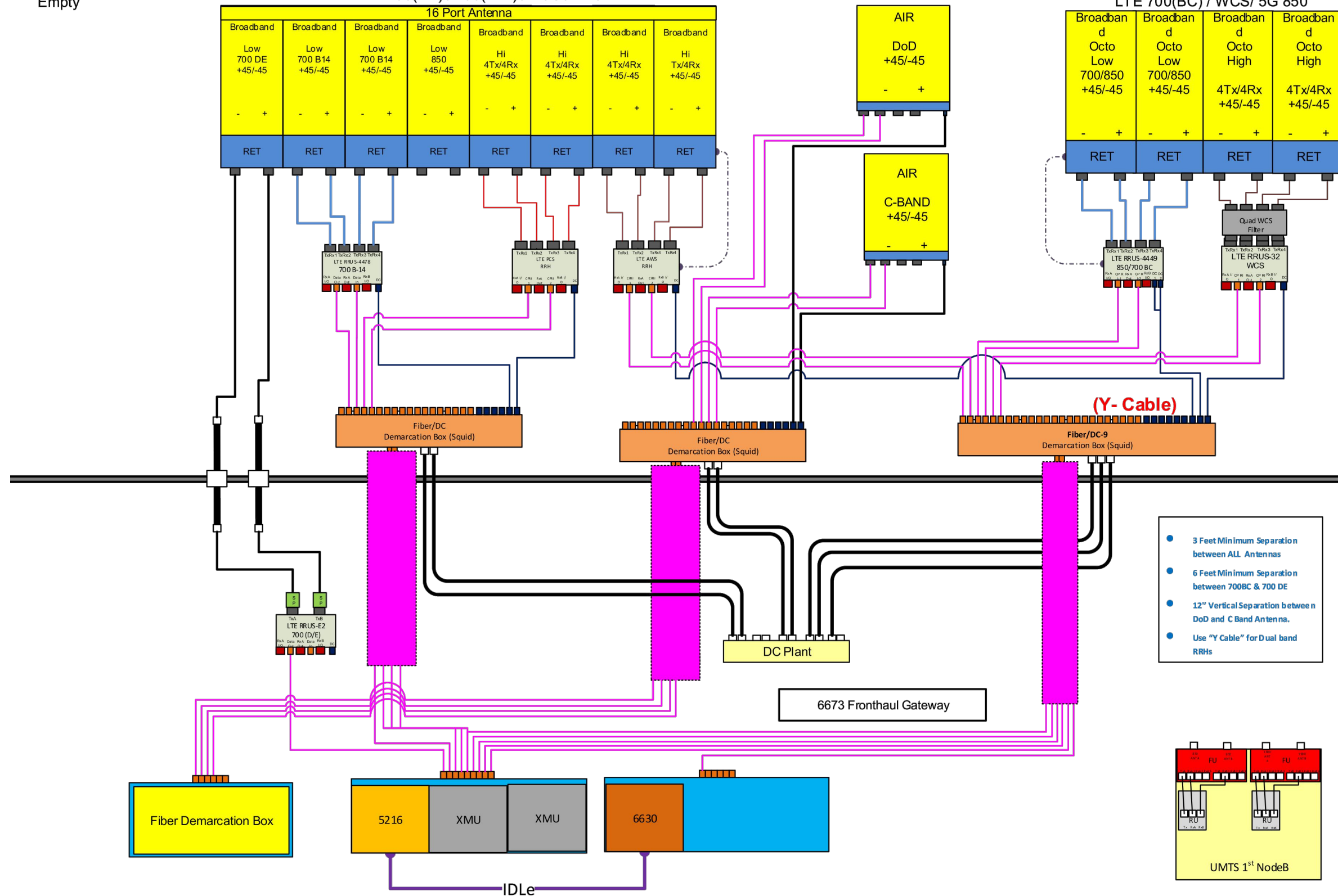
REVISION:
 -

Antenna 1
Empty

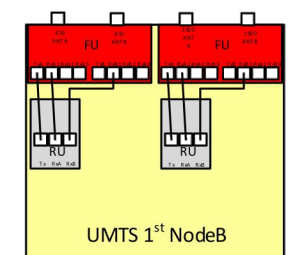
Antenna 2
LTE 700(DE) / 700(B14) / PCS / AWS

Antenna 3
DoD + C band

Antenna 4
LTE 700(BC) / WCS / 5G 850



- 3 Feet Minimum Separation between ALL Antennas
- 6 Feet Minimum Separation between 700BC & 700 DE
- 12" Vertical Separation between DoD and C Band Antenna.
- Use "Y Cable" for Dual band RRHs



NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. GENERAL CONTRACTOR IS TO CHECK WITH THE AT&T CM TO ENSURE THIS IS THE MOST RECENT VERSION OF THE RFDS.

SUPPLEMENTAL

SHEET NUMBER:
R-604

REVISION:
-

Radio Frequency Exposure Analysis Report

May 24, 2022

American Tower on behalf of AT&T

AT&T Site Name: MILFORD-BRIDGEPORT AVE

AT&T Site Number: CTL02111

FA#: 10034978

USID: 61179

Site Address: 438 BRIDGEPORT AVENUE, MILFORD, CT 06460



Michael Fischer, P.E.
Registered Professional Engineer (Electrical)
Connecticut License Number 33928
Expires January 31, 2023

Signed 24 May 2022

Site Compliance Summary

AT&T Compliance Status:	Compliant
Cumulative Calculated Power Density (Ground Level):	19.61183 $\mu\text{W}/\text{cm}^2$
Cumulative General Population % MPE (Ground Level):	1.96194%



May 24, 2022

Attn: Danya Priest

RF Exposure Analysis for Site: **MILFORD-BRIDGEPORT AVE**

Centerline Communications, LLC (“Centerline”) was contracted to analyze the proposed AT&T facility at **438 BRIDGEPORT AVENUE, MILFORD, CT 06460** 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/cm^2) or microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The exposure limits vary depending upon the frequencies being utilized. The General Population/Uncontrolled MPE limit (in mW/cm^2) for frequencies between 300 and 1500 is defined as frequency (in MHz) divided by 1500 ($f_{\text{MHz}}/1500$). Frequencies between 1500 and 100,000 MHz have a General Population/Uncontrolled MPE limit of $1 \text{ mW}/\text{cm}^2$ ($1000 \mu\text{W}/\text{cm}^2$). 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.

General population/uncontrolled exposure 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 Communications, LLC 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 MILFORD-BRIDGEPORT AVE.

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. The cumulative power density and cumulative % MPE are displayed at the bottom of the table.



Maximum Calculated Cumulative Power Density @ Ground Level (Location: approximately 235' northeast of site)

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/Channel (watts)	ERP (watts)	Calculated Power Density ($\mu\text{W}/\text{cm}^2$)	General Population MPE Limit ($\mu\text{W}/\text{cm}^2$)	General Population % MPE
AT&T A 1	QUINTEL QD4616-7 V1	700	10.87	106.00	4.00	40.00	1955.42	0.00043	466.67	0.00009
AT&T A 1	QUINTEL QD4616-7 V1	1900	14.51	106.00	4.00	40.00	4514.71	0.00078	1000.00	0.00008
AT&T A 1	QUINTEL QD4616-7 V1	2100	14.90	106.00	4.00	40.00	4941.40	0.00085	1000.00	0.00009
AT&T A 1	QUINTEL QD4616-7 V1	700	10.86	106.00	2.00	40.00	975.17	0.00023	466.67	0.00005
AT&T A 2	Ericsson AIR6449	3700	23.45	108.00	1.00	108.40	23989.95	0.00263	1000.00	0.00026
AT&T A 3	Ericsson AIR6419	3450	23.45	104.00	1.00	108.40	23989.95	0.00236	1000.00	0.00024
AT&T A 4	CCI DMP65R-BU4D	700	9.95	106.00	4.00	40.00	1581.68	0.00049	466.67	0.00011
AT&T A 4	CCI DMP65R-BU4D	850	10.25	106.00	4.00	40.00	1694.81	0.00046	566.67	0.00008
AT&T A 4	CCI DMP65R-BU4D	2300	14.65	106.00	4.00	25.00	2917.43	0.00033	1000.00	0.00003
AT&T B 5	QUINTEL QD4616-7 V1	700	10.87	106.00	4.00	40.00	1955.42	0.00000	466.67	0.00000
AT&T B 5	QUINTEL QD4616-7 V1	1900	14.48	106.00	4.00	40.00	4487.56	0.00000	1000.00	0.00000
AT&T B 5	QUINTEL QD4616-7 V1	2100	15.18	106.00	4.00	40.00	5279.22	0.00000	1000.00	0.00000
AT&T B 5	QUINTEL QD4616-7 V1	700	10.86	106.00	2.00	40.00	975.17	0.00000	466.67	0.00000
AT&T B 6	Ericsson AIR6449	3700	23.45	108.00	1.00	108.40	23989.95	0.00002	1000.00	0.00000
AT&T B 7	Ericsson AIR6419	3450	23.45	104.00	1.00	108.40	23989.95	0.00002	1000.00	0.00000
AT&T B 8	CCI DMP65R-BU4D	700	9.95	106.00	4.00	40.00	1581.68	0.00000	466.67	0.00000
AT&T B 8	CCI DMP65R-BU4D	850	10.25	106.00	4.00	40.00	1694.81	0.00000	566.67	0.00000
AT&T B 8	CCI DMP65R-BU4D	2300	14.65	106.00	4.00	25.00	2917.43	0.00000	1000.00	0.00000
AT&T C 9	QUINTEL QD4616-7 V1	700	10.87	106.00	4.00	40.00	1955.42	0.00000	466.67	0.00000
AT&T C 9	QUINTEL QD4616-7 V1	1900	14.54	106.00	4.00	40.00	4550.82	0.00000	1000.00	0.00000
AT&T C 9	QUINTEL QD4616-7 V1	2100	15.18	106.00	4.00	40.00	5279.22	0.00000	1000.00	0.00000
AT&T C 9	QUINTEL QD4616-7 V1	700	10.86	106.00	2.00	40.00	975.17	0.00000	466.67	0.00000
AT&T C 10	Ericsson AIR6449	3700	23.45	108.00	1.00	108.40	23989.95	0.00003	1000.00	0.00000
AT&T C 11	Ericsson AIR6419	3450	23.45	104.00	1.00	108.40	23989.95	0.00003	1000.00	0.00000
AT&T C 12	CCI DMP65R-BU4D	700	9.95	106.00	4.00	40.00	1581.68	0.00000	466.67	0.00000
AT&T C 12	CCI DMP65R-BU4D	850	10.25	106.00	4.00	40.00	1694.81	0.00000	566.67	0.00000
AT&T C 12	CCI DMP65R-BU4D	2300	14.65	106.00	4.00	25.00	2917.43	0.00000	1000.00	0.00000
Unknown A 13	GENERIC PANEL 6FT	700	12.33	93.00	4.00	40.00	2736.02	0.00075	466.67	0.00016
Unknown A 13	GENERIC PANEL 6FT	850	12.62	93.00	4.00	40.00	2924.96	0.00077	566.67	0.00014
Unknown A 13	GENERIC PANEL 6FT	1900	15.84	93.00	4.00	40.00	6139.32	0.00077	1000.00	0.00008
Unknown B 14	GENERIC PANEL 6FT	700	12.33	93.00	4.00	40.00	2736.02	0.00000	466.67	0.00000
Unknown B 14	GENERIC PANEL 6FT	850	12.62	93.00	4.00	40.00	2924.96	0.00000	566.67	0.00000
Unknown B 14	GENERIC PANEL 6FT	1900	15.84	93.00	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Unknown C 15	GENERIC PANEL 6FT	700	12.33	93.00	4.00	40.00	2736.02	0.00000	466.67	0.00000
Unknown C 15	GENERIC PANEL 6FT	850	12.62	93.00	4.00	40.00	2924.96	0.00000	566.67	0.00000



Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density ($\mu\text{W}/\text{cm}^2$)	General Population MPE Limit ($\mu\text{W}/\text{cm}^2$)	General Population % MPE
Unknown C 15	GENERIC PANEL 6FT	1900	15.84	93.00	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Verizon A 16	GENERIC PANEL 6FT	850	12.62	83.00	4.00	40.00	2924.96	0.00099	566.67	0.00018
Verizon A 16	GENERIC PANEL 6FT	1900	15.84	83.00	4.00	40.00	6139.32	0.00099	1000.00	0.00010
Verizon A 16	GENERIC PANEL 6FT	2100	16.39	83.00	4.00	40.00	6968.19	0.00103	1000.00	0.00010
Verizon A 16	GENERIC PANEL 6FT	700	12.33	83.00	4.00	40.00	2736.02	0.00096	466.67	0.00021
Verizon B 17	GENERIC PANEL 6FT	850	12.62	83.00	4.00	40.00	2924.96	0.00000	566.67	0.00000
Verizon B 17	GENERIC PANEL 6FT	1900	15.84	83.00	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Verizon B 17	GENERIC PANEL 6FT	2100	16.39	83.00	4.00	40.00	6968.19	0.00000	1000.00	0.00000
Verizon B 17	GENERIC PANEL 6FT	700	12.33	83.00	4.00	40.00	2736.02	0.00000	466.67	0.00000
Verizon C 18	GENERIC PANEL 6FT	850	12.62	83.00	4.00	40.00	2924.96	0.00000	566.67	0.00000
Verizon C 18	GENERIC PANEL 6FT	1900	15.84	83.00	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Verizon C 18	GENERIC PANEL 6FT	2100	16.39	83.00	4.00	40.00	6968.19	0.00000	1000.00	0.00000
Verizon C 18	GENERIC PANEL 6FT	700	12.33	83.00	4.00	40.00	2736.02	0.00000	466.67	0.00000
T-Mobile A 19	GENERIC PANEL 6FT	1900	15.84	73.00	2.00	60.00	4604.49	0.00098	1000.00	0.00010
T-Mobile A 19	GENERIC PANEL 6FT	2100	16.39	73.00	2.00	60.00	5226.14	0.00103	1000.00	0.00010
T-Mobile A 20	GENERIC PANEL 6FT	600	12.33	73.00	2.00	60.00	2052.02	0.00095	400.00	0.00024
T-Mobile A 20	GENERIC PANEL 6FT	700	12.33	73.00	2.00	60.00	2052.02	0.00095	466.67	0.00021
T-Mobile B 21	GENERIC PANEL 6FT	1900	15.84	73.00	2.00	60.00	4604.49	0.00000	1000.00	0.00000
T-Mobile B 21	GENERIC PANEL 6FT	2100	16.39	73.00	2.00	60.00	5226.14	0.00000	1000.00	0.00000
T-Mobile B 22	GENERIC PANEL 6FT	600	12.33	73.00	2.00	60.00	2052.02	0.00000	400.00	0.00000
T-Mobile B 22	GENERIC PANEL 6FT	700	12.33	73.00	2.00	60.00	2052.02	0.00000	466.67	0.00000
T-Mobile C 23	GENERIC PANEL 6FT	1900	15.84	73.00	2.00	60.00	4604.49	0.00000	1000.00	0.00000
T-Mobile C 23	GENERIC PANEL 6FT	2100	16.39	73.00	2.00	60.00	5226.14	0.00000	1000.00	0.00000
T-Mobile C 24	GENERIC PANEL 6FT	600	12.33	73.00	2.00	60.00	2052.02	0.00000	400.00	0.00000
T-Mobile C 24	GENERIC PANEL 6FT	700	12.33	73.00	2.00	60.00	2052.02	0.00000	466.67	0.00000
							Cumulative Power Density:	19.61183 $\mu\text{W}/\text{cm}^2$	Cumulative % MPE:	1.96194%



Summary

The theoretical calculations performed for this analysis yielded cumulative power density totals in all areas at ground 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 Communications, LLC

A handwritten signature in black ink, appearing to read "Katrina Styx", written in a cursive style.



June 15, 2022

The Honorable Benjamin G. Blake
City of Milford
110 River St.
Milford, CT 06460

Re: Exempt Modification Application – AT&T Site 13958547
AT&T Mobility Telecommunications Facility @ 438 Bridgeport Ave, Milford CT 06460

Dear Mayor Blake:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the attached Construction Drawings:

- Remove twelve (12) antennas, nine (9) RRHs, six (6) TMAs, three (3) combiners, three (3) squids, two (2) fiber trunks, two (2) conduits, six (6) DC trunks, and twelve (12) coax cables;
- Install twelve (12) antennas, twelve (12) RRHs, three (3) squids, two (2) fiber trunks, eight (8) DC trunks, one (1) cable, six (6) coax cables and one (1) conduit

This letter is intended to serve as the required notice to the municipality's chief elected official. As required by Regulations of Connecticut State Agencies ("RCSA") 16-50j-73, the Connecticut Siting Council ("CSC") has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RSCA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Jack Andrews', is written over a circular blue stamp or seal.

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046



June 15, 2022

Genevieve Charchenko
438 Bridgeport Ave.
Milford CT 06460

Re: Exempt Modification Application – AT&T Site 13958547
AT&T Mobility Telecommunications Facility @ 438 Bridgeport Ave, Milford CT 06460

Dear Property Owner:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the attached Construction Drawings:

- Remove twelve (12) antennas, nine (9) RRHs, six (6) TMAs, three (3) combiners, three (3) squids, two (2) fiber trunks, two (2) conduits, six (6) DC trunks, and twelve (12) coax cables;
- Install twelve (12) antennas, twelve (12) RRHs, three (3) squids, two (2) fiber trunks, eight (8) DC trunks, one (1) cable, six (6) coax cables and one (1) conduit.

This letter is intended to serve as the required notice to the property owner. As required by Regulations of Connecticut State Agencies (“RCSA”) 16-50j-73 the Connecticut Siting Council (“CSC”) has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RSCA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Jack Andrews', is written over a circular blue stamp or seal.

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046
443-677-0144



June 15, 2022

David B. Sulkis, City Planner
City of Milford
70 West River St.
Milford, CT 06460

Re: Exempt Modification Application – AT&T Site 13958547
AT&T Mobility Telecommunications Facility @ 438 Bridgeport Ave, Milford CT 06460

Dear Mr. Sulkis:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the attached Construction Drawings:

- Remove twelve (12) antennas, nine (9) RRHs, six (6) TMAs, three (3) combiners, three (3) squids, two (2) fiber trunks, two (2) conduits, six (6) DC trunks, and twelve (12) coax cables;
- Install twelve (12) antennas, twelve (12) RRHs, three (3) squids, two (2) fiber trunks, eight (8) DC trunks, one (1) cable, six (6) coax cables and one (1) conduit.

This letter is intended to serve as the required notice to the municipal planning agency. As required by Regulations of Connecticut State Agencies (“RCSA”) 16-50j-73, the Connecticut Siting Council (“CSC”) has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RCSA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Jack Andrews', is written over a circular blue stamp or seal.

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046



June 15, 2022

Blake Paynter
Project Manager, Site Development
American Tower Corporation
10 Presidential Way
Woburn, MA 01801

Re: Exempt Modification Application – AT&T Site
AT&T Mobility Telecommunications Facility @ 438 Bridgeport Ave, Milford CT 06460

Dear Tower Owner:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the attached Construction Drawings:

- Remove twelve (12) antennas, nine (9) RRHs, six (6) TMAs, three (3) combiners, three (3) squids, two (2) fiber trunks, two (2) conduits, six (6) DC trunks, and twelve (12) coax cables;
- Install twelve (12) antennas, twelve (12) RRHs, three (3) squids, two (2) fiber trunks, eight (8) DC trunks, one (1) cable, six (6) coax cables and one (1) conduit.

This letter is intended to serve as the required notice to the tower owner. As required by Regulations of Connecticut State Agencies (“RCSA”) 16-50j-73 the Connecticut Siting Council (“CSC”) has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RSCA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Jack Andrews', is written over the printed name.

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046
443-677-0144

Jack Andrews, Zoning Manager 10130 Donleigh Drive, Columbia, MD 21046 (443) 677-0144
Centerline Communications • 750 W Center Street, Suite 301, W Bridgewater, MA 02379

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Genevieve Charchenko - Property Owner

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Delivered **Honorable Benjamin G. Blake - Mayor of Milford**

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June 17, 06:49AM
Milford, CT

David B. Sulkis - Milford City Planner

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Delivered

June 17, 10:17AM
Woburn, MA

American Tower Corporation - Tower Operator/Owner

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