

September 16, 2020

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

Re: Notice of Exempt Modifications – AT&T Site CT1186
AT&T Telecommunications Facility @ 5 Old Farm Road Barkhamsted, CT 06063

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC (“AT&T”) currently maintains a wireless telecommunications facility on an existing +/- 144’ monopole tower at the above referenced address, latitude 41.9145200, longitude - 73.0223319. Said monopole tower is owned and managed by American Tower Corporation.

AT&T desires to modify its existing telecommunications facility by replacing three (6) antennas, replacing (3) RRUs, adding three (3) new remote radio units, adding one (1) surge arrestor with the associated cables as more particularly detailed and described on the enclosed Construction Drawings prepared by Infinigy Engineering PLLC, last revised on July 30, 2020. The centerline height of the existing antennas is and will remain at 135 feet.

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). In accordance with R.C.S.A §16-50j-73, a copy of this letter is being sent to the following individuals: Daniel Stein, Selectman for the Town of Barkhamsted: Debra Brydon Administrator Zoning & Inland/Wetlands Officer Tree Warden: American Tower Corporation as tower owner and John Lavieri and Ethel as property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. §16-50j-72(b)(2). 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 Commissions safety standard. *Please see the RF emissions calculation for AT&T’s modified facility enclosed herewith.*
5. The proposed modifications will not cause an ineligible change or alternation 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 dated June 17, 2020 and prepared by American Tower Corporation enclosed herewith.

For the foregoing reasons, AT&T respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A §16-50j-72(b)(2).

Best Regards,

Allison Hebel

Site Acquisition Consultant – Agent for AT&T
Centerline Communications LLC
750 West Center St. Ste 301
West Bridgewater, MA 02379
215-588-7035
ahebel@clinellc.com

Enclosures: Exhibit 1 – Construction Drawings
 Exhibit 2 – Property Card and GIS
 Exhibit 3 – Structural Analysis
 Exhibit 4 – Mount Analysis
 Exhibit 5 – RF Emissions Analysis Report Evaluation
 Exhibit 6 – Available City of Hartford Original Tower Approval Records
 Exhibit 7 – Notice Deliver Confirmations

Cc: Daniel Stein, as elected official, Town of Barkhamsted
 Debra Brydon Zoning Administrator, Town of Barkhamsted
 American Tower Corporation, Tower Owner
 John Lavieri, as Property Owner

020633

Centerline Communications LLC

CONNECTICUT SITING COUNCIL

Check: 20633
Date: 6/30/2020
Vendor: 0

Invoice	P.O. Num.	Invoice Amt	Prior Balance	Retention	Discount	Amt. Paid
517939-003 CT1186		625.00	625.00	0.00	0.00	625.00
		<u>625.00</u>	<u>625.00</u>	<u>0.00</u>	<u>0.00</u>	<u>625.00</u>

Centerline Communications LLC

750 W. Center Street
Suite 301
W. Bridgewater, MA 02379
(781) 713-4725

ROCKLAND TRUST COMPANY
MEDFIELD, MA 02052

53-447/113

020633

20633

DATE

AMOUNT

6/30/2020

*****625.00

PAY
TO THE
ORDER
OF

THE SUM OF SIX HUNDRED TWENTY FIVE DOLLARS AND NO CENTS *****

**VOID AFTER 90
DAYS**

CONNECTICUT SITING COUNCIL

AUTHORIZED SIGNATURE

Security features. Details on back

⑈020633⑈ ⑆011304478⑆ 2922009879⑈

Centerline Communications LLC

CONNECTICUT SITING COUNCIL

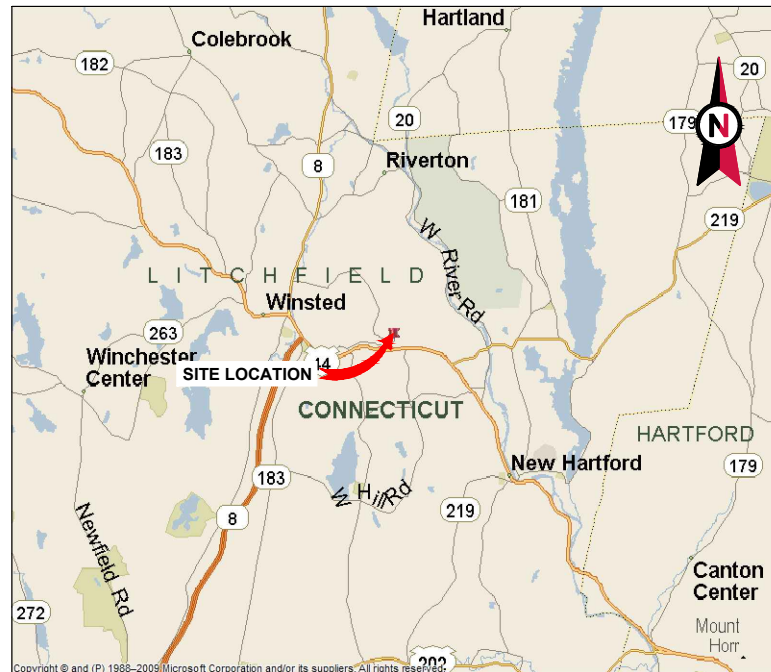
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EXHIBIT 1



VICINITY MAP

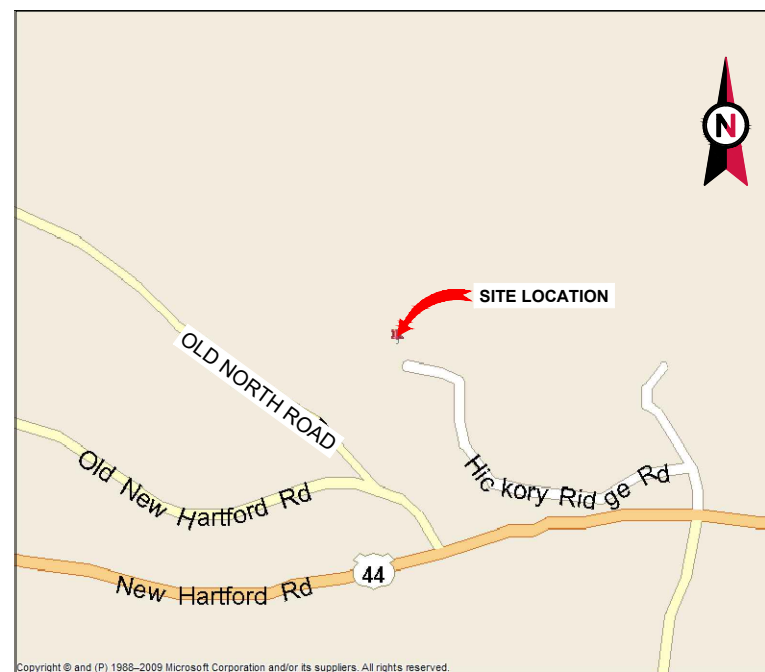
CURRENT PROJECTS:
 LTE 2C - PACE #: MRCTB047269
 4TX4RX SOFTWARE RETROFIT - PACE #: MRCTB047229
 5G NR 1DR-1 - PACE #: MRCTB047177
 LTE 3C - PACE #: MRCTB048212
 LTE 4C - PACE #: MRCTB048197



AMERICAN TOWER®

ATC SITE NAME: BARKHAMSTEDW CT
 ATC SITE NUMBER: 411177
 AT&T PACE NUMBER: MRCTB047269, MRCTB047229,
 MRCTB047177, MRCTB048212,
 MRCTB048197
 AT&T SITE ID: BARKHAMSTED OLD FARM ROAD
 AT&T FA CODE: 10107955
 SITE ADDRESS: 14 OLD NORTH ROAD

BARKHAMSTED, CT 06063
**AT&T MOBILITY PROJECT
 ANTENNA AMENDMENT DRAWINGS**



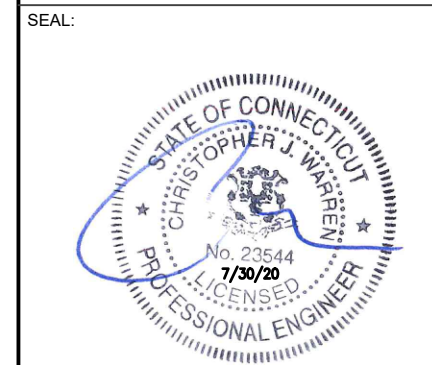
LOCATION MAP



**INFINIGY®
 ENGINEERING, PLLC**
 2255 SEWELL MILL RD, SUITE 130
 MARIETTA, GA 30062
 JOB NUMBER 1009-Z0003-C

REV.	DESCRIPTION	BY	DATE
△	FOR REVIEW	CES	06/26/20
△	FOR CONSTRUCTION	CES	07/30/20
△			
△			
△			

ATC SITE NUMBER:
411177
 ATC SITE NAME:
**BARKHAMSTEDW CT
 CONNECTICUT**
 SITE ADDRESS:
 14 OLD NORTH ROAD
 BARKHAMSTED, CT 06063



DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

TITLE SHEET

SHEET NUMBER:
G-001
 REVISION:
0

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. INTERNATIONAL BUILDING CODE, 2015 EDITION WITH CT STATE AMENDMENTS. 2. INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION WITH CT STATE AMENDMENTS. 3. INTERNATIONAL MECHANICAL CODE, 2015 EDITION WITH CT STATE AMENDMENTS. 4. INTERNATIONAL PLUMBING CODE, 2015 EDITION WITH CT STATE AMENDMENTS. 5. NFPA NATIONAL ELECTRICAL CODE 2017 EDITION 6. INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION WITH CT STATE AMENDMENTS. STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURE (TIA/EIA-222-H)	<u>SITE ADDRESS:</u> 14 OLD NORTH ROAD BARKHAMSTED, CT 06063 COUNTY: LITCHFIELD <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.9145200° LONGITUDE: -73.0223319° GROUND ELEVATION: 810' AMSL	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER SCOPE:</u> REMOVE (6) ANTENNAS, (3) RRHS, (6) 1-5/8" GSM COAX CABLES INSTALL (6) ANTENNAS, (3) 4449 B5/B12 RRHS, (3) 4478 B14 RRHS, (3) 8843 B2/B66A RRHS, (6) Y-CABLES, HANDRAIL KIT HRK14, (3) B2B BRACKETS, (3) RET HOME RUN CABLES, (1) 2" INNERDUCT, (1) SQUID, (1) 18-PAIR FIBER TRUNK CABLE, (2) #8 AWG, 6 CONDUCTOR DC CABLES EXISTING (3) ANTENNAS, (1) SQUID, (1) 12-PAIR FIBER TRUNK CABLES, (6) UMTS COAX CABLES, (2) #8 AWG, 6 CONDUCTOR DC CABLES TO REMAIN <u>GROUND SCOPE:</u> REMOVE (12) DIPLEXERS INSTALL (2) BASEBAND 6630 5G, (1) DC12-48-60-RM, (1) FIBER MANAGEMENT BOX, (1) IDLE, (21) CONVERTERS EXISTING (6) DIPLEXERS 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> INFINIGY ENGINEERING, PLLC 2255 SEWELL MILL ROAD, SUITE 130 MARIETTA, GA 30062 <u>PROPERTY OWNER:</u> JOHN N LAVIERI & ETHEL C LAVIERI PO BOX 202 HICKORY RIDGE BARKHAMSTED, CT 06063 <u>APPLICANT:</u> AT&T MOBILITY	<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.					
<u>UTILITY COMPANIES</u> POWER COMPANY: NORTHEAST UTILITY SERVICE PHONE: (800) 286-2000 TELEPHONE COMPANY: N/A PHONE: (555) 555-5555	<u>PROJECT LOCATION DIRECTIONS</u> FROM EAST HARTFORD I-84 WEST TO RT. 44 RT. PAST RT. 318 ON THE RIGHT. LOOK FOR STERLING ENGINEERING. TURN RIGHT IMMEDIATELY AFTER ANTIQUE STORE ONTO OLD FARM RD. THEN TURN LEFT ONTO PRIVATE DRIVE. TURN RIGHT BEFORE HOUSE ONTO STONE DRIVE. TAKE ANOTHER LEFT SITE IS AT END OF ROAD. THIS SITE HAS DIESEL RESTRICTIONS NOTED IN EMIS						



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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 ANSIEIA/ITIA-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 AND
 - B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND AT&T SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
 - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.
 - 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 GREED 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)

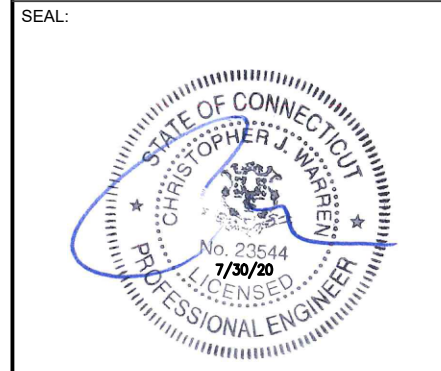
ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE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



INFINIGY
ENGINEERING, PLLC
2255 SEWELL MILL RD, SUITE 130
MARIETTA, GA 30062
JOB NUMBER 1009-Z0003-C

REV.	DESCRIPTION	BY	DATE
A	FOR REVIEW	CES	06/26/20
0	FOR CONSTRUCTION	CES	07/30/20

ATC SITE NUMBER:
411177
ATC SITE NAME:
**BARKHAMSTEDW CT
CONNECTICUT**
SITE ADDRESS:
14 OLD NORTH ROAD
BARKHAMSTED, CT 06063



DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

GENERAL NOTES

SHEET NUMBER: G-002	REVISION: 0
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NOTES:

- BOUNDARY LINES OBTAINED FROM CITY OF BARKHAMSTED ONLINE GIS.

APPROXIMATE EXISTING PROPERTY LINE (TYP.)

EXISTING TOWER COMPOUND

EXISTING TOWER

564'±

364'±

408'±

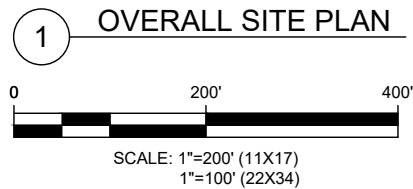
EXISTING BUILDING (TYP.)

EXISTING TREE LINE (TYP.)

EXISTING ACCESS ROAD

OLD NORTH ROAD

NEW HARTFORD ROAD

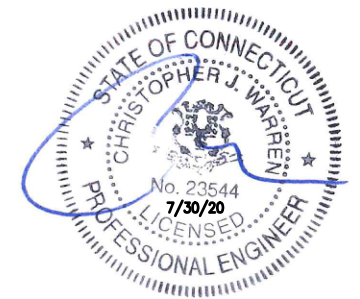


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SEAL:



DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

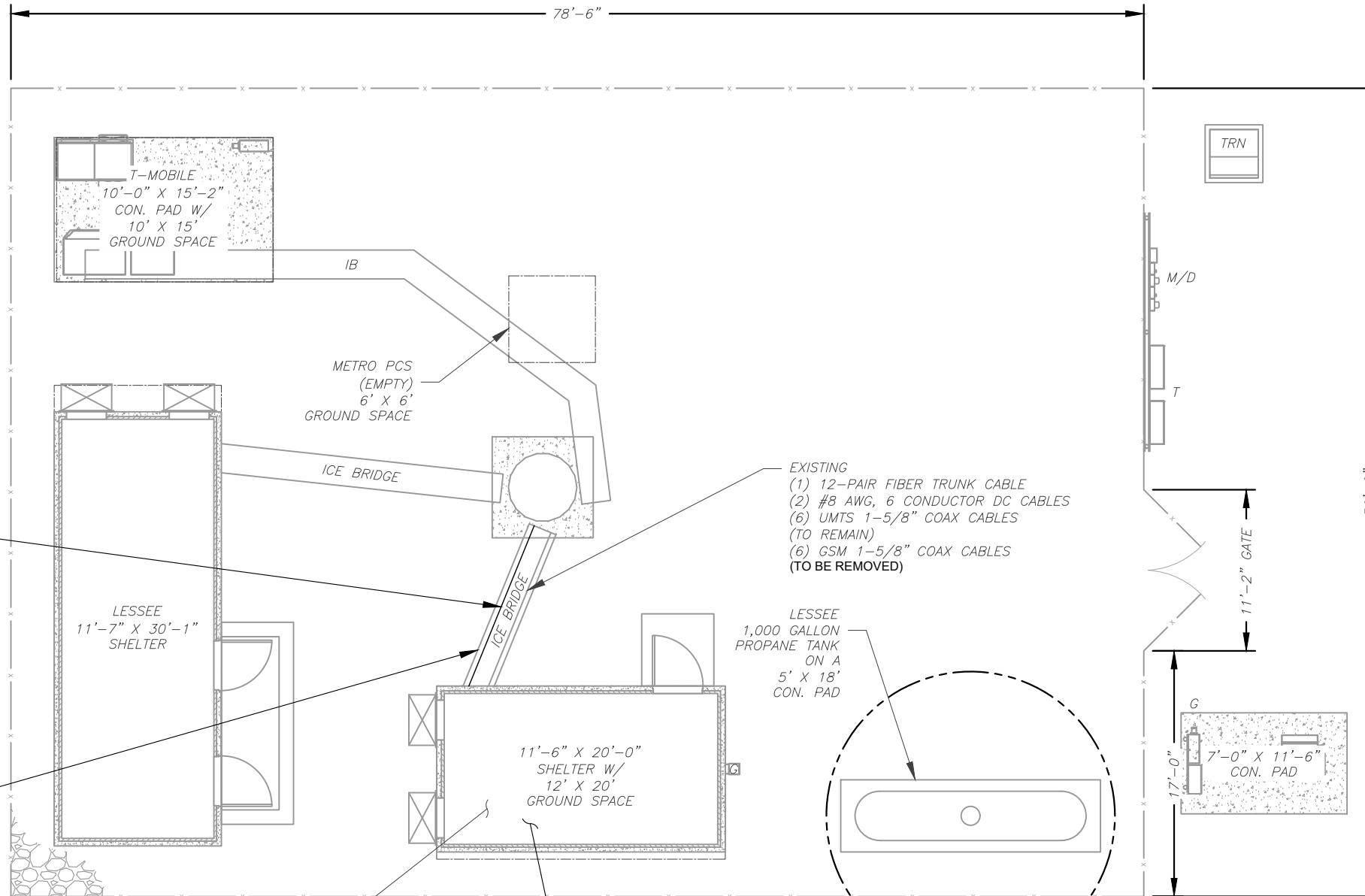
OVERALL SITE PLAN

SHEET NUMBER:	REVISION:
C-001	0

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
 (1) 18-PAIR FIBER TRUNK CABLE
 (6) Y-CABLES
 (3) RET HOME RUN CABLES
 (1) 2" INNERDUCT
 (2) #8 AWG, 6 CONDUCTOR DC CABLES
 (TO BE INSTALLED)

INFORMATION CONTAINED WITHIN DRAWINGS IS BASED ON PROVIDED INFORMATION. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.

PROPOSED AT&T WIRELESS
 (1) FIBER MANAGEMENT BOX
 (TO BE INSTALLED ON EXISTING ICE BRIDGE POST NEAR HATCH PLATE)

PROPOSED CABLE LENGTH:

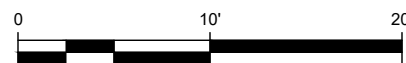
1. ESTIMATED LENGTH OF PROPOSED CABLE IS 280'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).

EXISTING AT&T WIRELESS
 (6) POWERWAVE LGP 13519 DIPLEXERS
 (TO REMAIN)
 (12) POWERWAVE LGP 13519 DIPLEXERS
 (TO BE REMOVED)

PROPOSED AT&T WIRELESS
 (2) BASEBAND 6630 5G
 (1) IDLE
 (1) DC12-48-60-RM
 (21) CONVERTERS
 (TO BE INSTALLED)

NOTE:
 CONTRACTOR TO VERIFY TYPE AND INSTALL LOCATION OF CONVERTERS WITH AT&T

1 DETAILED SITE PLAN



SCALE: 1"=10' (11X17)
 1"=5' (22X34)



INFINIGY ENGINEERING, PLLC

2255 SEWELL MILL RD, SUITE 130
 MARIETTA, GA 30062
 JOB NUMBER 1009-Z0003-C

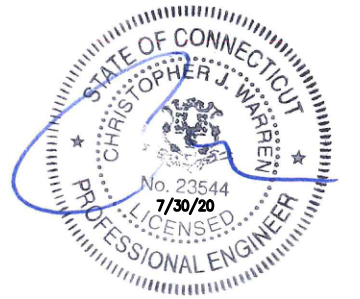
REV.	DESCRIPTION	BY	DATE
A	FOR REVIEW	CES	06/26/20
B	FOR CONSTRUCTION	CES	07/30/20

ATC SITE NUMBER:
411177

ATC SITE NAME:
BARKHAMSTEDW CT CONNECTICUT

SITE ADDRESS:
 14 OLD NORTH ROAD
 BARKHAMSTED, CT 06063

SEAL:



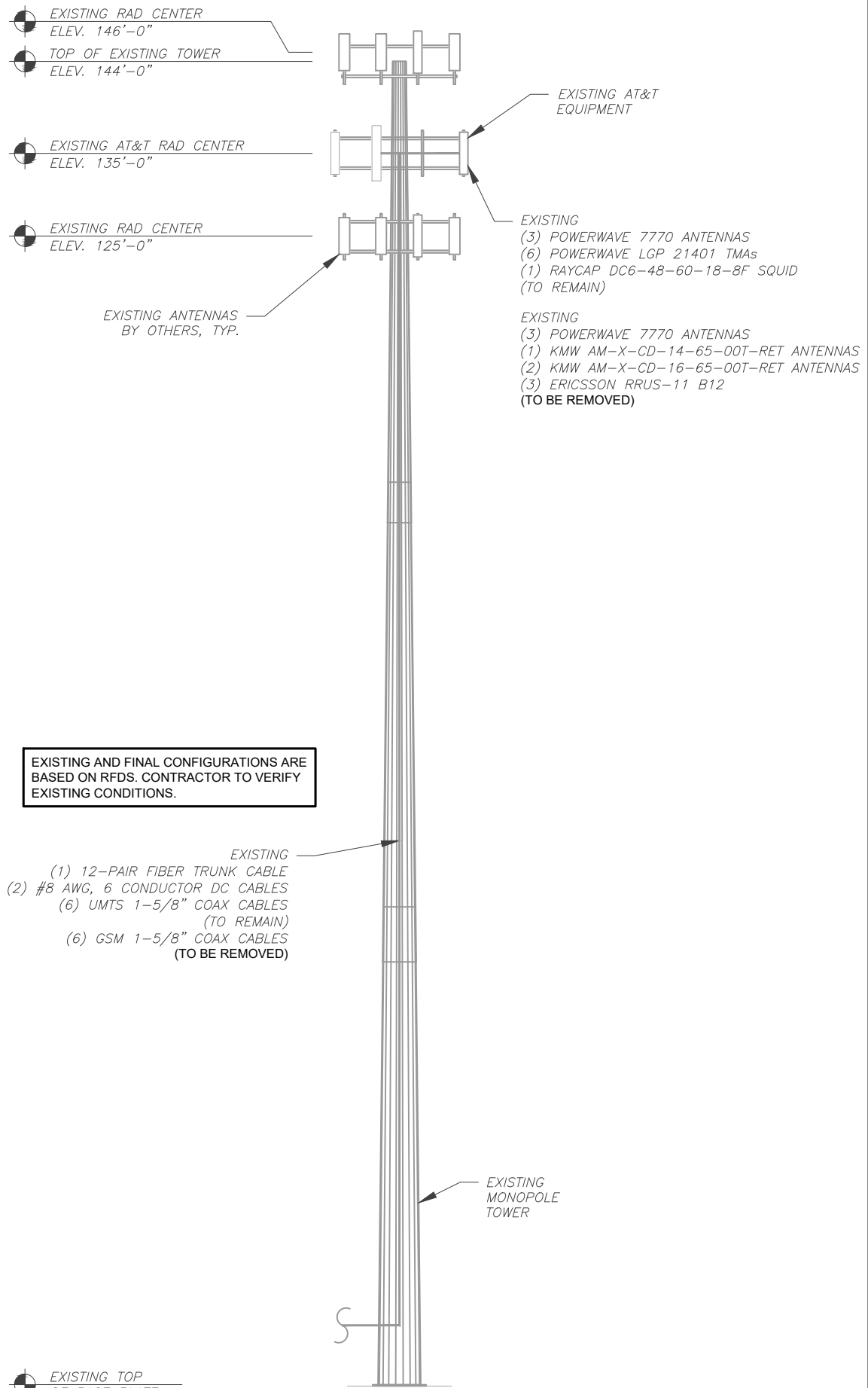
DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

DETAILED SITE PLAN

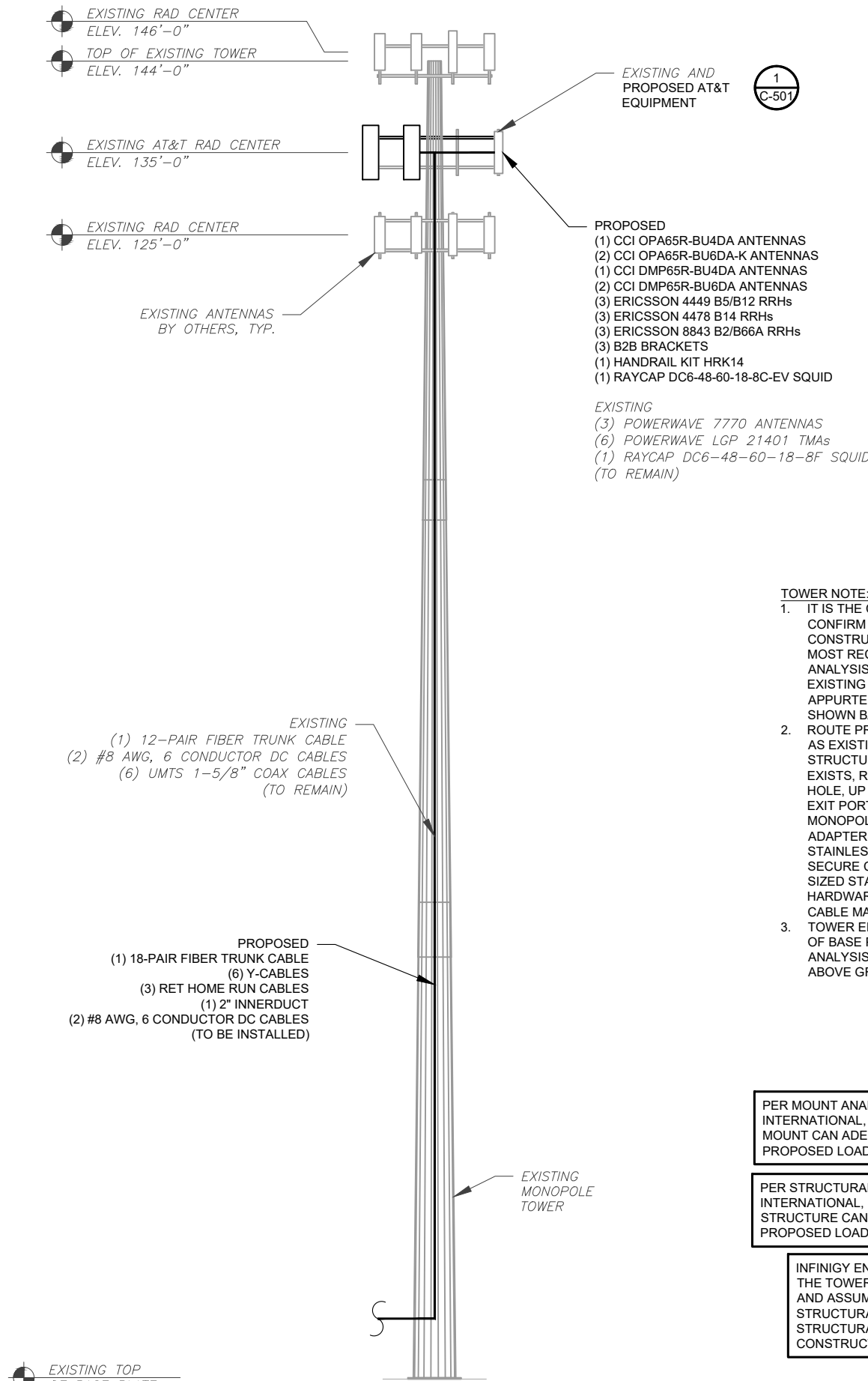
SHEET NUMBER:
C-101

REVISION:
0

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1 EXISTING NORTH TOWER ELEVATION
SCALE: N.T.S.



2 PROPOSED NORTH TOWER ELEVATION
SCALE: N.T.S.

TOWER NOTE:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE AMERICAN TOWER CONSTRUCTION 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. 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.)

PER MOUNT ANALYSIS COMPLETED BY SMJ INTERNATIONAL, DATED 07/20/2020, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

PER STRUCTURAL ANALYSIS COMPLETED BY SMJ INTERNATIONAL, DATED 06/17/2020, THE EXISTING STRUCTURE CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

INFINIGY ENGINEERING HAS NOT EVALUATED THE TOWER OR MOUNTS FOR THIS PROJECT AND ASSUMES NO LIABILITY FOR ITS STRUCTURAL INTEGRITY. REFER TO STRUCTURAL ANALYSIS REPORT PRIOR TO CONSTRUCTION.



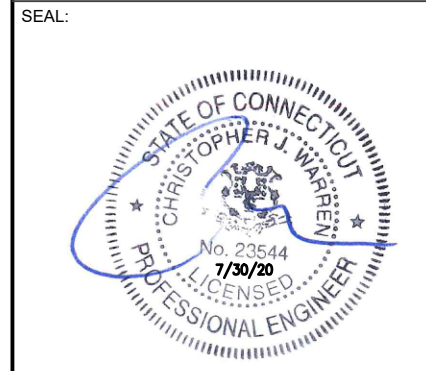
INFINIGY ENGINEERING, PLLC
2255 SEWELL MILL RD, SUITE 130
MARIETTA, GA 30062
JOB NUMBER 1009-Z0003-C

REV.	DESCRIPTION	BY	DATE
A	FOR REVIEW	CES	06/26/20
B	FOR CONSTRUCTION	CES	07/30/20

ATC SITE NUMBER:
411177

ATC SITE NAME:
BARKHAMSTEDW CT CONNECTICUT

SITE ADDRESS:
14 OLD NORTH ROAD
BARKHAMSTED, CT 06063



DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

TOWER ELEVATION

SHEET NUMBER: C-201	REVISION: 0
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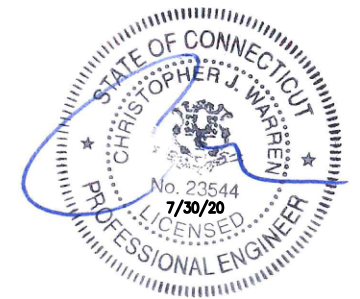
REV.	DESCRIPTION	BY	DATE
A	FOR REVIEW	CES	06/26/20
0	FOR CONSTRUCTION	CES	07/30/20

ATC SITE NUMBER:
411177

ATC SITE NAME:
BARKHAMSTEDW CT CONNECTICUT

SITE ADDRESS:
14 OLD NORTH ROAD
BARKHAMSTED, CT 06063

SEAL:



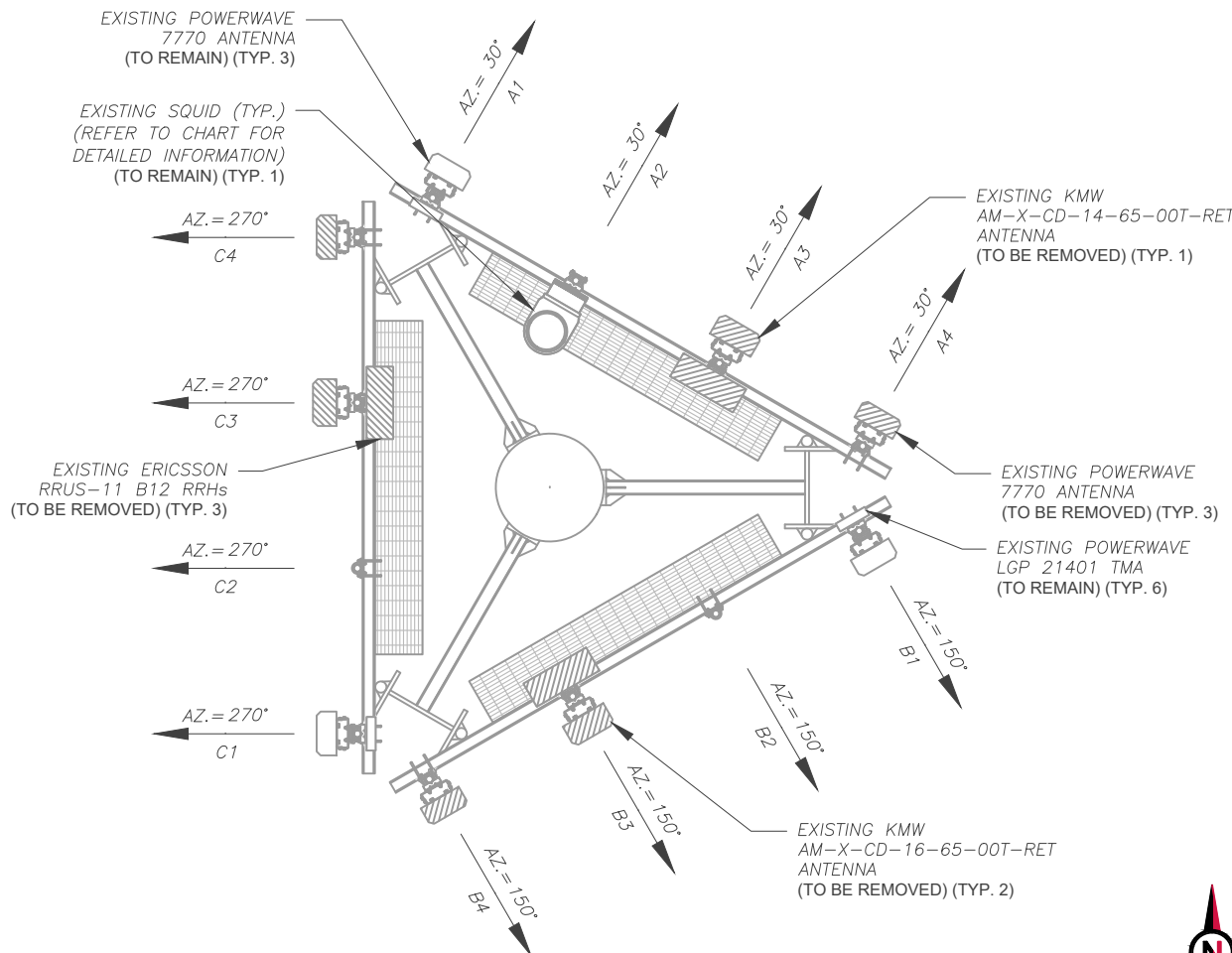
DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:
C-401

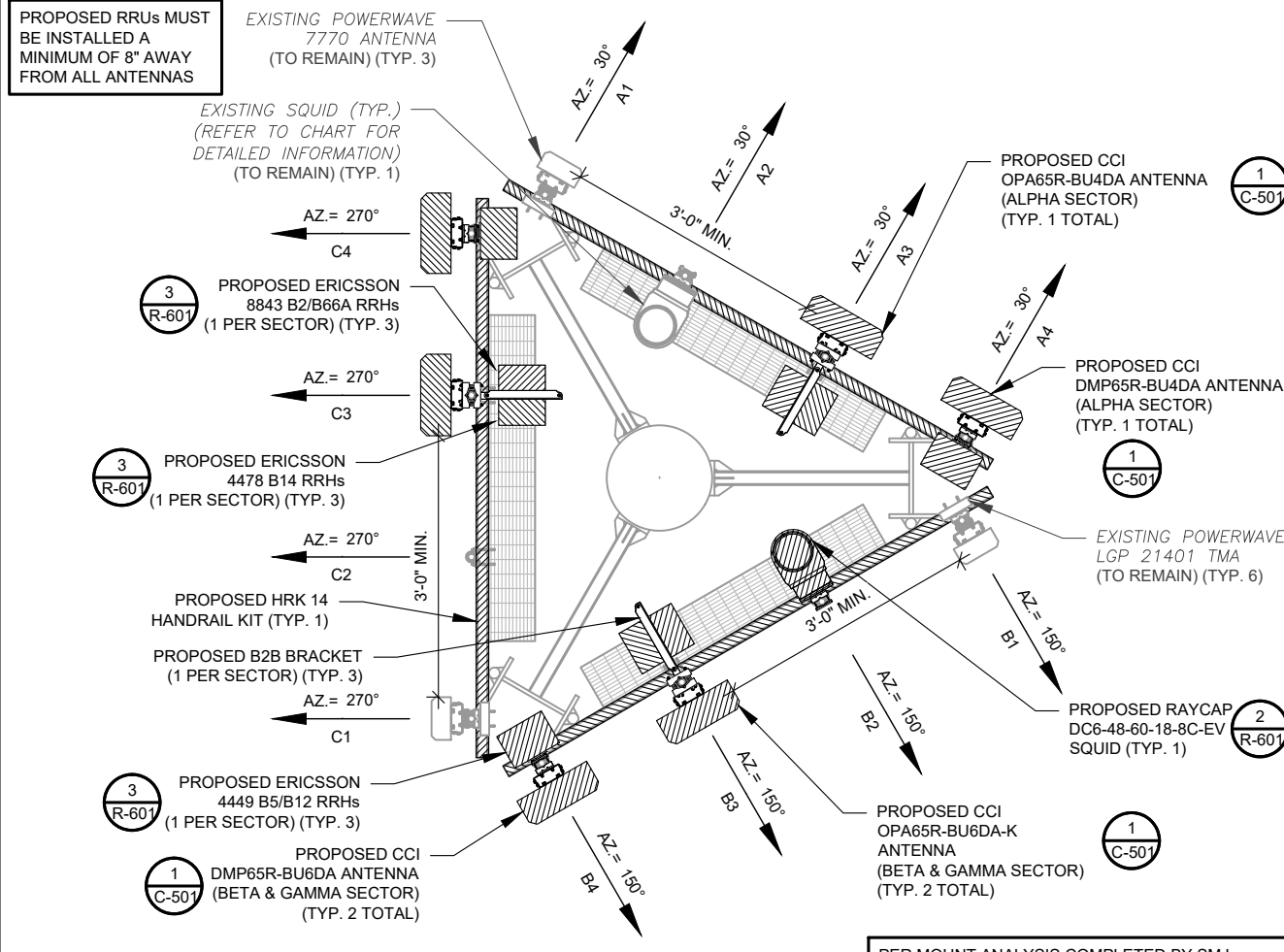
REVISION:
0

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



1 EXISTING ANTENNA PLAN
SCALE: N.T.S.

EXISTING AND FINAL CONFIGURATIONS ARE BASED ON RFDS. CONTRACTOR TO VERIFY EXISTING CONDITIONS.



2 FINAL ANTENNA PLAN
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY SMJ INTERNATIONAL, DATED 07/20/2020, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

EXISTING ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	135'	30°	A1	7770	UMTS 850/1900	RMN	(2) LGP 21401	RMN
	135'		A2	-	-	-	-	-
	135'		A3	AM-X-CD-14-65-00T-RET	LTE 700	RMV	(1) RRUS-11 B12	RMV
	135'		A4	7770	GSM 850/1900	RMV	-	-
BETA	135'	150°	B1	7770	UMTS 850/1900	RMN	(2) LGP 21401	RMN
	135'		B2	-	-	-	-	-
	135'		B3	AM-X-CD-16-65-00T-RET	LTE 700	RMV	(1) RRUS-11 B12	RMV
	135'		B4	7770	GSM 850/1900	RMV	-	-
GAMMA	135'	270°	C1	7770	UMTS 850/1900	RMN	(2) LGP 21401	RMN
	135'		C2	-	-	-	-	-
	135'		C3	AM-X-CD-16-65-00T-RET	LTE 700	RMV	(1) RRUS-11 B12	RMV
	135'		C4	7770	GSM 850/1900	RMV	-	-

- NOTES**
- BASED ON APPROVED ATC APPLICATION 13242504, DATED 06/08/2020. CONFIRM WITH AT&T REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
 - ATC HAS NOT YET VERIFIED ANY EXISTING ANTENNA CONFIG OR MOUNT CONFIG. CONTRACTOR TO VERIFY MOUNT CONFIG HAS SUFFICIENT SPACE FOR PROPOSED LESSEE EQUIPMENT (EQUIP) (I.E. CLEARANCES, MOUNT PIPE, SUFFICIENT LENGTH, ETC.)
 - ALL PROPOSED EQUIP INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH ATC'S CM.
 - CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
 - POSITIONS START WITH FIRST PIPE ON THE LEFT SIDE (AS VIEWED FROM BEHIND THE MOUNT).

FINAL ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	135'	30°	A1	7770	UMTS 850	RMN	(2) LGP 21401	RMN
	135'		A2	-	-	-	-	-
	135'		A3	OPA65R-BU4DA	LTE 700	ADD	(1) 4478 B14 (1) 8843 B2/B66A	ADD ADD
	135'		A4	DMP65R-BU4DA	LTE 700/850/5G 850	ADD	(1) 4449 B5/B12	ADD
BETA	135'	150°	B1	7770	UMTS 850	RMN	(2) LGP 21401	RMN
	135'		B2	-	-	-	-	-
	135'		B3	OPA65R-BU6DA-K	LTE 700	ADD	(1) 4478 B14 (1) 8843 B2/B66A	ADD ADD
	135'		B4	DMP65R-BU6DA	LTE 700/850/5G 850	ADD	(1) 4449 B5/B12	ADD
GAMMA	135'	270°	C1	7770	UMTS 850	RMN	(2) LGP 21401	RMN
	135'		C2	-	-	-	-	-
	135'		C3	OPA65R-BU6DA-K	LTE 700	ADD	(1) 4478 B14 (1) 8843 B2/B66A	ADD ADD
	135'		C4	DMP65R-BU6DA	LTE 700/850/5G 850	ADD	(1) 4449 B5/B12	ADD

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(1) DC6-48-60-18-8F	RMN	(6) UMTS 1-5/8"	(2) #8 AWG, 6 CONDUCTOR	(1) 12-PAIR	RMN
		(6) GSM 1-5/8"	-	-	RMV

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

CABLE LENGTHS FOR JUMPERS
 FIBER DISTRIBUTION/OVP TO RRU: 15'
 RRU TO ANTENNA: 10'

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION/SQUID			FINAL CABLING SUMMARY						
MODEL NUMBER	STATUS	COAX	DC	RET	Y-CABLE	INNER DUCT	FIBER	STATUS	
(1) DC6-48-60-18-8F	RMN	(6) 1-5/8"	(2) #8 AWG, 6 CONDUCTOR	-	-	-	(1) 12-PAIR	RMN	
(1) DC6-48-60-18-8C-EV	ADD	-	(2) #8 AWG, 6 CONDUCTOR	(3) HOME RUN RET	(6) Y-CABLES	(1) 2" INNER DUCT	(1) 18-PAIR	ADD	

REV.	DESCRIPTION	BY	DATE
A	FOR REVIEW	CES	06/26/20
0	FOR CONSTRUCTION	CES	07/30/20

ATC SITE NUMBER:

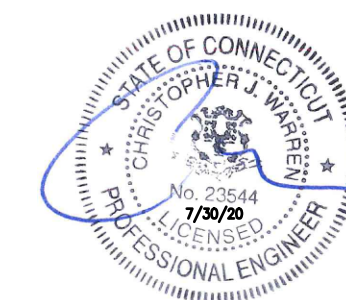
411177

ATC SITE NAME:

**BARKHAMSTEDW CT
CONNECTICUT**

SITE ADDRESS:
14 OLD NORTH ROAD
BARKHAMSTED, CT 06063

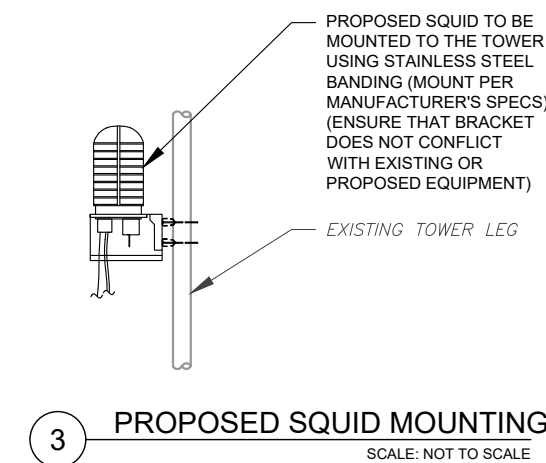
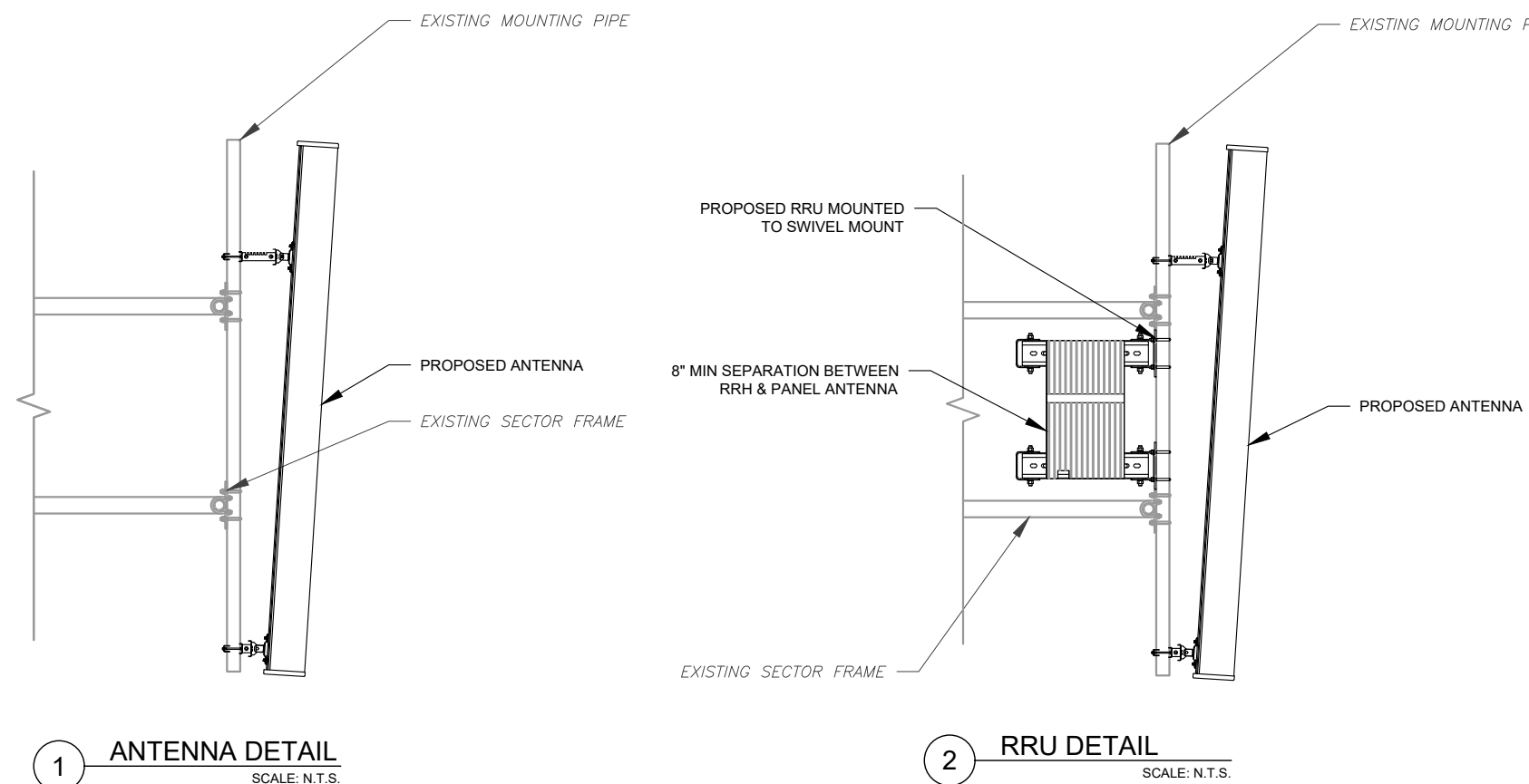
SEAL:



DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

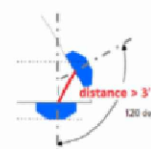
MOUNT DETAILS

SHEET NUMBER:	REVISION:
C-501	0



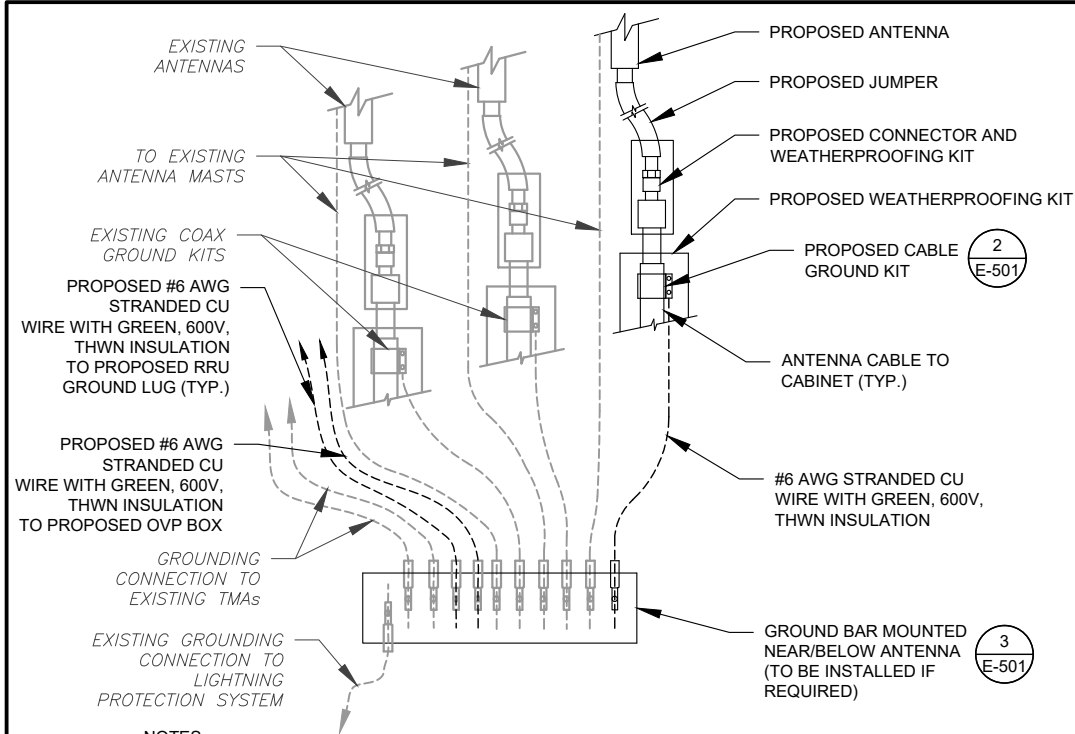
RF REQUIREMENTS FOR 700 B14 FIRSTNET, 700 B12, 700D B29 ANTENNA SEPARATION

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



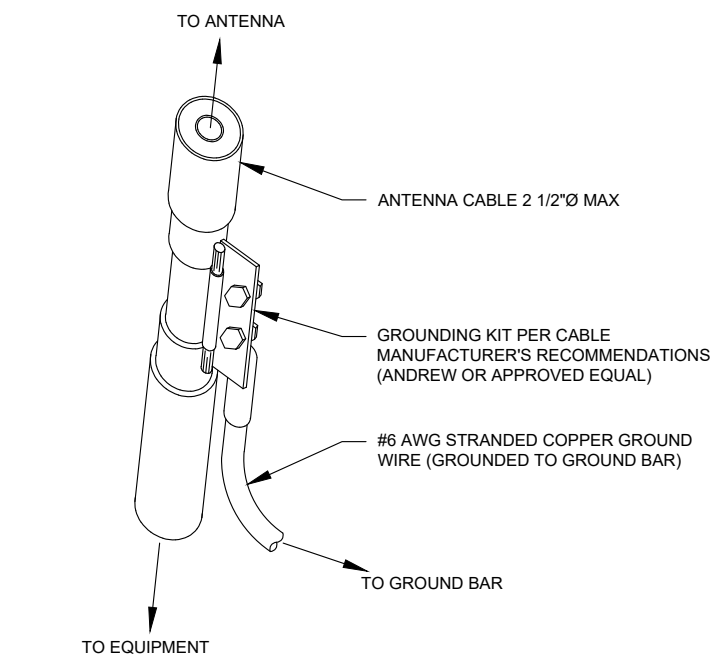
- Please note additional horizontal separation may be required if B14 antennas azimuth are different from others or antennas are severely angled with respect to the mount.
- Typical 3' horizontal separation can tolerate skew angle up to 6°.





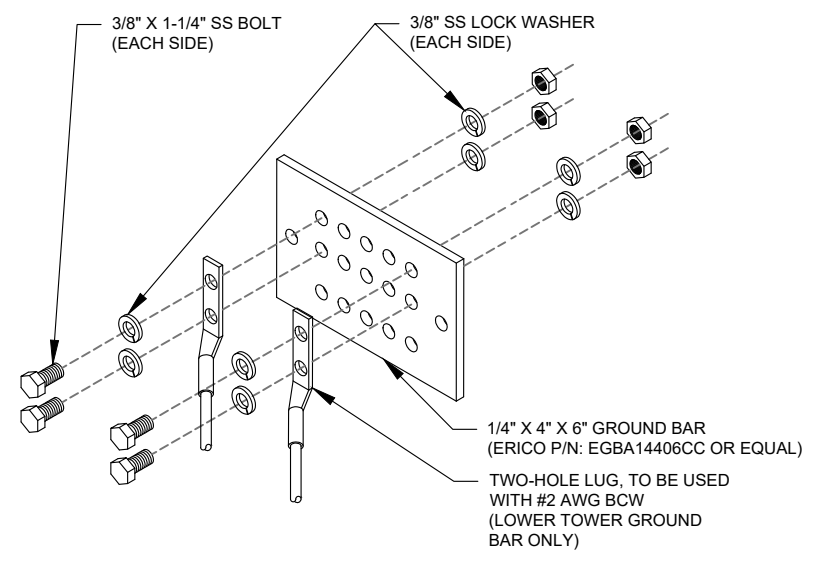
- NOTES:**
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
 2. SITE GROUNDING SHALL COMPLY WITH AT&T 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.



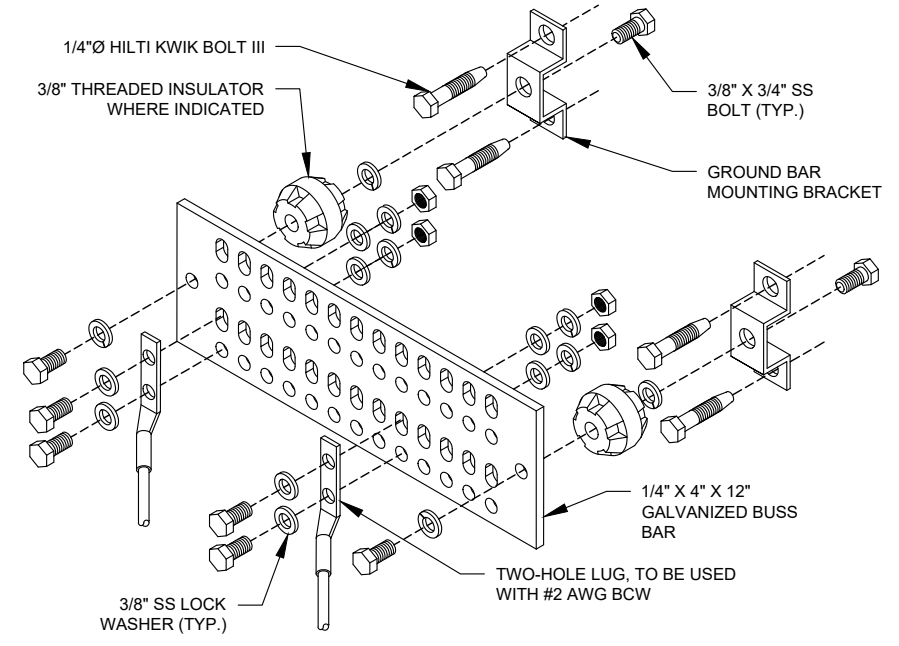
- GROUND KIT NOTES:**
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

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



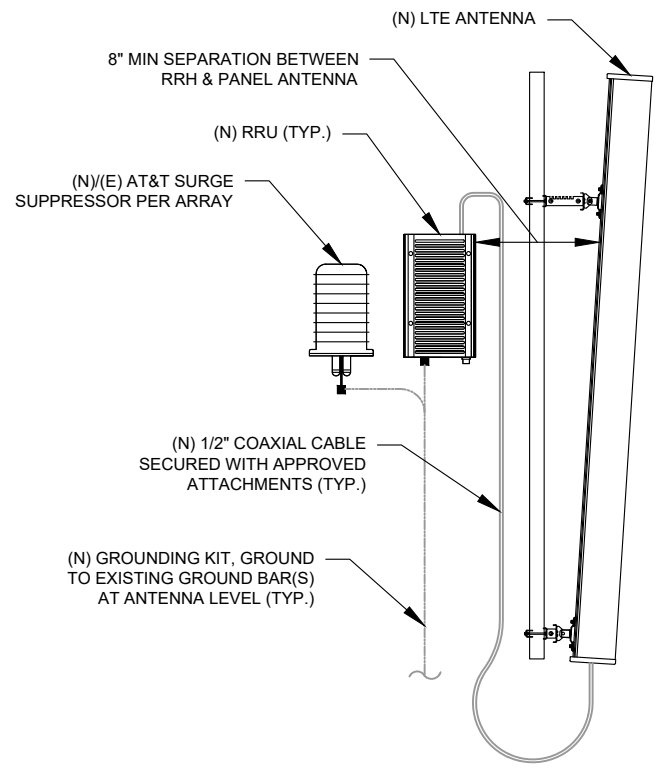
- GROUND BAR NOTES:**
1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

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.



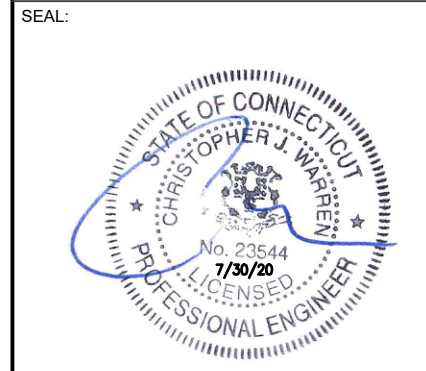
5 ANTENNA/RRU GROUNDING
SCALE: N.T.S.



INFINIGY ENGINEERING, PLLC
2255 SEWELL MILL RD, SUITE 130
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JOB NUMBER 1009-Z0003-C

REV.	DESCRIPTION	BY	DATE
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0	FOR CONSTRUCTION	CES	07/30/20

ATC SITE NUMBER:
411177
ATC SITE NAME:
BARKHAMSTEDW CT CONNECTICUT
SITE ADDRESS:
14 OLD NORTH ROAD
BARKHAMSTED, CT 06063

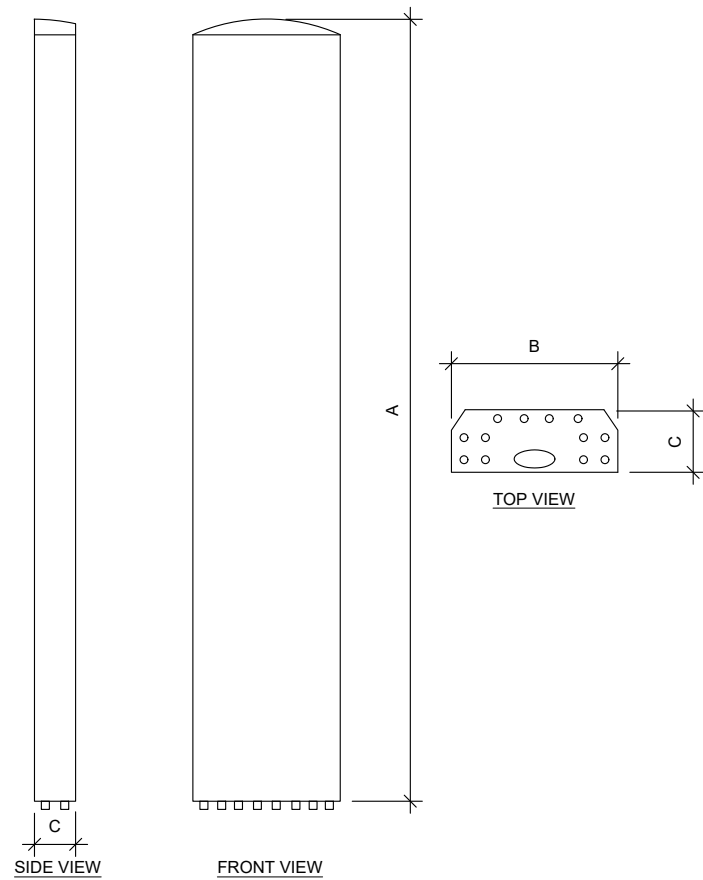


DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

GROUNDING DETAILS

SHEET NUMBER: E-501	REVISION: 0
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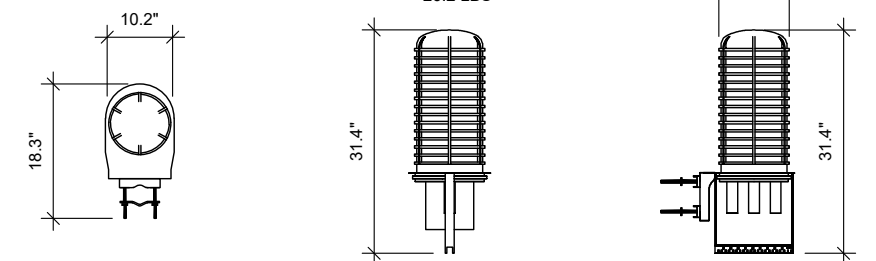


ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
CCI DMP65R-BU6DA	71.2"	20.7"	7.7"	79.4
CCI DMP65R-BU4DA	48.0"	20.7"	7.7"	67.9
CCI OPA65R-BU6DA-K	71.2"	21.0"	7.8"	60.2
CCI OPA65R-BU4DA	48.2"	21.0"	7.8"	52.5

1 PROPOSED ANTENNA DETAILS SCALE: N.T.S.

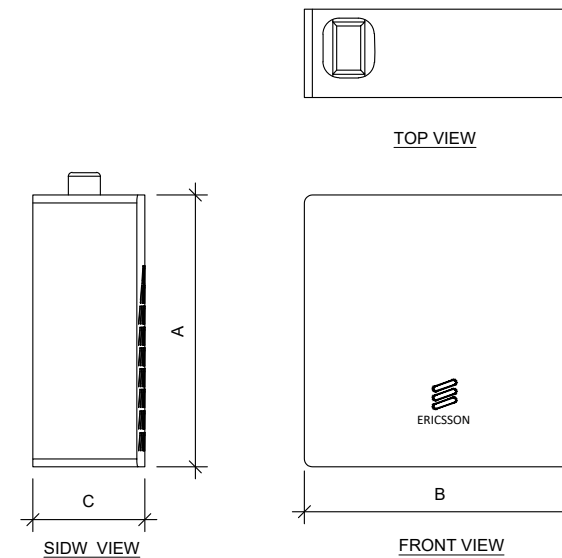
RAYCAP DC6-48-60-18-8C-EV
DIMENSIONS, WxDxH: 260x464x797mm (10.2"x18.2"x31.4")

NOMINAL OPERATING VOLTAGE: 48 VDC
 NOMINAL DISCHARGE CURRENT: 20 kA 8/20us
 MAXIMUM SURGE CURRENT: 90 kA 8/20us
 MAXIMUM CONTINUOUS OPERATION VOLTAGE: 60 VDC
 VOLTAGE PROTECTION RATING: 330V
 WIND LOADING: 150MPH SUSTAINED (105.7 LBS)
 195 MPH GUST (213.6 LBS)
 TOTAL WEIGHT: 26.2 LBS



CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION

2 PROPOSED DC6-48-60-18-8C-EV DETAILS SCALE: N.T.S.



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
ERICSSON 4449 B5/B12	17.9"	13.2"	9.4"	71
ERICSSON 4478 B14	16.5"	13.4"	7.7"	59.9
ERICSSON 8843 B2/B66A	14.9"	13.2"	10.9"	72.0

3 PROPOSED RRU DETAILS SCALE: N.T.S.

REV.	DESCRIPTION	BY	DATE
A	FOR REVIEW	CES	06/26/20
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ATC SITE NUMBER:
411177

ATC SITE NAME:
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CONNECTICUT

SITE ADDRESS:
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BARKHAMSTED, CT 06063

SEAL:



DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

SUPPLEMENTAL

SHEET NUMBER:
R-601

REVISION:
0

REV.	DESCRIPTION	BY	DATE
A	FOR REVIEW	CES	06/26/20
0	FOR CONSTRUCTION	CES	07/30/20

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DATE DRAWN:	07/30/20
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CUSTOMER #:	CTL01186

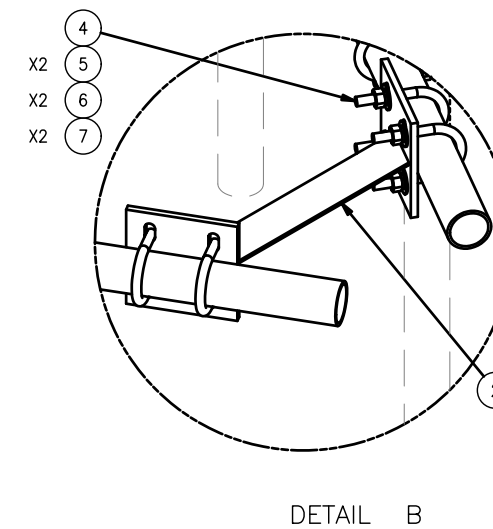
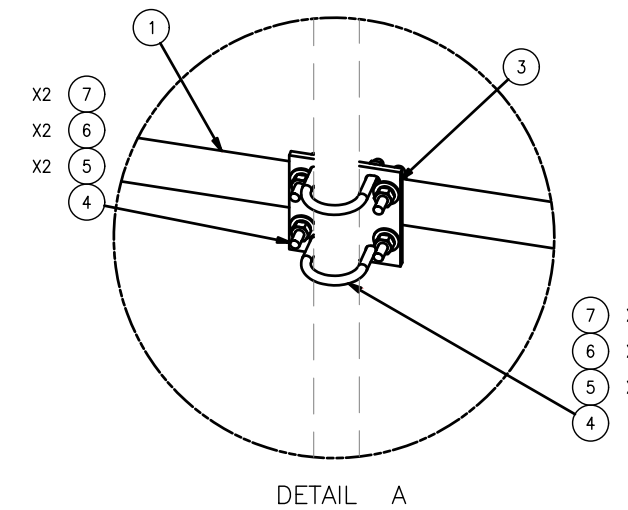
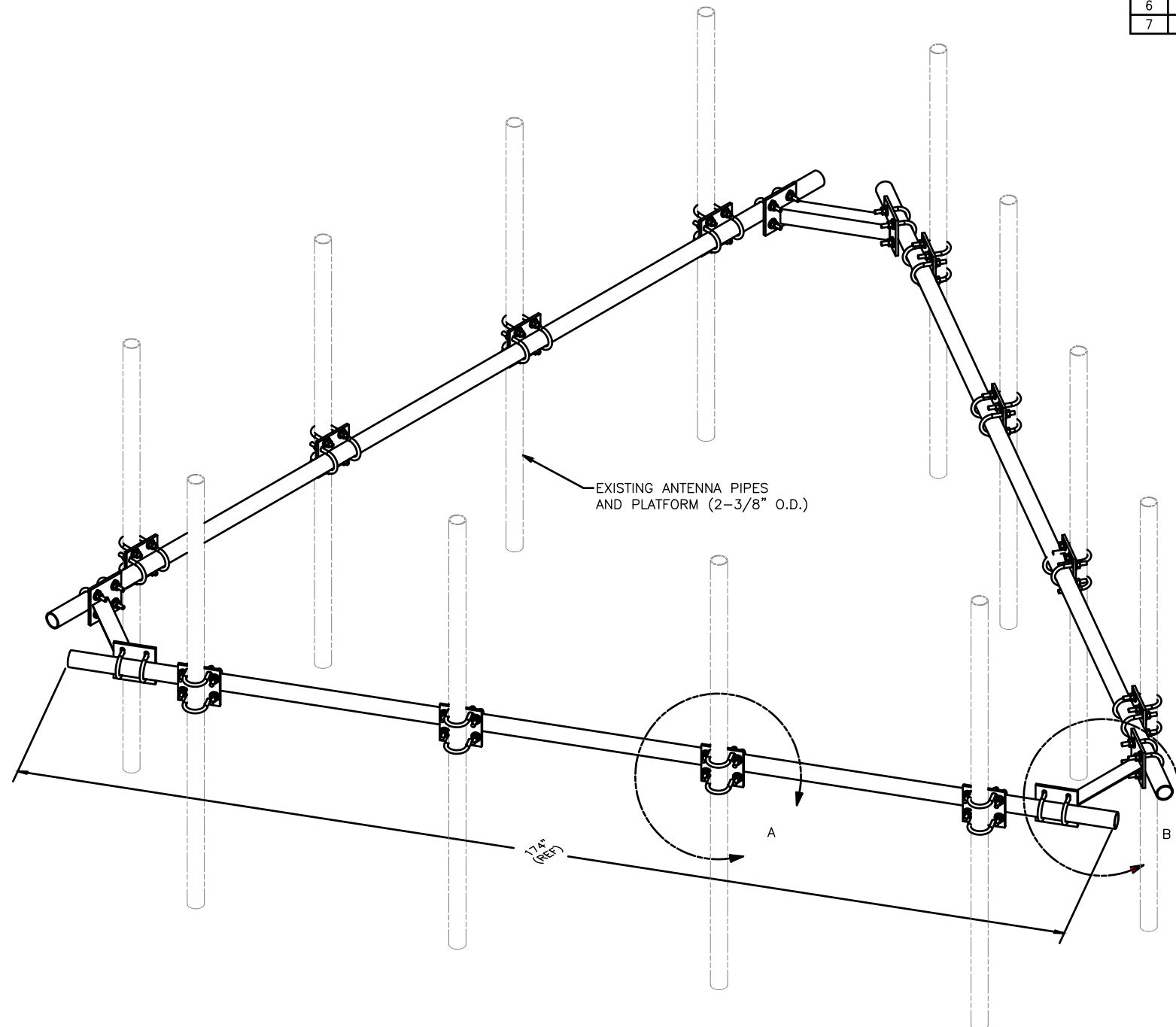
SUPPLEMENTAL

SHEET NUMBER:
R-602

REVISION:
0

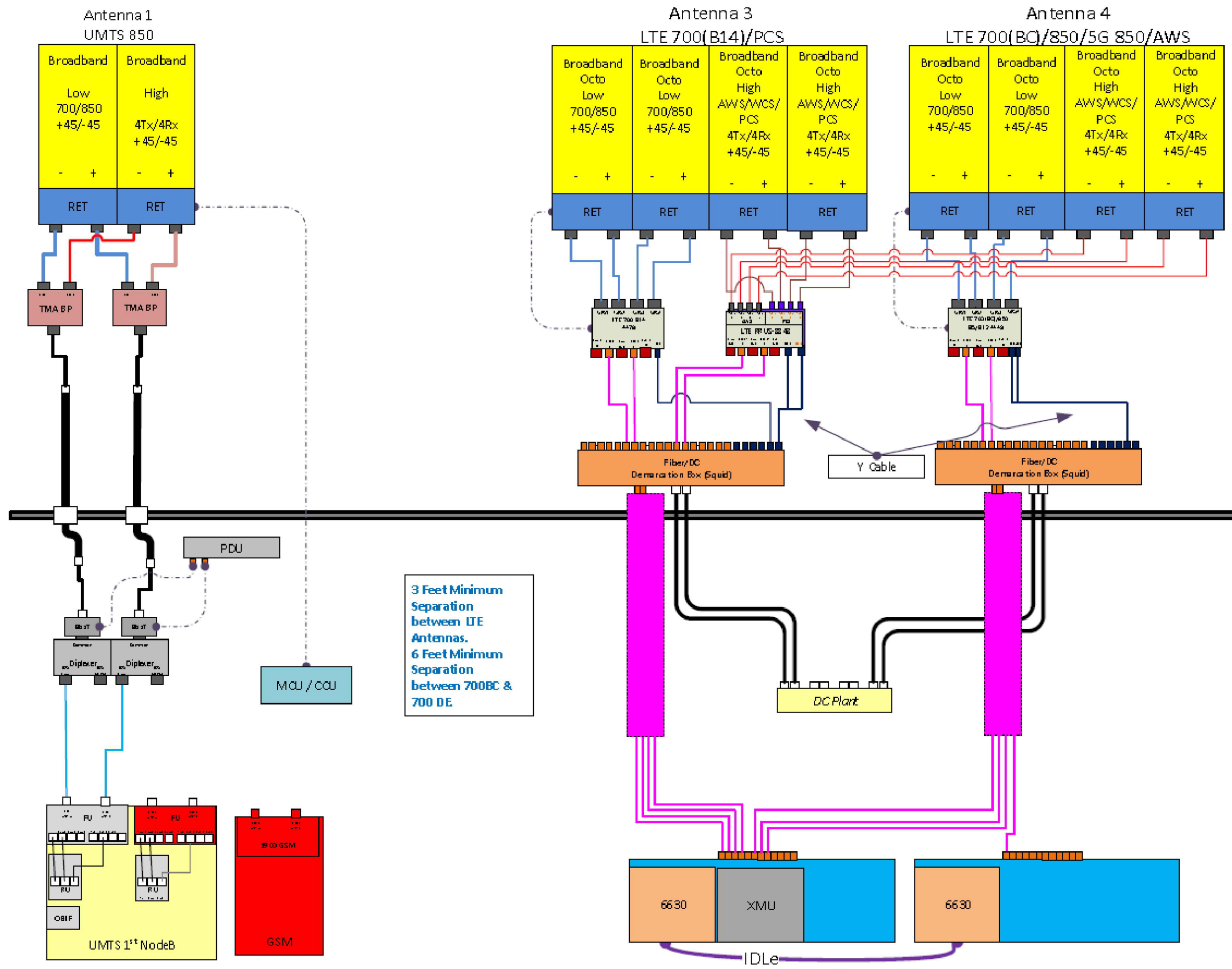
PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	P2174	2-3/8" OD X 174" SCH 40 GALVANIZED PIPE	174 in	55.75	167.24
2	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.92	38.76
3	12	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"		3.71	44.50
4	60	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.73	43.90
5	120	G12FW	1/2" HDG USS FLATWASHER		0.03	4.08
6	120	G12LW	1/2" HDG LOCKWASHER		0.01	1.67
7	120	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	8.58
					TOTAL WT. #	ITEM

SITEPRO1 HANDRAIL KIT
MODEL#: HRK14



1 PROPOSED HRK14 DETAIL
SCALE: N.T.S.

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1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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



INFINIGY
ENGINEERING, PLLC
2255 SEWELL MILL RD, SUITE 130
MARIETTA, GA 30062
JOB NUMBER 1009-Z0003-C

REV.	DESCRIPTION	BY	DATE
△	FOR REVIEW	CES	06/26/20
△	FOR CONSTRUCTION	CES	07/30/20
△			
△			

ATC SITE NUMBER:
411177
ATC SITE NAME:
BARKHAMSTEDW CT CONNECTICUT
SITE ADDRESS:
14 OLD NORTH ROAD
BARKHAMSTED, CT 06063

SEAL:



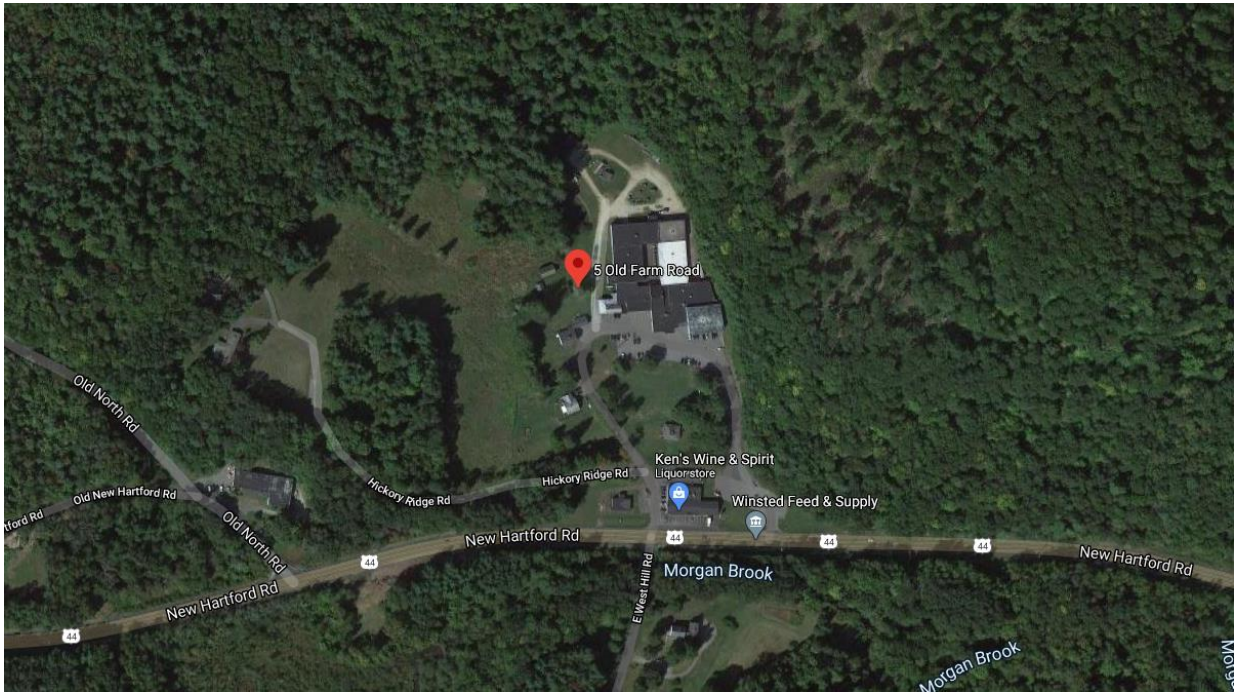
DATE DRAWN:	07/30/20
ATC JOB NO:	13242504
CUSTOMER ID:	BARKHAMSTED OLD FARM ROAD
CUSTOMER #:	CTL01186

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-603	0

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EXHIBIT 2



☰ 5 Old Farm Road, Barkhamsted, CT 🔍 | ✕



5 Old Farm Rd
Barkhamsted, CT 06063



Directions



Save



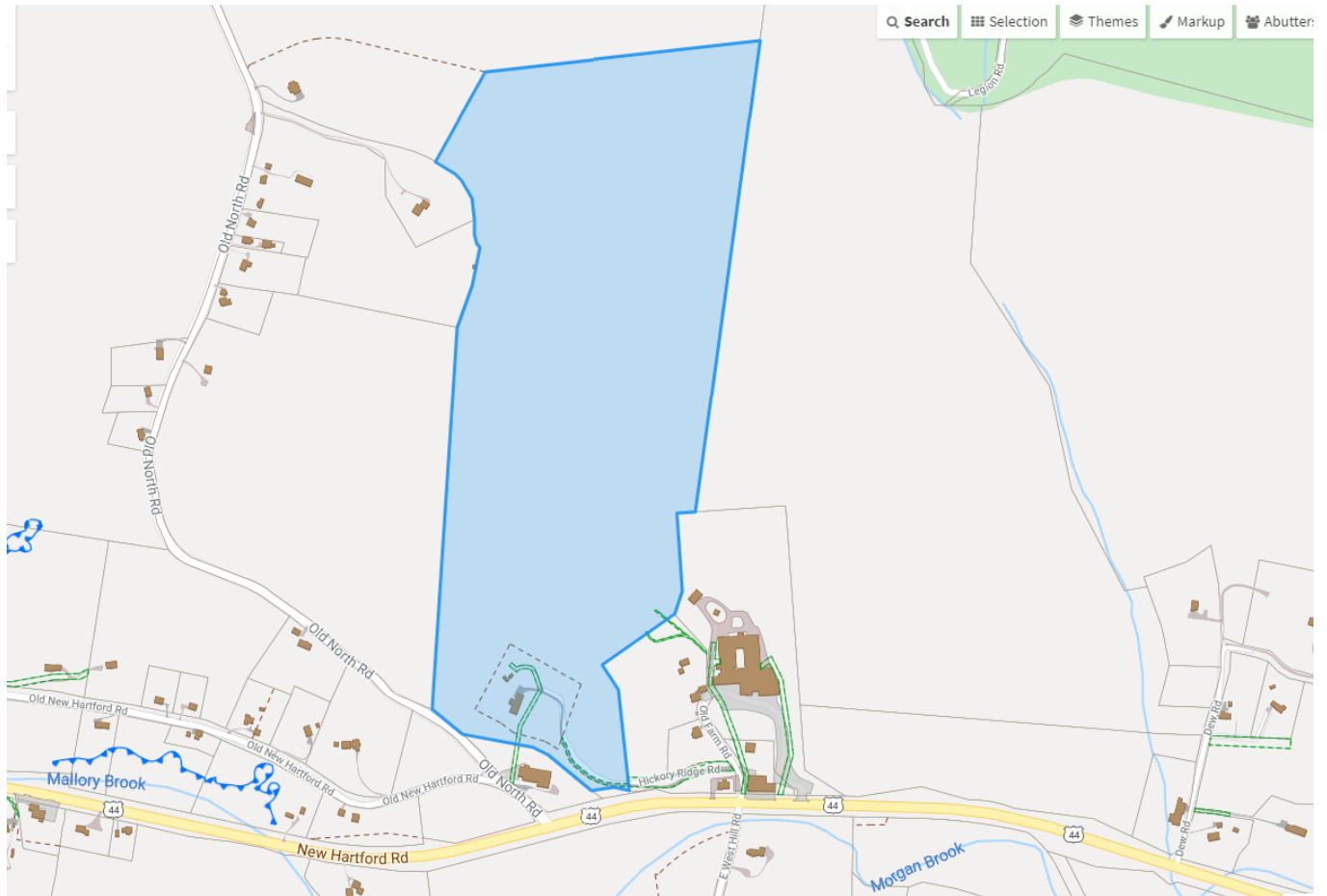
Nearby



Send to your
phone



Share



CURRENT OWNER				TOPO	UTILITIES	STRT / ROAD	LOCATION	CURRENT ASSESSMENT				
LAVIERI JOHN N & ETHEL C				2	Above Street			Description	Code	Appraised	Assessed	6005
5 OLD FARM RD								RES LAND	1-1	70,810	49,570	
BARKHAMSTED CT 06063								RES EXCES	1-2	18,240	12,770	BARKHAMSTED, CT
SUPPLEMENTAL DATA								DWELLING	1-3	212,260	148,580	
Alt Prcl ID 29-12-1A				DV Lot #				IND LAND	3-1	250,000	175,000	
B.P. Status				Solar Ener				IND IMPR	3-3	15,600	10,920	
Census Tr.				BAA				FOREST	6-2	456,000	19,150	
Interior				Callback								
100 Yr Flo				PA490 Dat								
DV Map # 1004; 962: 789				Assoc Pid#								
GIS ID								Total		1,022,910	415,990	VISION

RECORD OF OWNERSHIP								BK-VOL/PAGE	SALE DATE	Q/U	V/I	SALE PRICE	VC	PREVIOUS ASSESSMENTS (HISTORY)									
LAVIERI JOHN N & ETHEL C								0169	0132	07-11-2018	U	I	0	01	Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
LAVIERI JOHN N & ETHEL C								0169	0130	07-11-2018	U	I	175,000	01	2019	1-1	49,570	2018	1-1	49,570	2017	1-1	47,210
LAVIERI JOHN N & ETHEL C								0157	0681	09-18-2013	U	I	0	04		1-2	12,770		1-2	12,770		1-2	5,600
LAVIERI JOHN N & ETHEL C								0061	0459	03-15-1978		V	0			1-3	148,580		1-3	148,580		1-3	126,850
															3-1	175,000		3-1	175,000		3-1	175,000	
															3-3	10,920		3-3	10,920		3-3	10,500	
															Total	415990		Total	415990		Total	365160	

EXEMPTIONS				OTHER ASSESSMENTS				This signature acknowledges a visit by a Data Collector or Assessor												
Year	Code	Description	Amount	Code	Description	Number	Amount	Comm Int												
Total			0.00																	

ASSESSING NEIGHBORHOOD						APPRAISED VALUE SUMMARY						
Nbhd	Nbhd Name	Street Index Name	Tracing	Batch								
0001												
NOTES												
BOUNDARY LINE AGREEM VOL 157/681						169/130 116.853 XFER TO JOHN N LAVIERI						
						FR 15 OLD FARM RD 29/12/1-FINAL PIECE						
06-02-06 CINGULAR WIRELESS FACILITY						169/132 THEN XFER TO JOHN N & ETHEL C						
2010 = ADJUST FOR LAND LEASE TO CELL CO.						LAVIERI						
VERIZON WIRELESS/AMERICAN TOWER						SHED= 12X7						
						Total Appraised Parcel Value						1,022,910
						Valuation Method						C
						Total Appraised Parcel Value						1,022,910

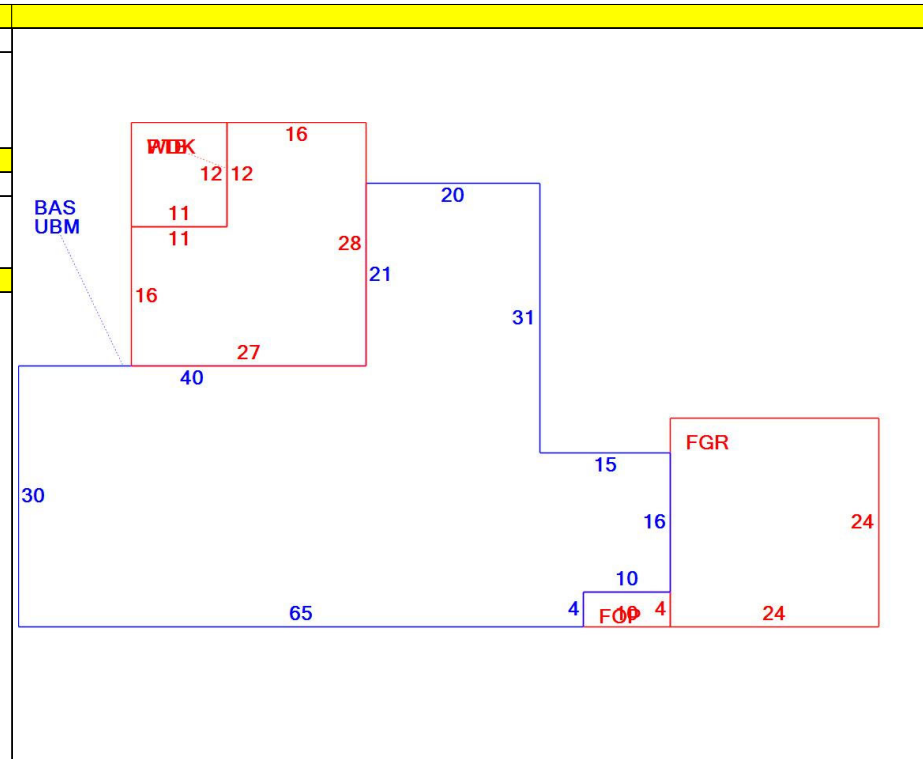
BUILDING PERMIT RECORD										VISIT / CHANGE HISTORY					
Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments	Date	Id	Type	Is	Cd	Purpost/Result	
18-296-E	10-25-2018	GN	Generator	13,500		100	04-30-2019	inst backup generator for cell t	06-28-2018	MVS			33	Datamailer sent	
14-10-69	10-15-2014	OT	Other	20,000		100		new antennas, swap radio cabi	10-30-2008	JQ			50	Field Review	
13-10-65	10-23-2013	RW	Repl Windows	10,405		100		5 basement windows	08-20-2008	DW	1		00	Meas. and List	
13-01-03	01-09-2013	OT	Other	25,000		100		3 new antennas etc	05-01-2008	DW	1		01	Measured	
12-06-31	06-05-2012	OT	Other	16,500		100		change out 6 antennas on cell							
2118	10-19-2010	EL	Electric	5,000		100									
10-09-57	09-08-2010	OT	Other	29,100		100	11-29-2010	install antennas & ground equi							

LAND LINE VALUATION SECTION																	
B	Use Code	Description	Zone	Land Type	Land Units	Unit Price	Size Adj	Site Index	Cond.	Nbhd.	Nbhd. Adj.	Notes	Special Use	Location Adjustment	Adj Unit Pri	Land Value	
1	101	Single Family	I-2		2.000 AC	61,963	0.57142	5	1.00	5	1.000		0	1.00		70,810	
1	101	Single Family	I-2		4.560 AC	4,000	1.00000	0	1.00		1.000		0	1.00		18,240	
1	610	Forest	RA-2		114.000 AC	4,000	1.00000	0	1.00		1.000	PA490 START DATE 10/1/2018	490	240	1.00	456,000	
Total Card Land Units					120.560 AC	Parcel Total Land Area					120.7200 AC	Total Land Value					545,050

CONSTRUCTION DETAIL			CONSTRUCTION DETAIL (CONTINUED)		
Element	Cd	Description	Element	Cd	Description
Style:	01	Ranch			
Model	01	Residential			
Grade:	09	C+			
Occupancy	1				
Exterior Wall 1	08	Wood			
Exterior Wall 2					
Roof Structure:	03	Gable			
Roof Cover	03	Asphalt Shingl			
Interior Wall 1	05	Drywall			
Interior Wall 2					
Interior Flr 1	12	Hardwood			
Interior Flr 2					
Heat Fuel	02	Oil			
Heat Type:	05	Hot Water			
AC Type:	01	none			
Total Bedrooms	03	3 Bedrooms			
Total Bthrms:	3	3 Full			
Total Half Baths	1				
Total Rooms:	7				
Bath Style:	02	Average			
Kitchen Style:	02	Average			
Fireplace	1				
Whirlpool Tubs					
Fin Basement	1600				
Fin Bsmt Qual	5	Average			
Bsmt. Garages					

MIXED USE		
Code	Description	Percentage
101	Single Family	100
		0
		0

COST / MARKET VALUATION		
Adj. Base Rate		94.92
RCN		307,621
Year Built		1964
Depreciation Code		A
Remodel Rating		
Year Remodeled		
Depreciation %		31
Functional Obsol		
External Obsol		
Cost Trend Factor		1
Condition		
Condition %		
Percent Good		69
RCNLD		212,260
Dep % Ovr		
Dep Ovr Comment		
Misc Imp Ovr		
Misc Imp Ovr Comment		
Cost to Cure Ovr		
Cost to Cure Ovr Comment		



OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)												
Cod	Description	Sub	Sub Desc	L/B	Units	Unit Price	Yr Blt	Cond.	% Gd	Grade	Grd A	Appr. Valu

BUILDING SUB-AREA SUMMARY SECTION				
Code	Description	Living Area	Gross Area	
BAS	First Floor	2,480	2,480	
FGR	Garage	0	576	
FOP	Framed Open Porch	0	40	
PTB	Brick/Stone Patio	0	132	
UBM	Unfin Basement	0	2,480	
WDK	Wood Deck	0	624	
Ttl Gross Liv / Lease Area		2,480	6,332	



CURRENT OWNER				TOPO	UTILITIES	STRT / ROAD	LOCATION	CURRENT ASSESSMENT				6005 BARKHAMSTED, CT			
LAVIERI JOHN N & ETHEL C				2 Above Street				Description	Code	Appraised	Assessed		VISION		
5 OLD FARM RD BARKHAMSTED CT 06063				SUPPLEMENTAL DATA Alt Prcl ID 29-12-1A B.P. Status Census Tr. Interior 100 Yr Flo DV Map # 1004; 962: 789 GIS ID				RES LAND	1-1	70,810	49,570				
								RES EXCES	1-2	18,240	12,770				
								DWELLING	1-3	212,260	148,580				
								IND LAND	3-1	250,000	175,000				
								IND IMPR	3-3	15,600	10,920				
								FOREST	6-2	456,000	19,150				
								Total		1,022,910	415,990				
RECORD OF OWNERSHIP				BK-VOL/PAGE	SALE DATE	Q/U	V/I	SALE PRICE	VC	PREVIOUS ASSESSMENTS (HISTORY)					
LAVIERI JOHN N & ETHEL C				0169 0132	07-11-2018	U	I	0	01	Year	Code	Assessed		Year	Code
LAVIERI JOHN N & ETHEL C				0169 0130	07-11-2018	U	I	175,000	01	2019	1-1	49,570	2018	1-1	49,570
LAVIERI JOHN N & ETHEL C				0157 0681	09-18-2013	U	I	0	04		1-2	12,770		1-2	5,600
LAVIERI JOHN N & ETHEL C				0061 0459	03-15-1978	U	V	0			1-3	148,580		1-3	126,850
											3-1	175,000		3-1	175,000
											3-3	10,920		3-3	10,500
								Total		415990	Total	415990	Total	365160	

EXEMPTIONS				OTHER ASSESSMENTS				PREVIOUS ASSESSMENTS (HISTORY)							
Year	Code	Description	Amount	Code	Description	Number	Amount	Comm Int	Year	Code	Assessed	Year	Code	Assessed	
			0.00						This signature acknowledges a visit by a Data Collector or Assessor						
Total								APPRAISED VALUE SUMMARY Appraised Bldg. Value (Card) 212,260 Appraised Xf (B) Value (Bldg) 0 Appraised Ob (B) Value (Bldg) 15,600 Appraised Land Value (Card) 795,050 Total Appraised Parcel Value 1,022,910 Valuation Method C							

ASSESSING NEIGHBORHOOD				
Nbhd	Nbhd Name	Street Index Name	Tracing	Batch
0001				

NOTES										VISIT / CHANGE HISTORY					
Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments	Date	Id	Type	Is	Cd	Purpost/Result	
LAND LEASE AGREEMENT FOR CELL TOWER VOL 131/46 MONOPOLE W/18 RECEIVERS 75X57 FENCED COMPOUND															

BUILDING PERMIT RECORD															
Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments	Date	Id	Type	Is	Cd	Purpost/Result	

LAND LINE VALUATION SECTION																	
B	Use Code	Description	Zone	Land Type	Land Units	Unit Price	Size Adj	Site Index	Cond.	Nbhd.	Nbhd. Adj.	Notes	Special Use	Location Adjustment	Adj Unit Pri	Land Value	
2	350	Cell Tower	I-2		0.160 AC	0	1.00000	0	1.00		1.000	6,750SF LEASE	0	1.00		250,000	
Total Card Land Units					0.160 AC	Parcel Total Land Area					120.7200 AC	Total Land Value					250,000

CONSTRUCTION DETAIL			CONSTRUCTION DETAIL (CONTINUED)		
Element	Cd	Description	Element	Cd	Description
Style:	94	Outbuildings			
Model:	00	Vacant			
Grade:					
Occupancy					
Exterior Wall 1					
Exterior Wall 2					
Roof Structure:					
Roof Cover					
Interior Wall 1					
Interior Wall 2					
Interior Flr 1					
Interior Flr 2					
Heat Fuel					
Heat Type:					
AC Type:					
Total Bedrooms					
Total Bthrms:					
Total Half Baths					
Total Rooms:					
Bath Style:					
Kitchen Style:					
Fireplace					
Whirlpool Tubs					
Fin Basement					
Fin Bsmt Qual					
Bsmt. Garages					
			MIXED USE		
			Code	Description	Percentage
			350	Cell Tower	100
					0
					0
			COST / MARKET VALUATION		
			Adj. Base Rate		0
			RCN		
			Year Built		
			Depreciation Code		
			Remodel Rating		
			Year Remodeled		
			Depreciation %		
			Functional Obsol		
			External Obsol		
			Cost Trend Factor	1	
			Condition		
			Condition %		
			Percent Good		
			RCNLD		
			Dep % Ovr		
			Dep Ovr Comment		
			Misc Imp Ovr		
			Misc Imp Ovr Comment		
			Cost to Cure Ovr		
			Cost to Cure Ovr Comment		

No Sketch

OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)												
Cod	Description	Sub	Sub Desc	L/B	Units	Unit Price	Yr Blt	Cond.	% Gd	Grade	Grd A	Appr. Valu
SHD	Cell Equip	FR	Frame	L	240	26.00	2006		100		0.00	6,240
SHD	Cell Equip	FR	Frame	L	360	26.00	2006		100		0.00	9,360

BUILDING SUB-AREA SUMMARY SECTION			
Code	Description	Living Area	Gross Area
Ttl Gross Liv / Lease Area		0	0



EXHIBIT 3



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 144 ft Monopole
ATC Site Name : BARKHAMSTEDW CT, CT
ATC Asset Number : 411177
Engineering Number : 13242504_C3_03
Proposed Carrier : AT&T MOBILITY
Carrier Site Name : MRCTB047269
Carrier Site Number : CTL01186
Site Location : 14 Old North Road
Barkhamsted, CT 06063-3440
41.914500,-73.022200
County : Litchfield
Date : June 17, 2020
Max Usage : 74%
Result : Pass



Prepared By:
Lyle Morin
Structural Engineer I

Reviewed By:

COA: PEC.0001553



Table of Contents

Introduction	1
Supporting Documents	1
Analysis	1
Conclusion.....	1
Existing and Reserved Equipment.....	2
Equipment to be Removed.....	2
Proposed Equipment	2
Structure Usages	3
Foundations	3
Deflection, Twist, and Sway.....	3
Standard Conditions	4
Calculations	Attached



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 144 ft monopole to reflect the change in loading by AT&T MOBILITY.

Supporting Documents

Tower Drawings	EI Project #13841, dated December 8, 2005
Foundation Drawing	EI Project #13841, dated December 8, 2005
Geotechnical Report	JGI Project #05704G, dated November 30, 2005
Modifications	Centeck Project #12063.CO32 Rev. 1, dated November 29, 2012

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	115 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	$S_s = 0.17, S_1 = 0.05$
Site Class:	D - Stiff Soil

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

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.



Existing and Reserved Equipment

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
146.0	1	VZW Unused Reserve (12557.88 sqin)	Low Profile Platform	(18) 1 5/8" Coax	VERIZON WIRELESS
	3	Antel BXA-70063/6CF (5" depth)			
	3	Antel BXA-171063/12CF__2 FP			
145.0	6	Antel LPA-80080/4CF ____			
134.0	1	Raycap DC6-48-60-18-8F(32.8 lbs)	Platform with Handrails	(1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (6) 1 5/8" Coax	AT&T MOBILITY
	6	Powerwave Allgon LGP21401			
	3	Powerwave Allgon 7770.00			
125.0	3	Ericsson KRY 112 144/1	T-Arm	(18) 1 5/8" Coax	T-MOBILE
	3	Ericsson KRY 112 71			
	6	RFS APX16DWV-16DWV-S-E-ACU			
	3	Commscope LNX-6515DS-VTM			
	3	Kathrein Scala Smart Bias Tee			

Equipment to be Removed

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
134.0	1	Andrew ABT-DMDF-ADBH	-	(6) 1 5/8" Coax (1) 3" conduit	AT&T MOBILITY
	6	Powerwave Allgon LGP21401			
	2	KMW AM-X-CD-16-65-00T-RET			
	1	KMW AM-X-CD-14-65-00T-RET			
	3	Powerwave Allgon 7770.00			
	6	Ericsson RRU for AWS - 1700/2100			

Proposed Equipment

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
134.0	3	Powerwave Allgon LGP13519	Platform with Handrails	(1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (2) 2" conduit	AT&T MOBILITY
	1	Raycap DC6-48-60-18-8F(32.8 lbs)			
	3	Ericsson RRUS 4478 B14			
	3	Ericsson RRUS 4449 B5, B12			
	1	CCI DMP65R-BU4D			
	1	CCI OPA65R-BU4DA-K			
	2	CCI DMP65R-BU6DA			
	2	CCI OPA65R-BU6D			

¹ Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

Install proposed coax inside the pole shaft.



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	53%	Pass
Shaft	63%	Pass
Base Plate	46%	Pass
Reinforcement	74%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	2,530.5	3,416.2	2,264.9	66%
Shear (Kips)	24.2	32.7	20.6	63%

* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2

The structure base reactions resulting from this analysis are acceptable when compared to those shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
134.0	Powerwave Allgon LGP13519	AT&T MOBILITY	1.440	1.333
	Raycap DC6-48-60-18-8F(32.8 lbs)			
	Ericsson RRUS 4478 B14			
	Ericsson RRUS 4449 B5, B12			
	CCI DMP65R-BU4D			
	CCI OPA65R-BU4DA-K			
	CCI DMP65R-BU6DA			
	CCI OPA65R-BU6D			

*Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-H



Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

EXHIBIT 4



SMJ International LLC
 49030 Pontiac Trail, Suite 100
 Wixom, MI 48393
 (616) 745-4777
info@smj-llc.com

**STRUCTURAL EVALUATION LETTER
 ANTENNA MOUNT ANALYSIS**



SITE INFORMATION:

Site Name: MRCTB047269
 Site Type: Monopole
 Site Address: 5 Old Farm Road, Barkhamsted, Litchfield County, CT
 AT&T Mobility Site Number: CTL01186

CURRENT WIND CRETERIA:

1. Meets 2018 Connecticut State Building Code / 2015 IBC
2. ANSI/TIA/EIA-222-H Standard

DATA SOURCES:

1. Preview Exhibit by American Tower Corporation, dated June 10, 2020
2. Radio Frequency Data Sheet (RFDS No. 3765297) by AT&T Mobility, dated June 01, 2020
3. Construction Drawings by Centek Engineering, dated December 03, 2012

ASSUMPTIONS:

1. Tower mount and connections were built in accordance with the manufacturer's specifications, TIA/EIA-222 standard, and governing building code.
2. The tower mounting system and connections have been maintained in accordance with the manufacturer's specification.
3. Tower mount connections and attachments are assumed not to control the design of mounting system and have been assumed adequate based on main member capacities.

Table 1 - Final Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Antenna Model	Mount Pipe Number	Antenna mount system
134.0	134.0	(1) CCI OPA65R-BU4DA-K	3	14' Platform
		(1) CCI DMP65R-BU4D	4	
		(2) CCI OPA65R-BU6D	3	
		(2) CCI DMP65R-BU6DA	4	
		(3) Powerwave Allgon 7770.00	1	
		(6) Powerwave Allgon LGP21401	1	
		(3) Powerwave Allgon LGP13519	1	
		(2) Raycap DC6-48-60-18-8F	-	
		(3) Ericsson RRUS 4478 B14	3	
		(3) Ericsson RRUS 4449 B5, B12	4	

CONCLUSION:

Based on our analysis, we have determined the existing mount structure **is** sufficient for the final loading configuration. If existing condition in the field differ from those shown on the above referenced documents or the antenna loading is modified to be other than that shown on Table 1, this review letter will be required to be revised.

Table 2 - Mount Analysis Result

Mount Centerline (ft)	Mount Capacity	Necessary Modification
134.0	Sufficient (53.2%)	-

We at SMJ International, LLC appreciate the opportunity of providing our continuing professional services. If you have any questions or need further assistance on this or any other projects, please give us a call.

EXHIBIT 5



**Lawrence Behr
Associates** INC
www.lbagroup.com

Radio Frequency Emissions Report

SITE NAME:

411177 Barkhamstedw CT

LOCATION:

Barkhamsted, Connecticut

COMPANY:

**American Tower Corporation
Woburn, Massachusetts**

September 13th, 2020

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DISCLAIMER NOTICE

This work is based upon our best interpretation of available information. However, these data and their interpretation are constantly changing. Therefore, we do not warrant that any undertaking based on this report will be successful, or that others will not require further research or actions in support of this proposal or future undertaking. In the event of errors, our liability is strictly limited to replacement of this document with a corrected one. Liability for consequential damages is specifically disclaimed. Any use of this document constitutes an agreement to hold Lawrence Behr Associates, Inc. and its employees harmless and indemnify it for any and all liability, claims, demands, and litigation expenses and attorney's fees arising out of such use.

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GREENVILLE, NORTH CAROLINA

RADIO FREQUENCY EMISSIONS REPORT

411177 Barkhamstedw CT

Barkhamsted, Connecticut

INTRODUCTION

Lawrence Behr Associates, Inc. (LBA) has been retained by American Tower Corporation (ATC) of Woburn, Massachusetts to evaluate the RF emissions of an existing tower at this location. AT&T is adding emitters to this site and the purpose of this study is to determine if, after the addition of the AT&T emitters, the site is in Compliance with FCC Regulations. This study determined that THIS SITE IS IN COMPLIANCE with Federal Regulations.

Details regarding the FCC Rules and the methodology used to determine compliance may be seen below.

SITE AND FACILITY CONSIDERATIONS

Site 411177 Barkhamstedw CT is located at 14 Old North Road in Barkhamsted, Connecticut at coordinates 41.91452, -73.02222. The support structure is a 145' monopole.

All data used in this study was provided by one or more of the following sources:

1. ATC furnished data
2. Compiled from carrier and manufacturer standard configurations
3. Empirical data collected by LBA

AT&T proposes to add antennas to the tower at the 137' level. The structure already supports several antennas. This study only considers the new AT&T facility in detail.

The load list may be seen in Appendix 1. Appendix 2 contains the AT&T channel counts, frequency bands, and power levels. AT&T Antenna information may be seen in Appendix 3.

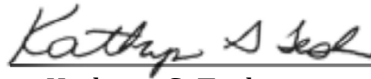
POWER DENSITY CALCULATIONS

Based upon the provided information and the FCC limits for exposure as outlined in 47 CFR 1.1307(b)(1) - (b)(3), the power levels and percentages of the FCC's allowable general population limit are shown in Appendix 4. Calculations were done at industry standard average head height of six feet above ground level.

A summary of the power density from all emitters may be seen in Appendix 5.

These limits are based upon the Information Relating to MPE Standards found in Appendix 6. Study methodology may be seen in Appendix 7, which describes the Non-Ionizing Radiation Prediction Models. Approximate radiation patterns may be found in Appendix 5. This site ***IS*** in compliance with FCC OET-65 MPE limits.

September 13th, 2020



Kathryn G. Tesh
Wireless Services Manager



APPENDIX 1 *Load List*

Proposed	Customer	RAD Height (ft)	Equipment Quantity	Equipment Type	Manufacturer	Model Number	Line Quantity	Line size	Mount Type	Azimuths	TX Frequency	RX Frequency
No	VERIZON WIRELESS	147	3	PANEL	Antel	BXA-70063/6CF (5" depth)			Low Profile Platform	40/130/320		
No	VERIZON WIRELESS	147	3	PANEL	Antel	BXA-171063/12CF_2 FP	9	1 5/8" Coax	Low Profile Platform	40/130/320		
No	VERIZON WIRELESS	147	6	PANEL	Antel	LPA-80080/4CF	9	1 5/8" Coax	Low Profile Platform	40/130/320		
No	AT&T MOBILITY	137	1	PANEL	KMW	AM-X-CD-14-65-OOT-RET			Low Profile Platform	30/150/270		
No	AT&T MOBILITY	137	6	PANEL	Powerwave Allgon	7770.00	12	1 5/8" Coax	Low Profile Platform	30/150/270	1975-1982, 1982-1990, 704-716	1975-1982, 1982-1990, 704-716
No	AT&T MOBILITY	137	2	PANEL	KMW	AM-X-CD-16-65-OOT-RET			Low Profile Platform	30/150/270		
No	T-MOBILE	127	3	PANEL	RFS	APX16DWW-16DWW-S-E-ACU	18	1 5/8" Coax	T-Arm	0/120/240	1935-1945, 2140-2155, 698-734	1740-1755, 1855-1865, 2140-2155, 698-734
No	T-MOBILE	127	3	PANEL	Commscope	LNx-6515DS-VTM			T-Arm	0/120/240	1935-1945, 2140-2155, 698-734	1740-1755, 1855-1865, 2140-2155, 698-734



APPENDIX 2

AT&T Channels Used

Antenna	Technology	Frequency Band	Channel Count	Transmitter Power per Channel (W)
AT&T A1	LTE	1900	1	40
AT&T A2	LTE	1900	1	40
AT&T A3	LTE	700	1	40
AT&T B1	LTE	1900	1	40
AT&T B2	LTE	1900	1	40
AT&T B3	LTE	700	1	40
AT&T C1	LTE	1900	1	40
AT&T C2	LTE	1900	1	40
AT&T C3	LTE	700	1	40



APPENDIX 3

AT&T Antenna Information

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	AT&T A1	Powerwave Allgon 7770.00	137
A	AT&T A2	Powerwave Allgon 7770.00	137
A	AT&T A3	Powerwave Allgon 7770.00	137
B	AT&T B1	Powerwave Allgon 7770.00	137
B	AT&T B2	Powerwave Allgon 7770.00	137
B	AT&T B3	Powerwave Allgon 7770.00	137
C	AT&T C1	Powerwave Allgon 7770.00	137
C	AT&T C2	Powerwave Allgon 7770.00	137
C	AT&T C3	Powerwave Allgon 7770.00	137



APPENDIX 4

FCC OET-65 MPE Limit Study

Antenna ID	Antenna Make / Model	Frequency Band	Antenna Gain (dBd)	Antenna Height (ft)	Channel Count	TX Power (W)	ERP (W) (All Channels)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Allowable Public MPE ($\mu\text{W}/\text{cm}^2$)	Public MPE%
AT&T A1	Powerwave Allgon 7770.00	1900	13.35	137	1	40	1419.25	2.505683	1000.00	0.250568%
AT&T A2	Powerwave Allgon 7770.00	1900	13.35	137	1	40	1419.25	2.505683	1000.00	0.250568%
AT&T A3	Powerwave Allgon 7770.00	700	11.45	137	1	40	916.35	0.2404247	466.67	0.051520%
AT&T B1	Powerwave Allgon 7770.00	1900	13.35	137	1	40	1419.25	2.505683	1000.00	0.250568%
AT&T B2	Powerwave Allgon 7770.00	1900	13.35	137	1	40	1419.25	2.505683	1000.00	0.250568%
AT&T B3	Powerwave Allgon 7770.00	700	11.45	137	1	40	916.35	0.2404247	466.67	0.051520%
AT&T C1	Powerwave Allgon 7770.00	1900	13.35	137	1	40	1419.25	2.505683	1000.00	0.250568%
AT&T C2	Powerwave Allgon 7770.00	1900	13.35	137	1	40	1419.25	2.505683	1000.00	0.250568%
AT&T C3	Powerwave Allgon 7770.00	700	11.45	137	1	40	916.35	0.2404247	466.67	0.051520%
AT&T All Sectors									Total:	1.6580%



APPENDIX 5

Summary of Power Density

Carriers	Power Density Value (% of General Population)
AT&T All Sectors:	1.6580%
Other Carriers:	54.6973%
Site Total:	56.3553%
Site Compliance Status:	Compliant



APPENDIX 6

Information Pertaining to MPE Studies

In 1985, the FCC first adopted guidelines to be used for evaluating human exposure to RF emissions. The FCC revised and updated these guidelines on August 1, 1996, as a result of a rule-making proceeding initiated in 1993. The new guidelines incorporate limits for Maximum Permissible Exposure (MPE) in terms of electric and magnetic field strength and power density for transmitters operating at frequencies between 300 kHz and 100 GHz.

The FCC's MPE limits are based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits were developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC's limits, and the NCRP and ANSI/IEEE limits on which they are based, are derived from exposure criteria quantified in terms of specific absorption rate (SAR). The basis for these limits is a whole-body averaged SAR threshold level of 4 watts per kilogram (4 W/kg), as averaged over the entire mass of the body, above which expert organizations have determined that potentially hazardous exposures may occur. The MPE limits are derived by incorporating safety factors that lead, in some cases, to limits that are more conservative than the limits originally adopted by the FCC in 1985. Where more conservative limits exist, they do not arise from a fundamental change in the RF safety criteria for whole-body averaged SAR, but from a precautionary desire to protect subgroups of the general population who, potentially, may be more at risk.

The FCC exposure limits are also based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300 MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies, whole-body absorption is less efficient, and consequently, the MPE limits are less restrictive.

MPE limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm²), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/m). The far-field of a transmitting antenna is where the electric field vector (E), the



magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal ("plane-wave" conditions).

The FCC guidelines define two separate tiers of exposure limits. As defined by the FCC, these limits are:

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 (see below), 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.

General population/uncontrolled exposure limits apply to situations in which the general public 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 public 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. Additional details can be found in FCC OET 65.

For the purposes of this study, only General population/uncontrolled exposure limits were studied.

APPENDIX 7

MPE Standards Methodology

This study predicts RF field strength and power density levels that emanate from communications system antennae. It considers all transmitter power levels (less filter and line losses) delivered to each active transmitting antenna at the communications site. Calculations are performed to determine power density and MPE levels for each antenna as well as composite levels from all antennas. The calculated levels are based on where a human (Observer) would be standing at various locations at the site. The point of interest where the MPE level is predicted is based on the height of the Observer.

Compliance with the FCC limits on RF emissions are determined by spatially averaging a person's exposure over the projected area of an adult human body, that is approximately six-feet or two-meters, as defined in the ANSI/IEEE C95.1 standard. The MPE limits are specified as time-averaged exposure limits. This means that exposure is averaged over an identifiable time interval. It is 30 minutes for the general population/uncontrolled RF environment and 6 minutes for the occupational/controlled RF environment. However, in the case of the general public, time averaging should not be applied because the general public is typically not aware of RF exposure and they do not have control of their exposure time. Therefore, it should be assumed that any RF exposure to the general public will be continuous.

The FCC's limits for exposure at different frequencies are shown in the following Tables.

Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3 - 3.0	614	1.63	100*	6
3.0 - 30	1842/f	4.89/f	900/F ²	6
30 - 300	61.4	0.163	1.0	6
300 - 1500	--	--	f/300	6
1500 - 100,000	--	--	5	6



Where:

f = frequency

* = Plane-wave equivalent power density

Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3 - 1.34	614	1.63	100*	30
1.34 - 30	824/f	2.19/f	180/F ²	30
30 - 300	27.5	0.073	0.2	30
300 - 1500	--	--	f/1500	30
1500 - 100,000	--	--	1.0	30

Where:

f = frequency

* = Plane-wave equivalent power density

General population/uncontrolled exposures apply in situations in which the general public may be exposed or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

It is important to understand that these limits apply cumulatively to all sources of RF emissions affecting a given area. For example, if several different communications system antennas occupy a shared facility such as a tower or rooftop, then the total exposure from all systems at the facility must be within compliance of the FCC guidelines.

The field strength emanating from an antenna can be estimated based on the characteristics of an antenna radiating in free space. There are basically two field areas associated with a radiating antenna. When close to the antenna, the region is known as the Near Field. Within this region, the characteristics of the RF fields are very complex and the wave front is extremely curved. As you move further from the antenna, the wave front has less curvature and becomes planar. The wave front still

has a curvature but it appears to occupy a flat plane in space (plane-wave radiation). This region is known as the Far Field.

Two models are utilized to predict Near and Far field power densities. They are based on the formulae in FCC OET 65. As this study is concerned only with Near Field calculations, we will only describe the model used for this study. For additional details, refer to FCC OET Bulletin 65.

Cylindrical Model (Near Field Predictions)

Spatially averaged plane-wave equivalent power densities parallel to the antenna may be estimated by dividing the antenna input power by the surface area of an imaginary cylinder surrounding the length of the radiating antenna. While the actual power density will vary along the height of the antenna, the average value along its length will closely follow the relation given by the following equation:

$$S = P \div 2\pi RL$$

Where:

S = Power Density

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

For directional-type antennas, power densities can be estimated by dividing the input power by that portion of a cylindrical surface area corresponding to the angular beam width of the antenna. For example, for the case of a 120-degree azimuthal beam width, the surface area should correspond to 1/3 that of a full cylinder. This would increase the power density near the antenna by a factor of three over that for a purely omni-directional antenna. Mathematically, this can be represented by the following formula:

$$S = (180 / \theta_{BW}) P \div \pi RL$$

Where:

S = Power Density

θ_{BW} = Beam width of antenna in degrees (3 dB half-power point)

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

If the antenna is a 360-degree omni-directional antenna, this formula would be equivalent to the previous formula.

Spherical Model (Far Field Predictions)

Spatially averaged plane-wave power densities in the Far Field of an antenna may be estimated by considering the additional factors of antenna gain and reflective waves that would contribute to exposure.

The radiation pattern of an antenna has developed in the Far Field region and the power gain needs to be considered in exposure predictions. Also, if the vertical radiation pattern of the antenna is considered, the exposure predictions would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential four-fold increase in power density.

These additional factors are considered and the Far Field prediction model is determined by the following equation:

$$S = EIRP \times Rc \div 4\pi R^2$$

Where:

S = Power Density

EIRP = Effective Radiated Power from antenna

Rc = Reflection Coefficient (2.56)

R = Distance from the antenna

The EIRP includes the antenna gain. If the antenna pattern is considered, the antenna gain is relative based on the horizontal and vertical pattern gain values at that particular location in space, on a rooftop or on the ground. However, it is recommended that the antenna radiation pattern characteristics not be considered to provide a conservative "worst case" prediction. This is the equation is utilized for the Far Field exposure predictions herein.

EXHIBIT 6

Allison Hebel

From: Debbie Brydon <dbrydon@barkhamsted.us>
Sent: Wednesday, September 16, 2020 3:00 PM
To: Allison Hebel
Subject: RE: AT&T // CT1186 // 5 Old Farm Road

Allison:

I have final approval reports from the generator install in 2019. I do not have any approvals from 2006 when the original tower went in.

Let me know if any of this will help you.

Debbie Brydon
Land Use Administrator
Town of Barkhamsted

From: Allison Hebel [mailto:ahebel@clinellc.com]
Sent: Wednesday, September 16, 2020 11:56 AM
To: Debbie Brydon <dbrydon@barkhamsted.us>
Subject: AT&T // CT1186 // 5 Old Farm Road

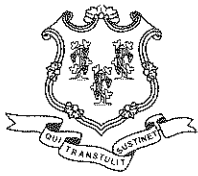
Hi Debra,

I am looking to obtain a copy of the original cell tower approval for the tower located at 5 old farm road? Can you provide this document? If not please let me know.

Best Regards,



Allison Hebel | Site Acquisition Consultant
750 West Center St. Suite 301 | West Bridgewater, MA 02379
Phone: 215.588.7035 Fax: 508.819.3017
ahebel@clinellc.com | www.centerlinecommunications.com



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

December 21, 2012

Melanie Howlett
HPC Wireless Services
46 Mill Plain Road, Floor 2
Danbury, CT 06811

RE: **EM-CING-005-121207** –New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 5 Old Farms Road, Barkhamsted, Connecticut.

Dear Ms. Howlett:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Prior to antenna installation, the tower modifications identified in the Structural Analysis Report and Reinforcement Design prepared by Centek Engineering dated November 29, 2012, and stamped by Carlo Centore shall be implemented; and
- Not more than 45 days following completion of the antenna installation, a signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be submitted to the Council to certify that the recommended modifications have been completed and the tower does not exceed 100 percent of the post-construction structural rating.
- Any deviation from the proposed modification as specified in this notice and supporting materials with Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Not more than 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated December 7, 2012 Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency

emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,



Linda Roberts
Executive Director

LR/CDM/cm

c: The Honorable Donald S. Stein, First Selectman, Town of Barkhamsted
Debra Bryden, Zoning Enforcement Officer, Town of Barkhamsted

EXHIBIT 7

UPS CampuShip: View/Print Label

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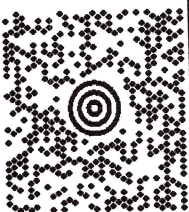

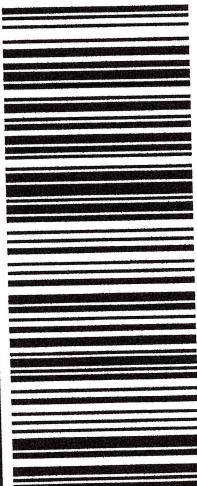

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3731 BREWERTON RD
SYRACUSE, NY 13212

FOLD HERE

ALLISON HEBEL 2155887035 CENTERLINE COMMUNICATIONS 59 BAYBERRY CIRCLE LIVERPOOL, NY 130902934		1 LBS DWT: 12.9, 1	1 OF 1
SHIP TO: JOHN LAVIERI 5 OLD FARM ROAD BARHAMSTED CT 06063-3374			
		CT 067 9-02 	
UPS GROUND TRACKING #: 1Z 9Y4 503 03 2718 5407			
			
BILLING: P/P			
CS 22.0.12. WNTINVS0 31.0A. 07/2020*			

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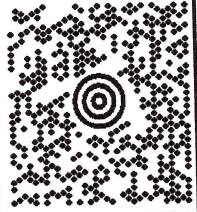

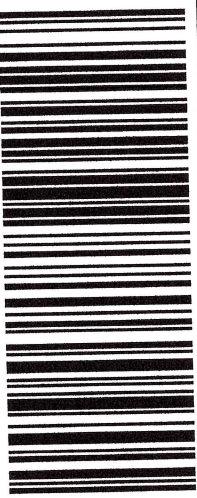

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3731 BREWERTON RD
SYRACUSE, NY 13212

FOLD HERE

ALLISON HEBEL 2155887035 CENTERLINE COMMUNICATIONS 59 BAYBERRY CIRCLE LIVERPOOL, NY 130902934	1 LBS DWT: 12.9,1	1 OF 1
SHIP TO: CRAIG CORBETT AMERICAN TOWER CORP 10 PRESIDENTIAL WAY WOBURN MA 01801-1053		
	MA 018 9-04 	
UPS GROUND TRACKING #: 1Z 9Y4 503 03 2673 8795		
		
BILLING: P/P		
C5 22.0-12, WNTNVS0 31.0A 07/2020* 		

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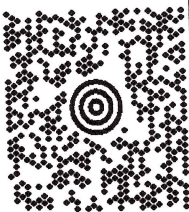

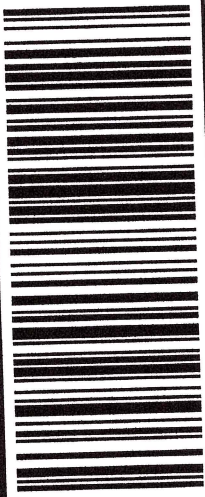

Customers without a Daily Pickup
Take your package to any location of The UPS Store®, UPS Access Point™ location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampuShip and select UPS Locations.
Schedule a same day or future day Pickup to have a UPS driver pickup all your CampuShip packages.
Hand the package to any UPS driver in your area.

UPS Access Point™
ADVANCE AUTO PARTS STORE 6538
8410 OSWEGO RD
LIVERPOOL, NY 13090

UPS Access Point™
THE UPS STORE
8417 OSWEGO RD
BALDWINSVILLE, NY 13027

UPS Access Point™
ADVANCE AUTO PARTS STORE 6324
3731 BREWERTON RD
SYRACUSE, NY 13212

FOLD HERE

ALLISON HEBEL 2155867035 CENTERLINE COMMUNICATIONS 59 BAYBERRY CIRCLE LIVERPOOL, NY 130902934		1 LBS DWT: 12.9,1	1 OF 1
SHIP TO: ZONING ADMINISTRATOR TOWN OF BARKHAMSTED 67 RIPLEY HILL RD BARKHAMSTED CT 06063-3329			
		CT 067 9-02 	
UPS GROUND TRACKING #: 1Z 9Y4 503 03 2598 5181			
			
BILLING: P/P			
CS 22.0.12. WINTNV50 31.0A 07/2020*			

UPS Campusship: View/Print Label

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. Fold the printed label at the solid line below. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. GETTING YOUR SHIPMENT TO UPS

Customers with a Daily Pickup
Your driver will pickup your shipment(s) as usual.

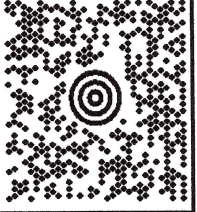

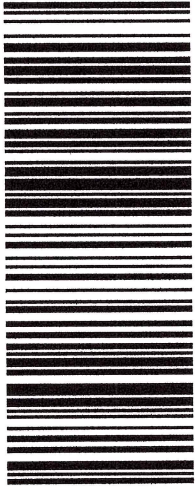
Customers without a Daily Pickup
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UPS Access Point™
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3731 BREWERTON RD
SYRACUSE, NY 13212

FOLD HERE

ALLISON HEBEL 2155887035 CENTERLINE COMMUNICATIONS 59 BAYBERRY CIRCLE LIVERPOOL, NY 130902934	1 LBS DWWT: 12.9,1	1 OF 1
SHIP TO: SELECTMAN'S OFFICE TOWN OF BARKHAMSTED 67 RIPLEY HILL RD BARKHAMSTED CT 06063-3329		
		CT 067 9-02
UPS GROUND TRACKING #: 1Z 9Y4 503 03 3402 4577		
		
BILLING: P/P		
CS 22.0.12. WINTNV50.31.0A.07/2020*		
