

April 26, 2022

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

Re: Notice of Exempt Modifications – AT&T Site CT5403
AT&T Telecommunications Facility @ 605 Willard Ave Newington, CT 06111

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC (“AT&T”) currently maintains a wireless telecommunications facility on an existing +/- 198’ monopole tower at the above referenced address, latitude 41.69837222, longitude -72.73714722. Said monopole tower is owned and managed by American Tower Corporation.

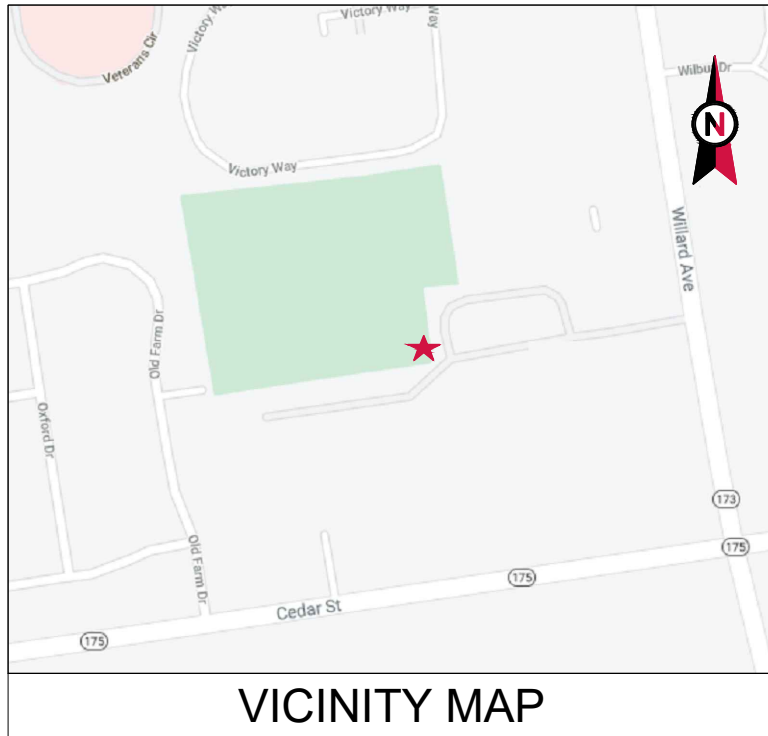
AT&T desires to modify its existing telecommunications facility by replacing six (6) antennas, adding (4) antennas, removing (3) TMAs, removing (3) diplexers, replacing one (1) surge arrestor with the associated cables as more particularly detailed and described on the enclosed Construction Drawings prepared by Hudson Design Group LLC., last revised on April 25, 2022. The centerline height of the existing antennas is and will remain at 156 feet, however the new antennas will be stacked with a centerline of 154 feet and 158 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: Keith Chapman Town Manager for the Town of Newington; Renata Bertotti Town Planner; American Tower Corporation as Tower Owner and Newington High School 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.

EXHIBIT 1



VICINITY MAP



AMERICAN TOWER®

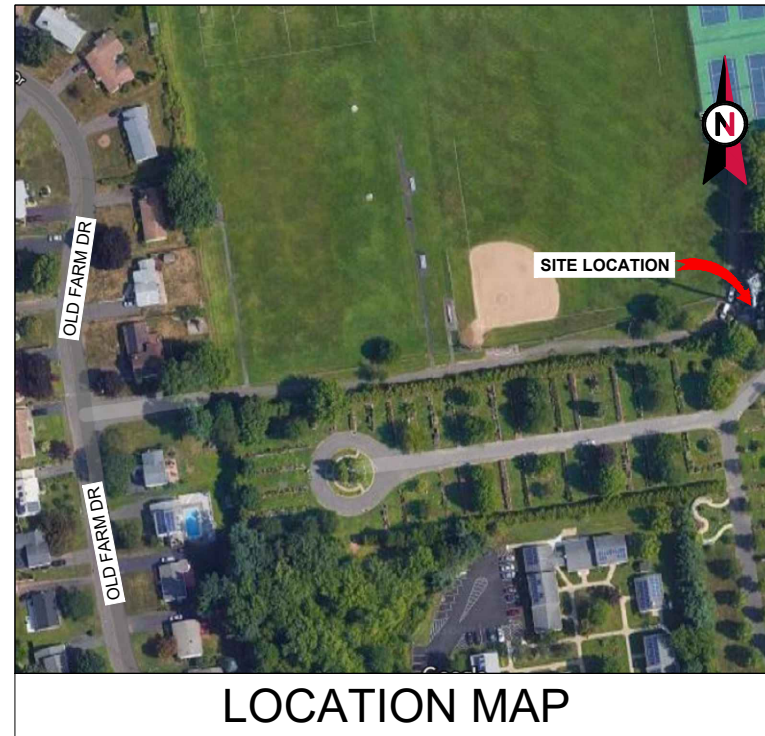
ATC SITE NAME: NEWINGTON CT
 ATC SITE NUMBER: 370627
 AT&T PACE NUMBERS: MRCTB051644,
 MRCTB051590,
 MRCTB05267

AT&T SITE ID: CTV5403
 AT&T FA CODE: 10071165
 AT&T SITE NAME: NEWINGTON CENTRAL
 SITE ADDRESS: 605 WILLARD AVE.

NEWINGTON, CT 06111-0000

AT&T

5G NR RADIO // 5G NR 1S CBAND AMENDMENT PLAN



LOCATION MAP



45 BEECHWOOD DRIVE TEL: (978) 557-5553
 N. ANDOVER, MA 01845 FAX: (978) 336-5586

| REV. | DESCRIPTION | BY | DATE |
|------|--------------------|----|----------|
| A | PRELIM | VS | 03/04/22 |
| 0 | FINALS | BB | 03/21/22 |
| 1 | FINALS REVISED | TR | 04/25/22 |
| 2 | CONSTRUCTION FINAL | BB | 05/02/22 |

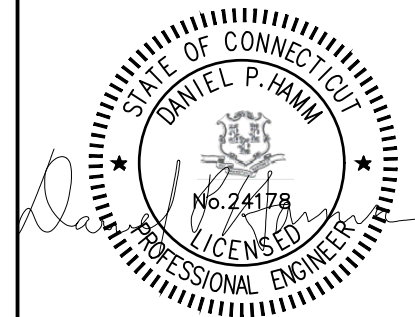
ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

AT&T SITE NAME:
NEWINGTON CENTRAL

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111-0000

SEAL:



| | |
|--------------|-------------|
| DATE DRAWN: | 11/22/21 |
| ATC JOB NO: | 13682696_D1 |
| CUSTOMER ID: | CTV5403 |
| CUSTOMER #: | 10071165 |

TITLE SHEET

| | |
|-------------------------------|-----------------------|
| SHEET NUMBER: G-001 | REVISION: 2 |
|-------------------------------|-----------------------|

| COMPLIANCE CODE | PROJECT SUMMARY | PROJECT DESCRIPTION | SHEET INDEX | | | | |
|---|---|---|--|--------------|-------------|-------|----------|
| <p>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.</p> <p>1. INTERNATIONAL BUILDING CODE (IBC) 2. NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES</p> | <p><u>SITE ADDRESS:</u> 605 WILLARD AVE. NEWINGTON, CT 06111-0000 COUNTY: HARTFORD</p> <p><u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.69837348 LONGITUDE: -72.73713756 GROUND ELEVATION: 103' AMSL</p> | <p>THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:</p> <p><u>TOWER WORK:</u> REMOVE (6) ANTENNA(S), (3) TMA(S), (1) DC6 SQUID, (6) 1-5/8" COAX CABLE(S) AND (1) 3/8" RET CONTROL CABLE INSTALL MOUNT MODIFICATIONS, (9) ANTENNA(S), (1) DC9 SQUID, (1) 24SM .405" FIBER CABLE, (1) 1.15" DC CABLE AND (1) 2" CONDUIT EXISTING (6) ANTENNA(S), (15) RRH(S), (2) DC 6 SQUID(S), (6) 0.82" DC CABLE(S), (2) .92" DC CABLE(S), (1) 24SM .405" FIBER TRUNK, (1) 36SM .405" FIBER TRUNK AND (4) 2" CONDUIT(S) TO REMAIN</p> <p><u>GROUND WORK:</u> REMOVE (6) DIPLEXER(S)</p> | SHEET NO: | DESCRIPTION: | REV: | DATE: | BY: |
| | <p><u>PROJECT TEAM</u></p> <p><u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801</p> <p><u>APPLICANT:</u> AT&T MOBILITY</p> <p><u>ENGINEER:</u> HUDSON DESIGN GROUP, LLC. 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845</p> <p><u>PROPERTY OWNER:</u> TOWN OF NEWINGTON 605 WILLARD AVE. NEWINGTON, CT 06111-0000</p> | <p><u>PROJECT NOTES</u></p> <ol style="list-style-type: none"> THE FACILITY IS UNMANNED. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. HANDICAP ACCESS IS NOT REQUIRED. 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). | <p><u>PROJECT LOCATION DIRECTIONS</u></p> <p>FROM DOWNTOWN HARTFORD START OUT GOING SOUTH ON MAIN ST TOWARD WELLS ST. TURN LEFT ONTO SHELDON ST. TURN SLIGHT LEFT ONTO RAMP. MERGE ONTO WHITEHEAD HWY E. MERGE ONTO I-91 S TOWARD NEW HAVEN. MERGE ONTO US-5 S/CT-15 S VIA EXIT 28 TOWARD BERLIN TPKE/WETHERSFIELD/NEWINGTON. TAKE THE CT-175 E EXIT TOWARD WETHERSFIELD. TURN LEFT ONTO E CEDAR ST/CT-175. TURN RIGHT ONTO OLD FARM DR. 60 OLD FARM DR IS ON THE RIGHT.</p> | G-001 | TITLE SHEET | 2 | 05/02/22 |
| <p><u>UTILITY COMPANIES</u></p> <p>POWER COMPANY: EVERSOURCE ENERGY/56002 PHONE: 888.783.6617 TELEPHONE COMPANY: N/A PHONE: N/A</p> | <p>AT&T CX SCOPING NOTES:</p> <p>EXISTING (1) DC6-48-60-0-8F (3) 0.39" FIBER TRUNKS, (5) 0.78" 8AWG6 CABLES, (6) 1-5/8" COAX CABLES AND (1) 3/8" RET CONTROL CABLE (TO BE REMOVED)</p> <p>PROPOSED (1) DC9-48-60-24-8C-EV (3) 0.40" FIBER CABLE, (6) 0.82" 8AWG 6 CABLES (1) 1.15" CABLE AND (2) 2" CONDUITS</p> | | | | | | |



Know what's below.
Call before you dig.

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/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.
- STRUCTURAL STEEL NOTES:**
1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
 2. STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
 - A. ASTM A-572, GRADE 50 - ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
 - B. ASTM A-36 - ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
 - C. ASTM A-500, GRADE B - HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
 - D. ASTM A-325, TYPE SC OR N - ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
 - E. ASTM F-1554 07 - ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
 3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123, EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
 4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
 5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
 6. CONNECTIONS:
 - A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
 - B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE

- INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
- C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
 - D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
 - E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
 - F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
 - G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
 - H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
 - I. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND T- MOBILE PROJECT MANAGER IN WRITING

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 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 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.



45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

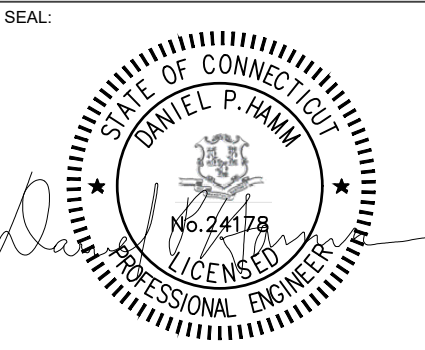
| REV. | DESCRIPTION | BY | DATE |
|------|--------------------|----|----------|
| A | PRELIM | VS | 03/04/22 |
| 0 | FINALS | BB | 03/21/22 |
| 1 | FINALS REVISED | TR | 04/25/22 |
| 2 | CONSTRUCITON FINAL | BB | 05/02/22 |
| | | | |

ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

AT&T SITE NAME:
NEWINGTON CENTRAL

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111-0000



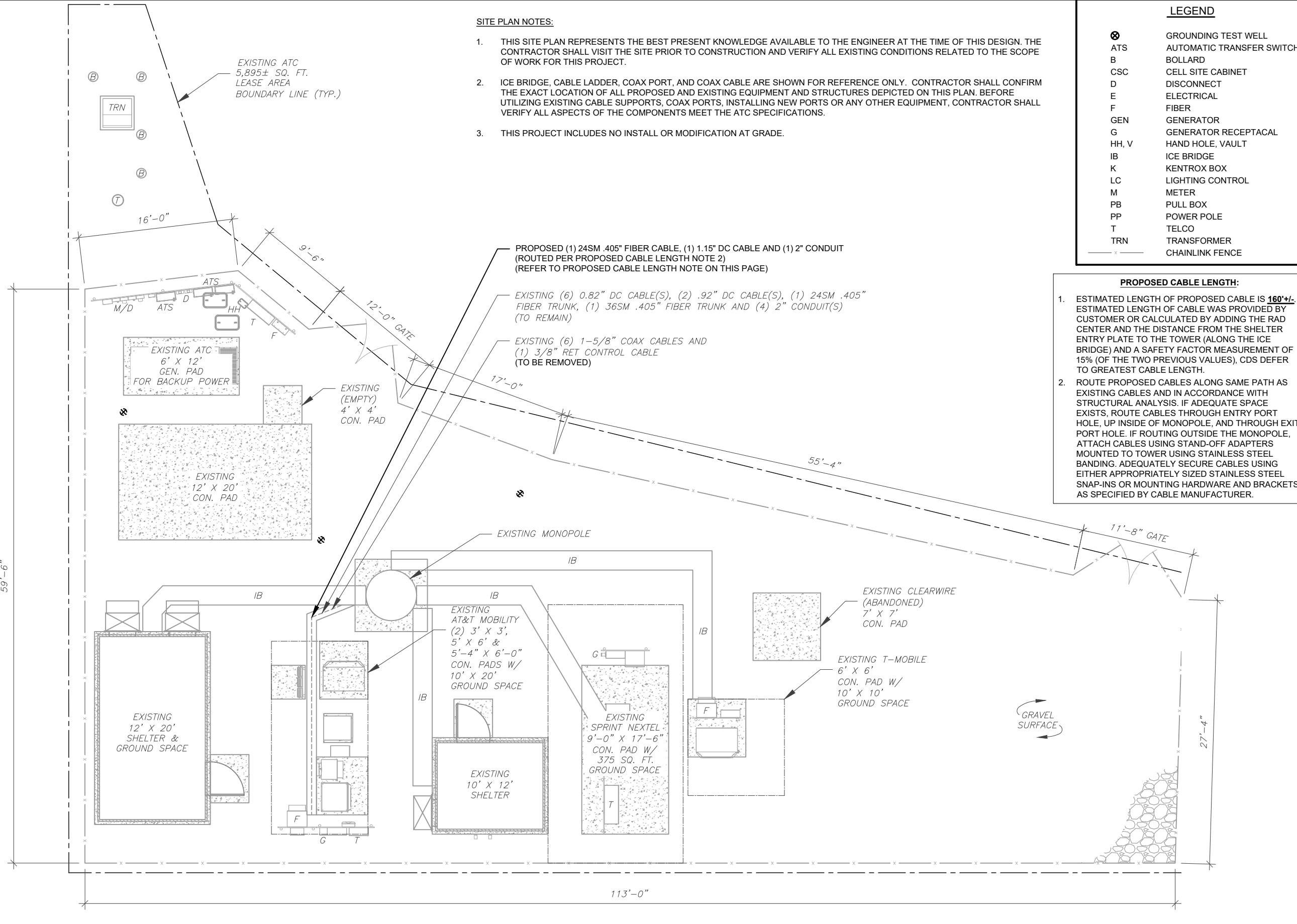
| | |
|--------------|-------------|
| DATE DRAWN: | 11/22/21 |
| ATC JOB NO: | 13682696_D1 |
| CUSTOMER ID: | CTV5403 |
| CUSTOMER #: | 10071165 |

GENERAL NOTES

SHEET NUMBER:
G-002

REVISION:
2

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SITE PLAN NOTES:

- 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.
- 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.
- 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:

- 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.
- 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.




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N. ANDOVER, MA 01845 FAX: (978) 336-5586

| REV. | DESCRIPTION | BY | DATE |
|------|--------------------|----|----------|
| A | PRELIM | VS | 03/04/22 |
| 0 | FINALS | BB | 03/21/22 |
| 1 | FINALS REVISED | TR | 04/25/22 |
| 2 | CONSTRUCTION FINAL | BB | 05/02/22 |

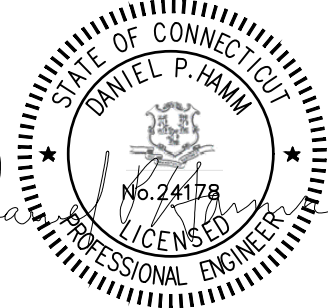

ATC SITE NUMBER:
370627

ATC SITE NAME:
NEWINGTON CT

AT&T SITE NAME:
NEWINGTON CENTRAL

SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111-0000

SEAL:

| | |
|--------------|-------------|
| DATE DRAWN: | 11/22/21 |
| ATC JOB NO: | 13682696_D1 |
| CUSTOMER ID: | CTV5403 |
| CUSTOMER #: | 10071165 |

DETAILED SITE PLAN

| | |
|---------------|-----------|
| SHEET NUMBER: | REVISION: |
| C-101 | 2 |

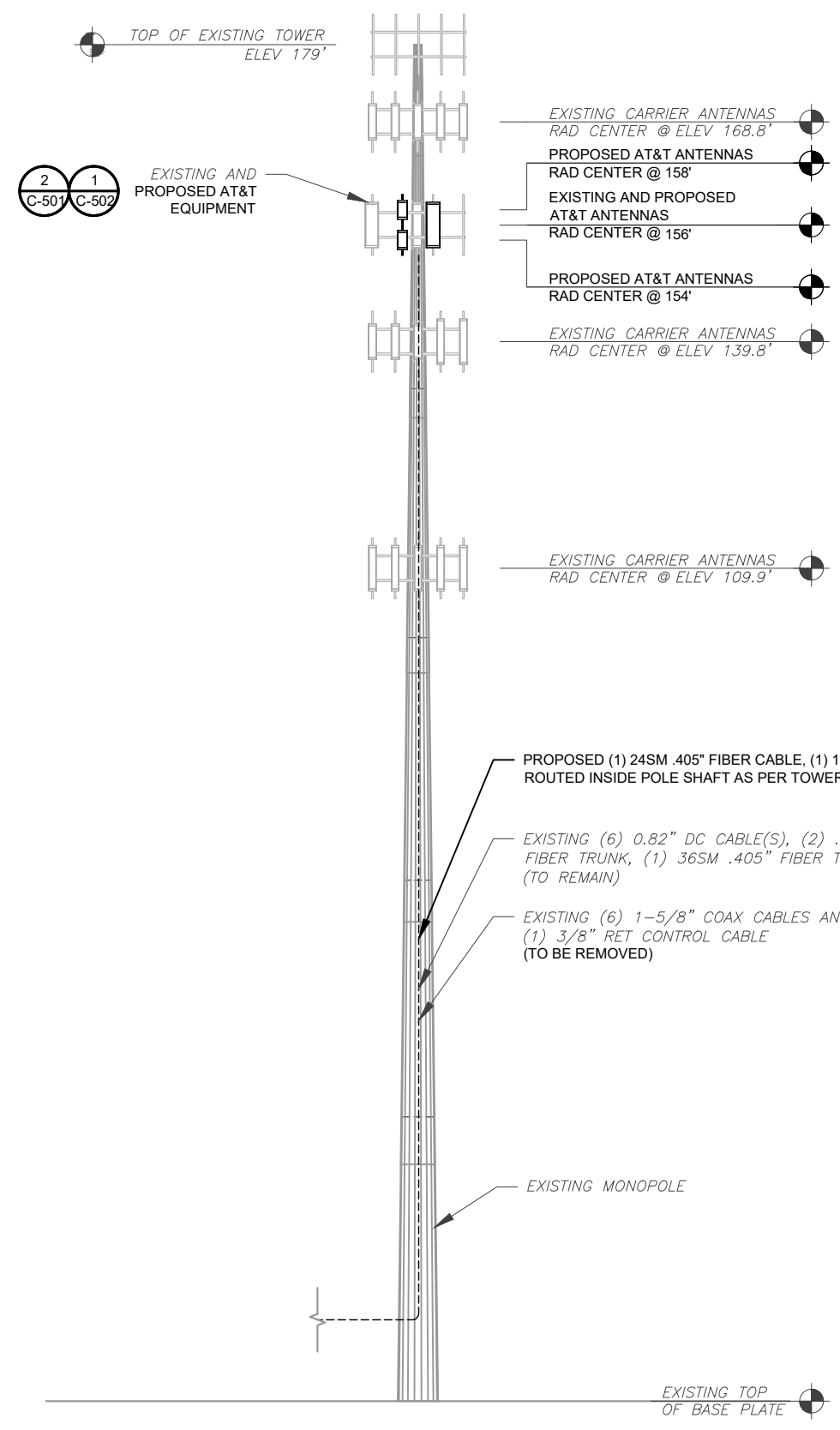
1 DETAILED SITE PLAN

GRAPHIC SCALE




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PER MOUNT ANALYSIS COMPLETED BY TELAMON, DATED 02/28/22, 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.



PROPOSED (1) 24SM .405" FIBER CABLE, (1) 1.15" DC CABLE AND (1) 2" CONDUIT ROUTED INSIDE POLE SHAFT AS PER TOWER STRUCTURAL ANALYSIS

EXISTING (6) 0.82" DC CABLE(S), (2) .92" DC CABLE(S), (1) 24SM .405" FIBER TRUNK, (1) 36SM .405" FIBER TRUNK AND (4) 2" CONDUIT(S) (TO REMAIN)

EXISTING (6) 1-5/8" COAX CABLES AND (1) 3/8" RET CONTROL CABLE (TO BE REMOVED)

- 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.

1 TOWER ELEVATION
SCALE: N.T.S.



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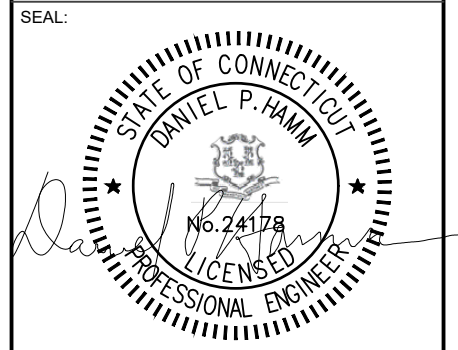
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| A | PRELIM | VS | 03/04/22 |
| 0 | FINALS | BB | 03/21/22 |
| 1 | FINALS REVISED | TR | 04/25/22 |
| 2 | CONSTRUCITON FINAL | BB | 05/02/22 |

ATC SITE NUMBER:
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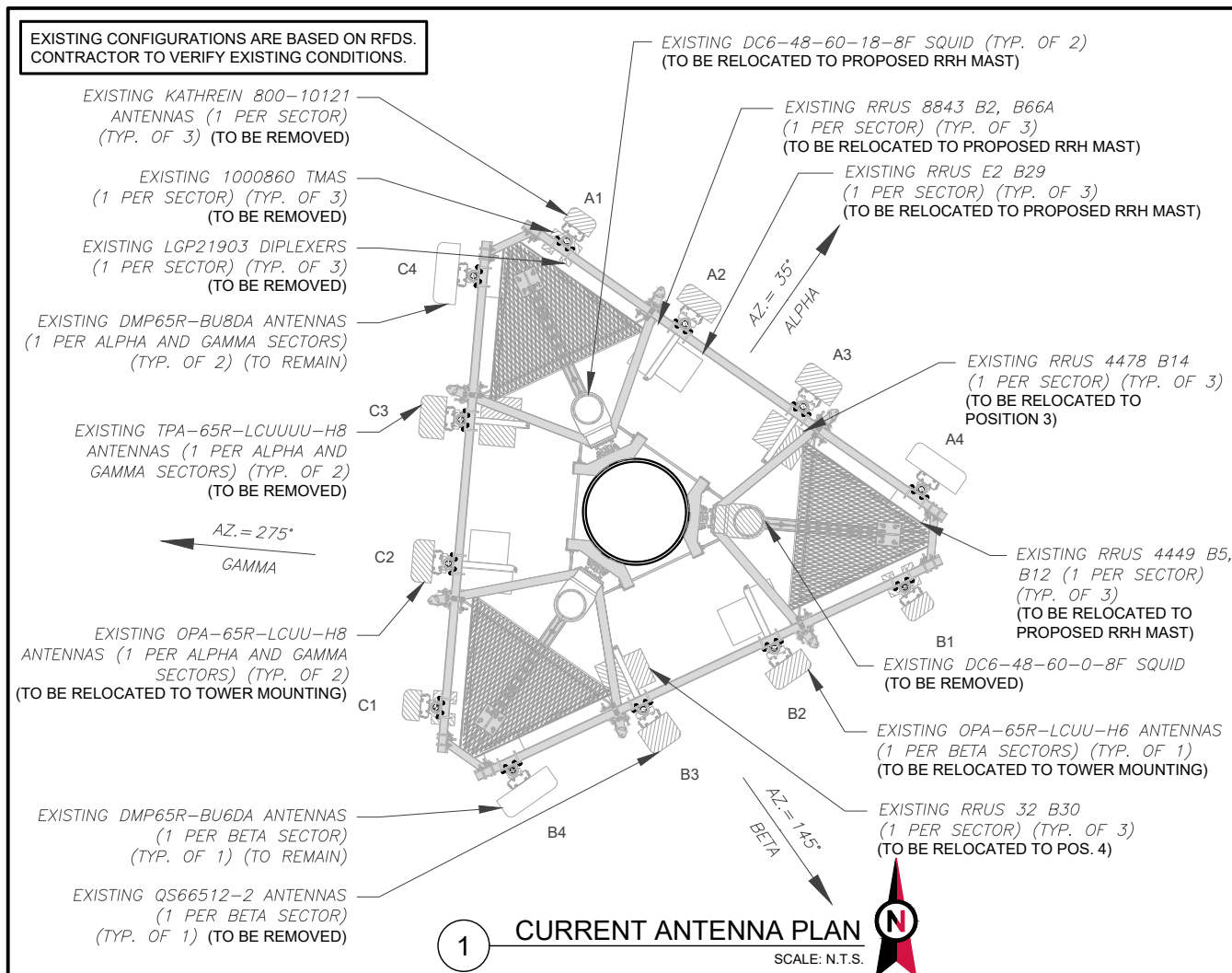
SITE ADDRESS:
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NEWINGTON, CT 06111-0000



| | |
|--------------|-------------|
| DATE DRAWN: | 11/22/21 |
| ATC JOB NO: | 13682696_D1 |
| CUSTOMER ID: | CTV5403 |
| CUSTOMER #: | 10071165 |

| | |
|-------------------------------|-----------------------|
| TOWER ELEVATION | |
| SHEET NUMBER: C-201 | REVISION: 2 |

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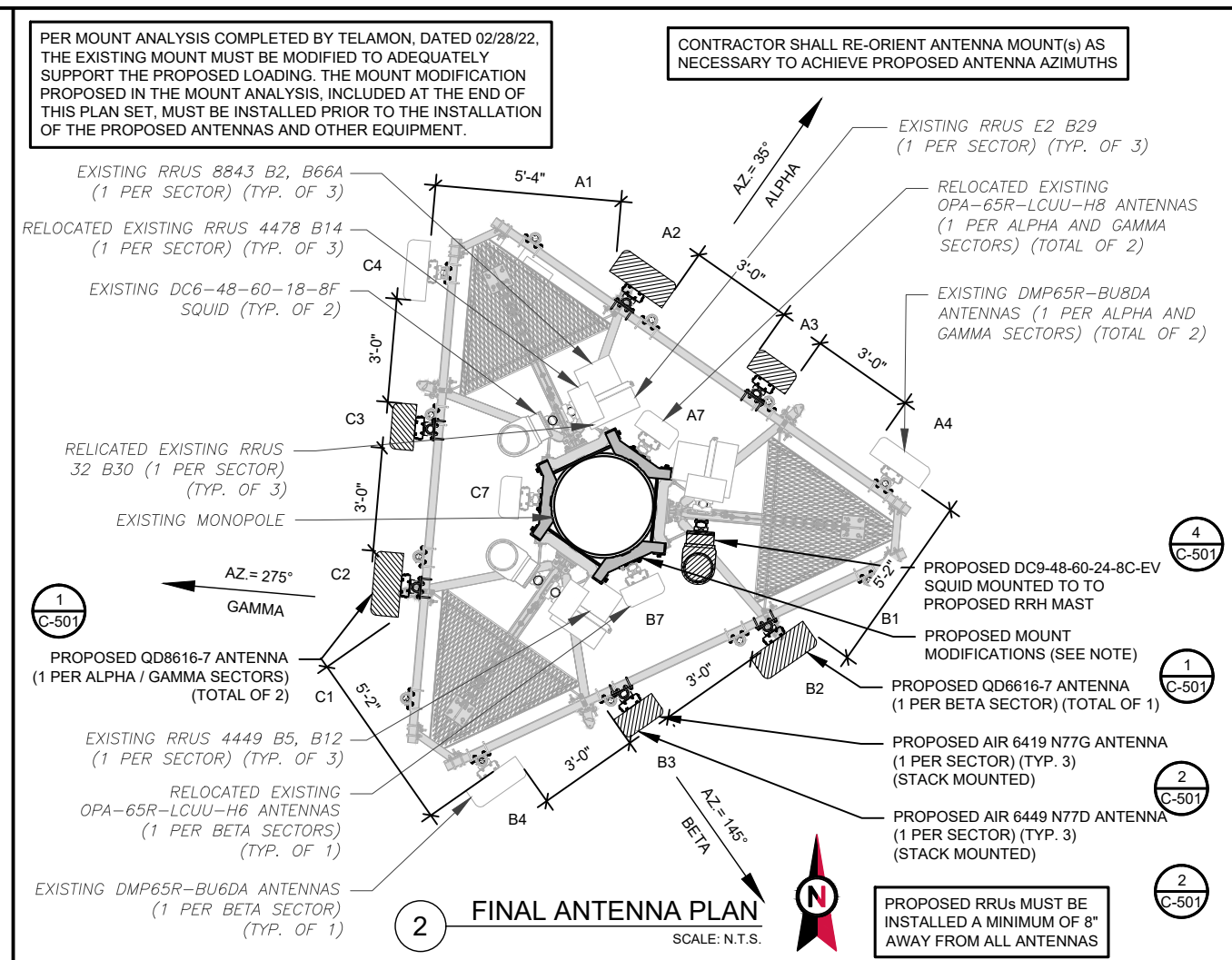


EXISTING ANTENNA SCHEDULE

| SECTOR | RAD | AZ | ANTENNA SUMMARY | | | | NON ANTENNA SUMMARY | |
|--------|------|------|-----------------|-------------------|---------------------|--------|------------------------------------|--------|
| | | | POS | ANTENNA | BAND | STATUS | ADDITIONAL TOWER MOUNTED EQUIPMENT | STATUS |
| ALPHA | 156' | 35° | A1 | 800-10121 | UMTS 850 | RMV | LGP21903-DIPLEXERS 1000860-TMAS | RMV |
| | | | A2 | OPA-65R-LCUU-H8 | 700, AWS | REL | RRUS-E2 B29 RRUS-8843 B2, B66A | RMN |
| | | | A3 | TPA-65R-LCUUUU-H8 | 700,WCS,1900 | RMV | RRUS-4478 B14 RRUS-32 B30 | REL |
| | | | A4 | DMP65R-BU8DA | 700,850,1900,5G 850 | RMN | RRUS-4449 B5, B12 | RMN |
| BETA | 156' | 145° | B1 | 800-10121 | UMTS 850 | RMV | LGP21903-DIPLEXERS 1000860-TMAS | RMV |
| | | | B2 | OPA-65R-LCUU-H6 | 700, AWS | REL | RRUS-E2 B29 RRUS-8843 B2, B66A | RMN |
| | | | B3 | QS66512-2 | 700,WCS,1900 | RMV | RRUS-4478 B14 RRUS-32 B30 | REL |
| | | | B4 | DMP65R-BU6DA | 700,850,1900,5G 850 | RMN | RRUS-4449 B5, B12 | RMN |
| GAMMA | 156' | 275° | C1 | 800-10121 | UMTS 850 | RMV | LGP21903-DIPLEXERS 1000860-TMAS | RMV |
| | | | C2 | OPA-65R-LCUU-H8 | 700, AWS | REL | RRUS-E2 B29 RRUS-8843 B2, B66A | RMN |
| | | | C3 | TPA-65R-LCUUUU-H8 | 700,WCS,1900 | RMV | RRUS-4478 B14 RRUS-32 B30 | REL |
| | | | C4 | DMP65R-BU8DA | 700,850,1900,5G 850 | RMN | RRUS-4449 B5, B12 | RMN |

EXISTING FIBER DISTRIBUTION/SQUID

| MODEL NUMBER | STATUS | COAX | CONDUIT | DC | FIBER | STATUS |
|---------------------|--------|------------|---------------------|----------------------|----------------------------------|--------|
| (2) DC6-48-60-18-8F | RMN | - | (4) 2" | (6) .82" (2) .92" | (1) 24SM .405" (1) 36SM .405" | RMN |
| (1) DC6-48-60-18-8F | RMV | (6) 1-5/8" | (1) 3/8"(0.38") RET | - | - | RMV |



FINAL ANTENNA SCHEDULE

| SECTOR | RAD | AZ | ANTENNA SUMMARY | | | | NON ANTENNA SUMMARY | |
|--------|------|------|-----------------|--------------------------------|-----------------|--------|--|-------------------|
| | | | POS | ANTENNA | BAND | STATUS | ADDITIONAL TOWER MOUNTED EQUIPMENT | STATUS |
| ALPHA | 156' | 35° | A1 | - | - | - | - | - |
| | | | A2 | QD8616-7 | 700,1900,AWS | ADD | RRUS-E2 B29 RRUS-8843 B2, B66A RRUS-4478 B14 | RMN RMN REL |
| | | | A3UP A3DN | AIR 6419 N77G AIR 6449 N77D | DOD 5G CBAND | ADD | - | RMN |
| | | | A4 | DMP65R-BU8DA | 700,5G 850,WCS | RMN | RRUS-4449 B5, B12 RRUS-32 B30 | RMN REL |
| BETA | 156' | 145° | B1 | - | - | - | - | - |
| | | | B2 | QD6616-7 | 700,1900,AWS | ADD | RRUS-E2 B29 RRUS-8843 B2, B66A RRUS-4478 B14 | RMN RMN REL |
| | | | B3UP B3DN | AIR 6419 N77G AIR 6449 N77D | DOD 5G CBAND | ADD | - | RMN |
| | | | B4 | DMP65R-BU6DA | 700,5G 850,WCS | RMN | RRUS-4449 B5, B12 RRUS-32 B30 | RMN REL |
| GAMMA | 156' | 275° | C1 | - | - | - | - | - |
| | | | C2 | QD8616-7 | 700,1900,AWS | ADD | RRUS-E2 B29 RRUS-8843 B2, B66A RRUS-4478 B14 | RMN RMN REL |
| | | | C3UP C3DN | AIR 6419 N77G AIR 6449 N77D | DOD 5G CBAND | ADD | - | RMN |
| | | | C4 | DMP65R-BU8DA | 700,5G 850,WCS | RMN | RRUS-4449 B5, B12 RRUS-32 B30 | RMN REL |
| | | | C7 | OPA-65R-LCUU-H8 | - | REL | - | - |

FINAL FIBER DISTRIBUTION/SQUID

| MODEL NUMBER | STATUS | CONDUIT | DC | FIBER | STATUS |
|------------------------|--------|---------|----------------------|----------------------------------|--------|
| (2) DC6-48-60-18-8F | RMN | (4) 2" | (6) .82" (2) .92" | (1) 24SM .405" (1) 36SM .405" | RMN |
| (1) DC9-48-60-24-8C-EV | ADD | (1) 2" | (1) 1.15" | (1) 24SM .405" | ADD |

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 EQUIPMENT 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)

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

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

3 EQUIPMENT SCHEDULES

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ATC SITE NUMBER:
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ATC SITE NAME:
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AT&T SITE NAME:
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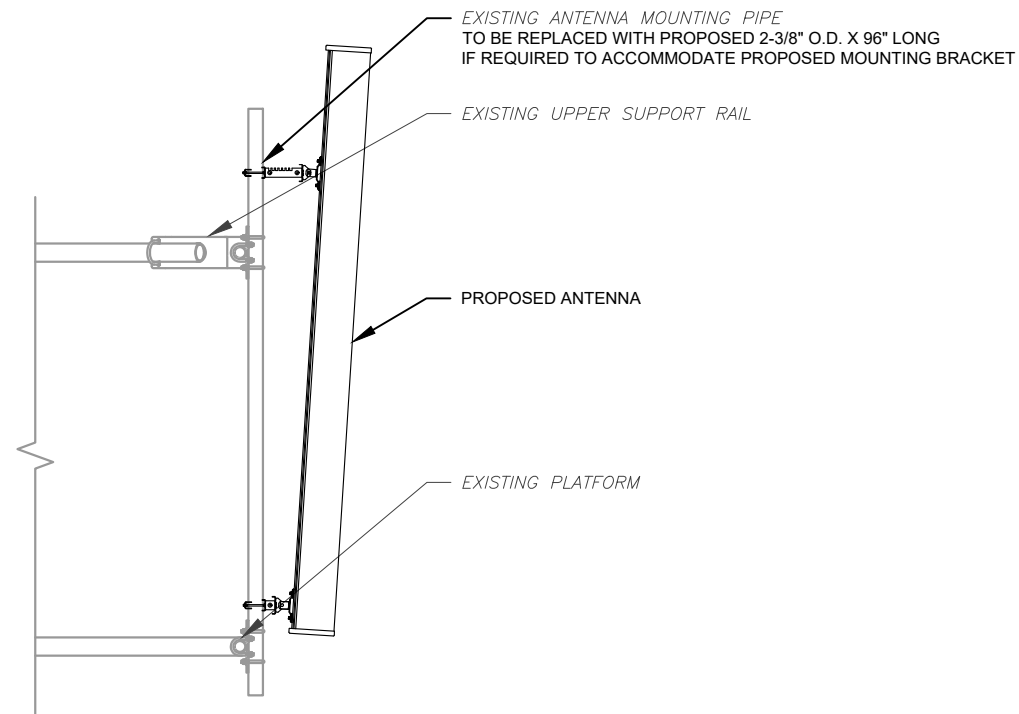
SITE ADDRESS:
605 WILLARD AVE.
NEWINGTON, CT 06111-0000

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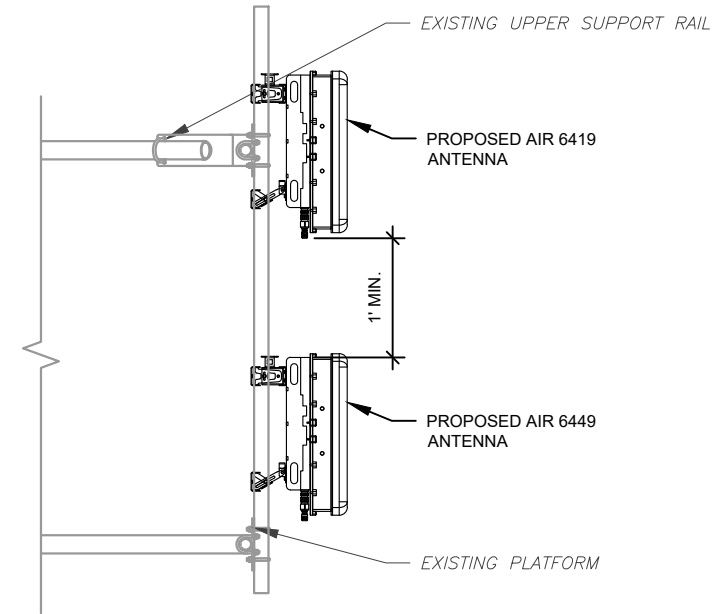
DATE DRAWN: 11/22/21
ATC JOB NO: 13682696_D1
CUSTOMER ID: CTV5403
CUSTOMER #: 10071165

RF SCHEDULE AND ANTENNA INSTALLATION

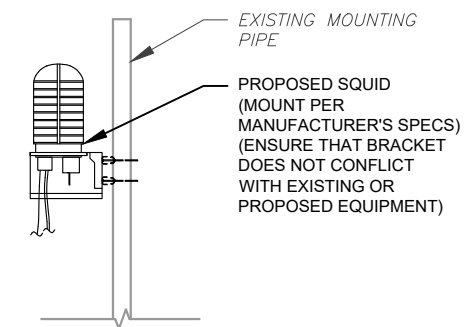
SHEET NUMBER: **C-401** REVISION: **2**



1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



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



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



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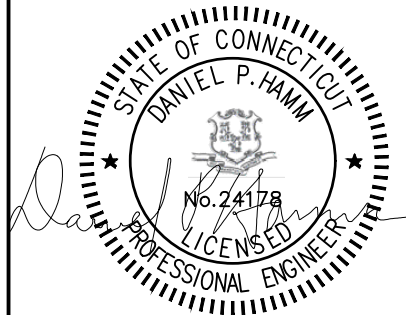
ATC SITE NUMBER:
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ATC SITE NAME:
NEWINGTON CT

AT&T SITE NAME:
NEWINGTON CENTRAL

SITE ADDRESS:
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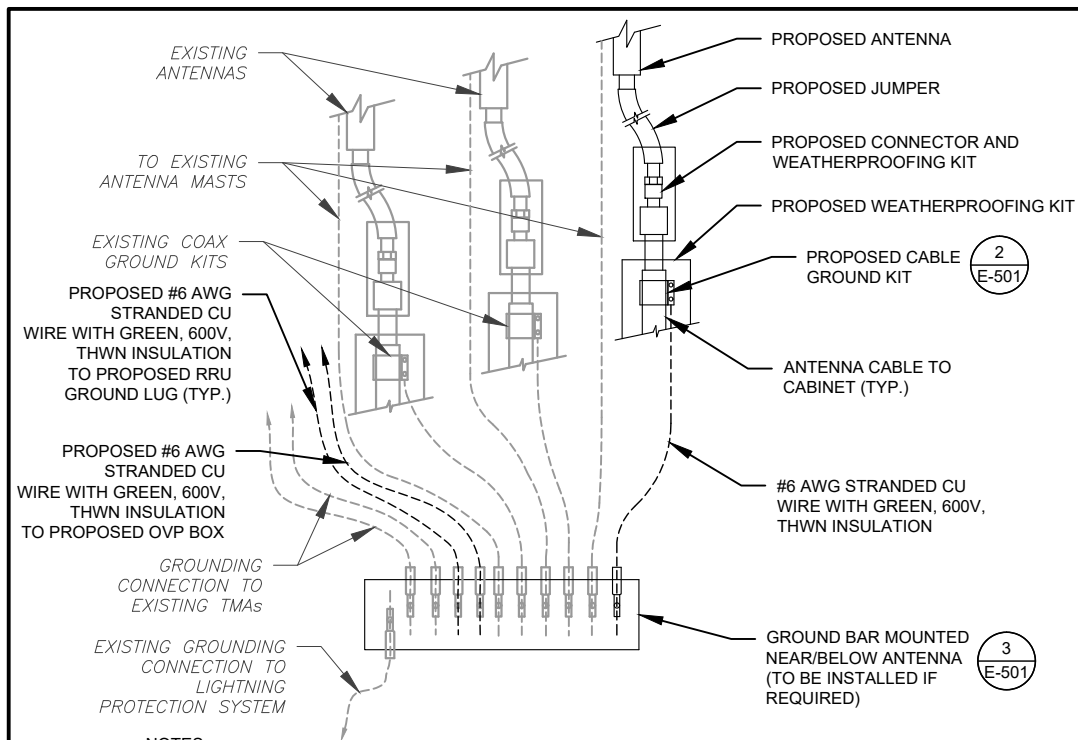
SEAL:



| | |
|--------------|-------------|
| DATE DRAWN: | 11/22/21 |
| ATC JOB NO: | 13682696_D1 |
| CUSTOMER ID: | CTV5403 |
| CUSTOMER #: | 10071165 |

CONSTRUCTION
DETAILS

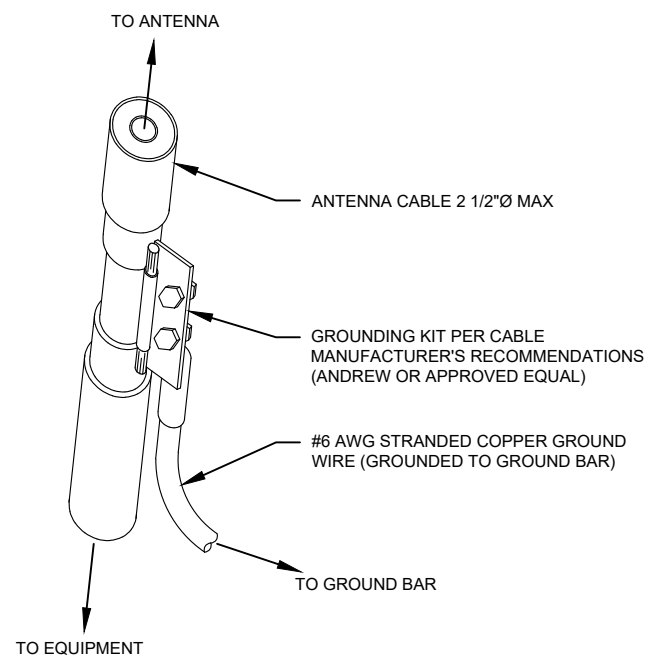
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| SHEET NUMBER: C-501 | REVISION: 2 |
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NOTES:

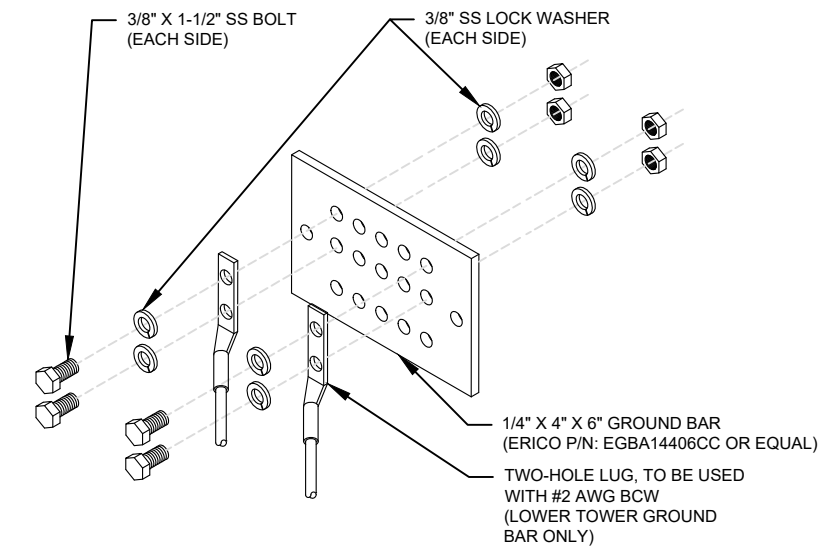
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH AT&T GROUNDING STANDARDS,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



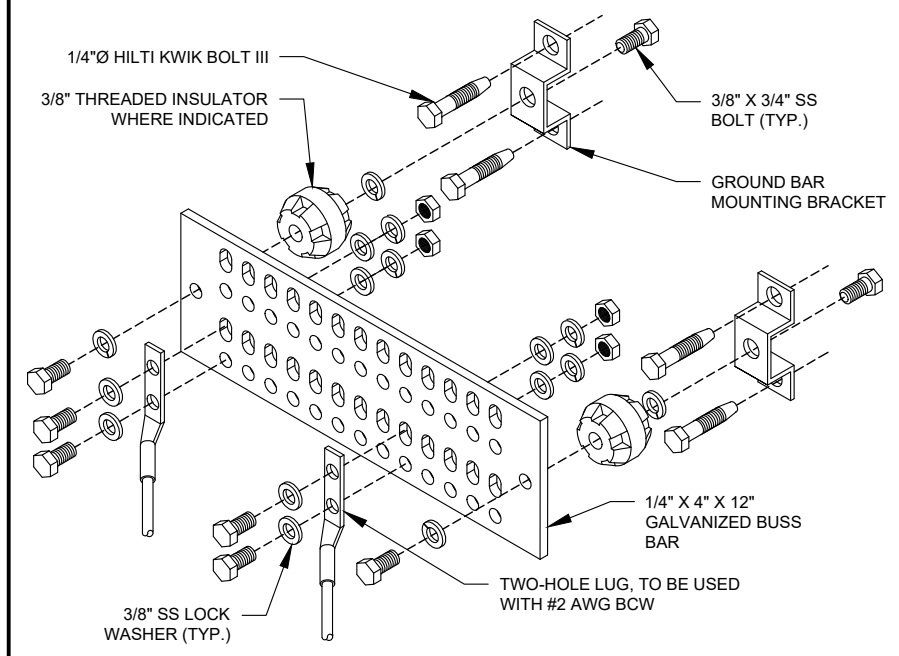
- GROUND KIT NOTES:**
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

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



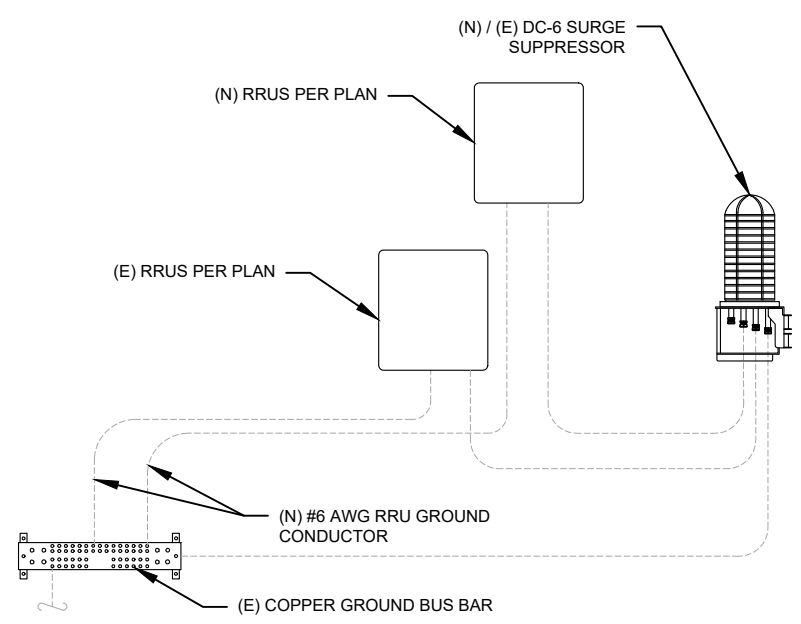
- GROUND BAR NOTES:**
1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

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

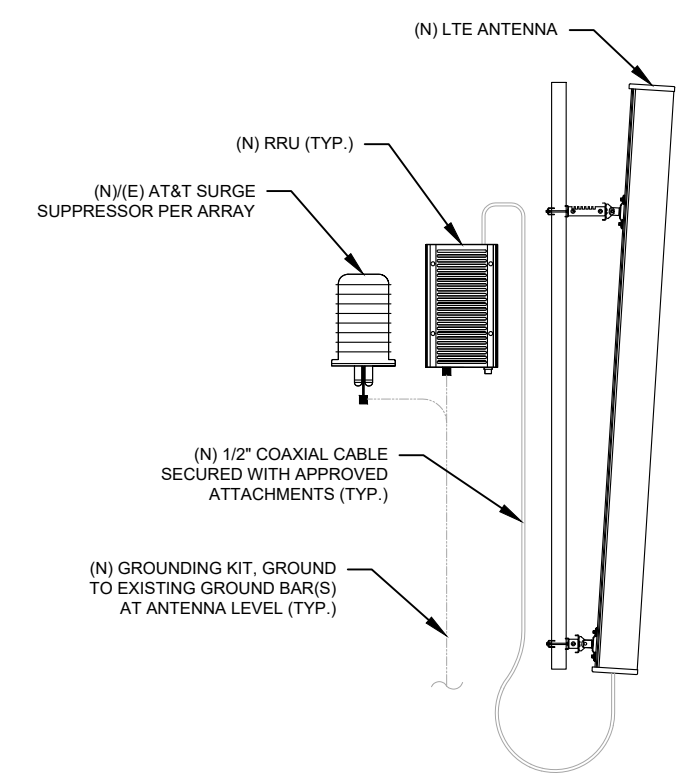


- GROUND BAR NOTES**
1. GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
 2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

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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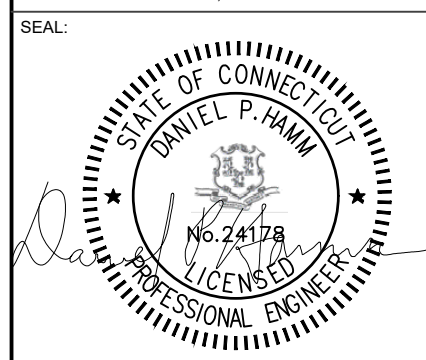
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| A | PRELIM | VS | 03/04/22 |
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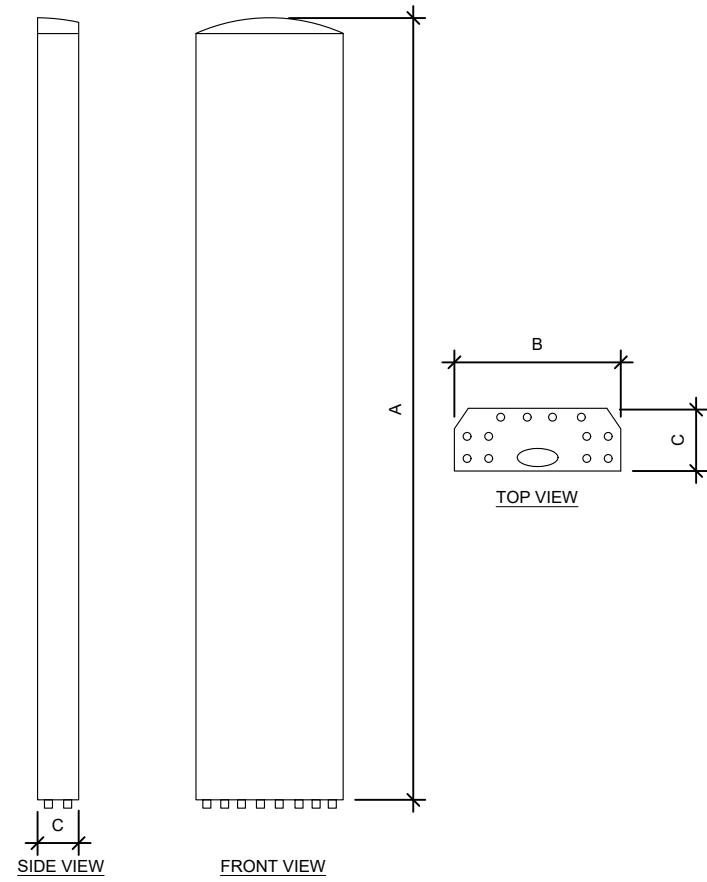
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|--------------|-------------|
| DATE DRAWN: | 11/22/21 |
| ATC JOB NO: | 13682696_D1 |
| CUSTOMER ID: | CTV5403 |
| CUSTOMER #: | 10071165 |

GROUNDING DETAILS

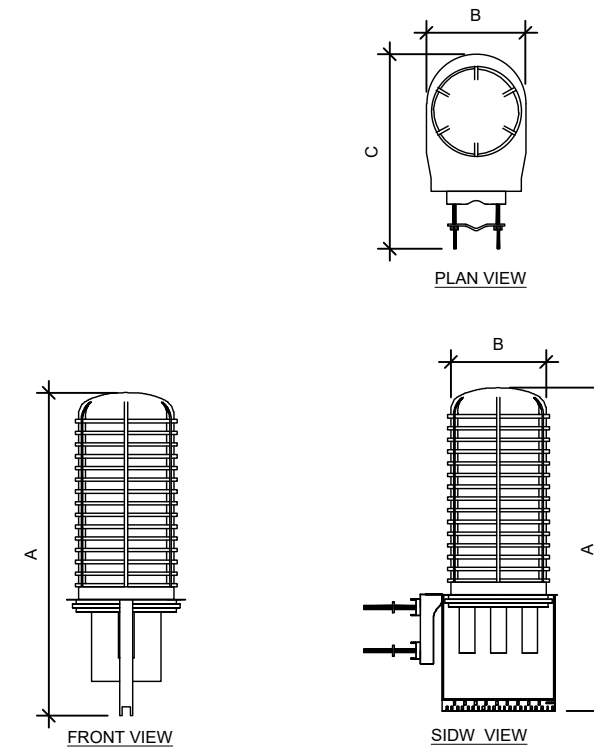
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E-501

REVISION:
2

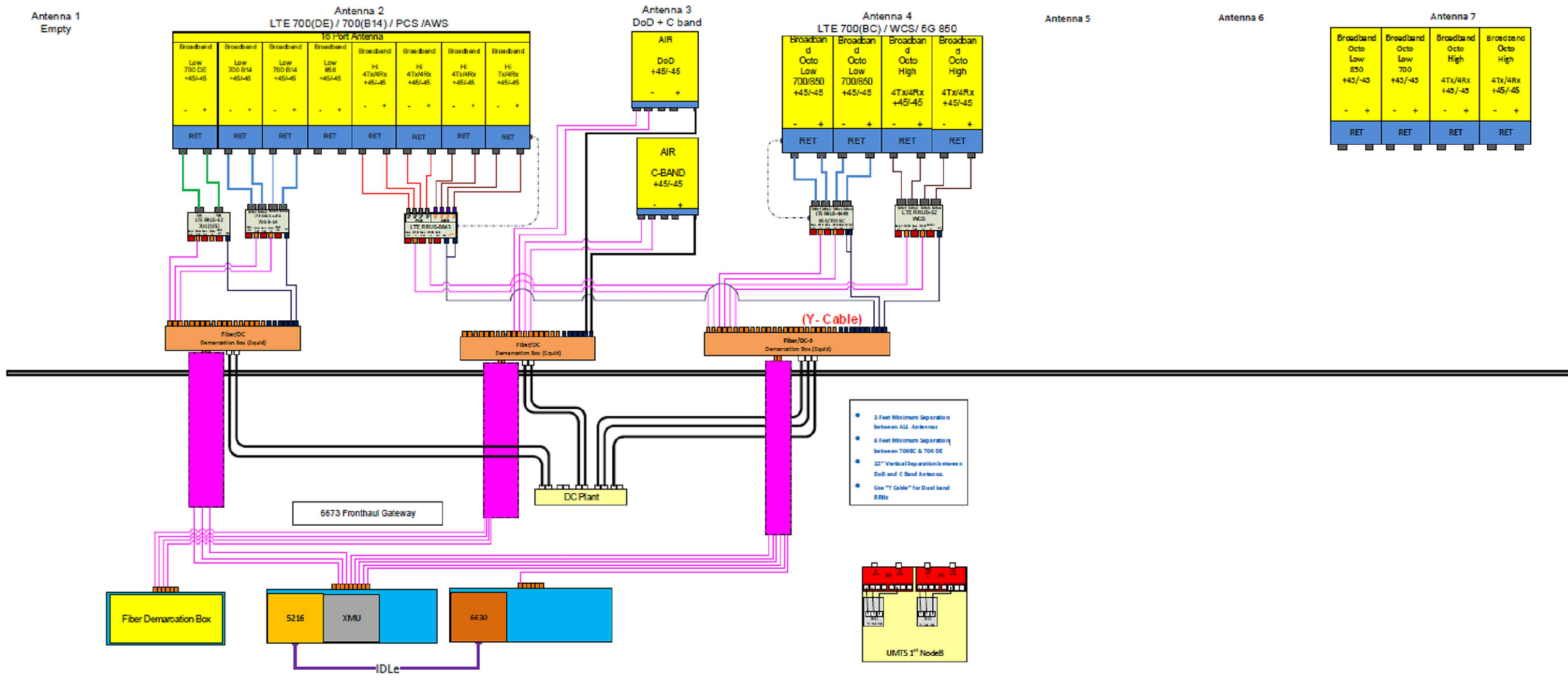
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| ANTENNA SPECIFICATIONS | | | | |
|------------------------|-------|-------|------|--------------|
| ANTENNA MODEL | A | B | C | WEIGHT (LBS) |
| AIR 6419 N77G | 15.7" | 30.0" | 6.7" | 102.5 |
| AIR 6449 N77D | 15.9" | 30.4" | 8.1" | 103.6 |
| QD8616-7 | 96.0" | 22.0" | 9.6" | 68.2 |
| QD6616-7 | 72.0" | 22.0" | 9.6" | 59.1 |



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

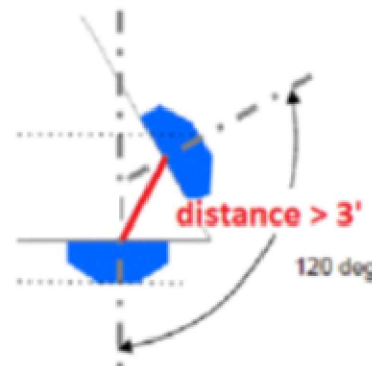


NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. GENERAL CONTRACTOR IS TO CHECK WITH THE AT&CM TO ENSURE THIS IS THE MOST RECENT VERSION OF THE RFDS.

| | |
|-------------------------------|-----------------------|
| SUPPLEMENTAL | |
| SHEET NUMBER: R-602 | REVISION: 2 |

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° .



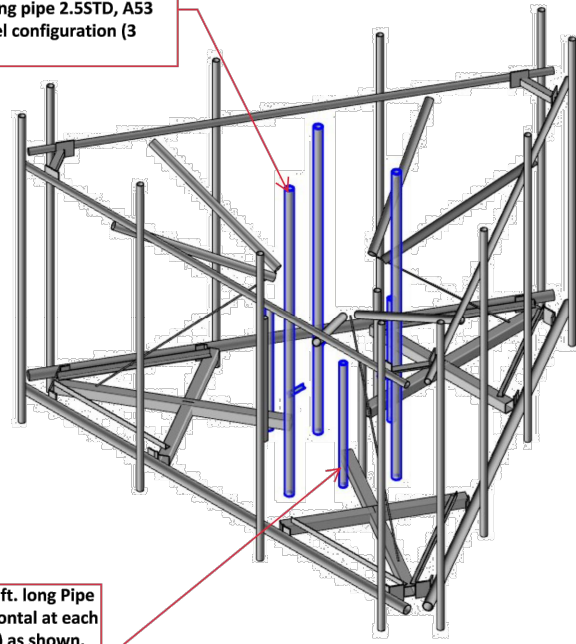
NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:
R-604

REVISION:
2

Install (1) proposed Site Pro 1 LWRM (MIC.11440) ring mount to monopole with (3) Site Pro 1 FMA-1 flush mount adapter as shown and install (1) proposed Site Pro 1 P30120 (ANT.16008) 10ft. long pipe 2.5STD, A53 Gr. B at each sector for spare panel configuration (3 total).



Install (1) proposed mount pipe 4 ft. long Pipe 2STD, A53 Gr. B at stand-off horizontal at each sector for proposed RRUS (3 total) as shown. Connect to stand-off member using (1) Site Pro 1 BBPM-K1 crossover plate (3 total).

| | | |
|----------------------------|------------------------------------|-----------------------------------|
| Telamon CLS | 41124-13682696_C8_06- Newington CT | IN-1 |
| RY | | Feb 28, 2022 |
| 41124-13682696_C8_06-01-MA | Installtion Sketch-ISO | 41124-13682696_C8_06-01-MA-R2.r3d |

| ITEM | QTY | PART NO. | PART DESCRIPTION | LENGTH | UNIT WT. | NET WT. |
|------|-----|----------|---|----------|--------------------|--------------|
| 1 | 2 | SCX4 | CROSSOVER PLATE | 8 1/2 in | 6.02 | 12.04 |
| 2 | 16 | G12FW | 1/2" HDG USS FLATWASHER | | 0.03 | 0.55 |
| 3 | 16 | G12LW | 1/2" HDG LOCKWASHER | | 0.01 | 0.22 |
| 4 | 16 | G12NUT | 1/2" HDG HEAVY 2H HEX NUT | | 0.07 | 1.15 |
| 5 | 4 | G12R-8 | 1/2" x 8" THREADED ROD (HDG.) | | 0.35 | 1.41 |
| 6 | 4 | X-UB1212 | 1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.) | | 0.63 | 2.50 |
| | | | | | TOTAL WT. # | 17.87 |

TOLERANCE NOTES
 TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES (# 0.030")
 DRILLED AND GAS CUT HOLES (# 0.010") - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES (# 0.010") - NO CONING OF HOLES
 BENDS ARE ± 1/2 DEGREE
 ALL OTHER MACHINING (# 0.030")
 FIGURES MAY VARY
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

| | | | |
|-------------|-------------------------|----------------|-----------|
| DESCRIPTION | BACK TO BACK PIPE MOUNT | Part No. | BBPM-K1 |
| CPD NO. | 81 | DRWING DESIGNS | 1/17/2013 |
| CLASS | 03 | CHECKED BY | BMC |
| | | ENG. APPROVAL | 1/18/2013 |
| | | DRWG. NO. | BBPM-K1 |

3-1/2" O.D. TO 4-1/2" O.D. EXISTING STANDOFF ARM

3-3/8" O.D. PIPES ONLY (ORDERED SEPARATELY)

4 X2
3 X2
2 X2
1

1
1
1
1
4 X2

Localities:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, NH
Salem, OH
Dallas, TX

Engineering
Support Team:
1-888-753-7446

A valmont COMPANY

1 OF 1 PART

SUPPLEMENTAL

SHEET NUMBER:
R-605

REVISION:
2

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

| PARTS LIST | | | | | | |
|-----------------------|-----|----------|-----------------------------|--------|----------|---------|
| ITEM | QTY | PART NO. | PART DESCRIPTION | LENGTH | UNIT WT. | NET WT. |
| 1 | 6 | X-178627 | BENT EXTENSION BRACKET | 15.80 | 94.79 | |
| 2 | 18 | A5802 | 5/8" x 2" HDG A325 HEX BOLT | | 0.27 | 4.89 |
| 3 | 18 | G58LW | 5/8" HDG LOCKWASHER | | 0.03 | 0.47 |
| 4 | 18 | ASSNUT | 5/8" HDG A325 HEX NUT | | 0.13 | 2.34 |
| TOTAL WEIGHT: 105.90# | | | | | | |

| PARTS LIST | | | | | | |
|-------------|-----|----------|--------------------------------|--------|----------|---------|
| ITEM | QTY | PART NO. | PART DESCRIPTION | LENGTH | UNIT WT. | NET WT. |
| 1 | 3 | X-LWRM | RING MOUNT WELDMENT | | 68.16 | 204.48 |
| 2 | 9 | G58R-48 | 5/8" x 48" THREADED ROD (HDG.) | | 0.55 | 4.94 |
| 2 | 9 | G58R-24 | 5/8" x 24" THREADED ROD (HDG.) | | 0.55 | 4.94 |
| 3 | 18 | ASSFW | 5/8" HDG A325 FLATWASHER | | 0.03 | 0.61 |
| 4 | 18 | G58LW | 5/8" HDG LOCKWASHER | | 0.03 | 0.47 |
| 5 | 18 | ASSNUT | 5/8" HDG A325 HEX NUT | | 0.13 | 2.34 |
| TOTAL WT. # | | | | | | 264.35 |

| PARTS LIST | | | | | | |
|-------------|-----|----------|--------------------------------|--------|----------|---------|
| ITEM | QTY | PART NO. | PART DESCRIPTION | LENGTH | UNIT WT. | NET WT. |
| 1 | 3 | X-LWRM | RING MOUNT WELDMENT | | 68.16 | 204.48 |
| 2 | 9 | G58R-48 | 5/8" x 48" THREADED ROD (HDG.) | | 0.55 | 4.94 |
| 2 | 9 | G58R-24 | 5/8" x 24" THREADED ROD (HDG.) | | 0.55 | 4.94 |
| 3 | 18 | ASSFW | 5/8" HDG A325 FLATWASHER | | 0.03 | 0.61 |
| 4 | 18 | G58LW | 5/8" HDG LOCKWASHER | | 0.03 | 0.47 |
| 5 | 18 | ASSNUT | 5/8" HDG A325 HEX NUT | | 0.13 | 2.34 |
| TOTAL WT. # | | | | | | 264.35 |

| | | | | |
|--|--|---|--|---|
| TOLERANCE NOTES TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES (± 0.0307) DRILLED AND GAS CUT HOLES (± 0.0307) - NO CONING OF HOLES LASER CUT EDGES AND HOLES (± 0.0107) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING (± 0.0307) | | DESCRIPTION RING MOUNT ASSEMBLY 12" TO 45" DIAMETER POLE | Engineering Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, MI Salem, OR Dallas, TX A valmont COMPANY | CPD NO. 4433 DRAWN BY BMC 3/17/2009 ENG. APPROVAL PART NO. RM-ADK CLASS 81 REV 01 DRAWING USAGE CUSTOMER CHECKED BY CEK 8/24/2012 DWG. NO. LWRM |
|--|--|---|--|---|

| | | | | |
|--|--|---|--|---|
| TOLERANCE NOTES TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES (± 0.0307) DRILLED AND GAS CUT HOLES (± 0.0307) - NO CONING OF HOLES LASER CUT EDGES AND HOLES (± 0.0107) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING (± 0.0307) | | DESCRIPTION RING MOUNT ASSEMBLY 12" TO 45" DIAMETER POLE | Engineering Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, MI Salem, OR Dallas, TX A valmont COMPANY | CPD NO. 4433 DRAWN BY BMC 3/17/2009 ENG. APPROVAL PART NO. LWRM CLASS 81 REV 01 DRAWING USAGE CUSTOMER CHECKED BY CEK 8/24/2012 DWG. NO. LWRM |
|--|--|---|--|---|

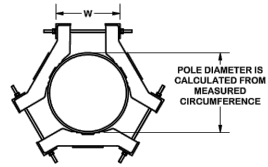
| | | | | |
|--|--|---|--|---|
| TOLERANCE NOTES TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES (± 0.0307) DRILLED AND GAS CUT HOLES (± 0.0307) - NO CONING OF HOLES LASER CUT EDGES AND HOLES (± 0.0107) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING (± 0.0307) | | DESCRIPTION RING MOUNT ASSEMBLY 12" TO 45" DIAMETER POLE | Engineering Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, MI Salem, OR Dallas, TX A valmont COMPANY | CPD NO. 4433 DRAWN BY BMC 3/17/2009 ENG. APPROVAL PART NO. LWRM CLASS 81 REV 01 DRAWING USAGE CUSTOMER CHECKED BY CEK 8/24/2012 DWG. NO. LWRM |
|--|--|---|--|---|

SUPPLEMENTAL

SHEET NUMBER: **R-606** REVISION: **2**

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

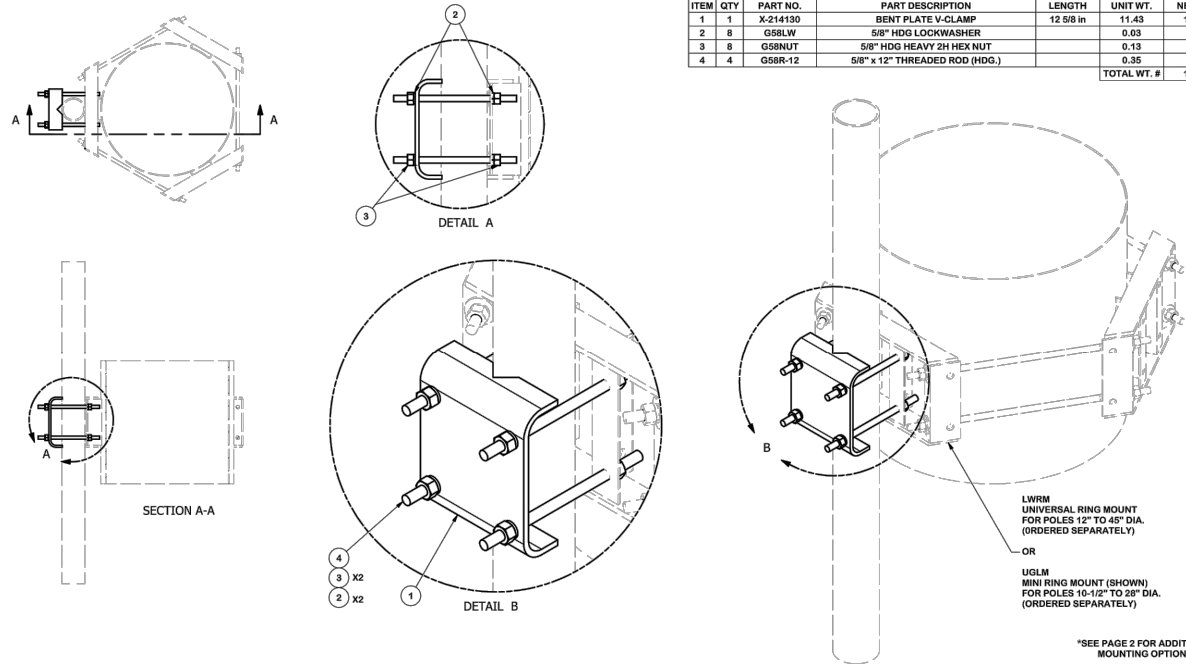
VALMONT IS SUPPLYING THE VALUE OF THE "W" DIMENSIONS TO ASSIST THE ERECTOR IN PRE-ASSEMBLING THE CLAMPS & TIE RODS.



THE CIRCUMFERENCE IS THE DISTANCE MEASURED AROUND THE OUTSIDE OF THE POLE AT THE LOCATION OF THE CLAMP.

| CIRCUMF | DIA (REF) | W | CIRCUMF | DIA (REF) | W | CIRCUMF | DIA (REF) | W | CIRCUMF | DIA (REF) | W | CIRCUMF | DIA (REF) | W | CIRCUMF | DIA (REF) | W | |
|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|-----------|
| 38" | 12-1/8" | 9-3/16" | 63" | 20-1/16" | 16-3/16" | 88" | 28" | 23-3/16" | 113" | 36" | 30-3/16" | 138" | 43-1/16" | 37-1/4" | 163" | 51-7/8" | 44-5/16" | |
| 39" | 12-7/16" | 9-7/16" | 64" | 20-3/8" | 16-7/16" | 89" | 28-5/16" | 23-1/2" | 114" | 36-5/16" | 30-1/2" | 139" | 44-1/4" | 37-1/2" | 164" | 52-3/16" | 44-9/16" | |
| 40" | 12-3/4" | 9-3/4" | 65" | 20-1/2" | 16-3/4" | 90" | 28-5/8" | 23-3/4" | 115" | 36-5/8" | 30-3/4" | 140" | 44-9/16" | 37-13/16" | 165" | 52-1/2" | 44-7/8" | |
| 41" | 13-1/16" | 10" | 66" | 21" | 17" | 91" | 28-15/16" | 24-1/16" | 116" | 36-15/16" | 31-1/16" | 141" | 44-7/8" | 38-1/16" | 166" | 52-13/16" | 45-3/16" | |
| 42" | 13-3/8" | 10-3/16" | 67" | 21-5/16" | 17-5/16" | 92" | 29-5/16" | 24-9/16" | 117" | 37-1/4" | 31-5/16" | 142" | 45-3/16" | 38-3/8" | 167" | 53-3/16" | 45-7/16" | |
| 43" | 13-11/16" | 10-11/16" | 68" | 21-9/16" | 17-9/16" | 93" | 29-5/8" | 24-5/8" | 118" | 37-9/16" | 31-9/16" | 143" | 45-1/2" | 38-9/16" | 168" | 53-1/2" | 45-3/4" | |
| 44" | 14" | 10-7/8" | 69" | 21-15/16" | 17-7/8" | 94" | 29-7/8" | 24-7/8" | 119" | 37-7/8" | 31-7/8" | 144" | 45-13/16" | 38-7/8" | 169" | 53-13/16" | 46" | |
| 45" | 14-5/16" | 11-2/16" | 70" | 22-5/16" | 18-1/8" | 95" | 30-1/4" | 25-1/8" | 120" | 38-3/16" | 32-3/16" | 145" | 46-1/8" | 39-1/8" | 170" | 54-1/8" | 46-5/16" | |
| 46" | 14-5/8" | 11-3/8" | 71" | 22-5/8" | 18-1/4" | 96" | 30-9/16" | 25-1/4" | 121" | 38-1/2" | 32-1/2" | 146" | 46-1/2" | 39-1/4" | 171" | 54-1/4" | 46-9/16" | |
| 47" | 14-15/16" | 11-15/16" | 72" | 22-15/16" | 18-15/16" | 97" | 30-7/8" | 25-11/16" | 122" | 38-13/16" | 32-3/4" | 147" | 46-13/16" | 39-3/4" | 172" | 54-3/4" | 46-7/8" | |
| 48" | 15-1/4" | 11-15/16" | 73" | 23-1/4" | 19" | 98" | 31-3/16" | 26" | 123" | 39-1/8" | 33" | 148" | 47-1/8" | 40" | 173" | 55-1/16" | 47-1/8" | |
| 49" | 15-5/8" | 12-1/4" | 74" | 23-5/8" | 19-1/4" | 99" | 31-1/2" | 26-1/4" | 124" | 39-1/2" | 33-1/2" | 149" | 47-1/4" | 40-1/4" | 174" | 55-3/8" | 47-1/4" | |
| 50" | 15-15/16" | 12-1/2" | 75" | 23-7/8" | 19-9/16" | 100" | 31-13/16" | 26-9/16" | 125" | 39-13/16" | 33-9/16" | 150" | 47-3/4" | 40-9/16" | 175" | 55-11/16" | 47-11/16" | |
| 51" | 16-1/4" | 12-13/16" | 76" | 24-1/4" | 19-13/16" | 101" | 32-1/8" | 26-13/16" | 126" | 40-1/8" | 33-7/8" | 151" | 48-1/16" | 40-7/8" | 176" | 56" | 48" | |
| 52" | 16-9/16" | 13-1/16" | 77" | 24-1/2" | 20-1/8" | 102" | 32-7/16" | 27" | 127" | 40-7/16" | 34-1/8" | 152" | 48-3/8" | 41-3/16" | 177" | 56-5/16" | 48-1/4" | |
| 53" | 16-7/8" | 13-3/8" | 78" | 24-13/16" | 20-3/8" | 103" | 32-13/16" | 27-3/8" | 128" | 40-3/4" | 34-3/16" | 153" | 48-11/16" | 41-7/16" | 178" | 56-11/16" | 48-9/16" | |
| 54" | 17-3/16" | 13-5/8" | 79" | 25-1/8" | 20-11/16" | 104" | 33-1/8" | 27-11/16" | 129" | 41-1/16" | 31-11/16" | 154" | 49" | 41-3/4" | 179" | 57" | 48-7/8" | |
| 55" | 17-1/2" | 13-15/16" | 80" | 25-1/16" | 20-15/16" | 105" | 33-7/16" | 27-15/16" | 130" | 41-3/8" | 35" | 155" | 49-5/16" | 42" | 180" | 57-5/16" | 49-1/8" | |
| 56" | 17-13/16" | 14-1/16" | 81" | 25-13/16" | 21-1/4" | 106" | 33-3/4" | 28-1/4" | 131" | 41-11/16" | 35-1/4" | 156" | 49-11/16" | 42-5/16" | 181" | 57-9/16" | 49-1/4" | |
| 57" | 18-1/8" | 14-1/2" | 82" | 26-1/8" | 21-1/2" | 107" | 34-1/16" | 28-1/2" | 132" | 42" | 35-9/16" | 157" | 50" | 42-5/8" | 182" | 57-15/16" | 49-11/16" | |
| 58" | 18-7/16" | 14-3/4" | 83" | 26-7/16" | 21-13/16" | 108" | 34-3/8" | 28-13/16" | 133" | 42-5/16" | 35-13/16" | 158" | 50-5/16" | 42-7/8" | 183" | 58-1/4" | 50" | |
| 59" | 18-3/4" | 15-1/16" | 84" | 26-3/4" | 22-1/16" | 109" | 34-11/16" | 29-1/16" | 134" | 42-9/16" | 36-1/8" | 159" | 50-9/16" | 43-1/8" | 184" | 58-9/16" | 50-1/4" | |
| 60" | 19-1/8" | 15-5/16" | 85" | 27-1/16" | 22-3/8" | 110" | 35" | 29-3/8" | 135" | 43" | 36-3/8" | 160" | 50-15/16" | 43-7/16" | 185" | 58-7/8" | 50-9/16" | |
| 61" | 19-7/16" | 15-5/8" | 86" | 27-3/8" | 22-5/8" | 111" | 35-5/16" | 29-5/8" | 136" | 43-5/16" | 36-11/16" | 161" | 51-1/4" | 43-3/4" | 186" | 59-3/16" | 50-13/16" | |
| 62" | 19-3/4" | 15-7/8" | 87" | 27-11/16" | 22-15/16" | 112" | 35-5/8" | 29-15/16" | 137" | 43-9/8" | 36-15/16" | 162" | 51-9/16" | 44" | 187" | 59-1/2" | 51" | |
| | | | | | | | | | | | | | | | | 188" | 59-13/16" | 51-3/8" |
| | | | | | | | | | | | | | | | | 189" | 60-3/16" | 51-11/16" |

| ITEM | QTY | PART NO. | PART DESCRIPTION | LENGTH | UNIT WT. | NET WT. |
|------|-----|----------|--------------------------------|-----------|-------------|---------|
| 1 | 1 | X-214130 | BENT PLATE V-CLAMP | 12 5/8 in | 11.43 | 11.43 |
| 2 | 8 | G58LW | 5/8" HDG LOCKWASHER | | 0.03 | 0.21 |
| 3 | 8 | G58NUT | 5/8" HDG HEAVY 2H HEX NUT | | 0.13 | 1.04 |
| 4 | 4 | G58R-12 | 5/8" x 12" THREADED ROD (HDG.) | | 0.35 | 1.41 |
| | | | | | TOTAL WT. # | 16.32 |



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
 DRILLED AND GAS CUT HOLES (± 0.005") - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
 BENDS ARE ± 1/2 DEGREE
 ALL OTHER MACHINING (± 0.005")
 ALL OTHER ASSEMBLY (± 0.005")

DESCRIPTION

RING MOUNT ASSEMBLY 12" TO 45" DIAMETER POLE

SITE PRO Engineering Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX. A Valmont Company

| | | | |
|-----|--|-----|---------|
| A | REDRAWN IN INV. UPDATED TABLES & VIEWS | KCB | 7/25/12 |
| REV | DESCRIPTION OF REVISIONS | CPD | BY DATE |
| | REVISION HISTORY | | |

| | | | | | | | | | |
|---------|------|---------|-----|-----------|---------------|-----|-----------|----------|------|
| CPD NO. | 4433 | DRWN BY | BMC | 3/17/2009 | ENGL APPROVAL | | PART NO. | LWRM | |
| CLASS | 81 | SUB | 01 | CUSTOMER | CHECKED BY | CEK | 8/24/2012 | DWG. NO. | LWRM |

| | | | | | | | | | |
|---------|------|---------|-----|------------|---------------|-----|------------|----------|------|
| CPD NO. | 4195 | DRWN BY | CEK | 10/12/2010 | ENGL APPROVAL | | PART NO. | FMA1 | |
| CLASS | 81 | SUB | 01 | CUSTOMER | CHECKED BY | BMC | 12/15/2010 | DWG. NO. | FMA1 |

| | | | | | |
|---|-----|--|------|-----|------------|
| A | REV | REMOVED A BENT PLATE V-CLAMP, USED 12" THREADED RODS | 4195 | CEK | 12/15/2010 |
| | | DESCRIPTION OF REVISIONS | CPD | BY | DATE |
| | | REVISION HISTORY | | | |

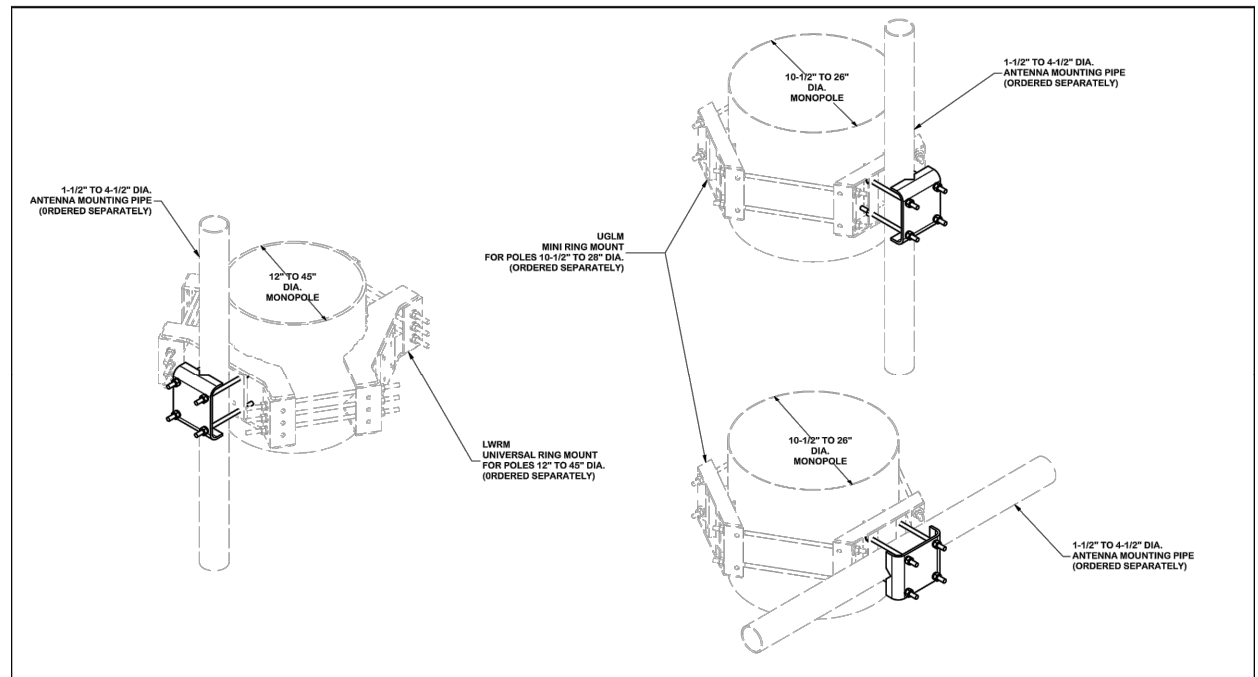
TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
 DRILLED AND GAS CUT HOLES (± 0.005") - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
 BENDS ARE ± 1/2 DEGREE
 ALL OTHER MACHINING (± 0.005")
 ALL OTHER ASSEMBLY (± 0.005")

DESCRIPTION

FLUSH MOUNT ADAPTER SINGLE LEVEL

SITE PRO Engineering Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX. A Valmont Company



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
 DRILLED AND GAS CUT HOLES (± 0.005") - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
 BENDS ARE ± 1/2 DEGREE
 ALL OTHER MACHINING (± 0.005")
 ALL OTHER ASSEMBLY (± 0.005")

DESCRIPTION

FLUSH MOUNT ADAPTER SINGLE LEVEL

SITE PRO Engineering Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX. A Valmont Company

| | | | | | | | | | |
|---------|------|---------|-----|------------|---------------|-----|------------|----------|------|
| CPD NO. | 4195 | DRWN BY | CEK | 10/12/2010 | ENGL APPROVAL | | PART NO. | FMA1 | |
| CLASS | 81 | SUB | 01 | CUSTOMER | CHECKED BY | BMC | 12/15/2010 | DWG. NO. | FMA1 |

| | | | | | | | | | |
|---------|------|---------|-----|------------|---------------|-----|------------|----------|------|
| CPD NO. | 4195 | DRWN BY | CEK | 10/12/2010 | ENGL APPROVAL | | PART NO. | FMA1 | |
| CLASS | 81 | SUB | 01 | CUSTOMER | CHECKED BY | BMC | 12/15/2010 | DWG. NO. | FMA1 |

| | | | | | |
|---|-----|--------------------------|-----|----|------|
| A | REV | DESCRIPTION OF REVISIONS | CPD | BY | DATE |
| | | REVISION HISTORY | | | |

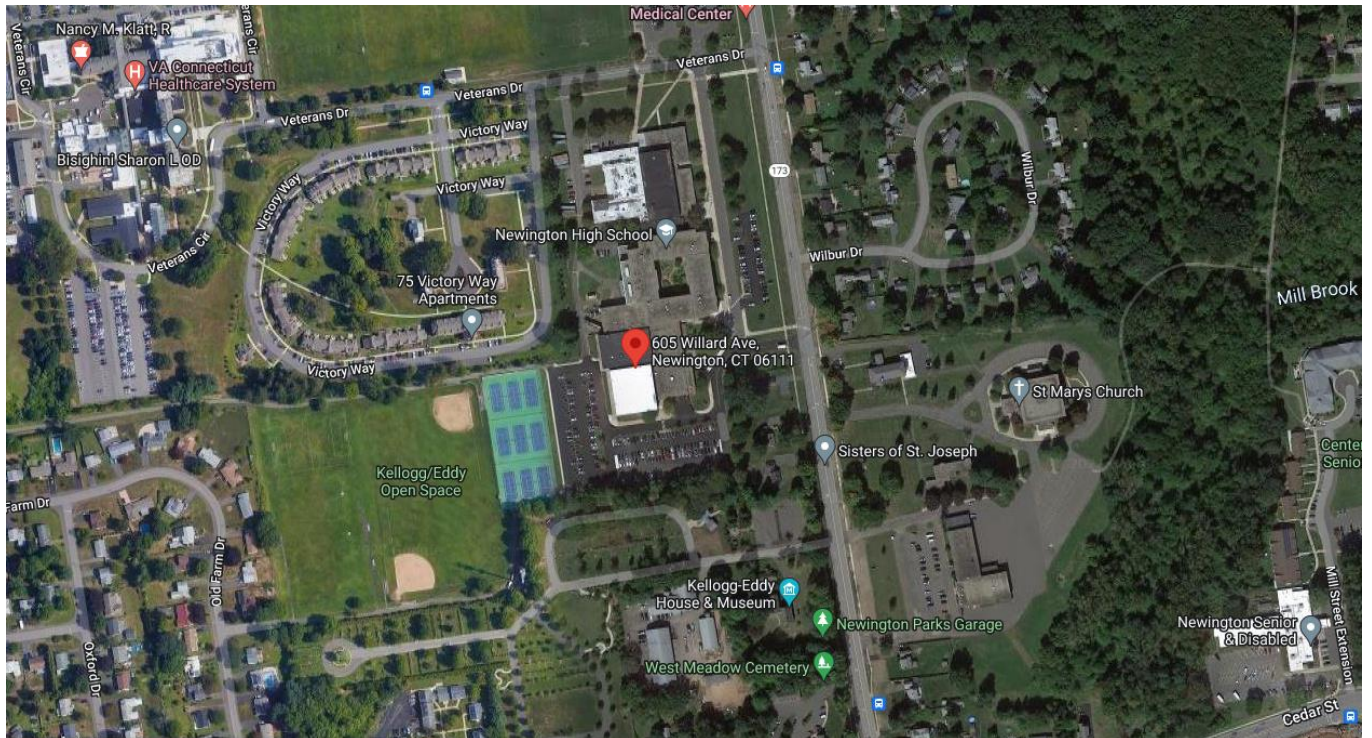
SUPPLEMENTAL

SHEET NUMBER:
R-607


REVISION:
2

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

EXHIBIT 2



☰ 605 Willard ave newington, ct 🔍 ✕



605 Willard Ave
Newington, CT 06111
Building

[Directions](#) [Save](#) [Nearby](#) [Send to your phone](#) [Share](#)

[✎ Suggest an edit on 605 Willard Ave](#)

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2015.

Town of Newington

ASSESSOR'S OFFICE



Information on the Property Records for the Municipality of Newington was last updated on 12/2/2020.

Parcel Information

| | | | | | |
|-----------------------|-----------------|----------------|------------|----------------|-------------------|
| Location: | 605 WILLARD AVE | Property Use: | School | Primary Use: | Elementary School |
| Unique ID: | N0046500 | Map Block Lot: | 09/300/000 | Acres: | 80.59 |
| 490 Acres: | 0.00 | Zone: | R-12/ | Volume / Page: | 189/67 |
| Developers Map / Lot: | N/W 1860 & 1969 | Census: | | | |

Value Information

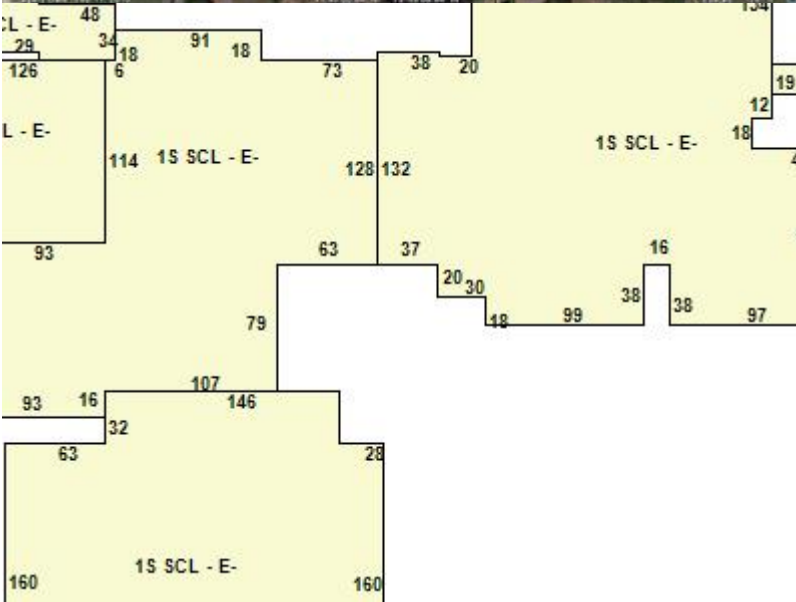
| | Appraised Value | Assessed Value |
|-----------------------|-----------------|----------------|
| Land | 8,147,790 | 5,703,450 |
| Buildings | 22,823,428 | 15,976,410 |
| Detached Outbuildings | 534,775 | 374,340 |
| Total | 31,505,993 | 22,054,200 |

Owner's Information

Owner's Data

NEWINGTON TOWN OF
 NEWINGTON HIGH SCHOOL
 131 CEDAR ST
 NEWINGTON, CT 06111

Building 1



| | | | | | |
|-----------|--------|---------------|-------------|-------------|---------|
| Category: | School | Use: | High School | GLA: | 171,729 |
| Stories: | 1.00 | Construction: | Masonry | Year Built: | 1971 |

| | | | | | |
|----------|----------------|----------------|-------------|------------------|-----|
| Heating: | Forced Hot Air | Fuel: | Natural Gas | Cooling Percent: | 100 |
| Siding: | Brick | Roof Material: | Asphalt | Beds/Units: | 0 |

Special Features

Attached Components

Detached Outbuildings

| Type: | Year Built: | Length: | Width: | Area: |
|------------------|-------------|---------|------------|---------|
| Tennis Courts | 1971 | 0.00 | 0.00 | 10,000 |
| 4 Ft Chain Fence | 1978 | 1.00 | 25,000.00 | 25,000 |
| Paving | 1978 | 1.00 | 175,000.00 | 175,000 |
| Gunite Pool | 1971 | 1.00 | 3,344.00 | 3,344 |
| Frame Shed | 1978 | 1.00 | 288.00 | 288 |

Owner History - Sales

| Owner Name | Volume | Page | Sale Date | Deed Type | Valid Sale | Sale Price |
|-------------------|--------|------|------------|-----------|------------|------------|
| NEWINGTON TOWN OF | 0189 | 0067 | 09/20/1968 | | No | \$0 |
| NEWINGTON TOWN OF | 0182 | 0151 | 10/03/1967 | | No | \$0 |
| NEWINGTON TOWN OF | 0180 | 0281 | 07/27/1967 | | No | \$0 |
| U S GOVT | 0027 | 0488 | 01/11/1930 | | No | \$0 |

Building Permits

| Permit Number | Permit Type | Date Opened | Date Closed | Permit Status | Reason |
|---------------|------------------|-------------|-------------|-----------------|--|
| E-20-27 | Electrical | 01/22/2020 | | Imported Record | Install low voltage cameras to existing system. |
| E-19-299 | Electrical | 08/14/2019 | | Closed | INSTALL 155 LOCATIONS WITH 3 CAT 6 PLENUM RATED CABLER PER. REMOVAL NOT INCLUDED |
| B-19-215 | Other | 04/30/2019 | | Closed | SWAP (6) PANELS AND SWAP (3) RRUs INSTALL (1) 1-1/4" HYBRID CABLE, AND (1) 1-5/8" HYBRID CABLE |
| B-19-75 | Comm Renovations | 02/26/2019 | | Closed | BUILD 8X12 ROOM OF I.T. SERVER |
| E-19-33 | Electrical | 02/12/2019 | | Closed | Newington High School, 605 Willard Ave, Newington -- Installation of a 12 strand, OS2 Armored Plenum |
| E-19-32 | Electrical | 02/11/2019 | | Closed | Install 200Amp Transfer switch |
| B-18-714 | Comm Renovations | 12/11/2018 | | Closed | UPGRADE AND REINFORCE MOUNTS WITH (3) RELOCATED & (3) REPLACEMENT ANTENNAS, (6) REPLACEMENT RRUs AN |
| M-18-209 | Mechanical | 08/08/2018 | | Closed | Install HVAC per plans and specifications. Includes ductless heat-pump system with air to air heat e |
| M-18-192 | Mechanical | 07/30/2018 | | Closed | INSTALL NEW GAS LINE & REPLACE BURNER |
| P-18-149 | Fire Sprinkler | 07/27/2018 | | Closed | INSTALL SPRINKLER HEADS IN NEW CEILINGS OF ART ROOMS 415, 415A, 416, 417, 418. |
| P-18-139 | Plumbing | 07/12/2018 | | Closed | INSTALL MEN & WOMEN'S HANDICAP BATHROOM, 3 W/C, 2 LAVS OFF KITCHEN |
| B-18-387 | Comm Renovations | 07/11/2018 | | Closed | INSTALL NEW SUSPENDED CEILING, REWORK SPRINKLERS. |
| B-18-290 | Comm Renovations | 06/01/2018 | | Closed | DEMO OF EXISTING EMPLOYEES TOILETS TO MAKE ADA ACCESSABLE |
| B-18-265 | Remodel | 05/24/2018 | | Closed | AT&T, an existing tenant on the existing wireless communication tower proposes to upgrade its equipm |
| E-18-167 | Electrical | 05/22/2018 | | Closed | Install 120 Volt power to 10 auto door openers |
| E-18-162 | Other | 05/17/2018 | | Closed | Replace existing generator and transfer switch |
| B-17-686 | Comm Renovations | 12/05/2017 | | Closed | ADDITION OF THREE (3) ANTENNAS AND THREE (3) RRHS ONTO EXISTING COMMUNICATION TOWER AT THE CURRENT C |

| Permit Number | Permit Type | Date Opened | Date Closed | Permit Status | Reason |
|---------------|-----------------------|-------------|-------------|---------------|--|
| E-17-451 | Other | 11/28/2017 | | Closed | Newington High School, Running fiber cable from the MDF to the Mech Room, through drop ceiling in ra |
| E-17-229 | Electrical | 07/18/2017 | | Closed | RENOVATION OF ART CLASS ROOMS. INCLUDES DEMO AND ALL NEW WIRING, BOTH HIGH & LOW VOLTAGE. PER PLAN |
| P-17-126 | Plumbing | 07/10/2017 | | Closed | INSTALL PLUMBING FOR SINKS & EMERGENCY EYE WASH & SHOWERS ART ROOMS 414, 415, 416, 417, 418. MOVE R |
| E-17-161 | Electrical | 05/25/2017 | | Closed | RELOCATION OF LOW-VOLTAGE FIBER CABLING IN ROOMS 418, 413, AND THE OFFICE |
| B-17-121 | Comm Renovations | 03/29/2017 | | Closed | RENOVATION OF ART ROOMS AT HIGH SCHOOL NORTH END |
| E-17-28 | Electrical | 01/24/2017 | | Closed | Install Burglar, access control and CCTV system. |
| E-16-549 | Electrical | 12/23/2016 | | Closed | COMPLETE CONTROL WIRING FOR (5) RTU'S, (1) EXHAUST FAN, (2) CABINET UNIT HEATERS, (2) RADIATORS AND |
| E-16-539 | Electrical | 12/15/2016 | | Closed | ELECTRICAL ALTERATIONS AS PER PLANS & SPECS ON FILE. POWER LIGHTING FIRE ALARM |
| P-16-259 | Fire Sprinkler | 12/13/2016 | | Closed | RELOCATE 4" MAIN FOR DUCTWORK BEING INSTALLED & RELOCATED. MISC. BRANCH PIPING AND DROP NEW HEADS I |
| P-16-242 | Plumbing | 11/23/2016 | | Closed | Plumbing Fixtures, Piping & Gas line |
| M-16-305 | Air Conditioning | 11/23/2016 | | Closed | New Sheet Metal, New Roof Top Units, New Cabinet Unit Heaters, New Gas Lines, New Radiators |
| P-16-195 | Plumbing | 09/21/2016 | | Closed | ROUGH UNDERGROUND PLUMBING FOR PHASE 1 CULINARY ARTS AREA. 2 H/C BATHROOMS, 2 F.O., 2 HANDSINKS, GR |
| B-16-589 | Comm Renovations | 08/04/2016 | | Closed | 10,00 SQ FT CONVERT INDUSTRIAL TECH PROGRAM TO A STEM PROGRAM. |
| TB-16-475 | Commercial Demolition | 05/30/2016 | | Closed | DEMO OF EXISTING SPACE. |
| M-16-75 | Air Conditioning | 04/20/2016 | | Closed | AC |
| B-15-606 | Comm Renovations | 02/23/2016 | | Closed | (3) PANEL ANTENNAS AND ADD A NEW COMMSCOPE |
| TB-14-295 | Addition | 05/20/2014 | | Closed | ADDITION TO BAND ROOM |

| Permit Number | Permit Type | Date Opened | Date Closed | Permit Status | Reason |
|---------------|----------------|-------------|-------------|---------------|------------------------------------|
| TB-13-197 | Remodel | 04/26/2013 | | Closed | AAUDITORIUM, BAND AND CHORUS ROOMS |
| B-11-429 | Commercial New | 08/16/2011 | | Closed | New construct |
| B-11-352 | Remodel | 08/03/2011 | | Closed | remodel |
| TB-11-352 | Remodel | 06/28/2011 | | Closed | Remodel |
| | Addition | 06/28/2010 | | Closed | Gym flr replacement / misc |

Information Published With Permission From The Assessor

EXHIBIT 3



AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by



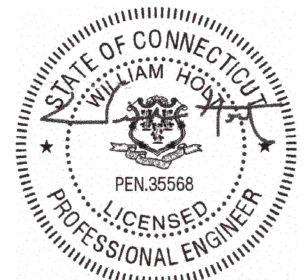
Antenna Mount Analysis Report

ATC Site Name : Newington CT
ATC Asset Number : 370627
Engineering Number : 13682696_C8_06
Mount Elevation : 155 ft
Carrier : AT&T Mobility
Carrier Site Name : MRCTB051590
Carrier Site Number : CTV5403
Site Location : 605 Willard Ave.
Newington, CT 06111-0000
41.69837222, -72.73714722
County : Hartford
Date : February 28, 2022
Max Usage : 50%
Result : **Contingent Pass***
*See conclusion for requirements

Prepared By:
Rohit Yadav
Telamon Tower Engineering, PLLC

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

Digitally signed by William
Holt
Date: 2022.02.28 13:57:55
-05'00'



William Holt, PE
Director of Engineering
License No. 35568 Expires: 01/31/2023

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Introduction

The proposed equipment is to be mounted to the existing Platform w/ Support Rails. This proposed mounting configuration was analyzed using RISA-3D, a commercially available finite element analysis software package. A selection of input and output from our analysis is attached to the end of this report.

Supporting Documents

| | |
|--------------------------|---|
| Structural Data | Site Photos, dated June 07, 2021 Spec Sheet by Site Pro 1, Dwg #RMQLP-4120-H10 |
| Previous Analyses | Tower SA by POD for ATC, Eng. #13682696_C3_04, dated November 11, 2021 Mount Analysis by ATC, Eng. #13222844_C8_09, dated September 04, 2020 |
| Loading Data | ATC Application, Project #13682696, Revision #1, dated January 24, 2022 AT&T RFDS, RFDS ID #4392789, Version: 3, dated October 25, 2021 |

Analysis

| | |
|--------------------------------------|--|
| Codes | TIA-222-H |
| Basic Wind Speed | 118 mph, V_{ult} (3-Second Gust) |
| Basic Wind Speed w/ Ice | 50 mph (3-Second Gust) w/ 1.5" Radial Ice (Escalating) |
| Exposure Category | B |
| Topographic Factor Procedure: | Method 2 |
| Feature: | Flat |
| Crest Height (H): | 0 ft |
| Crest Length (L): | 0 ft |
| Risk Category | II |
| Maintenance Live Load | L_M : 500 lb |
| Spectral Response | S_5 : 0.19; S_1 : 0.06; Site Class: D |

Conclusion

Based on the analysis, the antenna mount meets the requirements per the applicable codes listed above. The mounting configuration considered in this analysis will be capable of supporting the referenced loading pursuant to referenced standards once the following scope is executed:

AT&T CONMAT does not have parts which connect HSS tube to pipe and flush mount. Hence proposing modifications parts which are not listed in the CONMAT approved list.

- **Install (1) proposed mount pipe 4 ft. long Pipe 2STD, A53 Gr. B at stand-off horizontal at each sector for proposed RRUS (3 total) as shown. Connect to stand-off member using (1) Site Pro 1 BBPM-K1 crossover plate (3 total).**
- **Install (1) proposed Site Pro 1 LWRM (MIC.11440) ring mount to monopole with (3) Site Pro 1 FMA-1 flush mount adapter as shown and install (1) proposed Site Pro 1 P30120 (ANT.16008) 10ft. long pipe 2.5STD, A53 Gr. B at each sector for spare panel configuration (3 total).**

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 | |
| 154.5 | 158.0 | 3 | Ericsson AIR 6449 n77D | |
| | | 2 | Quintel Technology QD8616-7 | |
| | 156.0 | 2 | CCI DMP65R-BU8D | |
| | | 2 | CCI OPA-65R-LCUU-H8 | |
| | | 1 | CCI OPA-65R-LCUU-H6 | |
| | | 1 | Quintel Technology QD6616-7 | |
| | | 1 | CCI DMP65R-BU6D | |
| | | 1 | Raycap DC9-48-60-24-8C-EV | |
| | | 3 | Ericsson RRUS 32 B30 | |
| | | 3 | Ericsson RRUS E2 B29 | |
| | | 3 | Ericsson RRUS 4449 B5, B12 | |
| | | 3 | Ericsson RRUS 4478 B14 | |
| | | 3 | Ericsson RRUS 8843 B2/B66A | |
| | | 1 | Raycap DC6-48-60-18-8F | |
| | | 1 | Raycap DC6-48-60-0-8F | |
| | | 154.0 | 3 | Ericsson AIR 6419 N77G |

Structure Usages

| Structural Component | Controlling Usage | Pass/Fail |
|-------------------------------|-------------------|-----------|
| Support Rail Connection Plate | 50% | Pass |
| Support Rail Connection Angle | 44% | Pass |
| Mount Pipes | 41% | Pass |
| Support Rail | 35% | Pass |
| Mount to Tower Connections | 33% | Pass |
| Stand-Off Horizontals | 31% | Pass |
| Grating Angle | 22% | Pass |
| Platform Base | 10% | Pass |

EXHIBIT 4



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 179 ft Monopole
ATC Site Name : Newington CT,CT
ATC Site Number : 370627
Engineering Number : 13682696_C3_07
Proposed Carrier : AT&T MOBILITY
Carrier Site Name : MRCTB051590
Carrier Site Number : CT5403
Site Location : 605 Willard Ave.
Newington, CT 06111-0000
41.6984, -72.7371
County : Hartford
Date : January 28, 2022
Max Usage : 69%
Result : Pass

Prepared By:

Justin Althizer
ETS

Prepared By:

Frederic G. Bost, PE
ETS Job No. 22101965.STR.8826





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| Deflection and Sway* | 5 |
| Standard Conditions | 6 |
| Calculations | Attached |

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 179 ft Monopole to reflect the change in loading by AT&T MOBILITY.

Supporting Documents

| | |
|----------------------------|---|
| Tower Drawings | PiRod Engineering File #A-118092, dated August 10, 2001 |
| Foundation Drawing | PiRod Engineering File #A-118092, dated August 10, 2001 |
| Geotechnical Report | Clarence Welte, dated August 1, 2001 |

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: | 118 mph (3-second gust) |
| Basic Wind Speed w/ Ice: | 50 mph (3-second gust) w/ 1.50" 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 |
| Crest Length (L): | 0 ft |
| Spectral Response: | $S_s = 0.19$, $S_1 = 0.06$ |
| Site Class: | D - Stiff Soil - Default |

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 | Equipment | Mount Type | Lines | Carrier |
|-------------------------|-----------------|--|---------------------------------|---|-----------------------|
| 187.9 | 1 | Generic 18' Dipole | Triangular Low Profile Platform | (3) 7/8" Coax | TOWN OF NEWINGTON, CT |
| 180.0 | 1 | Generic 8' Yagi | | | |
| | 1 | Generic 10' Omni | | | |
| 170.0 | 3 | Ericsson AIR32 B66Aa/B2a | Triangular Low Profile Platform | (3) 1 1/4" (1.25"-31.8mm) Fiber (1) 1 5/8" Hybriflex | T-MOBILE |
| | 3 | Ericsson Air6449 B41 | | | |
| | 3 | Ericsson RRUS 4415 B25 | | | |
| | 3 | Ericsson Radio 4449 B71 B85A | | | |
| | 3 | RFS APXVAARR24_43-U-NA20 | | | |
| 156.0 | 1 | CCI DMP65R-BU6DA | Platform with Handrails | (3) 2" conduit | AT&T MOBILITY |
| | 1 | CCI OPA-65R-LCUU-H6 | | | |
| | 3 | Ericsson RRUS 32 B30 | | | |
| | 3 | Ericsson RRUS 4449 B5, B12 | | | |
| | 3 | Ericsson RRUS 4478 B14 | | | |
| | 3 | Ericsson RRUS 8843 B2, B66A | | | |
| | 1 | Raycap DC6-48-60-18-8F ("Squid") | | | |
| | 2 | CCI OPA-65R-LCUU-H8 (92.7") | | | |
| 2 | CCI DMP65R-BU8D | | | | |
| 143.5 | 3 | Alcatel-Lucent TD-RRH8x20 | Triangular Low Profile Platform | (4) 1 1/4" Hybriflex Cable | SPRINT NEXTEL |
| | 3 | Alcatel-Lucent TD-RRH8x20 | | | |
| 142.4 | 3 | Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter | | | |
| 140.6 | 1 | RFS APXV9ERR18-C-A20 | | | |
| 140.5 | 3 | Alcatel-Lucent 1900MHz RRH | | | |
| 140.3 | 2 | RFS APXVSP18-C-A20 | | | |
| 139.9 | 3 | RFS APXVTM14-C-I20 (56.2 lbs) | | | |
| 110.0 | 6 | Commscope SBNHH-1D65B (40.6 lbs) | | | |
| | 3 | Samsung MT6407-77A | | | |
| | 3 | Antel BXA-80063/4CF ___ 5° | | | |
| | 2 | Raycap RRFDC-3315-PF-48 | | | |
| | 3 | Samsung B5/B13 RRH-BR04C | | | |
| | 3 | Samsung B2/B66A RRH-BR049 | | | |

Equipment to be Removed

| Elev. ¹ (ft) | Qty | Equipment | Mount Type | Lines | Carrier |
|-------------------------|-----|--------------------------------------|------------|--|---------------|
| 156.0 | 6 | Powerwave Allgon LGP21401 | - | (3) 0.39" (10mm) Fiber Trunk (5) 0.78" (19.7mm) 8 AWG 6 (6) 1 5/8" Coax (1) 3/8" (0.38"- 9.5mm) RET Control Cable | AT&T MOBILITY |
| | 1 | Raycap DC6-48-60-18-8F ("Squid") | | | |
| | 3 | Ericsson RRUS 32 B2 | | | |
| | 1 | Raycap DC6-48-60-0-8F (31.4" Height) | | | |
| | 3 | Kathrein Scala 800 10121 | | | |
| | 1 | Quintel QS66512-2 | | | |
| 154.0 | 2 | CCI TPA-65R-LCUUUU-H8 | | | |

Proposed Equipment

| Elev. ¹ (ft) | Qty | Equipment | Mount Type | Lines | Carrier |
|-------------------------|-----|---------------------------|---------------------------------------|---|---------------|
| 158.0 | 3 | Ericsson AIR 6449 n77D | Triangular Platform with Handrails | (3) 0.40" (10.3mm) Fiber (6) 0.82" (20.8mm) 8 AWG 6 (1) 1.15" (29.2mm) Cable (2) 2" conduit | AT&T MOBILITY |
| 156.0 | 1 | Raycap DC6-48-60-18-8F | | | |
| | 3 | Ericsson RRUS E2 B29 | | | |
| | 1 | Raycap DC9-48-60-24-8C-EV | | | |
| | 2 | Quintel QD8616-7 | | | |
| | 1 | Quintel QD6616-7 | | | |
| 154.0 | 3 | Ericsson AIR 6419 N77G | | | |

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

² Install proposed lines inside the pole shaft.

Structure Usages

| Structural Component | Controlling Usage | Pass/Fail |
|----------------------|-------------------|-----------|
| Anchor Bolts | 59% | Pass |
| Shaft | 69% | Pass |
| Base Plate | 64% | Pass |

Foundations

| Reaction Component | Analysis Reactions | % of Usage |
|--------------------|--------------------|------------|
| Axial (Kips) | 63.4 | 2% |
| Shear (Kips) | 31.7 | 6% |

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

| Antenna Elevation (ft) | Antenna | Carrier | Deflection (ft) | Sway (Rotation) (°) |
|------------------------|---------------------------|---------------|-----------------|---------------------|
| 158.0 | Ericsson AIR 6449 n77D | AT&T MOBILITY | 2.111 | 1.720 |
| 156.0 | Ericsson RRUS E2 B29 | | 2.051 | 1.700 |
| | Raycap DC6-48-60-18-8F | | | |
| | Raycap DC9-48-60-24-8C-EV | | | |
| | Quintel QD8616-7 | | | |
| | Quintel QD6616-7 | | | |
| 154.0 | Ericsson AIR 6419 N77G | 1.993 | 1.670 | |

*Deflection, Twist 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 5



Radio Frequency Exposure Analysis Report

April 21, 2022

American Tower on behalf of AT&T
Centerline Communications Project Number: 950007-208

AT&T Site Name: Newington Central
Site Number: CTV5403
FA#: 10071165
USID: 25995

Site Address: 605 Willard Avenue, Newington, CT 06111

Site Compliance Summary

| | |
|---|-----------------------------------|
| AT&T Compliance Status: | Compliant |
| Cumulative Calculated Power Density (Ground Level): | 1.92394 $\mu\text{W}/\text{cm}^2$ |
| Cumulative General Population % MPE (Ground Level): | 0.24995% |



April 21, 2022

American Tower

Attn: Dayna Priest, Site Development, East Region-American Tower

RF Exposure Analysis for Site: **Newington Central**

Centerline Communications, LLC (“Centerline”) was contracted to analyze the proposed AT&T facility at **605 Willard Avenue, Newington, CT 06111** 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 the Ground.

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 (Location: approximately 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 QD8616-7 V1 | 700 | 13.04 | 155.90 | 4.00 | 40.00 | 3219.44 | 0.02156 | 466.67 | 0.00462 |
| AT&T A 1 | QUINTEL QD8616-7 V1 | 1900 | 15.25 | 155.90 | 2.00 | 40.00 | 2680.22 | 0.00937 | 1000.00 | 0.00094 |
| AT&T A 1 | QUINTEL QD8616-7 V1 | 1900 | 15.25 | 155.90 | 2.00 | 40.00 | 2680.22 | 0.00937 | 1000.00 | 0.00094 |
| AT&T A 1 | QUINTEL QD8616-7 V1 | 2100 | 15.83 | 155.90 | 2.00 | 40.00 | 3060.41 | 0.01063 | 1000.00 | 0.00106 |
| AT&T A 1 | QUINTEL QD8616-7 V1 | 2100 | 15.83 | 155.90 | 2.00 | 40.00 | 3060.41 | 0.01063 | 1000.00 | 0.00106 |
| AT&T A 2 | NOKIA AEQK | 3840 | 22.65 | 158.10 | 1.00 | 67.78 | 12476.75 | 0.27907 | 1000.00 | 0.02791 |
| AT&T A 3 | NOKIA AEQU | 3450 | 22.65 | 154.00 | 1.00 | 67.78 | 12476.75 | 0.32221 | 1000.00 | 0.03222 |
| AT&T A 4 | CCI DMP65R-BU8D | 700 | 12.25 | 155.90 | 2.00 | 40.00 | 1343.04 | 0.01649 | 466.67 | 0.00353 |
| AT&T A 4 | CCI DMP65R-BU8D | 850 | 12.55 | 155.90 | 2.00 | 40.00 | 1439.10 | 0.01731 | 566.67 | 0.00306 |
| AT&T A 4 | CCI DMP65R-BU8D | 2300 | 14.95 | 155.90 | 4.00 | 25.00 | 3126.08 | 0.02825 | 1000.00 | 0.00283 |
| AT&T A 5 | CCI OPA-65R-LCUU-H8 | 850 | 13.66 | 155.90 | 0.00 | 0.00 | #NUM! | 0.00000 | 566.67 | 0.00000 |
| AT&T B 6 | QUINTEL QD8616-7 V1 | 700 | 13.04 | 155.90 | 4.00 | 40.00 | 3219.44 | 0.00001 | 466.67 | 0.00000 |
| AT&T B 6 | QUINTEL QD8616-7 V1 | 1900 | 15.25 | 155.90 | 2.00 | 40.00 | 2680.22 | 0.00000 | 1000.00 | 0.00000 |
| AT&T B 6 | QUINTEL QD8616-7 V1 | 1900 | 15.25 | 155.90 | 2.00 | 40.00 | 2680.22 | 0.00000 | 1000.00 | 0.00000 |
| AT&T B 6 | QUINTEL QD8616-7 V1 | 2100 | 15.83 | 155.90 | 2.00 | 40.00 | 3060.41 | 0.00000 | 1000.00 | 0.00000 |
| AT&T B 6 | QUINTEL QD8616-7 V1 | 2100 | 15.83 | 155.90 | 2.00 | 40.00 | 3060.41 | 0.00000 | 1000.00 | 0.00000 |
| AT&T B 7 | NOKIA AEQK | 3840 | 22.65 | 158.10 | 1.00 | 67.78 | 12476.75 | 0.00014 | 1000.00 | 0.00001 |
| AT&T B 8 | NOKIA AEQU | 3450 | 22.65 | 154.00 | 1.00 | 67.78 | 12476.75 | 0.00014 | 1000.00 | 0.00001 |
| AT&T B 9 | CCI DMP65R-BU8D | 700 | 12.25 | 155.90 | 2.00 | 40.00 | 1343.04 | 0.00000 | 466.67 | 0.00000 |
| AT&T B 9 | CCI DMP65R-BU8D | 850 | 12.55 | 155.90 | 2.00 | 40.00 | 1439.10 | 0.00000 | 566.67 | 0.00000 |
| AT&T B 9 | CCI DMP65R-BU8D | 2300 | 14.95 | 155.90 | 4.00 | 25.00 | 3126.08 | 0.00002 | 1000.00 | 0.00000 |
| AT&T B 10 | CCI OPA-65R-LCUU-H6 | 850 | 12.76 | 155.90 | 0.00 | 0.00 | #NUM! | 0.00000 | 566.67 | 0.00000 |
| AT&T C 11 | QUINTEL QD8616-7 V1 | 700 | 13.04 | 155.90 | 4.00 | 40.00 | 3219.44 | 0.00016 | 466.67 | 0.00004 |
| AT&T C 11 | QUINTEL QD8616-7 V1 | 1900 | 15.25 | 155.90 | 2.00 | 40.00 | 2680.22 | 0.00001 | 1000.00 | 0.00000 |
| AT&T C 11 | QUINTEL QD8616-7 V1 | 1900 | 15.25 | 155.90 | 2.00 | 40.00 | 2680.22 | 0.00001 | 1000.00 | 0.00000 |
| AT&T C 11 | QUINTEL QD8616-7 V1 | 2100 | 15.83 | 155.90 | 2.00 | 40.00 | 3060.41 | 0.00002 | 1000.00 | 0.00000 |
| AT&T C 11 | QUINTEL QD8616-7 V1 | 2100 | 15.83 | 155.90 | 2.00 | 40.00 | 3060.41 | 0.00002 | 1000.00 | 0.00000 |
| AT&T C 12 | NOKIA AEQK | 3840 | 22.65 | 158.10 | 1.00 | 67.78 | 12476.75 | 0.00056 | 1000.00 | 0.00006 |
| AT&T C 13 | NOKIA AEQU | 3450 | 22.65 | 154.00 | 1.00 | 67.78 | 12476.75 | 0.00065 | 1000.00 | 0.00006 |
| AT&T C 14 | CCI DMP65R-BU8D | 700 | 12.25 | 155.90 | 2.00 | 40.00 | 1343.04 | 0.00000 | 466.67 | 0.00000 |
| AT&T C 14 | CCI DMP65R-BU8D | 850 | 12.55 | 155.90 | 2.00 | 40.00 | 1439.10 | 0.00000 | 566.67 | 0.00000 |
| AT&T C 14 | CCI DMP65R-BU8D | 2300 | 14.95 | 155.90 | 4.00 | 25.00 | 3126.08 | 0.00001 | 1000.00 | 0.00000 |
| AT&T C 15 | CCI OPA-65R-LCUU-H8 | 850 | 13.66 | 155.90 | 0.00 | 0.00 | #NUM! | 0.00000 | 566.67 | 0.00000 |
| Unknown A 16 | GENERIC PANEL 6FT | 700 | 12.33 | 168.80 | 2.00 | 40.00 | 1368.01 | 0.02991 | 466.67 | 0.00641 |



| 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 A 16 | GENERIC PANEL 6FT | 850 | 12.62 | 168.80 | 2.00 | 40.00 | 1462.48 | 0.02990 | 566.67 | 0.00528 |
| Unknown A 17 | GENERIC PANEL 6FT | 1900 | 15.84 | 168.80 | 4.00 | 40.00 | 6139.32 | 0.05994 | 1000.00 | 0.00599 |
| Unknown A 18 | GENERIC PANEL 6FT | 700 | 12.33 | 168.80 | 2.00 | 40.00 | 1368.01 | 0.02991 | 466.67 | 0.00641 |
| Unknown A 18 | GENERIC PANEL 6FT | 850 | 12.62 | 168.80 | 2.00 | 40.00 | 1462.48 | 0.02990 | 566.67 | 0.00528 |
| Unknown A 18 | GENERIC PANEL 6FT | 2100 | 16.39 | 168.80 | 4.00 | 40.00 | 6968.19 | 0.05898 | 1000.00 | 0.00590 |
| Unknown A 19 | GENERIC PANEL | 3700 | 23.35 | 168.80 | 4.00 | 50.00 | 43254.37 | 0.11278 | 1000.00 | 0.01128 |
| Unknown A 20 | GENERIC PANEL | 3550 | 8.30 | 168.80 | 4.00 | 5.00 | 135.22 | 0.01173 | 1000.00 | 0.00117 |
| Unknown B 21 | GENERIC PANEL 6FT | 700 | 12.33 | 168.80 | 2.00 | 40.00 | 1368.01 | 0.00014 | 466.67 | 0.00003 |
| Unknown B 21 | GENERIC PANEL 6FT | 850 | 12.62 | 168.80 | 2.00 | 40.00 | 1462.48 | 0.00000 | 566.67 | 0.00000 |
| Unknown B 22 | GENERIC PANEL 6FT | 1900 | 15.84 | 168.80 | 4.00 | 40.00 | 6139.32 | 0.00002 | 1000.00 | 0.00000 |
| Unknown B 23 | GENERIC PANEL 6FT | 700 | 12.33 | 168.80 | 2.00 | 40.00 | 1368.01 | 0.00014 | 466.67 | 0.00003 |
| Unknown B 23 | GENERIC PANEL 6FT | 850 | 12.62 | 168.80 | 2.00 | 40.00 | 1462.48 | 0.00000 | 566.67 | 0.00000 |
| Unknown B 23 | GENERIC PANEL 6FT | 2100 | 16.39 | 168.80 | 4.00 | 40.00 | 6968.19 | 0.00003 | 1000.00 | 0.00000 |
| Unknown B 24 | GENERIC PANEL | 3700 | 23.35 | 168.80 | 4.00 | 50.00 | 43254.37 | 0.00236 | 1000.00 | 0.00024 |
| Unknown B 25 | GENERIC PANEL | 3550 | 8.30 | 168.80 | 4.00 | 5.00 | 135.22 | 0.00003 | 1000.00 | 0.00000 |
| Unknown C 26 | GENERIC PANEL 6FT | 700 | 12.33 | 168.80 | 2.00 | 40.00 | 1368.01 | 0.00005 | 466.67 | 0.00001 |
| Unknown C 26 | GENERIC PANEL 6FT | 850 | 12.62 | 168.80 | 2.00 | 40.00 | 1462.48 | 0.00007 | 566.67 | 0.00001 |
| Unknown C 27 | GENERIC PANEL 6FT | 1900 | 15.84 | 168.80 | 4.00 | 40.00 | 6139.32 | 0.00007 | 1000.00 | 0.00001 |
| Unknown C 28 | GENERIC PANEL 6FT | 700 | 12.33 | 168.80 | 2.00 | 40.00 | 1368.01 | 0.00005 | 466.67 | 0.00001 |
| Unknown C 28 | GENERIC PANEL 6FT | 850 | 12.62 | 168.80 | 2.00 | 40.00 | 1462.48 | 0.00007 | 566.67 | 0.00001 |
| Unknown C 28 | GENERIC PANEL 6FT | 2100 | 16.39 | 168.80 | 4.00 | 40.00 | 6968.19 | 0.00004 | 1000.00 | 0.00000 |
| Unknown C 29 | GENERIC PANEL | 3700 | 23.35 | 168.80 | 4.00 | 50.00 | 43254.37 | 0.00271 | 1000.00 | 0.00027 |
| Unknown C 30 | GENERIC PANEL | 3550 | 8.30 | 168.80 | 4.00 | 5.00 | 135.22 | 0.00002 | 1000.00 | 0.00000 |
| Unknown A 31 | GENERIC PANEL 6FT | 1900 | 15.84 | 139.70 | 2.00 | 60.00 | 4604.49 | 0.06925 | 1000.00 | 0.00693 |
| Unknown A 32 | GENERIC PANEL 6FT | 600 | 12.33 | 139.70 | 2.00 | 60.00 | 2052.02 | 0.06927 | 400.00 | 0.01732 |
| Unknown A 33 | GENERIC PANEL 6FT | 700 | 12.33 | 139.70 | 2.00 | 60.00 | 2052.02 | 0.06927 | 466.67 | 0.01484 |
| Unknown A 34 | GENERIC PANEL 6FT | 2100 | 15.84 | 139.70 | 2.00 | 60.00 | 4604.49 | 0.06925 | 1000.00 | 0.00693 |
| Unknown A 35 | GENERIC PANEL | 3700 | 23.55 | 139.70 | 4.00 | 80.00 | 72468.62 | 0.25889 | 1000.00 | 0.02589 |



| 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 B 36 | GENERIC PANEL 6FT | 1900 | 15.84 | 139.70 | 2.00 | 60.00 | 4604.49 | 0.00001 | 1000.00 | 0.00000 |
| Unknown B 37 | GENERIC PANEL 6FT | 600 | 12.33 | 139.70 | 2.00 | 60.00 | 2052.02 | 0.00029 | 400.00 | 0.00007 |
| Unknown B 38 | GENERIC PANEL 6FT | 700 | 12.33 | 139.70 | 2.00 | 60.00 | 2052.02 | 0.00029 | 466.67 | 0.00006 |
| Unknown B 39 | GENERIC PANEL 6FT | 2100 | 15.84 | 139.70 | 2.00 | 60.00 | 4604.49 | 0.00001 | 1000.00 | 0.00000 |
| Unknown B 40 | GENERIC PANEL | 3700 | 23.55 | 139.70 | 4.00 | 80.00 | 72468.62 | 0.00182 | 1000.00 | 0.00018 |
| Unknown C 41 | GENERIC PANEL 6FT | 1900 | 15.84 | 139.70 | 2.00 | 60.00 | 4604.49 | 0.00011 | 1000.00 | 0.00001 |
| Unknown C 42 | GENERIC PANEL 6FT | 600 | 12.33 | 139.70 | 2.00 | 60.00 | 2052.02 | 0.00017 | 400.00 | 0.00004 |
| Unknown C 43 | GENERIC PANEL 6FT | 700 | 12.33 | 139.70 | 2.00 | 60.00 | 2052.02 | 0.00017 | 466.67 | 0.00004 |
| Unknown C 44 | GENERIC PANEL 6FT | 2100 | 15.84 | 139.70 | 2.00 | 60.00 | 4604.49 | 0.00011 | 1000.00 | 0.00001 |
| Unknown C 45 | GENERIC PANEL | 3700 | 23.55 | 139.70 | 4.00 | 80.00 | 72468.62 | 0.00000 | 1000.00 | 0.00023 |
| Unknown A 46 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.05727 | 566.67 | 0.01011 |
| Unknown A 47 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.05727 | 566.67 | 0.01011 |
| Unknown A 48 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.05727 | 566.67 | 0.01011 |
| Unknown A 49 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.05727 | 566.67 | 0.01011 |
| Unknown A 50 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.05727 | 566.67 | 0.01011 |
| Unknown B 51 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00001 | 566.67 | 0.00000 |
| Unknown B 52 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00001 | 566.67 | 0.00000 |
| Unknown B 53 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00001 | 566.67 | 0.00000 |
| Unknown B 54 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00001 | 566.67 | 0.00000 |
| Unknown B 55 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00001 | 566.67 | 0.00000 |
| Unknown C 56 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00018 | 566.67 | 0.00003 |
| Unknown C 57 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00018 | 566.67 | 0.00003 |
| Unknown C 58 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00018 | 566.67 | 0.00003 |
| Unknown C 59 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00018 | 566.67 | 0.00003 |
| Unknown C 60 | GENERIC PANEL 6FT | 850 | 12.62 | 109.90 | 1.00 | 60.00 | 1096.86 | 0.00018 | 566.67 | 0.00003 |
| | | | | | | | Cumulative Power Density: | 1.92394 $\mu\text{W}/\text{cm}^2$ | Cumulative % MPE: | 0.24995% |



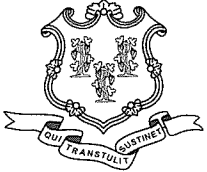
Summary

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.

Michelle Stone

Michelle Stone
RF EME Technical Writer II
Centerline Communications, LLC

EXHIBIT 6



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

Internet: ct.gov/csc

Daniel F. Caruso
Chairman

#22

October 1, 2007

Steven L. Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067

5403 - NEWINGTON
1048 > UNION
5453 > UNION
1154 - WEST HARTFORD
1082 - VERNON

RE: **EM-CING-094-145-145-146-155-070914** – New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 605 Willard Avenue, Newington; 107 Stickney Hill Road, Union; 1050 Buckley Highway, Union; 197 South Street, Vernon; and 3114 Albany Avenue, West Hartford, Connecticut.

Dear Mr. Levine:

At a public meeting held on September 25, 2007, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

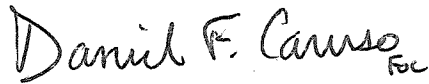
The proposed modifications are to be implemented as specified here and in your notice dated September 12, 2007, including the placement of all necessary equipment and shelters within the tower compounds. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

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 any of these facilities 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. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.



Thank you for your attention and cooperation.

Very truly yours,

Handwritten signature of Daniel F. Caruso in cursive, with the initials "DFC" written below the name.

Daniel F. Caruso
Chairman

DFC/MP/cm

c: The Honorable Rodney Burt Mortensen, Mayor, Town of Newington
Edmund Meehan, Town Planner, Town of Newington
The Honorable Ellen L. Marmer, Mayor, Town of Vernon
Gene F. Bolles, Zoning Enforcement Officer, Town of Vernon
The Honorable Scott Slifka, Mayor, Town of West Hartford
Mila Limson, Town Planner, Town of West Hartford
The Honorable Thomas L. Fitzgerald, First Selectman, Town of Union
Planning & Zoning Official, Town of Union
Marcus Group
Cox Communications
New England Site Management
Crown Castle
Marlin Tower

APPLICATION FOR BUILDING PERMIT

COMMERCIAL * INDUSTRIAL * MULTI-FAMILY RESIDENTIAL
TOWN OF NEWINGTON, 131 CEDAR STREET, NEWINGTON CT 06111
TEL. 860-665-8580 FAX 860-665-8577-BUILDING DEPARTMENT
APPLICATION MUST BE FILLED OUT COMPLETELY IN INK

JOB LOCATION: 605 Willard Ave

CONTRACTOR'S NAME McPhee Electrical TEL. NO. 677-9797 Doug Barker

CONTRACTOR'S ADDRESS: 505 Main Street

CITY Farmington STATE CT ZIP 06032 STATE REG. NO. _____

OWNER'S NAME Marcus Group TEL. NO. 860-643-0440 ext: 222

OWNER'S ADDRESS 275 New State Road, ~~Newington~~ Manchester CT. 06

DETAILED DESCRIPTION OF WORK TO BE PERFORMED: Installation of a telecommunications

monopole, associated equipment, buildings, ^{* NEWINGTON} generator, and power. Telephone

(GENERATOR / POWER AND ALL RELATED ELECTRICAL WORK NOT INCLUDED)

TOTAL VALUE OF WORK TO BE PERFORMED: \$ 203,000

SIZE OF STRUCTURE TO BE BUILT: WIDTH _____ DEPTH _____ AREA _____ (SQ.FT.) 180' High

T.P.Z./Z.B.A. APPROVAL: 8-24 Approval DATE: _____

ALL WORK COVERED BY THIS APPLICATION HAS BEEN AUTHORIZED BY THE (OWNER) OR (AGENT) OF THIS PROPERTY AND WILL BE DONE ACCORDING TO STATE CODES AND REGULATIONS. **NO WORK SHALL BE STARTED UNTIL THE BUILDING DEPARTMENT HAS RECEIVED THIS APPLICATION AND HAS ISSUED A BUILDING PERMIT. ALL PERMITS APPROVED SUBJECT TO FIELD INSPECTIONS.**

Signed Jeffrey York ^{Auth. Agent} for Marcus Group 10-29-01 860-916-4380
(applicant) (date) (telephone no.)

Please print name Jeffrey A. York

BUILDING PERMITS PAID FOR: BUILDING HEATING & AIR COND. _____
ELECTRICAL _____ PLUMBING _____

BUILDING PERMIT FEE \$ Paid under
OCCUPANCY FEE \$ ok # 1127 and REC'D BY: _____
ZONING FEE: \$ ok # 1162 DATE: 10/29/01
TOTAL PAID \$ _____

APPROVED BY: [Signature]
DATE: 10/29/01
PERMIT NO.: 62860

EXHIBIT 7

ups Shipment Receipt

Transaction Date: 24 Mar 2022

Tracking Number:

1Z9Y45030335795724

1 Address Information

| | | |
|---|--|---|
| Ship To: | Ship From: | Return Address: |
| CONNECTICUT SITING COUNCIL MELANIE BACHMAN, EXECUTIVE DIRECTOR 10 FRANKLIN SQUARE NEW BRITAIN CT 060512655 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 |

2 Package Information

| | Weight | Dimensions / Packaging | Declared Value | Reference Numbers |
|----|-------------------------------|----------------------------------|----------------|-------------------|
| 1. | 1.0 lbs (1.0 lbs billable) | 12 x 9 x 1in. Other Packaging | | |

3 UPS Shipping Service and Shipping Options

| | |
|--------------------------------|--------------------|
| Service: | UPS Ground Service |
| Shipping Fees Subtotal: | 12.27 USD |
| Transportation | 10.65 USD |
| Fuel Surcharge | 1.62 USD |

4 Payment Information

Bill Shipping Charges to: Shipper's Account 9Y4503

| | |
|-----------------------------------|-----------|
| Shipping Charges: | 12.27 USD |
| Subtotal Shipping Charges: | 12.27 USD |
| Total Charged: | 12.27 USD |

Note: This document is not an invoice. Your final invoice may vary from the displayed reference rates.

* For delivery and guarantee information, see the UPS Service Guide ({0}). To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-782-7892 for international services.

ups Shipment Receipt

Transaction Date: 24 Mar 2022

Tracking Number:

1Z9Y45030330251338

1 Address Information

| | | |
|---|---|---|
| Ship To: NEWINGTON HIGH SCHOOL NEWINGTON PUBLIC SCHOOLS 200 GARFIELD STREET NEWINGTON CT 061112844 | Ship From: CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 | Return Address: CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 |
|---|---|---|

2 Package Information

| | Weight | Dimensions / Packaging | Declared Value | Reference Numbers |
|----|-------------------------------|----------------------------------|----------------|-------------------|
| 1. | 1.0 lbs (1.0 lbs billable) | 12 x 9 x 1in. Other Packaging | | |

3 UPS Shipping Service and Shipping Options

Service: UPS Ground Service

Shipping Fees Subtotal: 12.27 USD

Transportation: 10.65 USD

Fuel Surcharge: 1.62 USD

4 Payment Information

Bill Shipping Charges to: Shipper's Account 9Y4503

| | |
|-----------------------------------|-----------|
| Shipping Charges: | 12.27 USD |
| Subtotal Shipping Charges: | 12.27 USD |
| Total Charged: | 12.27 USD |

Note: This document is not an invoice. Your final invoice may vary from the displayed reference rates.

* For delivery and guarantee information, see the UPS Service Guide ({}). To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-782-7892 for international services.

ups Shipment Receipt

Transaction Date: 24 Mar 2022

Tracking Number:

1Z9Y45030336999940

1 Address Information

| | | |
|---|---|---|
| Ship To: | Ship From: | Return Address: |
| AMERICAN TOWER CORPORATION JACQUELINE HALL 10 PRESIDENTIAL WAY WOBURN MA 018011053 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 |

2 Package Information

| | Weight | Dimensions / Packaging | Declared Value | Reference Numbers |
|----|-------------------------------|----------------------------------|----------------|-------------------|
| 1. | 1.0 lbs (1.0 lbs billable) | 12 x 9 x 1in. Other Packaging | | |

3 UPS Shipping Service and Shipping Options

Service: UPS Ground Service

Shipping Fees Subtotal: 12.27 USD

Transportation: 10.65 USD

Fuel Surcharge: 1.62 USD

4 Payment Information

Bill Shipping Charges to: Shipper's Account 9Y4503

| | |
|-----------------------------------|-----------|
| Shipping Charges: | 12.27 USD |
| Subtotal Shipping Charges: | 12.27 USD |
| Total Charged: | 12.27 USD |

Note: This document is not an invoice. Your final invoice may vary from the displayed reference rates.

* For delivery and guarantee information, see the UPS Service Guide ({}). To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-782-7892 for international services.

ups Shipment Receipt

Transaction Date: 24 Mar 2022

Tracking Number:

1Z9Y45030336941555

1 Address Information

| | | |
|--|--|---|
| Ship To: | Ship From: | Return Address: |
| TOWN OF NEWINGTON TOWN MANAGER 200 GARFIELD STREET NEWINGTON CT 061112844 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 |

2 Package Information

| | Weight | Dimensions / Packaging | Declared Value | Reference Numbers |
|----|-------------------------------|----------------------------------|----------------|-------------------|
| 1. | 1.0 lbs (1.0 lbs billable) | 12 x 9 x 1in. Other Packaging | | |

3 UPS Shipping Service and Shipping Options

| | |
|--------------------------------|--------------------|
| Service: | UPS Ground Service |
| Shipping Fees Subtotal: | 12.27 USD |
| Transportation | 10.65 USD |
| Fuel Surcharge | 1.62 USD |

4 Payment Information

Bill Shipping Charges to: Shipper's Account 9Y4503

| | |
|-----------------------------------|-----------|
| Shipping Charges: | 12.27 USD |
| Subtotal Shipping Charges: | 12.27 USD |
| Total Charged: | 12.27 USD |

Note: This document is not an invoice. Your final invoice may vary from the displayed reference rates.

* For delivery and guarantee information, see the UPS Service Guide ({}). To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-782-7892 for international services.

ups Shipment Receipt

Transaction Date: 24 Mar 2022

Tracking Number:

1Z9Y45030320976164

1 Address Information

| | | |
|--|--|---|
| Ship To: | Ship From: | Return Address: |
| TOWN OF NEWINGTON TOWN PLANNER 200 GARFIELD STREET NEWINGTON CT 061112844 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 | CENTERLINE COMMUNICATIONS ALLISON HEBEL 768 SOUTHLEAF DR VIRGINIA BEACH VA 234624748 Telephone:2155887035 |

2 Package Information

| | Weight | Dimensions / Packaging | Declared Value | Reference Numbers |
|----|-------------------------------|-----------------------------------|----------------|-------------------|
| 1. | 1.0 lbs (1.0 lbs billable) | 12 x 9 x 1 in. Other Packaging | | |

3 UPS Shipping Service and Shipping Options

Service: UPS Ground Service

Shipping Fees Subtotal: 12.27 USD

Transportation: 10.65 USD

Fuel Surcharge: 1.62 USD

4 Payment Information

Bill Shipping Charges to: Shipper's Account 9Y4503

| | |
|-----------------------------------|-----------|
| Shipping Charges: | 12.27 USD |
| Subtotal Shipping Charges: | 12.27 USD |
| Total Charged: | 12.27 USD |

Note: This document is not an invoice. Your final invoice may vary from the displayed reference rates.

* For delivery and guarantee information, see the UPS Service Guide ({}). To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-782-7892 for international services.