

**From:** Daniel Hatab <daniel.hatab@ramapocom.com>  
**Sent:** Friday, April 2, 2021 10:34 AM  
**To:** CSC-DL Siting Council <Siting.Council@ct.gov>  
**Subject:** EM-CING-162-201026 (AT&T Site CTL01071)

Good Morning,

The site below has been completed on 3/15, CSC letter is attached for reference and also CCA letter.

AT&T Site: CTL01071  
Address: 15 Oakdale Avenue, Windsted CT 06098

Thank You,

**Daniel Hatab**

[daniel.hatab@ramapocom.com](mailto:daniel.hatab@ramapocom.com)

*20 Romanelli Ave, S. Hackensack, NJ 07606*

Cell Phone: (201) 742-1070

Office Phone: (201) 343-2995



Date: March 30, 2021

State of Connecticut  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, Ct. 06051  
Phone: (860) 827-2935

SMW Engineering Group, Inc.  
158 Business Center Dr  
Birmingham AL. 35244  
(205) 252-6985

**RE:** EM-CING-162-201026  
**Subject:** Special Inspection Letter – Final Certification  
**ATC Site:** Winchester CT 3 – 302506  
**AT&T site:** CTL01071 – FA:10035017  
**Site Address:** 15 Oakdale Avenue  
Winsted, Ct. 06098-1862  
**AT&T Scope of work:** 5C,6C,5G NR – Antenna Amendment Drawings  
**SMW Engineering Project:** 20-10208.1

Dear Sir or Madam,

On March 30, 2021, SMW Engineering Group, Inc., reviewed detailed photographs of the AT&T telecommunication facility located at the above referenced site. The purpose of these pictures was to inspect the installation in accordance with the following codes:

- International Building Code (IBC)
- National Electric Code (NEC)
- Local Building Code
- City / County Ordinances

**Proposed scope of work on tower from Construction Drawings:**

- Removal of (3) existing KMW – AM-X-CD-16-65-00T-RET antennas – (1) per sector
- Removal of (3) existing Powerwave 7770 antennas – (1) per sector
- Removal of (6) existing Powerwave LGP 21901 Diplexers – (2) per sector
- Removal of (3) existing Powerwave TT19-08BP111-001 TMA's - (1) per sector
- Removal of (3) existing RRUS-11 B12 - (1) per sector
- Removal of (3) existing RRUS-12 B2 - (1) per sector
- Installation of (3) new Site Pro 1 HRK-12 – Platform handrail Kit - (1) per sector

- Installation of (3) new CCI OPA65R-BU6BA antennas – (1) per sector
- Installation of (3) new CCI DMP65R-BU6DA antennas – (1) per sector
- Installation of (3) RRUS 8843 B2/B66A – (1) per sector
- Installation of (3) RRUS 4449 B5/B12 - (1) per sector
- Installation of (3) RRUS E2 B29 - (1) per sector
- Installation of (1) DC6-48-60-18-8F squid

**Discrepancies from Permitted Drawings:**

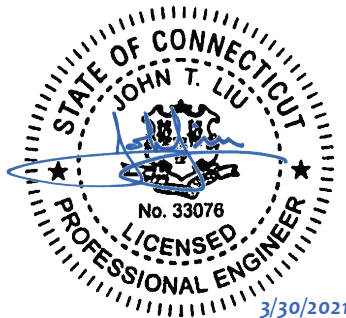
- None

To the best of our knowledge, belief, and professional judgment, the connections of the installed equipment were performed **in substantial compliance** with the approved construction drawings prepared by SMW Engineering Group, Inc. dated 01-25-21 Rev.1.

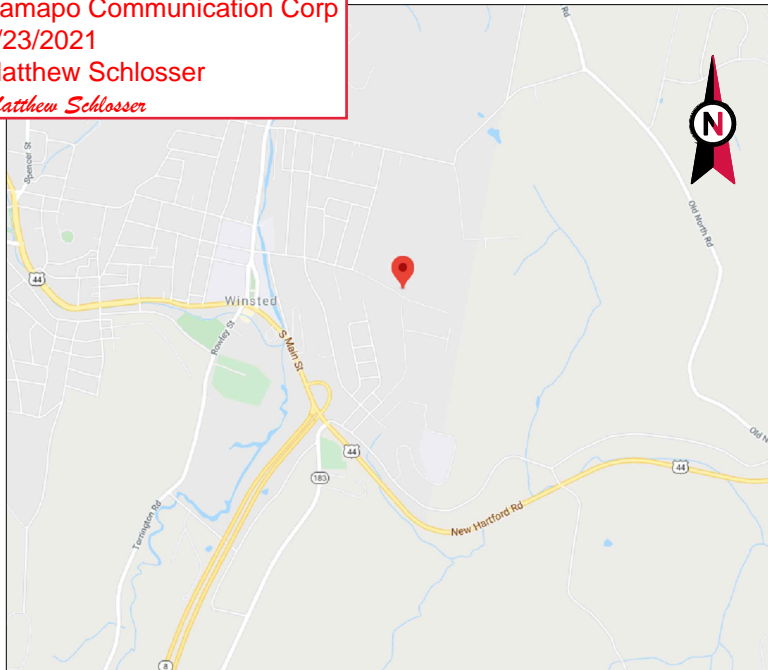
Should you have any questions or wish to discuss any aspect of this letter, please do not hesitate to contact the undersigned.

Sincerely,

John T. Liu, PE  
**SMW Engineering Group, INC.**  
Principal Engineer  
Connecticut Registration #33076



REDLINED CDs  
 Ramapo Communication Corp  
 2/23/2021  
 Matthew Schlosser  
 Matthew Schlosser



VICINITY MAP



**AMERICAN TOWER®**

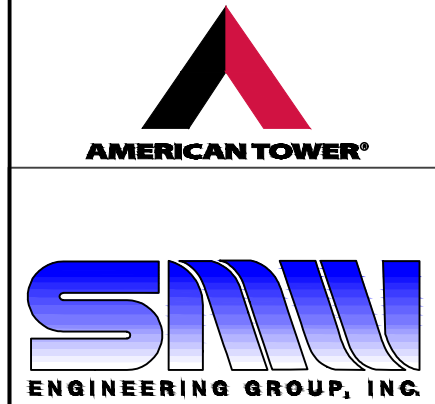
ATC SITE NAME: WINCHESTER CT 3  
 ATC SITE NUMBER: 302506  
 AT&T PACE NUMBER: MRCTB045239/MRCTB045192/  
 MRCTB045293/MRCTB045295/MRCTB045202  
 AT&T SITE ID: CTL01071  
 AT&T FA CODE: 10035017  
 PROJECTS: 5C,6C,5G NR  
 SITE ADDRESS: 15 OAKDALE AVENUE

WINSTED, CT 06098-1862

**AT&T MOBILITY  
 ANTENNA AMENDMENT DRAWINGS**



LOCATION MAP

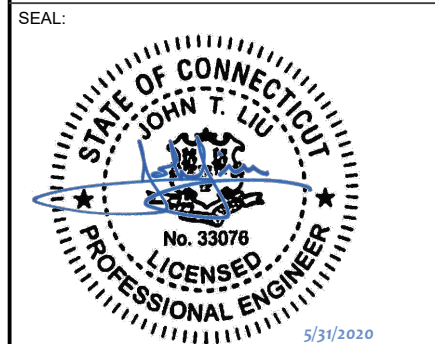


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 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**  
 ATC SITE NAME:  
**WINCHESTER CT 3**

SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862



DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

**COVER SHEET**

SHEET NUMBER:  
**G-001**  
 REVISION:  
**0**

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>            15 OAKDALE AVENUE            WINSTED, CT 06098-1862            COUNTY: LITCHFIELD</p> <p><u>GEOGRAPHIC COORDINATES:</u>            LATITUDE: 41.92169444            LONGITUDE: -73.0495            GROUND ELEVATION: 1073' AMSL</p>	<p>THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:  <u>TOWER WORK:</u>            REMOVE (6) ANTENNAS, (6) RRR'S, (6) DIPLEXERS, (3) TMA'S, AND (6) 1-5/8" COAX CABLES.</p> <p>INSTALL (6) ANTENNAS, (9) RRR'S, (1) SQUID, (2) 0.78" 8AWG6 DC CABLES, AND (2) 0.39" FIBER CABLES</p> <p>EXISTING (3) ANTENNAS, (5) RRHS, (6) TMA'S, (2) SQUIDS, (6) 1-5/8" COAX CABLES, (2) 0.78" 8AWG6 DC CABLES, AND (1) 0.40" FIBER CABLES TO REMAIN.</p> <p><u>GROUND WORK:</u>            INSTALL (1) 6630 AND (1) IDLE CABLE.</p> <p><b>INSTALL (1) RAYCAP IN FIF RACK</b></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>ENGINEER:</u>            JEREMY SHARIT            SMW ENGINEERING GROUP INC.            158 BUSINESS CENTER DR.            BIRMINGHAM, AL. 35244            JOB# 20-10208</p> <p><u>CONSULTING ENGINEER</u>            JOHN LIU, PE            (423) 541-0561            JOHNLIU@TELECOM.TEAM</p>	<p><u>PROJECT NOTES</u></p> <ol style="list-style-type: none"> <li>THE FACILITY IS UNMANNED.</li> <li>A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.</li> <li>THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.</li> <li>NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.</li> <li>HANDICAP ACCESS IS NOT REQUIRED.</li> </ol>	G-001	COVER SHEET	0	05/26/20	ZDS
<p><u>UTILITY COMPANIES</u></p> <p>POWER COMPANY: EVER SOURCE            PHONE: (877) 659-6326</p> <p>TELEPHONE COMPANY: FRONTIER COMMUNICATIONS            PHONE: (800) 376-6843</p>	<p><u>APPLICANT:</u>            AT&amp;T MOBILITY</p> <p><u>PROPERTY OWNER:</u>            WILLIAM P. STOW            6674 HIBISCUS ST            BUNNELL, FL - 32110</p>	<p><u>PROJECT LOCATION DIRECTIONS</u></p> <p>FROM HARTFORD TAKE RT 44 TO WINCHESTER. JUST BEFORE JUNCTION FOR RT 8 TURN RIGHT AT LIGHT. TAKE SECOND LEFT ONTO OAKDALE AVENUE. GO TO END OF STREET AND THROUGH ACCESS ROAD GATE TO SITE.</p>	G-002	GENERAL NOTES	0	05/26/20	ZDS
<p><b>811</b>            Know what's below.            Call before you dig.</p>	<p><u>TOWER OWNER:</u>            AMERICAN TOWER            10 PRESIDENTIAL WAY            WOBURN, MA 01801</p> <p><u>ENGINEER:</u>            JEREMY SHARIT            SMW ENGINEERING GROUP INC.            158 BUSINESS CENTER DR.            BIRMINGHAM, AL. 35244            JOB# 20-10208</p> <p><u>CONSULTING ENGINEER</u>            JOHN LIU, PE            (423) 541-0561            JOHNLIU@TELECOM.TEAM</p>	<p><u>PROJECT NOTES</u></p> <ol style="list-style-type: none"> <li>THE FACILITY IS UNMANNED.</li> <li>A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.</li> <li>THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.</li> <li>NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.</li> <li>HANDICAP ACCESS IS NOT REQUIRED.</li> </ol>	C-101	DETAILED SITE PLAN	0	05/26/20	ZDS
			C-201	TOWER ELEVATION	0	05/26/20	ZDS
			C-401	EXISTING RF SCHEDULE AND ANTENNA INSTALLATION	0	05/26/20	ZDS
			C-402	FINAL RF SCHEDULE AND ANTENNA INSTALLATION	0	05/26/20	ZDS
			C-501	CONSTRUCTION DETAILS	0	05/26/20	ZDS
			C-502	EQUIPMENT SPECIFICATIONS	0	05/26/20	ZDS
			E-501	GROUNDING DETAILS	0	05/26/20	ZDS
			R-601	SUPPLEMENTAL	0	05/26/20	ZDS
			R-602	SUPPLEMENTAL	0	05/26/20	ZDS

**REDLINED CDs**  
**Ramapo Communication Corp**  
**2/23/2021**  
**Matthew Schlosser**  
*Matthew Schlosser*

**NOTES:**

- B. ROOF/CEILING INTERFERENCE BOX (IF C)
- 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

- 22. ALL ITEMS PROVIDED.
- 23. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
- 24. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
- 25. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 26. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
- 27. 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.
- 28. CONTRACTOR SHALL NOTIFY AT&T MOBILITY 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.
- 29. 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.
- 30. 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.
- 31. 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 MOBILITY REP. ANY WORK FOUND BY THE AT&T MOBILITY REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
- 32. 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.
- 33. AT&T MOBILITY FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T MOBILITY WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNGRATED, 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.
- 34. AT&T MOBILITY 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 MOBILITY OR THEIR ARCHITECT/ENGINEER.

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)

- 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 MOBILITY 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 MOBILITY REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T MOBILITY REP PRIOR TO PROCEEDING.
- 13. EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY 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 MOBILITY 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 MOBILITY 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 MOBILITY 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 MOBILITY 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

**SPECIAL CONSTRUCTION**

**ANTENNA INSTALLATION NOTES:**

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

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



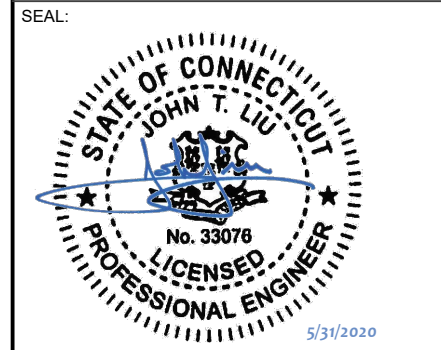
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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**

ATC SITE NAME:  
**WINCHESTER CT 3**

SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862



DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

**GENERAL NOTES**

SHEET NUMBER: <b>G-002</b>	REVISION: <b>0</b>
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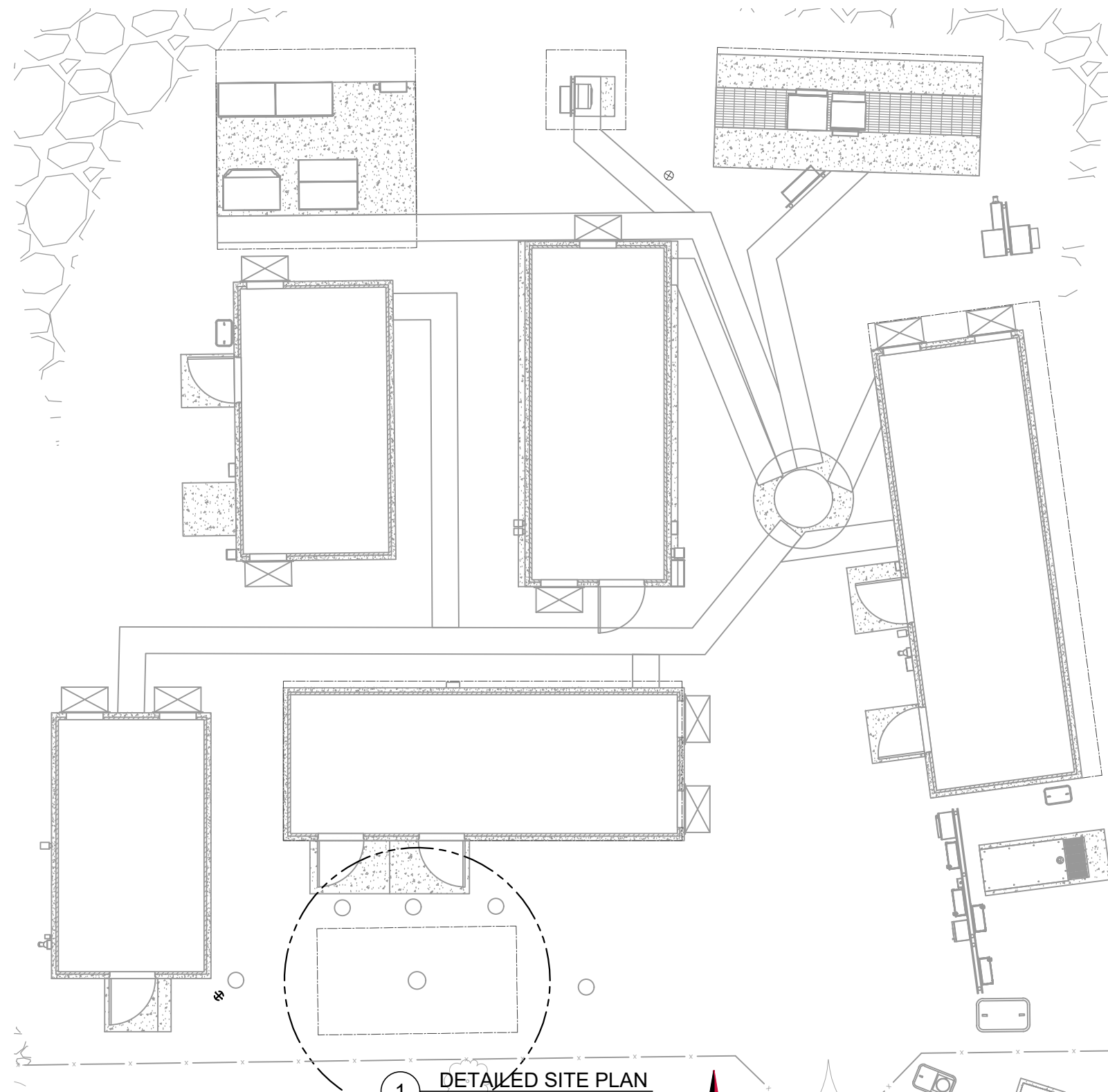
**REDLINED CDs**  
**Ramapo Communication Corp**  
**2/23/2021**  
**Matthew Schlosser**  
*Matthew Schlosser*

BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL ANTENNA AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

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



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

**PROPOSED CABLE LENGTH:**

- ESTIMATED LENGTH OF PROPOSED CABLE IS **XXX**. 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. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).



**AMERICAN TOWER®**



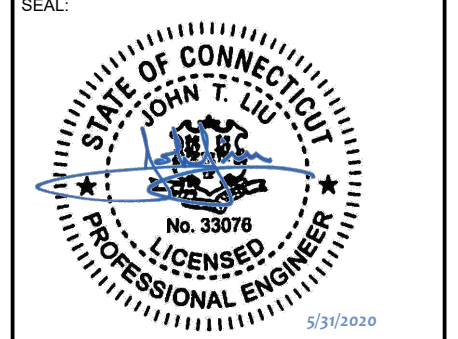

**SMW ENGINEERING GROUP, INC.**  
 TOGETHER PLANNING A BETTER TOMORROW  
 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**

ATC SITE NAME:  
**WINCHESTER CT 3**

SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862

DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

**DETAILED SITE PLAN**

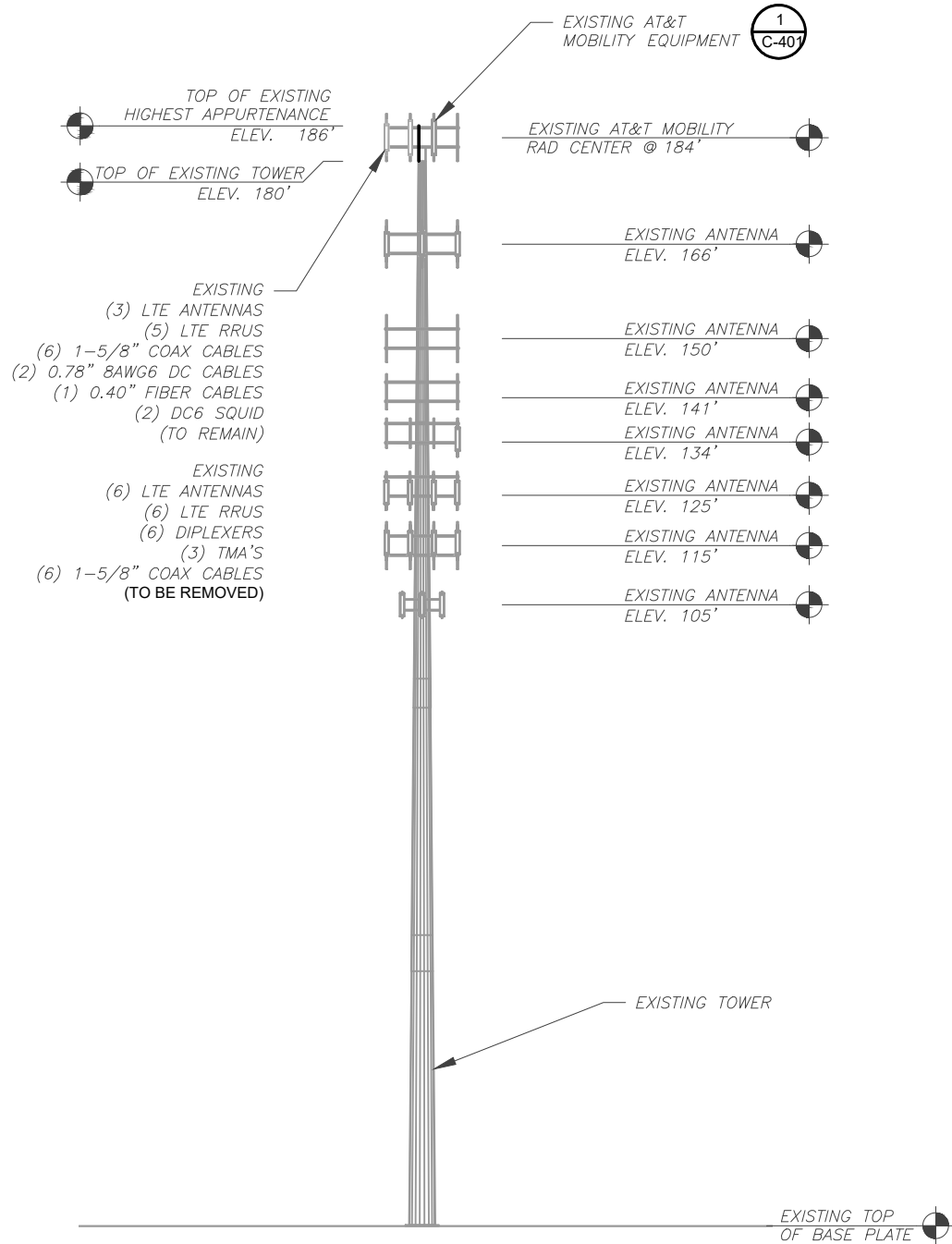
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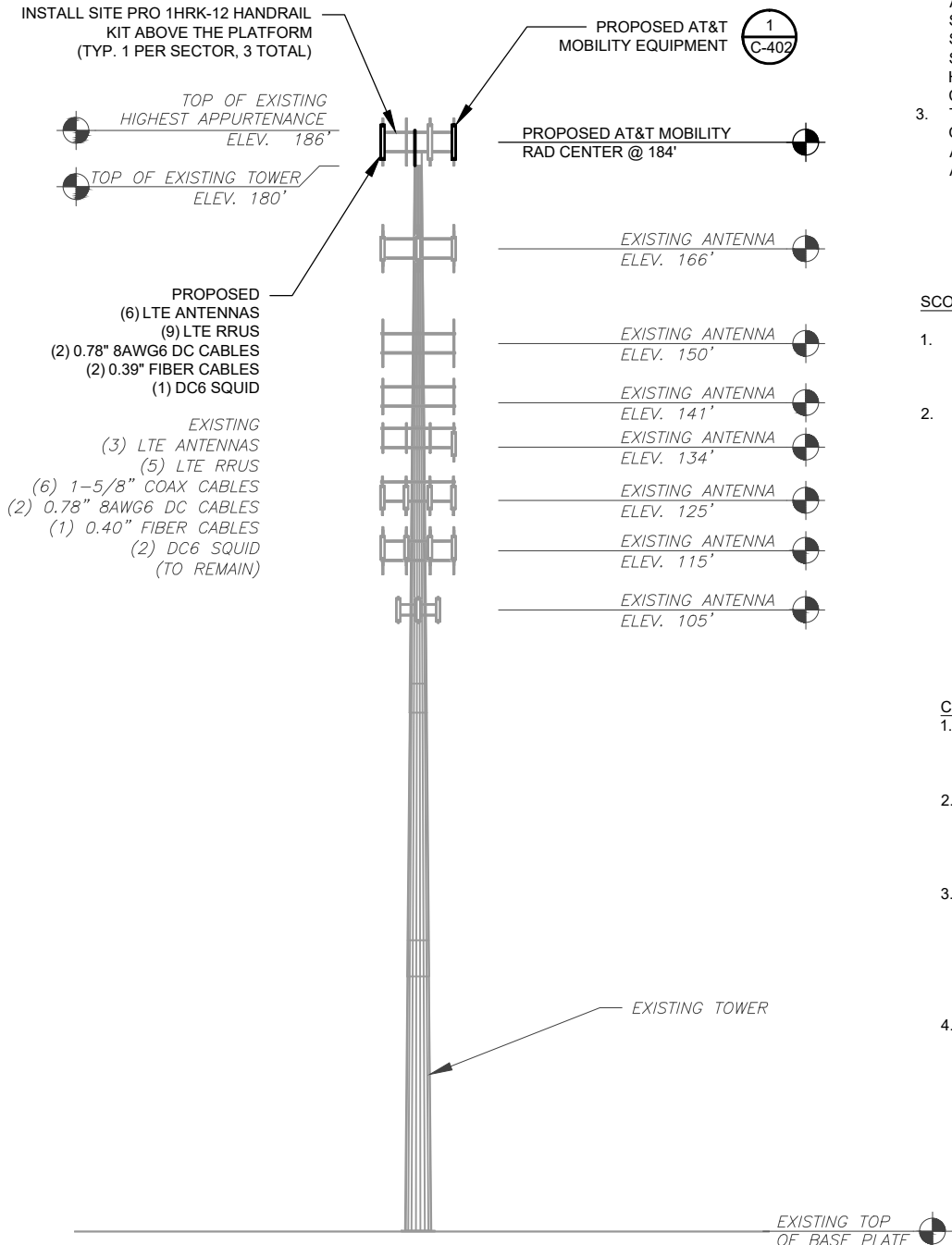
**REDLINED CDs**  
**Ramapo Communication Corp**  
**2/23/2021**  
**Matthew Schlosser**  
*Matthew Schlosser*

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 ERIFY

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 05/01/20, THE EXISTING MOUNT CAN NOT 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



**1 EXISTING TOWER ELEVATION**  
 SCALE: 1" = 30'



**2 FINAL TOWER ELEVATION**  
 SCALE: 1" = 30'

**TOWER NOTE:**

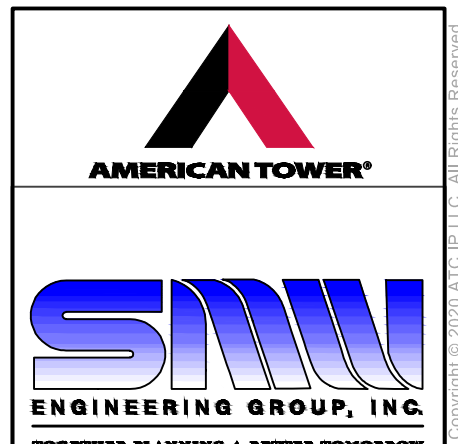
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE AMERICAN TOWER CONSTRUCTION MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
- TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

**SCOPE OF WORK:**

- WHEN STACKING CABLES 3 OR MORE DEEP, USE STACKABLE SNAP-INS, TALLEY PART NUMBER SSH-158-3 (OR ENGINEER APPROVED EQUAL).
- CONTRACTOR SHALL CONFIRM THE FINAL CABLE ROUTING PLAN WITH THE STRUCTURAL ANALYSIS.

**COAXIAL CABLE NOTES:**

- CONTRACTOR SHALL CONFIRM COAX COLOR CODING PRIOR TO CONSTRUCTION. REFER TO "ANTENNA SYSTEM LABELING STANDARD" ND-00027 LATEST VERSION.
- CONTRACTOR SHALL WEATHERPROOF ALL ANTENNA CONNECTORS WITH SELF AMALGAMATING TAPE. WEATHERPROOFING SHALL BE COMPLETED IN STRICT ACCORDANCE WITH AT&T STANDARDS.
- CONTRACTOR SHALL GROUND ALL EQUIPMENT. INCLUDING ANTENNAS, RET MOTORS, TMA'S, COAX CABLES, AND RET CONTROL CABLES AS A COMPLETE SYSTEM. GROUNDING SHALL BE EXECUTED BY QUALIFIED WIREMEN IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATION AND RECOMMENDATION.
- CONTRACTOR TO VERIFY THAT EXISTING COAX HANGERS ARE STACKABLE SNAP IN HANGERS. IF EXISTING HANGERS ARE NOT STACKABLE SNAP IN HANGERS THE CONTRACTOR SHALL REPLACE EXISTING HANGERS WITH NEW SNAP IN HANGERS IF APPLICABLE.



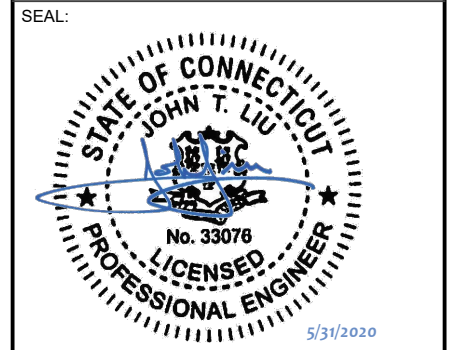
**SMW ENGINEERING GROUP, INC.**  
 TOGETHER PLANNING A BETTER TOMORROW  
 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**

ATC SITE NAME:  
**WINCHESTER CT 3**

SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862



DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

**TOWER ELEVATION**

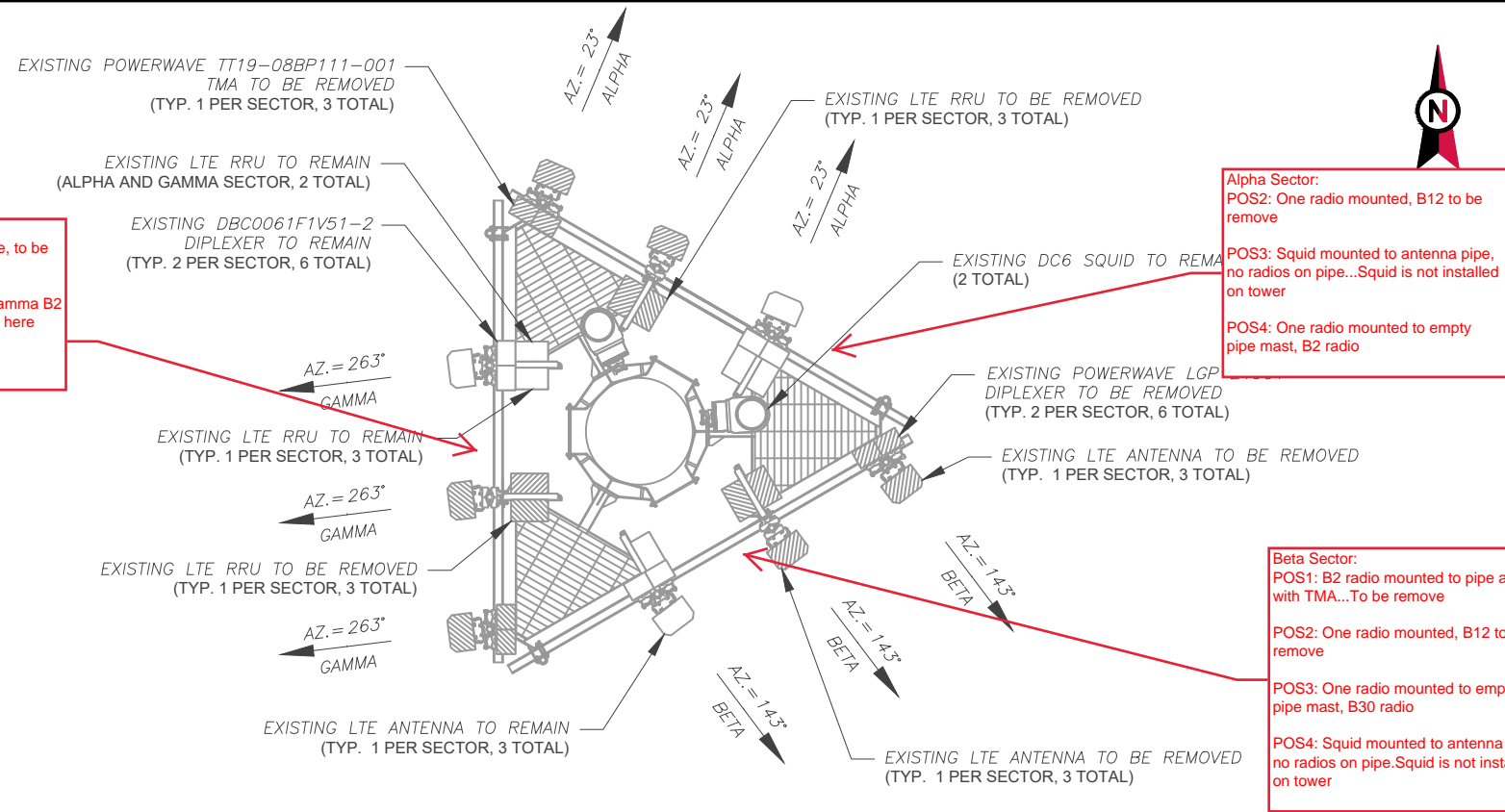
SHEET NUMBER: <b>C-201</b>	REVISION: <b>0</b>
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 Matthew Schlosser  
 Matthew Schlosser

FINAL CONFIGURATIONS ARE  
 S. CONTRACTOR TO VERIFY  
 ITIONS.

Gamma Sector:  
 POS2: B12 radio mounted to pipe, to be removed  
 POS3: Three radios mounted, Gamma B2 & B30. Alpha B30 radio mounted here  
 POS4: Empty pipe



Alpha Sector:  
 POS2: One radio mounted, B12 to be removed  
 POS3: Squid mounted to antenna pipe, no radios on pipe...Squid is not installed on tower  
 POS4: One radio mounted to empty pipe mast, B2 radio

Beta Sector:  
 POS1: B2 radio mounted to pipe along with TMA...To be removed  
 POS2: One radio mounted, B12 to be removed  
 POS3: One radio mounted to empty pipe mast, B30 radio  
 POS4: Squid mounted to antenna pipe, no radios on pipe.Squid is not installed on tower

1 CURRENT ANTENNA PLAN  
 1" = 5'-0"

NOTES  
 1. BASED ON APPROVED ATC APPLICATION 302506, DATED 04/16/20. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.  
 2. ATC HAS NOT YET VERIFIED ANY EXISTING ANTENNA CONFIG OR MOUNT CONFIG. CONTRACTOR TO VERIFY MOUNT CONFIG HAS SUFFICIENT SPACE FOR PROPOSED LESSEE EQUIPMENT (EQUIP) (I.E. CLEARANCES, MOUNT PIPE, SUFFICIENT LENGTH, ETC.) ATC DID NOT ANALYZE ANTENNA MOUNT TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR ANY LESSEE LOADING.  
 3. ALL PROPOSED EQUIP INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH ATC'S CM.  
 4. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.  
 5. POSITIONS START WITH FIRST PIPE ON THE LEFT SIDE (AS VIEWED FROM BEHIND THE MOUNT).

EXISTING ANTENNA SCHEDULE		LOCATION		ANTENNA SUMMARY			NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	184'	23°	A1	POWERWAVE 7770	UMTS	RMV	(2) POWERWAVE LGP 21901 DIPLEXERS	RMV
			A2	KMW AM-X-CD-16-65-00T-RET	LTE	RMV	TT19-08BP111-001 TMA	RMV
			A3	CCI HPA-65R-BUU-H6	LTE	RMN	RRUS-11 B12	RMV
			A4	-	-	-	RRUS-12 B2	RMV
BETA	184'	143°	B1	POWERWAVE 7770	UMTS	RMV	RRUS-32 B30	RMN
			B2	KMW AM-X-CD-16-65-00T-RET	LTE	RMV	RRUS-4478 B14	RMN
			B3	CCI HPA-65R-BUU-H6	LTE	RMN	(2) DBC0061F1V51-2 DIPLEXERS	RMN
			B4	-	-	-	-	-
GAMMA	184'	263°	C1	POWERWAVE 7770	UMTS	RMV	(2) POWERWAVE LGP 21901 DIPLEXERS	RMV
			C2	KMW AM-X-CD-16-65-00T-RET	LTE	RMV	TT19-08BP111-001 TMA	RMV
			C3	CCI HPA-65R-BUU-H6	LTE	RMN	RRUS-11 B12	RMV
			C4	-	-	-	RRUS-12 B2	RMV

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

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

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
DC6-48-60-18-8F	RMN	(6) 1-5/8" COAX	(2) 0.78"	(1) 0.40"	RMN
DC6-48-60-18-8F	RMN	(6) 1-5/8" COAX	-	-	RMV

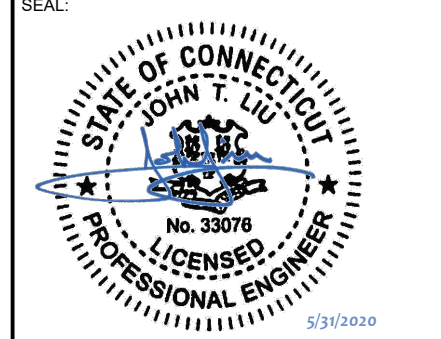
2 EQUIPMENT SCHEDULES



**SMW**  
 ENGINEERING GROUP, INC.  
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 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**  
 ATC SITE NAME:  
**WINCHESTER CT 3**  
 SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862



DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

EXISTING RF SCHEDULE  
 AND ANTENNA  
 INSTALLATION

SHEET NUMBER:  
**C-401**  
 REVISION:  
**0**

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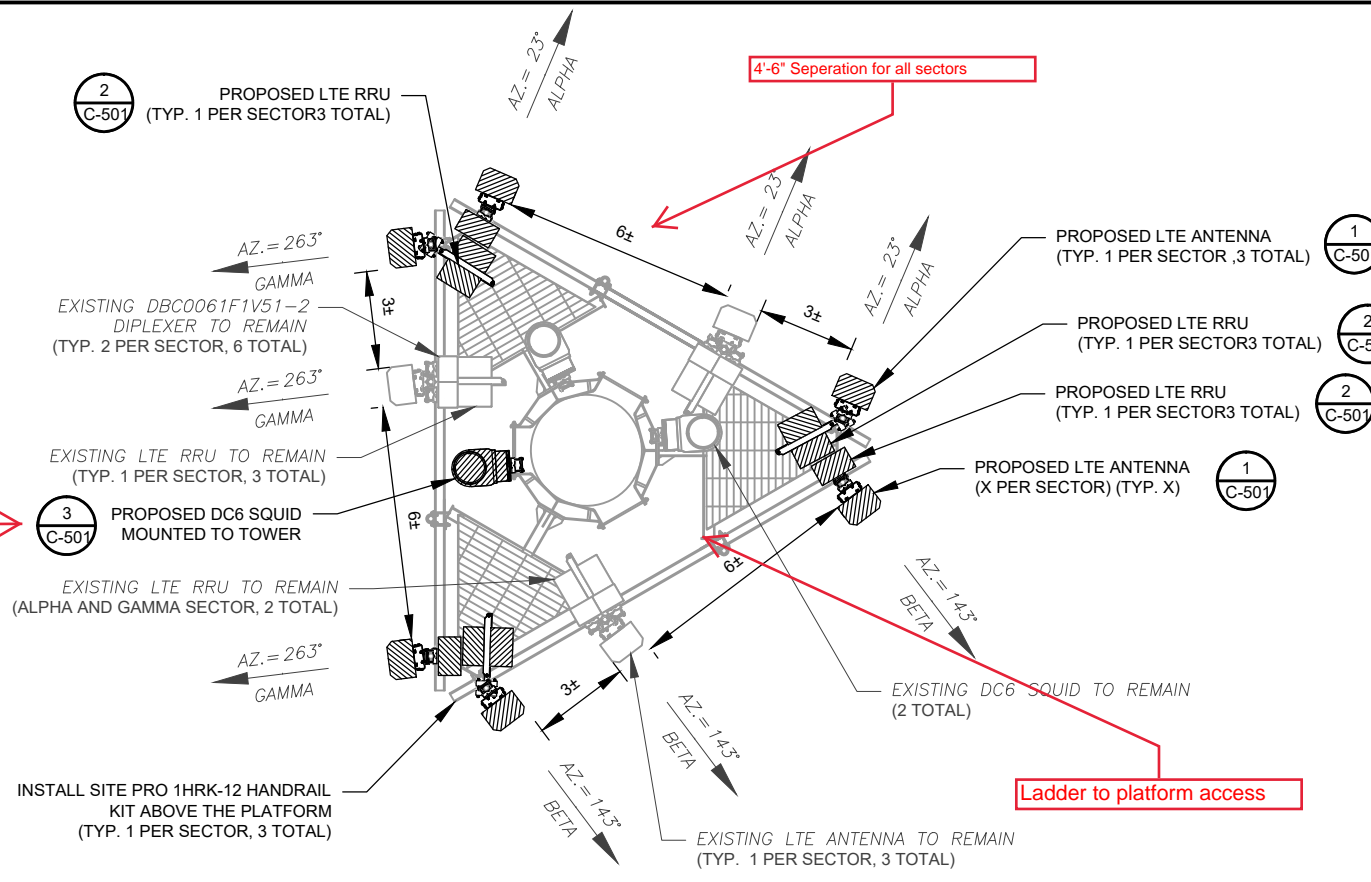


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**Ramapo Communication Corp**  
**2/23/2021**  
**Matthew Schlosser**  
*Matthew Schlosser*

ANALYSIS COMPLETED BY ATC, THE EXISTING MOUNT CAN NOT SUPPORT THE PROPOSED MOUNT MODIFICATION PROPOSED ANALYSIS, INCLUDED AT THE END ET, MUST BE INSTALLED PRIOR TO INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT

Handrail will require all new pipes and different design for corner piece

Can not mount squids to tower do to platform at top of tower with no monopole



- Proposed:**
- Alpha**  
P1 - Antenna only  
P2 - Empty Pipe w/ Squid  
P3 - Antenna w/ WCS & AWS/PCS radio  
P4 - Antenna w 700/850 and 700DE
- Beta sector**
- Beta**  
P1 - Antenna only  
P2 - Empty Pipe w/ WCS & AWS/PCS radio  
P3 - Antenna w/ Squid  
P4 - Antenna w 700/850 and 700DE
- Gamma sector**
- Gamma**  
P1 - Antenna only  
P2 - Empty Pipe w/ Squid  
P3 - Antenna w/ WCS & AWS/PCS radio  
P4 - Antenna w 700/850 and 700DE

**1 FINAL ANTENNA PLAN**  
1" = 5'-0"

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

**NOTES**

- BASED ON APPROVED ATC APPLICATION 302506, DATED 04/16/20. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
- ATC HAS NOT YET VERIFIED ANY EXISTING ANTENNA CONFIG OR MOUNT CONFIG. CONTRACTOR TO VERIFY MOUNT CONFIG HAS SUFFICIENT SPACE FOR PROPOSED LESSEE EQUIPMENT (EQUIP) (I.E. CLEARANCES, MOUNT PIPE, SUFFICIENT LENGTH, ETC.) ATC DID NOT ANALYZE ANTENNA MOUNT TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR ANY LESSEE LOADING.
- ALL PROPOSED EQUIP INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH ATC'S CM. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
- POSITIONS START WITH FIRST PIPE ON THE LEFT SIDE (AS VIEWED FROM BEHIND THE MOUNT).

FINAL ANTENNA SCHEDULE								
LOCATION			ANTENNA SUMMARY			NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	184'	23°	A1	CCI OPA65R-BU6BA	LTE	ADD	RRUS-E2 B29	ADD
			A2	-	-	-	-	
			A3	CCI HPA-65R-BUU-H6	LTE	RMN	RRUS-32 B30 RRUS-4478 B14 (2) DBC0061F1V51-2	RMN
			A4	CCI DMP65R-BU6DA	LTE	ADD	RRUS-4449 B5/B12 RRUS-8843 B2/B66A	ADD
BETA	184'	143°	B1	CCI OPA65R-BU6BA	LTE	ADD	RRUS-E2 B29	ADD
			B2	-	-	-	-	
			B3	CCI HPA-65R-BUU-H6	LTE	RMN	RRUS-32 B30 (2) DBC0061F1V51-2	RMN
			B4	CCI DMP65R-BU6DA	LTE	ADD	RRUS-4449 B5/B12 RRUS-8843 B2/B66A	ADD
GAMMA	184'	263°	C1	CCI OPA65R-BU6BA	LTE	ADD	RRUS-E2 B29	ADD
			C2	-	-	-	-	
			C3	CCI HPA-65R-BUU-H6	LTE	RMN	RRUS-32 B30 RRUS-4478 B14 (2) DBC0061F1V51-2	RMN
			C4	CCI DMP65R-BU6DA	LTE	ADD	RRUS-4449 B5/B12 RRUS-8843 B2/B66A	ADD

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

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

FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
DC6-48-60-18-8F	RMN	(6) 1-5/8" COAX	(2) 0.78"	(1) 0.40"	RMN
DC6-48-60-18-8F	RMN	(6) 1-5/8" COAX	-	-	RMV
DC6-48-60-18-8F	ADD	-	(2) 0.78"	(2) 0.39"	ADD

**2 EQUIPMENT SCHEDULES**

**AMERICAN TOWER®**

**SMW ENGINEERING GROUP, INC.**  
**TOGETHER PLANNING A BETTER TOMORROW**  
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**

ATC SITE NAME:  
**WINCHESTER CT 3**

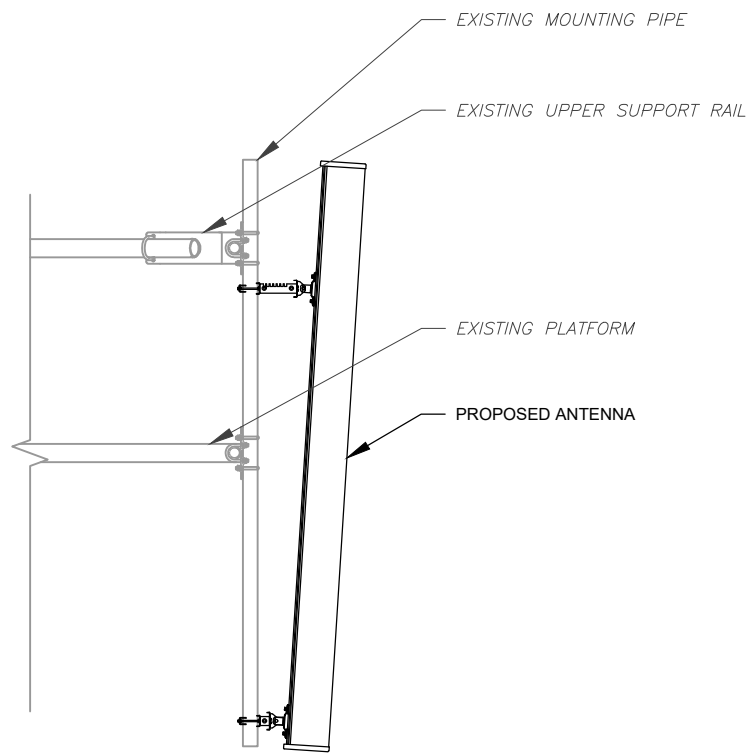
SITE ADDRESS:  
15 OAKDALE AVENUE  
WINSTED, CT 06098-1862

DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

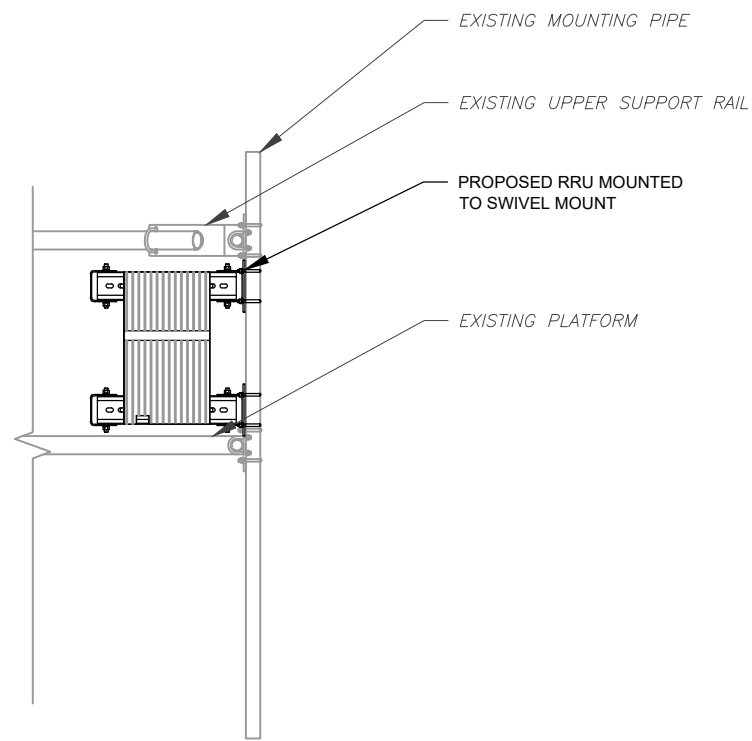
**FINAL RF SCHEDULE AND ANTENNA INSTALLATION**

SHEET NUMBER: <b>C-402</b>	REVISION: <b>0</b>
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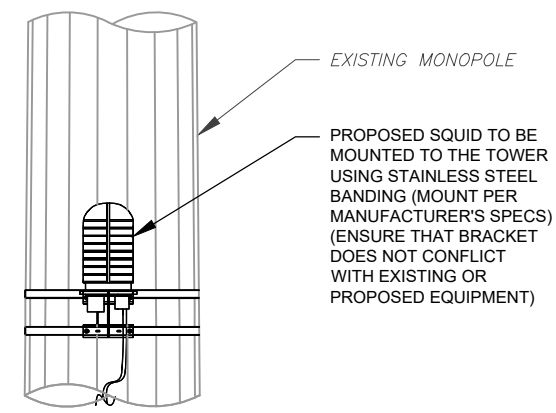
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 Ramapo Communication Corp  
 2/23/2021  
 Matthew Schlosser  
*Matthew Schlosser*



1 ANTENNA DETAIL  
 SCALE: N.T.S.



2 RRU DETAIL  
 SCALE: N.T.S.



3 PROPOSED SQUID MOUNTING  
 SCALE: NOT TO SCALE

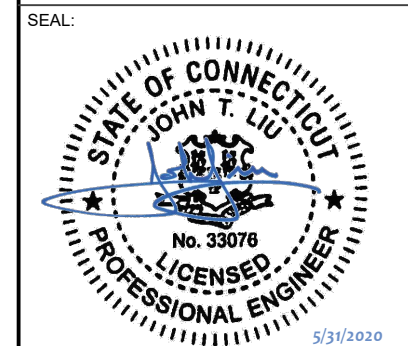


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 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**  
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**WINCHESTER CT 3**

SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862



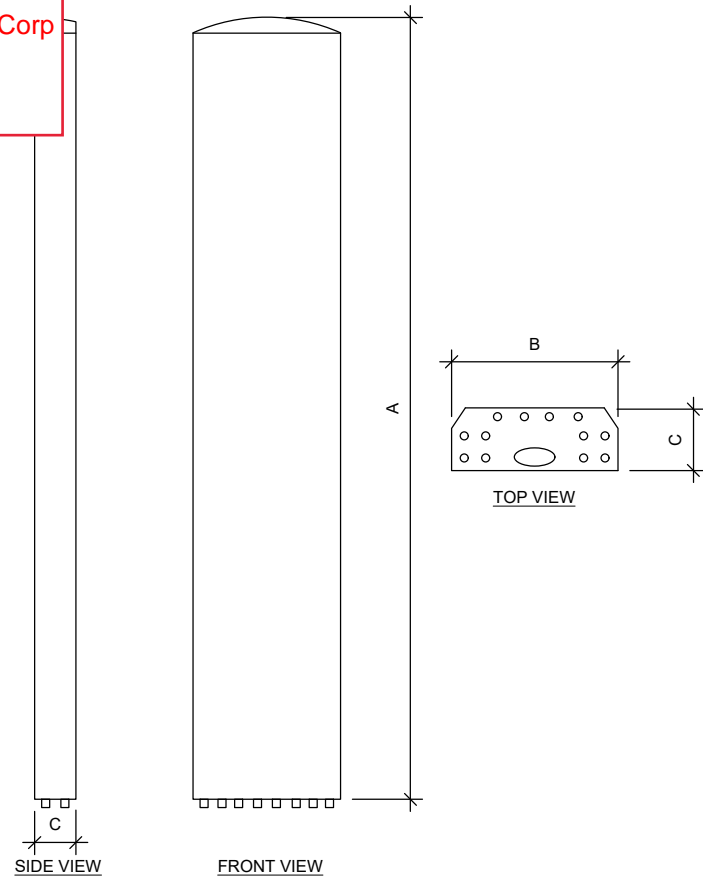
DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

**CONSTRUCTION  
 DETAILS**

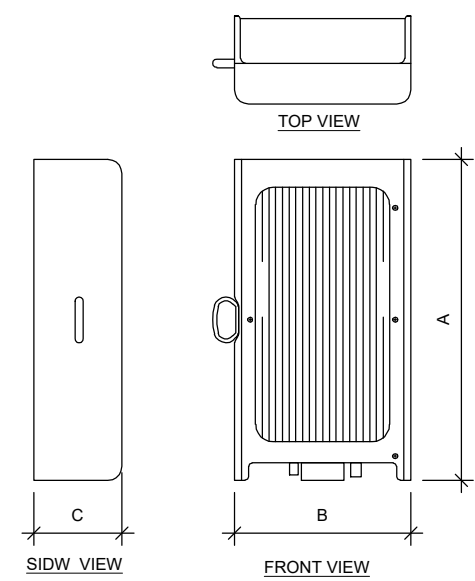
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<b>C-501</b>	<b>0</b>

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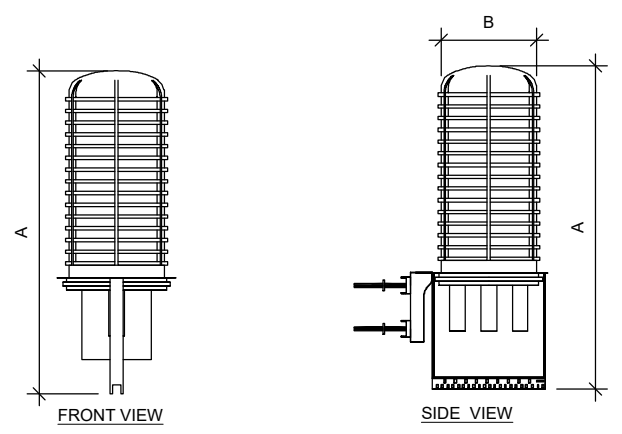
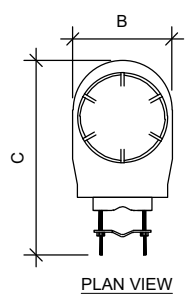
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 Matthew Schlosser  
 Matthew Schlosser



ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
CCI OPA65R-BU6BA	71.1"	11.7"	8.4"	55



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RRUS-E2 B29	20.4"	18.5"	7.5"	60.0
RRUS-8843 B2/B66A	18.0"	13.2"	11.3"	75.0
RRUS-4449 B5/B12	17.9"	13.2"	9.4"	71.0



RAYCAP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
DC6-48-60-18-8F	31.41"	10.24"	18.28"	16.0

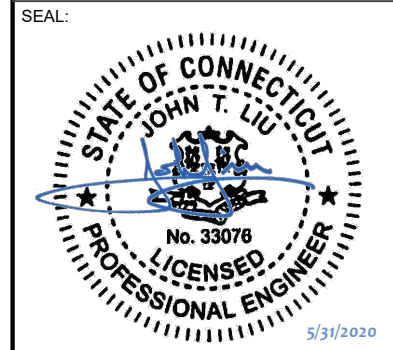
1 EQUIPMENT SPECIFICATIONS  
 SCALE: NOT TO SCALE



**SMW**  
 ENGINEERING GROUP, INC.  
 TOGETHER PLANNING A BETTER TOMORROW  
 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**  
 ATC SITE NAME:  
**WINCHESTER CT 3**  
 SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862



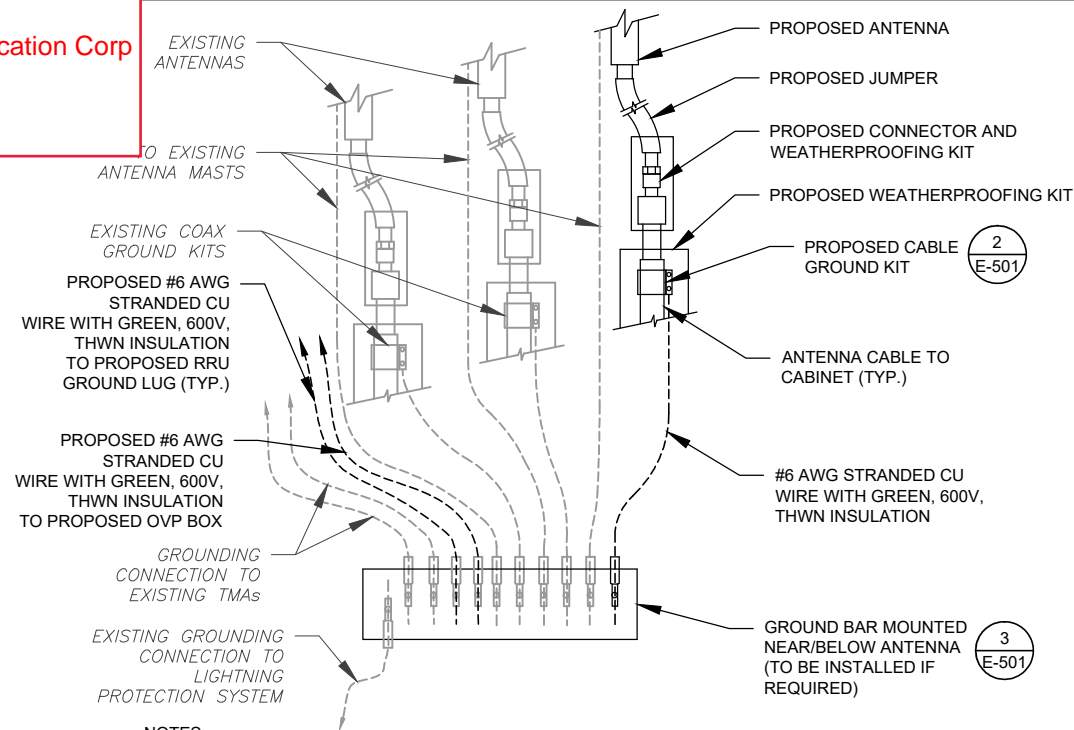
DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

EQUIPMENT SPECIFICATIONS

SHEET NUMBER:  
**C-502**  
 REVISION:  
**0**

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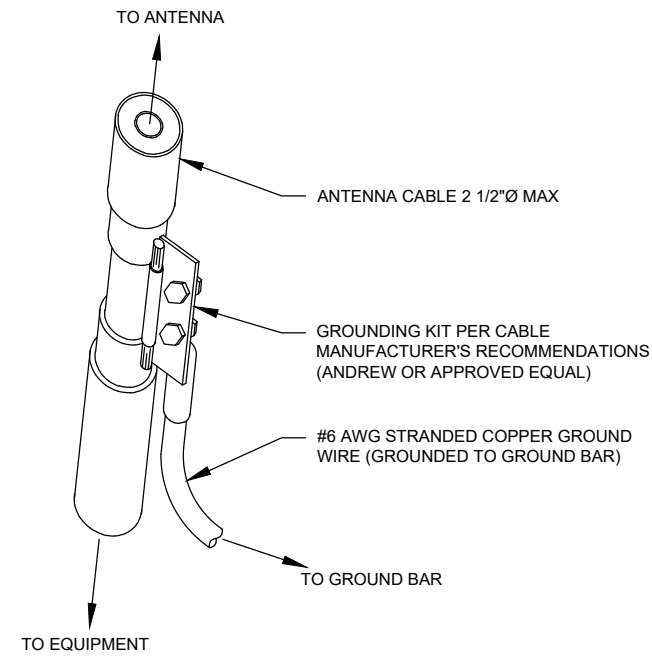
REDLINED CDs  
 Ramapo Communication Corp  
 2/23/2021  
 Matthew Schlosser  
 Matthew Schlosser



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 MOBILITY GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T MOBILITY GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

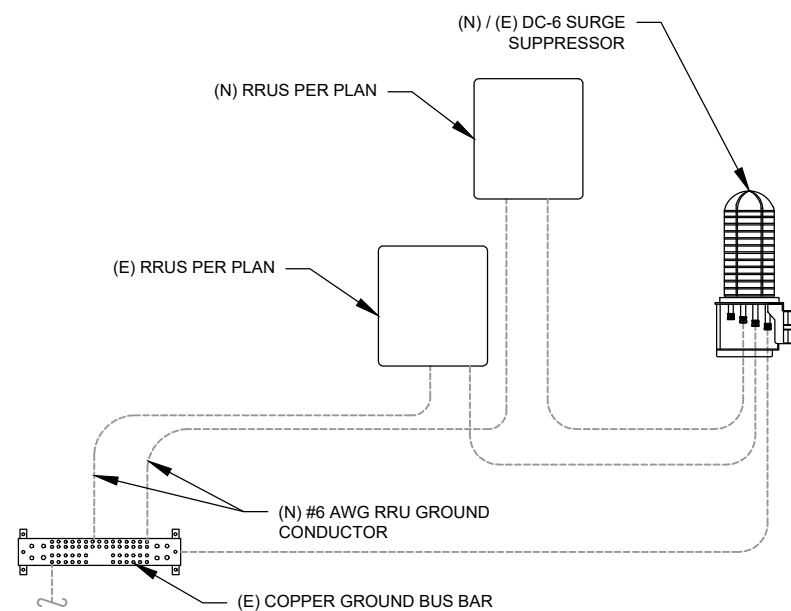
1 TYPICAL ANTENNA GROUNDING DIAGRAM  
 SCALE: N.T.S.



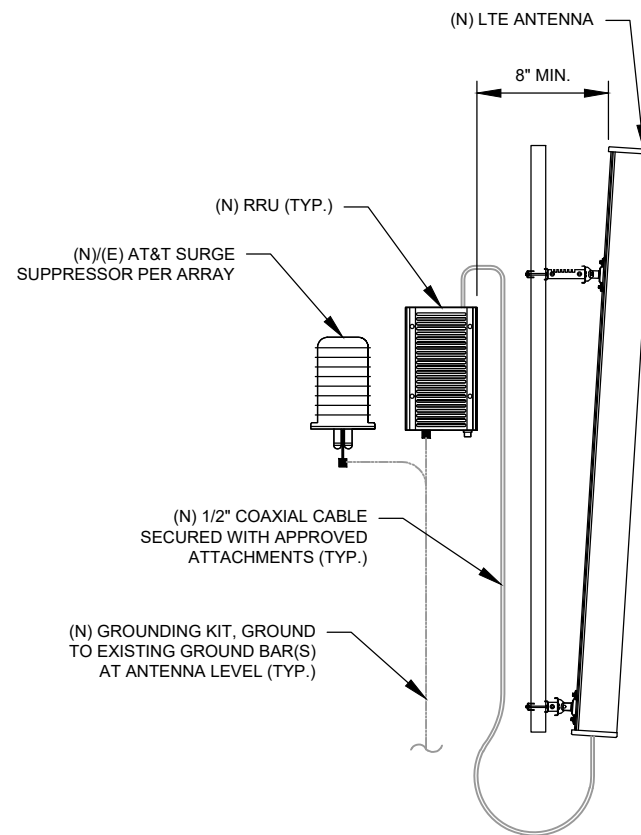
GROUND KIT NOTES:

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.



3 RRU GROUNDING  
 SCALE: N.T.S.



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



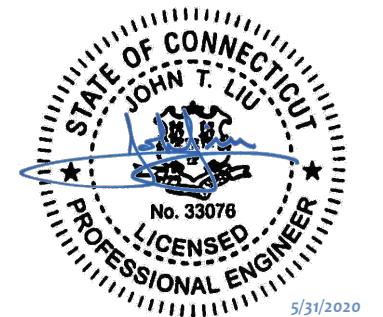
TOGETHER PLANNING A BETTER TOMORROW  
 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
 302506  
 ATC SITE NAME:  
 WINCHESTER CT 3

SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862

SEAL:



DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

GROUNDING DETAILS

SHEET NUMBER:  
 E-501  
 REVISION:  
 0

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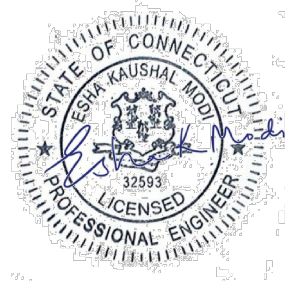
Eng. Number 13201995\_C8\_01  
 May 1, 2020  
 Page 1

## Antenna Mount Analysis Report

**ATC Site Name** : Winchester CT 3, CT  
**ATC Site Number** : 302506  
**Engineering Number** : 13201995\_C8\_01  
**Mount Elevation** : 184 ft  
**Carrier** : AT&T Mobility  
**Carrier Site Name** : MRCTB045239  
**Carrier Site Number** : CTL01071  
**Site Location** : 15 Oakdale Avenue  
 Winsted, CT 06098-1862  
 41.92169444 , -73.0495  
**County** : Litchfield  
**Date** : May 1, 2020  
**Max Usage** : 76%  
**Result** : Contingent Pass

Prepared By:  
 Rohith Koduru  
 Structural Engineer

Reviewed By:



Authorized by "EOR"  
 01 May 2020 05:45:27 cosign

COA: PEC.0001553

### Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T Mobility at 184 ft.

### Supporting Documents

<b>Mount Mapping</b>	Mastec Project #10035017, dated April 16, 2020
<b>Radio Frequency Data Sheet</b>	RFDS ID #10035017, dated March 5, 2020
<b>Reference Photos</b>	Site photos from 2020

### Analysis

This antenna mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

<b>Basic Wind Speed:</b>	124 mph (3-Second Gust)
<b>Basic Wind Speed w/ Ice:</b>	50 mph (3-Second Gust) w/ 1" radial ice concurrent
<b>Codes:</b>	ANSI/TIA-222-H
<b>Exposure Category:</b>	B
<b>Risk Category:</b>	III
<b>Topographic Factor Procedure:</b>	Method 1
<b>Topographic Category:</b>	1
<b>Spectral Response:</b>	Ss = 0.169, S1 = 0.054
<b>Site Class:</b>	D - Stiff Soil
<b>Live Loads: *</b>	Lm = 500 lbs

\* Based on experience it has been determined that the maintenance load cases do not control over rigging load cases in platform mount analyses. Therefore, these load cases have been excluded from this analysis.

### Conclusion

Based on the analysis results, the antenna mount does not meet the requirements per the applicable codes listed above. The mount can support the equipment as described in this report after the below listed modifications are completed:

- Install Site Pro 1 HRK-12 handrail kit 36" above the platform.

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.



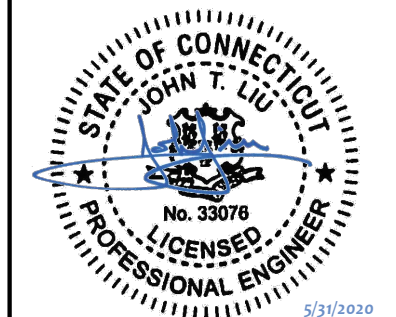
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ATC SITE NUMBER:  
 302506  
 ATC SITE NAME:  
 WINCHESTER CT 3

SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862

SEAL:



DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

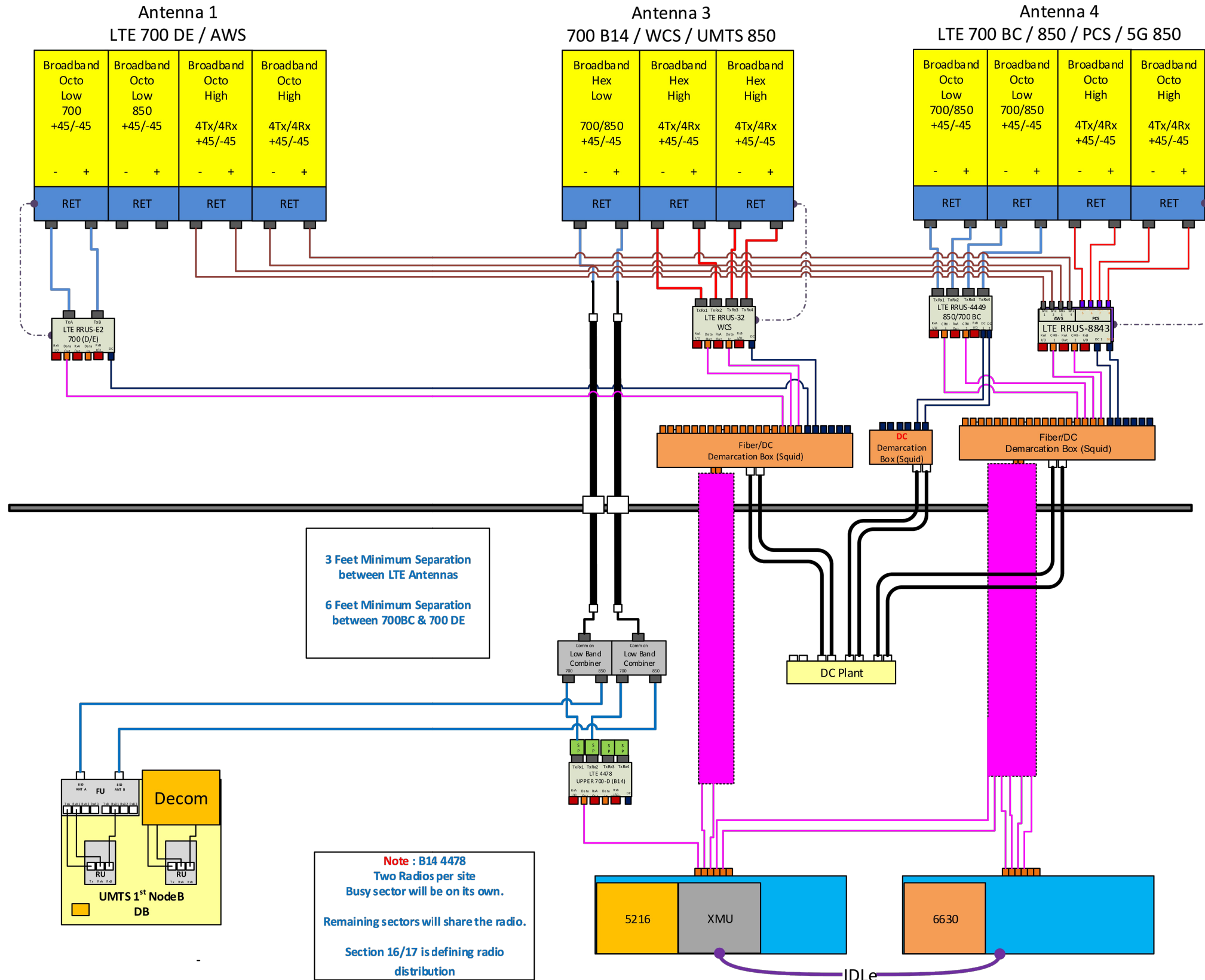
SUPPLEMENTAL

SHEET NUMBER:  
**R-602**  
 REVISION:  
**0**

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

REDLINED CDs  
 Ramapo Communication Corp  
 2/23/2021  
 Matthew Schlosser  
 Matthew Schlosser

am - Sector A Diagram File Name - CT1071\_ABC\_Multicarrier\_2.vsd  
 Site Name - CTV1071 Location Name - WINSTED/WINCHESTER Market - CONNECTICUT Market Cluster - NEW ENGLAND  
 Comments: "Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna\_Radio Connection Drawings Playbook v6.0\_Ericsson"



1 PLUMBING DIAGRAM  
 SCALE: NOT TO SCALE

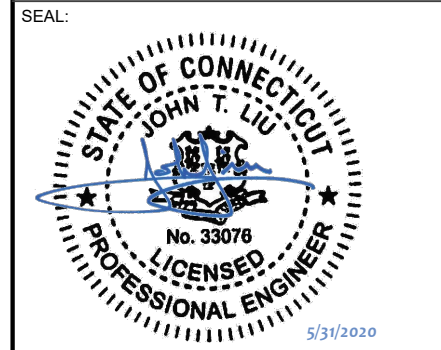
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**SMW**  
 ENGINEERING GROUP, INC.  
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 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	05/26/20

ATC SITE NUMBER:  
**302506**  
 ATC SITE NAME:  
**WINCHESTER CT 3**  
 SITE ADDRESS:  
 15 OAKDALE AVENUE  
 WINSTED, CT 06098-1862



DATE DRAWN:	05/26/20
ATC JOB NO:	302506
CUSTOMER ID:	13201995
CUSTOMER #:	20-10208

**SUPPLEMENTAL**

SHEET NUMBER: <b>R-603</b>	REVISION: <b>0</b>
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