

VILLAGE OF DOWNERS GROVE
Report for the Village

SUBJECT:	SUBMITTED BY:
New Cingular Wireless, PCS, LLC (f/k/a AT&T) Cellular Antenna 2nd Amendment to License Agreement	Enza Petrarca Village Attorney

SYNOPSIS

A resolution has been prepared authorizing execution of a second amendment to license agreement between the Village of Downers Grove and New Cingular Wireless, PCS, LLC (f/k/a AT&T Wireless) to install, maintain and operate antenna equipment on the water tower at Maple and Belmont.

STRATEGIC PLAN ALIGNMENT

The goals for 2019-2021 include *Steward of Financial, Environmental and Neighborhood Sustainability*.

FISCAL IMPACT

Approval of the proposed agreement would result in the Village collecting \$4,760 in monthly license fees with a 4% increase each year thereafter.

RECOMMENDATION

Approval on the March 2, 2021 consent agenda.

BACKGROUND

New Cingular Wireless PCS, LLC is a provider of digital communications in the Chicagoland area. Representatives contacted the Village concerning its desire to renew its license agreement with the Village and continue their operation of antenna on the Village's water tower located at 2304 Maple. They have had a license agreement with the Village on the 2304 Maple site since January 25, 1999. There will be no changes to the equipment or cabinets that currently exist on the property.

The proposed license agreement would commence upon execution. Approval of the proposed agreement would result in the Village collecting \$4,760 in monthly license fees, with a four percent increase in each year thereafter. The contract shall run for five, 5-year terms ending on December 31, 2045.

ATTACHMENTS

Resolution
Agreement

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING EXECUTION OF A
SECOND AMENDMENT TO LICENSE AGREEMENT BETWEEN
THE VILLAGE OF DOWNERS GROVE AND NEW CINGULAR WIRELESS PCS, LLC
TO INSTALL, MAINTAIN AND OPERATE ANTENNA EQUIPMENT
ON VILLAGE PROPERTY (2304 MAPLE AVENUE)**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois as follows:

1. That the form and substance of a certain Second Amendment ("Agreement"), between the Village of Downers Grove ("Village") and New Cingular Wireless PCS, LLC f/k/a AT&T ("Licensee") for the maintenance and operation of antenna equipment on Village property located at 2304 Maple Avenue, Downers Grove, IL, as set forth in the Agreement submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Agreement, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Agreement.

4. That all resolutions or parts of resolutions in conflict with the provision of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Attest: _____
Village Clerk

SECOND AMENDMENT TO LICENSE AGREEMENT

THIS SECOND AMENDMENT TO LICENSE AGREEMENT (“**Second Amendment**”), dated as of the latter of the signature dates below (the “**Effective Date**”), is by and between the Village of Downers Grove, an Illinois municipal corporation, having a mailing address of 801 Burlington Avenue, Downers Grove, IL 60515 (hereinafter referred to as “**Village**”), and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd. NE, 3rd Floor, Atlanta, GA 30319 (hereinafter referred to as “**Licensee**”).

WHEREAS, Village and Licensee entered into a License Agreement dated January 25, 1999, as amended by First Amendment and Restatement to License Agreement dated April 19, 2012, (hereinafter, collectively, the "**Agreement**"), whereby Village leased to Licensee certain premises ("**Premises**"), therein described, that are a portion of the property ("**Property**") located at 2304 Maple Avenue, Downers Grove, IL; and

WHEREAS, the term of the Agreement will expire on December 31, 2023, and the parties mutually desire to renew the Agreement, memorialize such renewal period and modify the Agreement in certain other respects, all on the terms and conditions contained herein; and

WHEREAS, Village and Licensee, in their mutual interest, wish to amend the Agreement as set forth below accordingly.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Village and Licensee agree that the recitals set forth above are incorporated herein as if set forth in their entirety and further agree as follows:

1. Section 1. “Contract Documents” of the Agreement is stricken and replaced with the following:

1. CONTRACT DOCUMENTS: The provisions set forth in the preamble and the following exhibits are incorporated into and made a part of this Agreement:

- a. Exhibit 1 - Site map(s) of the Property (or upgrades thereto), as amended from time to time and approved by the Village, showing the Tower Space, Ground Space, together with the areas on the Property licensed to Licensee to provide access and utility service to the Ground Space (collectively the "**Licensed Premises**") which includes location of any proposed underground utilities necessary for operation of the Equipment.
- b. Exhibit 2 - Plans and specifications (or upgrades thereto), as amended from time to time and approved by the Village, for the Equipment and any cables, utility lines or equipment cabinets to be installed on the Licensed Premises and used for housing of the related communication equipment (collectively the "**Licensee’s Improvements**").

- c. Exhibit 3 - Plans and specifications (or upgrades thereto), as amended from time to time and approved by the Village, for the Licensee's Improvements and any cables or utility lines installed on the Licensed Premises for any sublicensee.
2. Section 4.f. of the Original Agreement and Section 6 of the First Amendment are hereby deleted in their entirety and replaced with the following:

Licensee shall be entitled to access the Licensed Premises Monday through Friday, 7:00 a.m. to 3:30 p.m. Central Time, by contacting the Village Building Services Department at (630) 434-5551 (801 Burlington Tower) or the Public Works Department at (630) 434-5460 (for all other Towers). If access is required after business hours, on weekends, on a holiday or in the event of an emergency, Licensee shall contact the Village at (630) 434-5600. Except in emergency situations, Licensee may be required to pay the Village of Downers Grove for costs incurred for Tower access after-hours.

3. Section 6. "Term" of the Agreement is stricken and replaced with the following:

6. TERM:

a. This Agreement shall have a new Initial Term of five (5) years beginning January 1, 2021 (the "**Commencement Date**") and four (4) five-year Extension Terms beginning January 1, 2026; January 1, 2031; January 1, 2036; and January 1, 2041, respectively. Each Extension Term shall automatically commence unless either party provides written notice to the other party of its election not to renew the Agreement at least one hundred and eighty (180) days prior to the expiration of the current term. If all extension terms occur, the final date of the Agreement shall be December 31, 2045.

b. Any renewal or extension shall be according to terms that are mutually agreeable, and the Village shall not be bound to accept any particular terms or to renew any or all of the rights granted by this Agreement.

4. Section 7. "Compensation" of the Agreement is stricken and replaced with the following:

7. COMPENSATION: Within thirty (30) days of the latter of the full execution and delivery of this Second Amendment, Licensee shall pay to the Village a license fee of \$4,760.00 per month each month of 2021 commencing on the Commencement Date. Thereafter, effective on the first day of January in each subsequent year during the term of the Agreement, the monthly license fee shall increase in an amount equal to the fee for the preceding year multiplied by four percent (4%). The monthly fee shall be paid to the Village of Downers Grove, Village Hall, 801 Burlington Avenue, Downers Grove, IL 60515 each month by the 10th of the month. In the event of any overpayment of Base Rent, prior to or after the Effective Date, Tenant shall have the right to deduct from any future Base Rent payments an amount equal to the overpayment amount.

5. Section 8. "Termination" of the Agreement is amended as follows:

By deleting Section 8.a. in its entirety and replacing it with the following:

a. Licensee may terminate this Agreement at any time upon sixty (60) days written notice to the Village without further liability if Licensee does not obtain all permits or other approvals required from any governmental authority or any easements required from any third party to operate the system, or if any such approval is canceled, expires or is withdrawn or terminated, or if the Village fails to have proper ownership of the Tower or Property or authority to enter into this Agreement, or if Licensee, for any other reason, in its sole discretion, determines that it will be unable to use the Tower or the Property; however, if Licensee terminates this Agreement without cause, it shall pay the Village a termination penalty equal to three (3) months of the current license fee amount.

By adding the following sentence to the end of Section 8.b.:

Notwithstanding the preceding, if any default cannot be cured within thirty (30) days and the defaulting party has diligently commenced to cure such default within the 30-day period and continues to take reasonable action necessary to cure the default, the defaulting party shall be entitled to a reasonable extended period of time in order to cure the default.

6. Section 9. "Tower Repair/Maintenance" of the Agreement is amended by adding the following to the end of the paragraph:

In the event of such temporary arrangement during such refurbishing and/or painting, the Village shall remain entitled to the license fee as provided in Section 7. COMPENSATION, above.

7. Section 14. "Insurance" of the Agreement is amended by deleting it in its entirety and replacing it with the following:

14. INSURANCE: At all times while this Agreement remains in effect, and in support of the indemnification provided in the foregoing Paragraph 13, the Licensee shall, at its own cost and expense, maintain a program of third party liability insurance and/or self-insurance and include the Village, its officers, employees and agents as additional insureds by endorsement from liability for bodily injury, death, and property damage caused, in whole or in part, by the activities of the Licensee under this Agreement.

a. During the Term of the Agreement. Licensee shall carry, pay for and maintain in full force and effect during the entire term of this Agreement (i) worker's compensation insurance as required by law and which insures Licensee against worker's compensation claims arising out of Licensee's activities on the Tower; (ii) fire and casualty insurance or self-insurance covering Licensee's Improvements in an amount not less than one hundred percent (100%) of their actual replacement cost; and (iii) commercial general liability insurance per ISO form CG 00 01 or its equivalent, including broad form property damage

insurance for bodily injuries and property damage. Such General Liability Insurance shall include coverage for the contractual liability, premises, operations, underground, collapse, explosion, products and the loss of use, and shall include as Additional Insureds the Village, and its officers, boards, commissions, elected and appointed officials, agents and employees by endorsement as respects the Agreement. Such insurance shall be in the amount of One Million Dollars (\$1,000,000.00) per occurrence and Two Million Dollars (\$2,000,000.00) in the aggregate.

b. During Construction/Installation. During construction/installation, Licensee's contractors and subcontractors shall also maintain and provide Village with evidence of each of the insurance coverages specified in subparagraph (a) and in the amounts so specified. In addition, the contractor shall provide builder's risk insurance on an "all risks" basis for one hundred percent (100%) of the insurable value of all construction work in place or in progress from time to time, insuring the project, including materials in storage and while in transit, against loss or damage by fire or other casualty, with extended coverage, vandalism and malicious mischief coverage, bearing a replacement cost agreed amount endorsement. Licensee may self-insure this risk.

c. Policies. The policy or policies of insurance required by subparagraphs (a) and (b) shall be underwritten by a company or companies eligible to do business in the State of Illinois, with an A.M. Best rating of at least A-IV. A certificate of insurance or Licensee's form of self-insurance shall be delivered to the Village prior to the commencement of the term of this Agreement. Licensee or, where applicable, Licensee's contractors shall furnish the Village with a written notice of any cancellation, or material modification below the limits required of insurance required under this Section.

d. Self-Insurance. Licensee may self-insure any of the required insurance under the same terms as required by this Agreement, provided that if Licensee elects to self-insure any coverage required herein, then the following provisions shall apply: (i) Licensee or its parent company shall have and continuously maintain a tangible net worth of at least One Hundred Million Dollars (\$100,000,000) as evidenced by Licensee's or its parent company's most recent annual report; (ii) Licensee shall continuously maintain appropriate loss reserves for the amount of its self-insurance obligations under this section, which reserves are annually approved by Ernst & Young, or any successor auditing company; (iii) Licensee shall undertake the defense of any self-insured claim for which a defense and/or coverage would have been available from the insurance company, including a defense of the Village, at Licensee's sole cost and expense, with counsel selected by Licensee and reasonably acceptable to the Village; (iv) Licensee shall use its own funds to pay any claim or replace property or otherwise provide the funding which would have been available from insurance proceeds but for Licensee's election to self-insure; (v) Licensee shall pay any and all amounts due in lieu of insurance proceeds which would have been payable if Licensee had carried the insurance policies, which amounts shall be treated as insurance proceeds for all purposes under this Agreement; and (vi) all amounts which Licensee pays or is required to pay and all loss or damages resulting from risks for which Licensee has

elected to self-insure shall not limit Licensee's indemnification obligations set forth in this Agreement.

8. Section 15. "Liens" of the Agreement is amended by adding the following sentence at the end of the paragraph:

If any such lien or claim for lien is filed or recorded against the Property, the Village shall give Licensee notice thereof and demand that Licensee remove the same, or post adequate security to insure the removal of the same following the resolution of any dispute between Licensee and the lienholder, within sixty (60) days after such notice. Nothing in this provision shall restrict Licensee from granting a security interest in all or any part of Licensee's Improvements and to file of record UCC financing statements and/or fixture filings to perfect the same.

9. Section 19. "Notices" of the Agreement is amended to indicate the current addresses of each party:

19. **NOTICES:** Unless otherwise specified herein, all notices, requests and demands hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties hereto as follows:

Village:
Village Manager
Village of Downers Grove
801 Burlington Avenue
Downers Grove, IL 60515
(630) 434-5500

With Copy to:
Village Attorney
Village of Downers Grove
801 Burlington Avenue
Downers Grove, IL 60515
(630) 434-5541

Licensee:
New Cingular Wireless PCS, LLC
Attn.: Tower Asset Group - Lease Administration
Re: Cell Site #: IL1439
Cell Site Name: AWE – Maple & Belmont (IL); Fixed Asset No.: 10108656
1025 Lenox Park Blvd. NE
3rd Floor
Atlanta, GA 30319

With a required copy of the notice sent to the address above to AT&T Legal at:
New Cingular Wireless PCS, LLC
Attn.: Legal Dept – Network Operations
Re: Cell Site #: IL1439
Cell Site Name: AWE – Maple & Belmont (IL); Fixed Asset No.: 10108656
208 S. Akard Street
Dallas, TX 752-02-4206

10. The Agreement is amended by adding a new Section 21 as follows:

21. EXPANSION OF PERMITTED USE: Licensee, its personnel, invitees, contractors, agents, sublessees, or its authorized sublessees, or assigns may use the Premises, at no additional cost or expense, for the transmission and reception of any and all communications signals and, with prior written notice to the Village, to modify, supplement, replace, upgrade, expand in existing space, including but not limited to the number and type(s) of antennas, or refurbish the equipment and/or improvements thereon, or relocate the same within the Premises at any time during the term of this Lease for any reason, so long as these changes do not exceed the structural capacity of the Tower at this height, or at Licensee's sole expense upgrade the structural capacity, or in order to be in compliance with any current or future federal, state or local mandated application, including but not limited to emergency 911 communication services or for any other reason. The Village shall reasonably cooperate in obtaining governmental and other use permits or approvals necessary or desirable for the foregoing permitted use. If the Village does not comply with the terms of this section, in addition to any other rights it may have at law, Licensee may terminate this Lease and shall have no further liability to the Village. If the Village does not comply with the terms of this section, Licensee will have the right to exercise any and all rights available to it under law and equity, including the right to cure the Village's default and to deduct the costs of such cure from any monies due to the Village from Licensee.

11. The Agreement is amended by adding a new Section 22 as follows:

22. HAZARDOUS SUBSTANCES:

a. The Village represents and warrants that it has no knowledge of any hazardous substance existing on the Property in violation of any applicable federal, State or local law, regulation or ordinance, and that its use of the Licensed Premises will not generate any hazardous substance, and that it will not store or dispose on the Licensed Premises, nor transport to or over the Licensed Premises, any hazardous substance in violation of any applicable federal, State or local law, regulation or ordinance. The Village further agrees to hold Licensee harmless from and indemnify Licensee against any damage, loss or expense or liability resulting from the existence on the Property of any such hazardous substance, including all attorney's fees and consultant fees, costs and penalties, incurred as a result thereof, unless caused by Licensee or any of its employees or agents.

b. Licensee represents and warrants that its use of the Licensed Premises will not generate any hazardous substance, and that it will not store or dispose on the Licensed Premises, nor transport to or over the Licensed Premises, any hazardous substance in violation of any applicable federal, State or local law, regulation or ordinance. Licensee further agrees to hold the Village harmless from and against and indemnify the Village against any release of such hazardous substance and any damage, loss, or expense or liability resulting from such release, including attorney's fees and consultant fees, costs and penalties, incurred as a result thereof, which was caused by Licensee or any of its employees or agents.

c. "Hazardous Substance" as used herein shall mean any substance or material defined or designated as hazardous or toxic waste, hazardous or toxic materials, hazardous or toxic radioactive substance, or other similar term by any federal, State or local environmental law, regulation or ordinance presently in effect or promulgated in the future.

12. The Agreement is amended by adding a new Section 23 as follows:

23. COST OF ENFORCEMENT: The prevailing party in any action or proceeding in court or mutually agreed upon arbitration proceeding to enforce the terms of this Agreement shall be entitled to receive its reasonable attorney's fees and other reasonable enforcement costs and expenses from the non-prevailing party.

13. Except as amended herein, all terms, conditions, provisions, covenants and agreements contained in the Agreement and First Amendment shall be reinstated and shall remain in full force and effect in their entirety. In the event of a conflict between this Second Amendment and the Agreement or the First Amendment, this Second Amendment shall control. Each reference in the Agreement to itself shall be deemed also to refer to the First Amendment and this Second Amendment.

IN WITNESS WHEREOF, the parties hereto have executed this Second Amendment to the Agreement on the ____ day of _____, 2021.

LICENSEE
NEW CINGULAR WIRELESS PCS,
LLC

By: AT&T Mobility Corporation
Its: Manager

By: _____
Print Name: Allean Smith
Its: Sr Tech Vendor Mngmt
Date: 2/19/2021

DocuSigned by:
Allean Smith
D8C6A9883B9B418...

LICENSOR
VILLAGE OF DOWNERS GROVE

By:

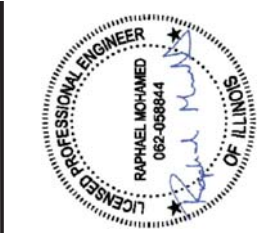
Village Manager

ATTEST:

Village Clerk

Exhibit 1

[SEE NEXT SHEET]



03/20/20
 RAPHAEL MOHAMED, P.E.
 ILLINOIS NO. 062-058844

SUBMITTALS	
DATE	REV. ISSUED BY
03/20/20	0 RM

DRAWN BY: CTS
 CHECKED BY: JFS
 APP'D BY: RM
 MNS PROJECT NO: 20859-AEC

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PREPARED FOR:
 SITE ID:
IL1439

SITE NAME:
AWE - MAPLE BELMONT

SITE ADDRESS:
**2304 MAPLE AVENUE
 DOWNERS GROVE, IL 60515**

FA LOCATION:
10108656

TOWER OWNER ID:
N/A

SHEET TITLE
TOWER ELEVATION

SHEET NUMBER
C-2

PHOTOS TAKEN ON 09/26/2017



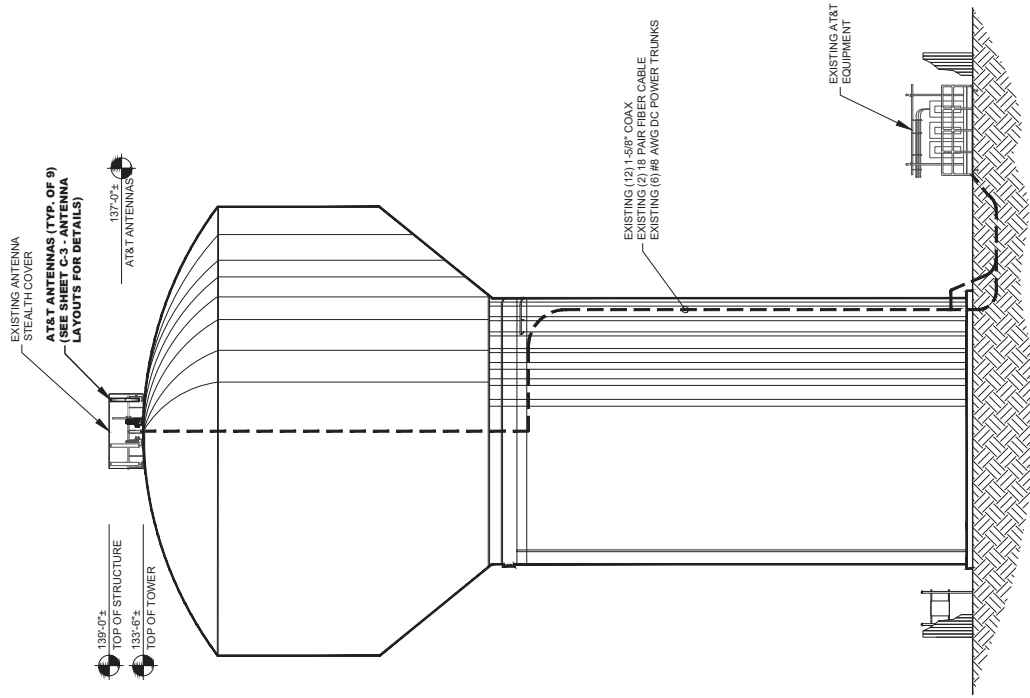
EXISTING TOWER

EXISTING ANTENNAS BEHIND STEALTH COVER

- NOTES:
- REFER TO RF DESIGN SHEET/ANTENNA CONFIGURATION DRAWING/RET CONTROL DIAGRAM & INSTALL AS REQUIRED LOWER DIPLEXERS, WIPERS OR CABLES, SPLIT COAXIAL COAXES OR TERMINATION CAPS.
 - ALL ANTENNA AZIMUTH TO BE FROM TRUE NORTH.

GC SHALL REVIEW AND COMPLY WITH MASTEC NETWORK SOLUTIONS STRUCTURAL OPINION LETTER DATED 03/19/2020.

REFERENCE NOTES



TOWER ELEVATION
 1"X17" SCALE: 1"=20'-0"
 24"x36" SCALE: 1"=10'-0"

Exhibit 2

[SEE NEXT SHEET]



03/20/20
 RAPHAEL MOHAMED, P.E.
 ILLINOIS NO. 062-058844

SUBMITTALS	
DATE	REV. ISSUED BY
03/20/20	0 RM

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PREPARED FOR:
 MASTEC NETWORK SOLUTIONS
 407 AIRBORNE BLVD, SUITE 111
 MORRISVILLE, NC 27560

SITE ID:
IL1439

SITE NAME:
AWE - MAPLE BELMONT

SITE ADDRESS:
**2304 MAPLE AVENUE
 DOWNERS GROVE, IL 60515**

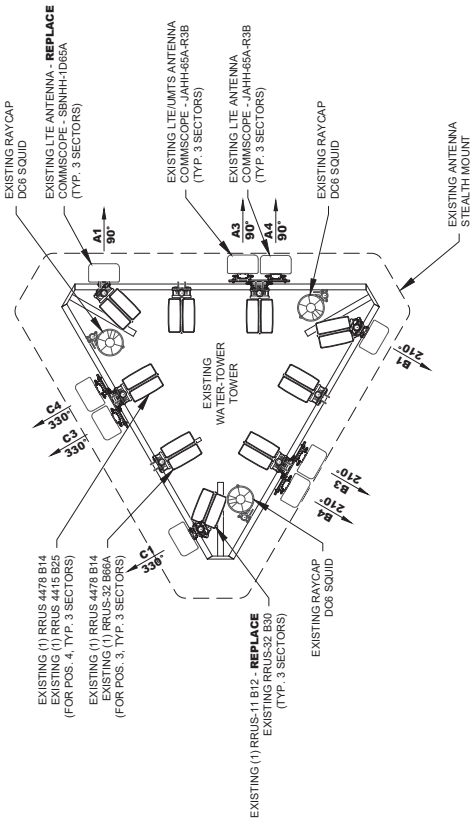
FACILITY LOCATION:
10108656

TOWER OWNER ID:
N/A

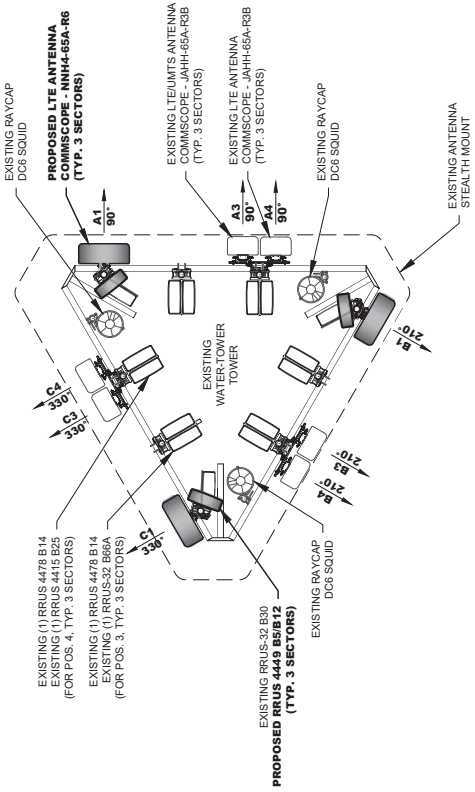
SHEET TITLE
ANTENNA LAYOUTS

SHEET NUMBER
C-3

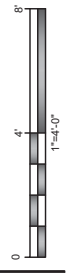
- NOTES:**
- EXISTING ANTENNA POSITIONS & AZIMUTHS ARE ASSUMED BASED ON RECORD DRAWINGS FOR CONSTRUCTION & FIELD VERIFICATION. REFER TO RECORD DRAWINGS FOR ADDITIONAL INFORMATION ON DIPOLEXERS/D&FIBER.
 - RELOCATE/ADD/REPLACE MOUNTING PIPES AS REQUIRED TO ACCOMMODATE NEW ANTENNAS.
 - INSTALLER TO FIELD VERIFY ANTENNA SEPARATION.
 - INSTALLER MAY NEED TO SHIFT ANTENNA MOUNTS AS NEEDED TO OBTAIN REQUIRED MINIMUM SEPARATION BETWEEN ANTENNAS.



EXISTING ANTENNA LAYOUT
 11"x17" SCALE: 1"=4'-0"
 24"x36" SCALE: 1"=2'-0"



PROPOSED ANTENNA LAYOUT
 11"x17" SCALE: 1"=4'-0"
 24"x36" SCALE: 1"=2'-0"





03/20/20
 RAPHAEL MOHAMED, P.E.
 ILLINOIS NO. 062-058844

SUBMITTALS	
DATE	REV. ISSUED BY
03/20/20	0 RM

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 MNS PROJECT NO: 20859-AEC

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 SITE ID:
IL1439

SITE NAME:
AWE - MAPLE BELMONT

SITE ADDRESS:
**2304 MAPLE AVENUE
 DOWNERS GROVE, IL 60515**

FA LOCATION:
10108656

TOWER OWNER ID:
N/A

SHEET TITLE
CIVIL DETAILS

SHEET NUMBER
C-6

- BS B12 = 659 - 864 MHz, B13 TX = 739 - 746 MHz, B5 TX = 824 - 830 MHz, B12 RX = 698 - 716 MHz, B5 RX = 824 - 830 MHz
- BOTH FREQUENCY BANDS ARE COMBINED TO TRANSMIT/RECEIVE OUT THE SAME RF CONNECTORS.
- CRI12 PORTS X 2, 5, 4, 9, 8, 8 / 10, 1 GBPS. INSTALL 2 SFP7S AND CONNECT 1 DUAL FIBER PAIR CABLE TO THE RRU5 4449 DURING INITIAL INSTALL. EA SINGLE FIBER JUMPER CABLE THAT HAS 2 SFPs AT RADIO RESERVED FOR 9G NR DEPLOYMENT LATER. DO NOT CONNECT SFP7 TO DIL20.
- ONLY USE ERICSSON SUPPLIED AND APPROVED SFP7S RDH10285/26.
- INSTALL 2 SFP RDH 10285/3 FOR CPRI LENGTH 1.4 KM - 10 KM
- INSTALL 1 SFP (PAIR) RDH 102 701 AND RDH 102 702 (BI-DIRECTIONAL SFP7 FOR CPRI LENGTH > 10 KM)
- 2 EXTERNAL ALARM INPUTS
- MAX WIND LOAD @ 50MSEC = 280 N
- BREAKERS USE 27.5V DC VOLTAGE PROTECTION - 1440 W (500 DIMENSIONS), 50TH DC POWER CONNECTIONS MUST BE CONNECTED AND OPERATIONAL FOR THE RADIO TO OPERATE. EACH POWER FEED MUST SUPPORT 720W. A SINGLE DC TRUNK CABLE CAPABLE OF SUPPORTING 1440W WITH A 40AMP BREAKER CAN CONNECTED TO A #10AWG Y DC SPLIT JUMPER CABLE CONNECTED FROM THE SURGE SUPPRESSOR TO THE 4449 DC POWER CONNECTIONS.
- 200 MM SEPARATION REQUIRED FROM ANTENNA BACKPLANE TO RADIO MOUNTING
- 400 MM VERTICAL SEPARATION REQUIRED BETWEEN 2 RADIOS
- 500 MM VERTICAL SEPARATION BELOW ANTENNA
- MAXIMUM VERTICAL SEPARATION BETWEEN 2 WIRE CONNECTION ADAPTERS REQUIRED FOR 9 WIRE CONNECTION
- SHIELDED DC CABLE IS REQUIRED
- GROUND CABLE SIZE = 2AWG
- DIMENSIONS (IN) - HIGLES: FEET AND SUNSHIELD, W/O PAN UNIT
 HEIGHT: 13.19" (335 MM)
 WIDTH: 13.19" (335 MM)
 DEPTH: 9.44" (240 MM)
- WEIGHT, EXCL. MOUNTING HARDWARE = 71 LBS (32 KG)

RRUS 4449 B5/B12 SPECIFICATIONS

SCALE: N.T.S.



Exhibit 3