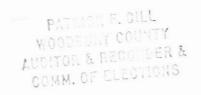
Cell Site Number: DESMIAU1753

Cell Site Name: WEST HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467



THIRD AMENDMENT TO SITE LEASE AGREEMENT

It is agreed between the Woodbury County Board of Supervisors, c/o Starcomm Public Safety Board, the City of Sioux City, Iowa ("Lessors") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 575 Morosgo Drive NE, Atlanta, GA 30324 ("Lessee") as follows:

WHEREAS, Lessors and Lessee (or their respective predecessors-in-interest) entered into a Site Lease Agreement between the parties signed on or about September 5, 2006 and went into effect on September 29, 2006 when the building permit was issued, with respect to a cell tower located at 3430 W. 23<sup>rd</sup> St, Sioux City, Iowa (the "Agreement");

WHEREAS, the parties amended the Agreement on March 4, 2008 ("First Amendment");

WHEREAS, Long Lines Communications, LLC a Delaware limited liability company, Long Lines Wireless, LLC, a Delaware limited liability company, Long Lines, LLC, a Delaware limited liability company, LL License Holdings, LLC, a Delaware limited liability company, LL License Holdings II, LLC, a Delaware limited liability company, Advanced Network Communications, L.L.C., an lowa limited liability company (each an "Assignor" and, collectively, the "Assignors"), and LL Acquisition Company, LLC, a Delaware limited liability company ("Assignee") entered into an Global Contribution, Bill Of Sale, Assignment, and Assumption Agreement dated December 20, 2013;

WHEREAS, LL Acquisition Company, LLC a Delaware limited liability company merged with and into New Cingular Wireless PCS, LLC a Delaware limited liability company on February 28, 2014.

WHEREAS, the parties amended the Site Lease Agreement on October 27, 2014 ("Second Amendment");

WHEREAS, Lessors and Lessee desire to amend the Agreement to modify the notice section thereof;

WHEREAS, Lessors and Lessee desire to amend the Agreement to permit Lessee to add, modify and/or replace equipment 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; and

WHEREAS, Lessors and Lessee, in their mutual interest, wish to amend the Agreement for a third time as set forth below accordingly ("Third Amendment").

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessors and Lessee agree as follows:

Cell Site Number: DESMIAU1753

Cell Site Name: WEST HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

- 1. Exhibit A- Long Lines Wireless LLC Site Plan Sketch is amended by removing it and replacing it with a new LL Acquisition Company, LLC Site Plan, attached herein as Exhibit A-3. It is understood that as a result of this amendment, the Site Plan indicates the new updated engineering, antenna's, mounts shelters and other hardware at this location.
- 2. Exhibit C- is omitted as it is covered in Exhibit A-3.
- 3. Exhibit D- is omitted as it is covered in Exhibit A -3.
- Section 7 of the Agreement is hereby deleted in its entirety and replaced with the following: --

Renewal Term Rent Lessee shall pay Woodbury County, Iowa, administrator of funds of Starcomm Public Safety Board, "Rent," for each month of the Five (5) years for Renewal Terms as listed below in this paragraph. Each monthly Rent payment shall be due to Woodbury County, Iowa on or before the first day of each month. In addition, Lessee shall be responsible for all utility service payments with the exception of telephone service used exclusively by Lessors.

- a. First Renewal Term (years 6 through 10) Rent shall be increased by 10% of the highest amount paid during the initial term.
- b. Second Renewal Term (years 11 through 15) Rent shall be increased by 10% of the highest amount paid during the First Renewal Term. On March 1, 2018, Rent shall be increased by Four Hundred Seventy-Five and 00/100 Dollars (\$475.00) a month, bringing the total monthly rent to Two Thousand Nine Hundred and Seventy-Seven Dollars and 50/100 (\$2,977.50) for the remainder of the Second Renewal Term. It is understood by the Parties that this increase in monthly rent is in consideration for allowing Lessee to update their equipment on the tower and the use of the empty Communications Shelter as identified in Exhibit A.
- c. Third Renewal Term (years 16 through 20) Rent shall be increased by 10% of the highest amount paid during the Second Renewal Term.
- d. Fourth Renewal Term (years 21 through 25) Rent shall be increased by 10% of the highest amount paid during the Third Renewal Term.
- 5. Notices. Section 12 of the Agreement is hereby deleted in its entirety and replaced with the following:

**NOTICES.** All notices, requests, demands and communications 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 as follows.

If to Lessee:

New Cingular Wireless PCS, LLC

Attn: Network Real Estate Administration

Re: Cell Site #: DESMIAU1753

Cell Site Name: WEST HIGH-LLW-IASC - Sioux City

FA No: 13169467

Cell Site Number: DESMIAU1753

Cell Site Name: WEST HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

575 Morosgo Drive NE Atlanta, GA 30324

With a copy to: New Cingular Wireless PCS, LLC

Attn: Legal Department Re: Cell Site # DESMIAU1753

Cell Site Name: WEST\_HIGH-LLW-IASC - Sioux City

FA No: 13169467 208 S. Akard Street Dallas, TX 75202-4206

The copy sent to the Legal Department is an administrative step which alone does not constitute legal notice.

If to Lessors:

Woodbury County, Iowa

Board of Supervisors 620 Douglas Street, Suite 104

Sioux City, Iowa 51101

Starcomm Public Safety Board

P.O. Box 447

Sioux City, Iowa 51102 ATTN: Glenn Sedivy

City of Sioux City, Iowa 405 Sixth Street

P.O. Box 447

Sioux City, Iowa 51102

ATTN: City Clerk

- 6. Other Terms and Conditions Remain. In the event of an inconsistencies between the Agreement and this Third Amendment, the terms of this Third Amendment shall control. Except as expressly set forth in this Third Amendment, the Agreement otherwise is unmodified and remains in full force and effect. Each reference in the Agreement to itself shall be deemed also to refer to this Third Amendment.
- 7. **Capitalized Terms.** All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.

IN WITNESS WHEREOF, this Third Amendment is effective and entered into as of the date last written below.

Cell Site Number: DESMIAU1753

Cell Site Name: WEST\_HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

## LESSORS:

By: Title: Date:	Rocky DeWitt Chairman 5-8-18 Patrick Gill, County Auditor
	City of Sioux City Iowa
By: Title: Date:	Robert E. Scott Mayor 8-20-18
	ATTEST:  Lisa L. McCardle, City Clerk

## LESSEE:

Attest:

New Cingular Wireless PSC, LLC

By: AT&T Mobility Corporation

Its: Manager

By:

Title: Name: Michelle Durand

Date:

Title: Manager of Real Estate & Construction

Date: 4/12/18

Cell Site Number: DESMIAU1753

Cell Site Name: WEST\_HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

## **CONSENT TO SUBLEASE AMENDMENT**

On this									
Ву:	Just								
Print Name:	Jeremy Saint								
Title:	Board President								

[ACKNOWLEDGEMENTS APPEAR ON NEXT PAGE]

Cell Site Number: DESMIAU1753

Cell Site Name: WEST HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

LESSOR ACKNOWLEDGEMENT

STATE OF IOWA

COUNTY OF WOODBURY

On the day of da

Notary Public

Printed Name: Michelle K. Skaff

My Commission Expires: 2-16-2021

MICHELLE K SKAFF
Commission Number 808998
My Commission Expires
February 16, 20

STATE OF IOWA

COUNTY OF WOODBURY

On the day of day of in the year 2018 before me, the undersigned, personally appeared day of day of

Notary Public

Printed Name: Michelle K. Slaff

My Commission Expires: 2 - 16-2021

MICHELLE K SKAFF
Commission Number 808998
My Commission Expires
February 16, 20

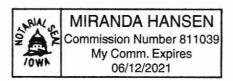
Cell Site Number: DESMIAU1753

Cell Site Name: WEST\_HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

LESSOR ACKNOWLEDGEMENT

STATE OF IOWA	)
	: SS
COUNTY OF WOODBURY	
Public duly commissioned and que Scott, Mayor of the City of Sioux ( personally known to be the ide executed the same under and by v	, 2018 before me, a Notary alified in and for said County and State, personally appeared Robert E. City, Iowa, and Lisa L. McCardle, City Clerk of said City, each being to mentical persons and officers named in the foregoing instrument, who cirtue of the authority vested in them by the City Council of said City, and the execution thereof to be his voluntary act and deed for the purposes
IN TESTIMONY WHEREOF, I have year last above written.	nereunto set my hand and notarial seal at Sioux City, Iowa, the day and
(SEAL)	Miranda Hansew
	NOTARY PUBLIC in and for said COUNTY and STATE



Cell Site Number: DESMIAU1753

Cell Site Name: WEST\_HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

LESSEE ACKNOWLEDGEMENT

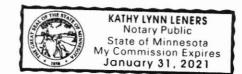
STATE OF MANAGORA

COUNTY OF Romany

On the \( \frac{1}{2} \) day of \( \frac{Apcil}{1} \) in the year \( \frac{2018}{2} \) before me, the undersigned authority, on this day personally appeared \( \frac{1}{2} \) \( \frac{1}{2} \)

Notary Public

Printed Name:



Cell Site Number: DESMIAU1753

Cell Site Name: WEST\_HIGH-LLW-IASC-Sioux City

Fixed Asset Number: 13169467

# **EXHIBIT A-3**

SITE PHOTO



### PROJECT INFORMATION

SITE NAME: ADDRESS:

LLW\_IASC WEST HIGH WOODBURY
3301 WEST 19TH STREET
SIOUX CITY, IA 51103
CITY OF SIOUX

JURISDICTION-SITE NUMBER FA NUMBER: PTN: PACE:

IAL01753 13169467 3529A0AJB4 MRUMW020022 160381

USID: LATITUDE: LONGITUDE:

42' 30' 43.9518" N (42.512209) 96' 27' 17.9676" W (-96.454991)

GROUND OWNER: APPLICANT:

WOODBURY, IA AT&T WIRELESS 901 S. MARQUETTE AVE. MINNEAPOLIS, MN 55402

PROJECT MANAGER: PETER MCENERY PHONE: (952)-258-9629 EMAIL: PM753T@ATT.COM

AT&T CONSTRUCTION

PROJECT MANAGEMENT:

ACQUISITION

ZONING

ENGINEER:

CONSTRUCTION

ANTHONY J SANTI PHONE: (763) 203-3915 EMAIL: AS539A@ATT.COM

PROJECT CONSULTANTS

SAC WIRELESS

SAC WIRELESS 540 W. MADISON ST. 17TH FLOOR CHICAGO, ILLINOIS 60661

CONTACT: AMY HUTCHINGS
EMAIL: AMY.HUTCHINGS@SACW.COM

SAC WIRELESS 540 W. MADISON ST. 17TH FLOOR

CHICAGO, ILLINOIS 60661
CONTACT: ASHLEY RICHARDSON
EMAIL: ASHLEY.RICHARDSON@SACW.COM

DARRIN KOTECKI GPD ENGINEERING AND ARCHITECTURE PROFESSORAL CORPORATION 520 SOUTH MAIN STREET, STE. 2531 AKRON, OHLO 4431 FALEIGH PHONE: (330) 572–2100

540 WEST MADISON ST., 16TH FLOOR

CHICAGO, IL 60661 CONTACT: DIANA HUBBARD

PHONE: (312) 967-4270



PROJECT: SITE #:

LTE 3C IAL01753 13169467

PTN #: PACE #:

FA #:

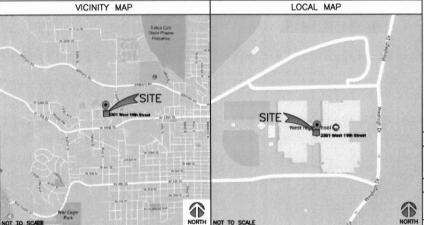
3529A0AJB4 MRUMW020022

SITE NAME: ADDRESS:

LLW IASC WEST HIGH 3301 WEST 19TH STREET

**SIOUX CITY, IA 51103** 

JURISDICTION: CITY OF SIOUX



### DRIVING DIRECTIONS

DIRECTIONS FROM: AT&T OFFICE: HEAD NORTH ON MARQUETTE AVE TURN RIGHT (EAST SOUTHEAST) ONTO 8TH ST S TURN RIGHT (SOUTH SOUTHWEST) ONTO SR 65 GO STRAIGHT (SOUTH) ONTO 1-35W S RAMP AT EXIT 13B, GO STRAIGHT (WEST) ONTO 1-90 W MN AT EXIT 400, KEEP RIGHT (SOUTH SOUTHWEST) ONTO 1-229 S RAMP AT EXIT 1B, KEEP LEFT (SOUTH SOUTHEAST) ONTO 1-29 S RAMP AT EXIT 4, KEEP RIGHT (SOUTH SOUTHEAST) ONTO N SHORE DR RAMP GO STRAIGHT (EAST) ONTO CR 23 TURN RIGHT (SOUTHEAST) ONTO SR 105 TURN LEFT (SOUTHEAST) ONTO MILITARY RD KEEP RIGHT (SOUTH SOUTHEAST) ONTO RIVERSIDE BLVD GO STRAIGHT (SOUTH) ONTO SR 12 TURN LEFT (EAST) ONTO PAUL AVE ARRIVE AT WEST 19TH STREET, SIOUX CITY, IA 51103



UNDERGROUND FACILITIES BEFORE YOU DIG IN IOWA, CALL IOWA ONE CALL TOLL FREE: 1-800-292-8989 OR www.iowaonecall.com

DRAWING INDEX TITLE SHEET SP1 NOTES & SPECIFICATIONS A1 COMPOUND PLAN A2 EQUIPMENT PLAN A3 TOWER ELEVATION A4 ANTENNA PLAN A5 ANTENNA & CABLE CONFIGURATION ANTENNA, RRH AND MOUNTING DETAILS A7 CABLE NOTES & COLOR CODING E1 GROUNDING DETAILS GROUNDING DETAILS & NOTES E2

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

INSTALL (3) NEW 3C ANTENNAS IN POSITION 4 (1 PER SECTOR)

INSTALL (3) NEW 3C RRHs IN POSITION 4 (1 PER SECTOR)
INSTALL (3) NEW 3C RRHs IN POSITION 4 (1 PER SECTOR)
INSTALL (1) NEW 8 AWG 6 DC TRUNK,
INSTALL NEW DC/FIBER JUMPERS
INSTALL (3) NEW 25 AMP DC BREAKERS IN EXISTING POWER PLANT







	KRC
D D9/01/17 FOR CONSTRUCTION (	AJM
	СЈМ
o joyary i on consinound	CJM



Printed or typ

ered by this seal:

## CODE COMPLIANCE

- 2015 INTERNATIONAL BUILDING CODE ANSI/TIA-222 STRUCTURAL STANDARD FOR ANTENNA STRUCTURES NFPA 780-LIGHTING PROTECTION CODE 2014 NATIONAL ELECTRICAL CODE

### REFERENCE MATERIALS

. THESE DRAWINGS ARE BASED AT&T SCOPING DOCUMENT DATED 06/27/2017

# SPECIAL NOTES

- ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT AT&T CONSTRUCTION INSTALLATION GUIDE. VERRIFED IN FIELD, IF SIGNIFICANT EXISTING COMMINIONS WILL BE CHARABCQUARTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY EXORIBER IMMEDIATELY. THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 117X17" SHEET SIZE. STATEMENT THAT COMPLIANCE WITH THE EXPERTY CODE IS NOT REQUIRED. SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTENDE

### DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

HEREBY CERTIFY THAT THE EE PREPARED BY ME OR CCT SUPERVISION AND THA Y REGISTERED ENGINEER L LAWS OF THE STATE OF MIN LTE 3C 13169467 LLW\_IASC WEST HIGH 3301 WEST 19TH STREET

SIOUX CITY, IA 51103

TITLE SHEET

SHEET NUMBER

T1

PHONE: DIANA HURBARD®SACW.COM \ATANDT\160381\01 2017724 23 160381 01 SAC\0WG\CD\13169467.AE203.170901.3C.REV0.DWG - 15105622 - emodiffit

DEFINITIONS THE FOLLOWING - SAC WIRELESS - TBD RELESS CONSTRUCTION CONTRACTOR/CM -SUB-CONTRACTOR-OWNER - AT&T WIR GENERAL CONSTRUCTION 1. FOR THE PURPOSE OF APPLY:

AT&T AND DRAWINGS H NO INDICATED ALL SITE WORK SHALL BE COMPLETED AS PROJECT SPECIFICATIONS. 3 5

27. GENERAL CONTRACTOR SHALL UST THE STEE AND SHALL FAMILIARIZE HINSELF WITH ALL CONDITIONS, AFFECTION THE PROPOSED WORK, AND SHALL HARFET ROANSIGNS. CORRECTOR SHALL BE RESPONSIBLE FOR TAMILLARIZING HAMSEL WITH SHOULD CONDITIONS. TO SHALL SHALL

ALL MATERALS, FURNISHED AND INSTALLED SHALL BE IN STRET ACCORDANCE WITH ALL APPLICABLE TODGES, REGULATIONS, AND ORDANGES, GENERAL, CONTROLOGY SHALL ISSUE REGULATIONS, REPORTING IN THE ALL LAWS, ORDANANCES RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC ALTHORITY RECARDING. PERFORMANCE OF WORK. 4

UNICSS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCIS, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWNINGS. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS. 9

5

PLANS ARE NOT DE ESCALED THESES PURSES SENTENDED TO BE A DIGGRAMMATIC OLITINE ONLY UNLESS OTHERWISE NOTED DIMENSIONS SHOWN ARE TO FINSEL STUBENCES OLITINESS. OTHERWISE NOTED FANCES CULPRICES COLIMENTS TO THE AMMINUM REQUIRED CLEARANCE. THE STREET COLUMENTS TO THE AMMINUM REQUIRED CLEARANCE. THE STREET DOCUMENTS. THE CONTINCTOR SHALL BE RESPONSELE FOR CHAINING A CLARRICCATION FROM THE ENGINEER PROPERTY OF SHALL BE AND SHALL BE AND

THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE. 8

IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE, AN ALTERNATIVE. INSTALLATION SPACE FOR APPROVAL. BY THE BROWNER FROM TO PROCEEDING. 6

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ABALACEN TAREA AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION. 10

GENERAL CONTRACTOR SHALL OTHER DISCIPLINES. =

RECTON SYALL BE DONE IN A WORKAMUIKE MANNER BY COMPETENT EXPERIENCED WORKAMAN IN ACCORDANCE WITH A PRUCABLE CODES AND THE BEST ACCEPTED PACKITICE. ALL MEMBERS SYALL BE LAD PLUMB AND TRUE AS INDICATED ON THE DRAWINGS. 12.

5.

SEAL PENETRATIONS, THROUGH FIRE FAIED AREAS WITH UL USTED MATERALS APPROVED BY LICKAL JURISDICTION, CONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS. 14.

CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 4B HOURS PRIOR TO COMMENCEMENT OF WORK. WORK PREVOUSEY COUPLET B. REPRESENTED BY LOGH SMADE UNES AND NOTES.

NOTES. CONTRACTOR SHALL MOTIFY THE ERENEENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL MOTIFY THE ERENEAL CONTRACTOR SHALL BYON THE DRAWINGS PRIOR TO BECHNING CONSTRUCTOR. 15.

THE CONTRACTOR STALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES, ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER. 16.

THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING. 18 17.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF TPLASS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL PRICE. 19. 20.

THE CREPAL\_CONTRACTOR SHALL PROPULE PORTAGE FREE EXTRIBUSISHERS WITH A RATING USE NOT LESS THAN 2-A 0T 2-A:10-B;C AND SHALL BE WITHIN 25 FEET OF TREARLE DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSPICTION. 21.

ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTUTIES SHALL BE SECON. THE SERVER, WATER ENGINEER TO STATE TO SHALL BE SECON. THE SERVER STATE TO STATE TO SHALL BE SECON. THE SERVER SHALL BE SECON. THE SERVER SHALL BE RELOCATED AND POSITION OF EACH ACTUATION SHOULD SHALL SHAL 22.

ALL EXISTING INACTIVE STREEN, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE RECOURDING THE WORSE, SAIALL BE REMOVED, GAPPED, PLUGGED OF OTHERWISE, OTHERWISE WITH THE 23.

EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.

TO THE EXISTING SITE DURING IF REQUIRED DURING CONSTRUCTION, AND LOCAL JURISDICTION FOR EROSION AND NOT COVERED A UNIFORM SLOPE. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK BY THE TOWNER, EQUIDAMENT OR DINYEWRY, SHALL BE GRADED TO AND STRABLIZED TO PREVENT EROSION. 25. CONTRACTOR SHALL MINIMIZE DISTURBANCE CONSTRUCTION, EROSION CONTROL MEASURES. SHALL BE IN CONFORMANCE WITH THE FEDERAL AND SEDIMENT CONTROL.

26. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

THE SUBGRADE SHALL BE BROUGHT TO A SWOOTH UNIFORM GRADE AND COMPACTED TO 929. PIERCRAIN TSHANDAND PROCUDINES AND 80 PERCENT STANDAND PROCUCING BESIST, IN UNDER PARKENT AND STANDAND PROCUCING CERSIST IN OFFICE STANDAND PROCUCING CERSIST IN OFFICE STANDAND PROCUCING CERSIST IN OFFICE STANDAND PROCUED WITH FLOWABLE FILL OR OTHER MATERIAL PRE—APPROVED BY THE LOCAL, UNISSOCITION.

ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STOKES, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. 28.

29. ALL BROCHHRS, OPERATING AND MANIFDANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OWER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.

30. CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT. 31. CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.

33. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SERVE. AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS). REQUIRED FOR THE PROPERTY OF THE PR

33. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.

34. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.

35. ALL MATRIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION A TASK MOBILITY GROUNDING STRANDED TITCHNICAL SPECIFICATION FOR CONSTRUCTION OF GSAL/GRPS WRELESS STIES" AND TITCHNICAL SPECIFICATION FOR FACILITY GROUNDING, IN CASE DR. A CONFICUE BETWEN THE CONSTRUCTION SPECIFICATION AND THE BRAWNINGS, THE DRAWNINGS SHALL GOVERN.

CONTRACTORS SHALL BE RESPONSIBLE FOR OBTANING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTON. IF CONTRACTOR IMMEDIATELY. THE MOST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY. 36.

37. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

69

FA

NO WHITE STROBE LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET STANDARDS AND REQUIREMENTS. ANTENNA MOUNTING 39.

40. DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO CURRENT ANS/TIA-222 OR APPLICABLE LOCAL CODES.

42. ALL BOTTS, ANCI-ORS AND MISCELLAMEDUS HARDWARE SHALL BE GALVANIZED IN ACCORDANGE WITH ASTM A153. ZING-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE, UNLESS NOTED DHERWISE. 41. ALL STEEL MATERIALS SHALL BE GALVANIZED ATTER FABRICATION IN ACCORDANCE WITH NATH ATAS TATIC (MOTINGS ON IRON AND STEEL PRODUCTS\*, UNLESS NOTED OTHERWISE.

COLD GALVANIZING IN 43. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY ACCORDANCE WITH ASTM A780. 44, ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH LOCK NUTS, DOUBLE NUTS AND SHALL BE TORQUED TO MANUFACTURER'S RECOMMENDATIONS. 45. CONTRACTOR SHALL INSTALL ANTENNA PER MANUFACTURER'S RECOMMENDATION FOR INSTALLATION AND GROUNDING. 46. ALL UNUSED PORTS ON ANY ANTENNAS SHALL BE TERMINATED WITH A 50-OHM LOAD TO ENSURE ANTENNAS PERFORM AS DESIGNED. 47. PROR TO SETING ANTENNA AZIMUTHS AND DOWNTLIS, ANTENNA CONTRACTOR SHALL CHECK THE ANTENNA MOUNT FOR TIGHTHINGS AND ENSURE THAT THEY ARE DIUMS. ANTENNA XIMUTHS SHALL BE SET FROM THOLE WORRY AND BE ORBERTED THE ROS. ANTENNA DOWNTLIS SHALL BE WITHIN +/- 0.5% AS DETAILS BY THE ROS. SHETRY TO NO -00246.

48. JUMPERS FROM THE TMA'S MUST TERMINATE TO OPPOSITE POLARIZATION'S IN EACH SECTOR.

77. ALL PROPOSED GROUND BAR DOWNLEADS ARE TO BE TERMINATED TO ADJACENT GROUND BAR DOWNLEADS A MINIMUM DISTANCE OF 4'-0" BELOW TERMINATIONS MAY BE EXCIPIERAL OR COMPRESSION. (6. ALL CALLES SHALL BE CROUNDED WITH COAXIAL CABLE GROUND K MANUFACTURER'S RECOMMENDATIONS.
A. GROUNDING AT THE ANTENNAL LIVEL.
A. GROUNDING AT BASE OF TOWER SWHICH ARE OVER 200"-0", A GROUNDING AT BASE OF TOWER PROOR TO THORNING HORSOUTH.
C. GROUNDING OFFIDE THE COUPLANTS SHELTER A THINTY PORT.
C. GROUNDING OFFIDE THE COUPLANTS SHELTER A THINTY PORT.

51. ALL RF CONNECTIONS SHALL BE TIGHTENED BY A TORQUE WRENCH TORQUE REQUIREMENTS

HAVE A AL RF CONNECTIONS, GROUNDING HARDWARE AND ANTENNA HARDWARE SHALL TOROUSE MARK INSTITLED IN A CONNINGUOS STRONGHING TO STRONGHING TOWN CONNECTION. TO STORY STATE OF THE CONNECTION. THE STATE OF THE CONNINGUES STATE OF THE TOWN OF THE STATE OF STATE OF THE STATE OF STATE OF

NUT SIDE STARTING FROM SOLID SURFACE: GROUND

at&t

IO1 S. MAROUETTE AVE

S46 W. MADISON ST 17TH FLOOR CHSCAGO. IL 60851 www.sscw.com 312,895.4977

WIRELESS ANDRON COMPANY

FIBER & POWER CABLE MOUNTING

53. THE FIBER OPTIC RRUNK CABLES SHALL BE INSTALLED INTO CONDUITS, CHANNEL CABLE THRYS, OR CABLE THRY SHALL BY THEN CABLES INTO A CABLE THRY SHALL BY THEN CABLES INTO A CABLE THRYS. AND AN INFER DUCT AND A PARTITION BARRIER SHALL BE INVESTILE BY ON AN INFER DUCT AND A PARTITION BARRIER SHALL BEEN SHALL BEEN CABLES SHALL BARRIER CABLE THRISS, OPTIC FIBER TRUNK CABLES SHALL HAVE CABLE SHALL BARRIER STRANMER STRANMER STRANMER STRANMER OF THE WARRIER TO THE CABLE THRY STRINK PER 70 (NEC) ARTICLE 770 RILLES SHALL APPLY.

54. THE TIPPE TG-ER CABLES SHALL BE INSTALLED INTO CONDUITS, CHANNEL CABLE TRAYS, ON CABLETT AND SHALL BE SECURED IN INTERNALS NOT EXCERDING (6) STAY FEET, ON SHALLOW, HER FREITTED TG-ATR AGALES THAN THE TRAYS, ON CABLET THAN SHALLOW TO PHYSICAL DAMAGE, CABLET TRAYS, ON CABLET TRAYS, ON CABLET TRAYS, ON CABLET TRAYS, ON THE SHALL NOT BE EXCENDED WITHOUT CONTINUOUS SUPPORTING, INTPA 70 (NES) ARTICLES 335 AND 32 RULES SHALL APPLY.

55. WHEN INSTALLING OPTIC FIBER TRUNK CABLES OR TYPE TC-ER CABLES INTO CONDUITS, NFPA 70 (NEC) ARTICLE 300 RULES SHALL APPLY.

COAXIAL CABLE NOTES

62. TPES AND SEES OF THE ANTENAN CALEE ARE BASED ON ESTIMACID. LEIGHES, PRORE PORTENIC CABLE, CONTRACTOR SYALL WERRY ACTIAL, LEAGTH ABSED ON CONSTRUCTION, LAYOUT AND NOTIFY THE PROJECT WANAGER IF ACTIVAL, LENGTHS EXCEED ESTIMATION LAYOUT.

63. CONTRACTOR SHALL VERIFY THE DOWN-TILT OF EACH ANTENNA WITH A DIGITAL LEVEL. PRIOR TO CONSTRUCTION. 64. CONTRACTOR SHALL CONFIRM COAX COLOR CODING

A 08/03/17 ISSUED FOR REVIEW KRC B 08/16/17 ISSUED FOR REVIEW AJM D 09/01/17 FOR CONSTRUCTION CJM

DATE

REV.

JOB#: 2017724.23.

66. ALL COAXAL CABLE SHALL BE SECURED TO THE DESIGNED SUPPORT STRUCTURE, IN AN APPROVED MANNER, AT DISTANCES NOT TO EXCEED 4"-0" OC. BE 1/2"  $65,\,\mathrm{ALL}$  JUMPERS TO THE ANTENNAS FROM THE MAIN TRANSMISSION LINE SHALL DIA. LDF AND SHALL NOT EXCEED  $6^{\circ}-0^{\circ}.$ 

CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS REGARDING BOTH THE INSTALLATION AND GROUNDING OF ALL COAKIAL CABLES, CONNECTORS, ANTENINS, AND ALL OTHER BUDINGRIN. 67.

CONTRACTOR SHALL GROUND ALL EQUIPMENT, INCLUD COAX CAGRES, AS A PR ET CONTROL CABLES AS A PR BE EXECUTED BY QUALIFIED WIREMEN IN CO SPECIFICATION AND RECOMMENDATION. 68.

CONTRACTOR SAML PROVIDE STRAIN-RELIEF A SAME BEIDFORD CASE. SUIPPORTS SAME BEIDFORD CONTRACTOR SAME BEIDFORD CONTRACTOR SAME BEIDFORD CONTRACTOR TO VERFOR THAT SAME BEIDFORD CONTRACTOR TO VERFOR THAT EXCITING CONTRACTOR TO VERFOR THAT EXCITING CASE SAME BEIDFORD CONTRACTOR SAME SAME WAS CONTRACTOR SAME. REPLACE EXISTING HANCIES BY PROVIDED SAME BEIDFORD CONTRACTOR SAME.

70.

GENERAL CABLE AND EQUIPMENT NOTES

date is December, 31, 2018, ered by this seal:

20666

res engineering document yes prepared to encure and the dublic the model of the factor of the factor

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

PREPARED BY ME OR UNDER THESE PREPARED BY ME OR UNDER THESE SUPERVISION AND THAT I RESISTED ENGINEER UNDER WES OF THE STATE OF MINNESSO. AND COAX 72. ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER TOWER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL REFERENCE THE TOWER STRUCTURAL ANALYSIS/DESIGN DRAWINGS FOR DIRECTIONS ON CABLE DISTRIBUTION/ROUTING. 71. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ANTENNY MACE "DIPLEXERS, CONFIGURATION, MAKE AND MODELS PRIOR TO INSTALLATION.

LTE 3C 13169467 LLW\_IASC WEST HIGH 3301 WEST 19TH STREET SIOUX CITY, IA 51103 14. ALL OUTDOOR RF CONNECTORS/CONNECTIONS SHALL BE WEATHERPROPED, EXCEPT THE RET CONNECTORS, USING BUTH. THE AFFER INSTALLATION AND INALL CONNECTORS ARE MADE, BUTH. TAPE SHALL HAVE A MINIMAL OF ONE—HALF TAPE WITH ON EXAM. TORKEN SHALL BE WARAPPED INFEE THIS SMALHERPROOFING SHALL BE SMOOTH WITHOUT BUCKLING, BUTH, BEEDING IS NOT ALLOWED.

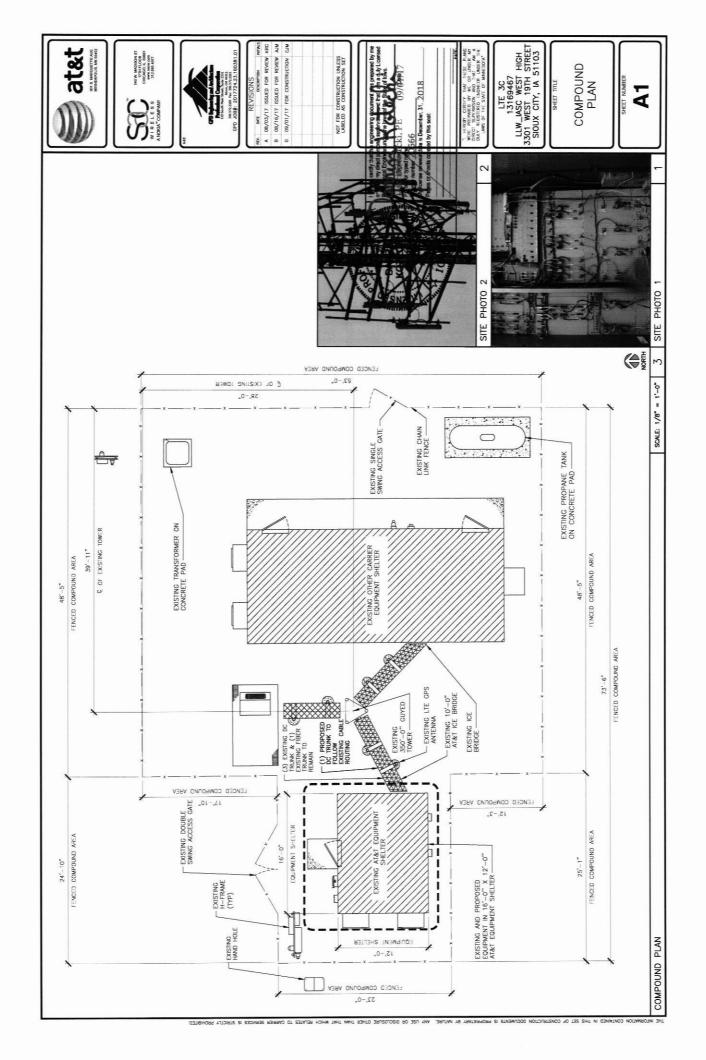
75. IF REQUEED TO PART, ARTENANS AND/OR COAX:
A TEMERATURE SHALL BE APPROVED BY BUILDING OWNER/JANDLORD.
B PART COLOR MUST BE APPROVED BY BUILDING OWNER/JANDLORD.
C FOR REQUEED FORMES, ARCCO APPROVED PART IS REQUIRED.
C DO NOT PART OF COLOR CODING OR ON COLUMENT MODEL WUMBERS.

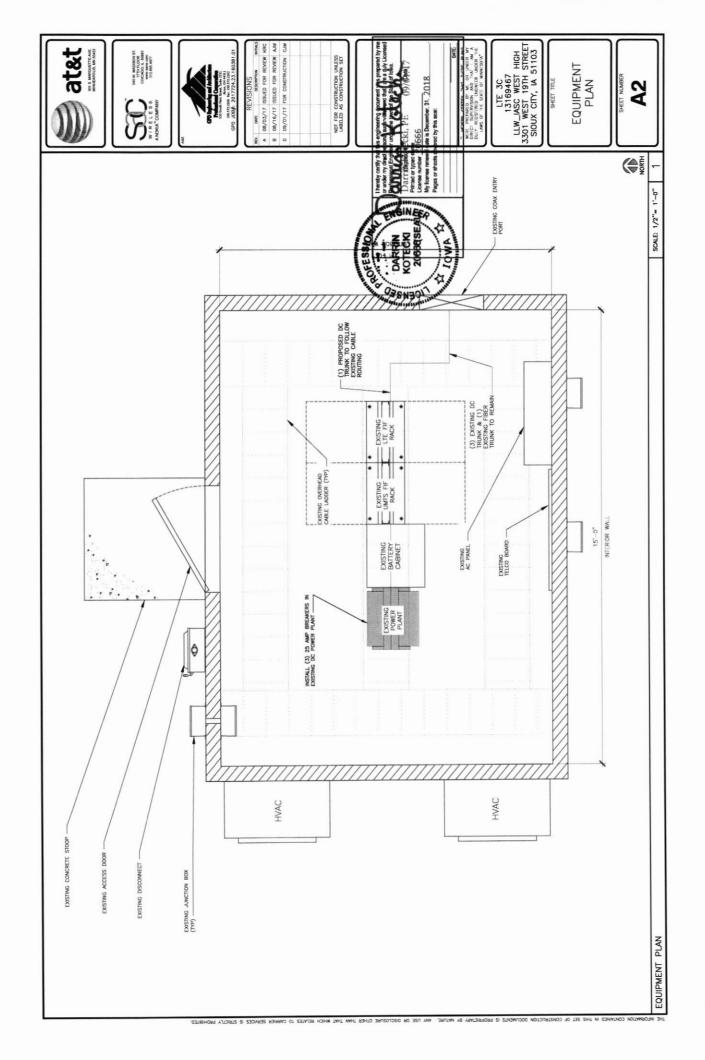
NOTES GROUNDED WITH COAXIAL CABLE GROUND KITS. FOLLOW THE CABLE ADDITIONAL

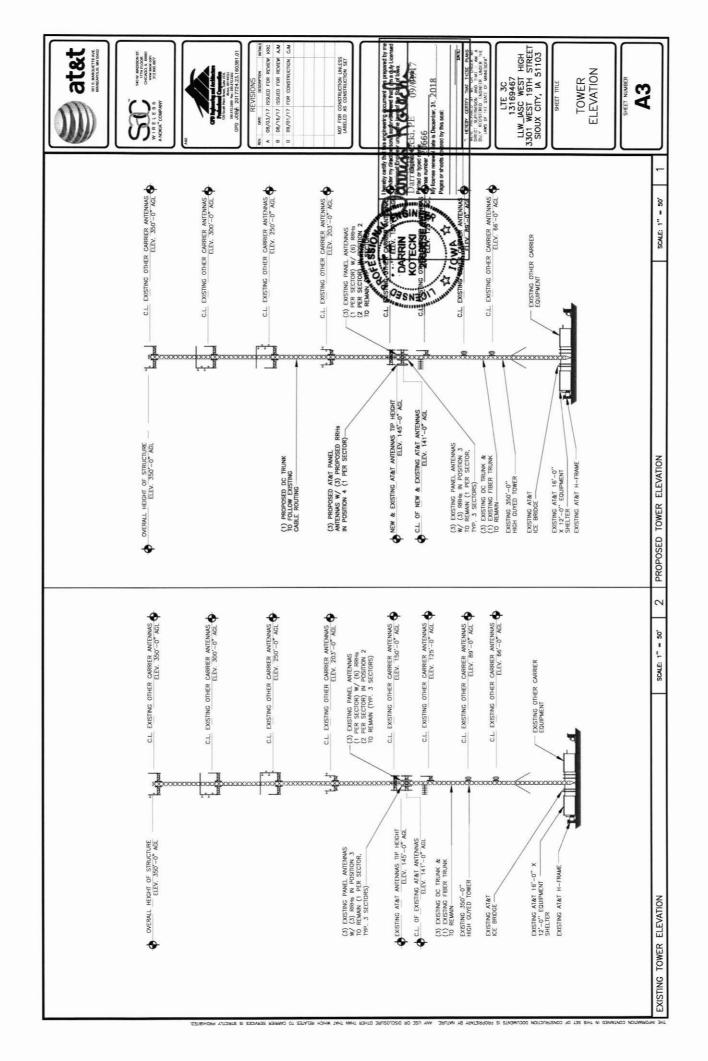
SPECIFICATIONS શ્ર

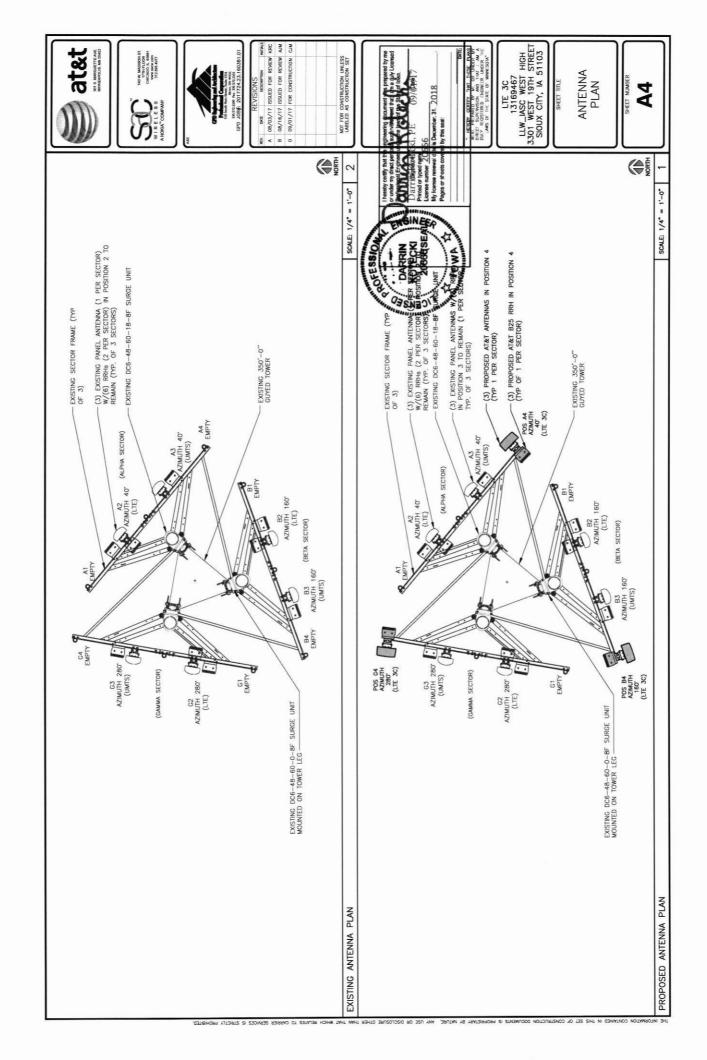
SP1

THE EXISTING GROUND BAR.









)	SOL & MANCOLETTE AVE.		A NORA" COMPARY	100 May 100 Ma	AD 1724 A 23.1 (COLD BAT 23.1 (COLD	REV. DATE DESCRIPTION BRITISES A 08/03/17 ISSUED FOR REVIEW KRC	0 09/01/17 TOR CONSTRUCTION CLIM	NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET	of the engineering document was prepared by me prema supervise and that it in a glub Licensed nor in partie laws of laws.	90 Elsi, PE 09/04/917	0 2	DE 3411  SECOND STREET OF SECOND SECO	13169467 LLW_IASC WEST HIGH 3301 WEST 19TH STREET SIOUX CITY, IA 51103	SHEET TITLE	ANTENNA & CABLE CONFIGURATION	SHET NUMBER	
		DOWNTILTS		0	0	0		0	I herely certify the or under my direct	Da TriBigleage Printed or typed nan License number 2	- Ny Ic	0	0	0		07.100	SCALE
		CABLE LENGTH (+20%)		±175				Was assessment	S C C C C C C C C C C C C C C C C C C C	KOTECKI ZOBBES	TOWN						
		CABLE TYPE		(2) DC / (1) FIBER (X)	(1) DC/SHARED FIBER (X)	(1) DC/SHARED FIBER (N)		SHARED W/ A2	SHARED W/ A3	SHARED W/ A4		SHARED W/ A2	SHARED W/ A3	SHARED W/ A4	(N) = NEW (N) =		
CABLE SCHEDULE	CABLE SCHEDULE	DC SURGE AND DISTRIBUTION					(1)DC6-48-60- 18-8F (X) (1)DC6-48-0-8F(X)										
	PROPOSED ANTENNA CONFIGURATION AND CABLE SCHEDULE SUPPLIED BY AT&T WIRELESS, FROM SCOPING DOCUMENT DATED 06/27/2017	TMA/RRU MODEL #		(1) RRH2X40W-07AT (X) (1) RRH4X25-WCS-4R (X)	(1) RRH2X60-850 (X)	(1) B25 RRH4X30-4R (N)		(1) RRH2X40W-07AT (X) (1) RRH4X25-WCS-4R (X)	(1) RRH2X60-850 (X)	(1) B25 RRH4X30-4R (N)		(1) RRH2X40W-07AT (X) (1) RRH4X25-WCS-4R (X)	(1) RRH2X60-850 (X)	(1) B25 RRH4X30-4R (N)	• INCLUDES SAFETY FACTOR OF 20' FT. (10 FT. AT BOTH ENDS OF CABLE RUN). OCHTRACTOR TO VERFY RF DATA WITH AT&T WIFLESS CONSTRUCTION MANAGER AND/OR RF ENGINEER PROR TO INSTALLATION		The second secon
	SED ANTENP	AZIMUTH		40.	40.	40.		160°	160*	160*		280.	280.	280.	FETY FACTOR OF D VERIFY RF DATA GINEER PRIOR TO		
00000	PROPOS	ANTENNA © HEIGHT		141' AGL				141' AGL				141' AGL			* INCLUDES SA CONTRACTOR T AND/OR RF EN		
		ANTENNA		KMW ET-X-UW-70-16-70- 18-IR- (X)	KMW ET-X-UW-70-16-70- 18-IR- (X)	KMW EPBQ-654-L8H8-L2 (N)		KMW ET-X-UW-70-16-70- 18-IR- (X)	KMW ET-X-UW-70-16-70- 18-IR- (X)	KMW EPBQ-654-L8H8-L2 (N)		KMW ET-X-UW-70-16-70- 18-IR- (X)	KMW ET-X-UW-70-16-70- 18-IR- (X)	KMW EPBQ-654-L8H8-L2 (N)		20	NO
		ТЕСН		1C/2C	UMTS	30		10/20	UMTS	30		10/20	UMTS	3C		ANTENNA & CABLE CONFIGURATION	UNFIGURALIA
		POS	-	7	ю	4	-	7	ь	4	-	7	ю	4		CARIF	CABLE
		SECTOR		<				ш				O				A ANN	ENNA &
													15		OUTAINE SET OUTAINS SET		AN

