

Exhibit 1 to Ordinance

Site # A5C0226A  
Market KC

**FIRST AMENDMENT TO REAL PROPERTY AND TOWER SITE LEASE**

THIS FIRST AMENDMENT TO REAL PROPERTY AND TOWER SITE LEASE (“Amendment”) is made and entered into by and between the City of Lee’s Summit, Missouri, a municipal corporation (“Lessor” or “City”), and T-Mobile Central LLC, a Delaware limited liability company (“Lessee”).

Recitals

The parties hereto recite, declare and agree as follows:

A. Lessor and Lessee entered into a REAL PROPERTY AND TOWER SITE LEASE dated April 24<sup>th</sup>, 2007 (the “Lease”), with respect to the Property located at 1251 SE Ranson Road, Lee's Summit, MO 64081.

B. Lessor and Lessee desire to enter into this Amendment in order to modify and amend certain provisions of the Lease.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee covenant and agree as follows:

1. Effective as of \_\_\_\_\_, 2021, Lessee will have the right to modify the location of its Site Equipment on the Tower Facility, as described and depicted on Exhibit A, which is attached hereto and by this reference incorporated herein, and Lessor hereby consents to and approves of the modifications described and depicted on Exhibit A in all respects.

2. Lessee’s notice addresses in the Lease are deleted in their entirety and replaced with the following:

If to Lessee:

T-Mobile Central LLC  
12920 SE 38<sup>th</sup> Street  
Bellevue, WA 98006  
Attn: Lease Compliance  
Site # A5C0226A

3. The terms and conditions of the Lease are incorporated herein by this reference, and capitalized terms used in this Amendment shall have the same meanings such terms are given in the Lease. Except as specifically set forth herein, this Amendment shall in no way modify, alter or amend the remaining terms of the Lease, all of which are ratified by the parties and shall remain in full force and effect. To the extent there is any conflict between the terms and conditions of the Lease and this Amendment, the terms and conditions of this Amendment will govern and control.

4. Lessor represents and warrants to Lessee that the consent or approval of no third party, including, without limitation, a lender, is required with respect to the execution of this Amendment, or if any such third party consent or approval is required, Lessor has obtained any and all such consents or approvals.

IN WITNESS WHEREOF, the parties have executed this Amendment effective as of the date of execution by the last party to sign.

**City of Lee's Summit Missouri, a municipal corporation**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

**T-Mobile Central LLC, a Delaware limited liability company**

DocuSigned by:  
*Ken C Bush*  
By: \_\_\_\_\_  
Name: Ken C Bush  
Title: Sr. Director, Engineering & Operations  
Date: 8/30/2021

TMO  
Legal  
Digitally signed by TMO Legal  
Date: 2021.08.24 09:08:07 -0400



**EXHIBIT A**

See attached drawings.



APPLICANT SITE NAME: **RANSON ROAD WATER TOWER**  
 APPLICANT SITE NUMBER: **A5C0226A**

DRAWING DESCRIPTION:  
**PRELIMINARY CD**

**APPROVAL SIGNATURE BLOCK**

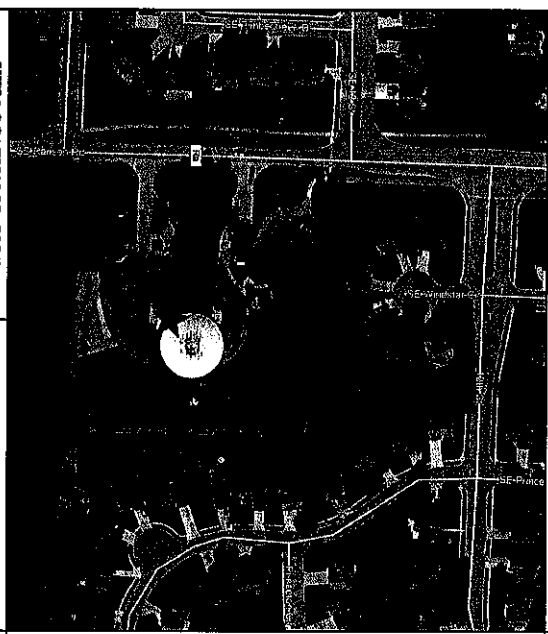
The following parties have reviewed these documents:

<b>Site Acquisition Specialist:</b>	Approved: <input type="checkbox"/> Rejected: <input type="checkbox"/>	Date:
<b>RF Engineer:</b>	Approved: <input type="checkbox"/> Rejected: <input type="checkbox"/>	Date:
<b>Construction Manager:</b>	Approved: <input type="checkbox"/> Rejected: <input type="checkbox"/>	Date:
<b>Operators:</b>	Approved: <input type="checkbox"/> Rejected: <input type="checkbox"/>	Date:
<b>Project Manager:</b>	Approved: <input type="checkbox"/> Rejected: <input type="checkbox"/>	Date:

# T-Mobile

APPLICANT SITE NAME: RANSON ROAD WATER TOWER  
 APPLICANT SITE NUMBER: A5C0226A  
 T-MOBILE PROJECT TYPE: MOVING TMO TO SPRINT  
 DRAWING DESCRIPTION: PRELIMINARY CD

**AERIAL MAP**



**SITE LOCATION QR CODE**



**ENGINEERING:**  
 SSC, INC.  
 7171 WEST 99TH STREET, SUITE 600  
 OVERLAND PARK, MISSOURI 66212  
 PHONE: (913) 488-7770  
 FAX: (913) 488-7777  
 SSC SITE ID: SSC-1290  
 PROJECT ID: P-008584  
 CLIENT MANAGER:  
 MARK SUPPER  
 A&E PROJECT MANAGER:  
 JEREMY BRISCOE  
 LEAD ENGINEER:  
 ROBERT JENSEN  
 LEAD ELECTRICAL:  
 SHELTON KERBLING

**CONSULTING TEAM**

**JURISDICTION COMPLIANCE**

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSIDERED TO PRESENT WORK NOT CONFORMING TO THESE CODES.

- INTERNATIONAL BUILDING CODE
- INTERNATIONAL MECHANICAL CODE
- ANSI/ISA-222 STRUCTURAL STEELWORK
- INTERNATIONAL FIRE AND PROTECTION CODE
- INTERNATIONAL PLUMBING CODE
- NATIONAL ELECTRICAL CODE

THE UTILITIES AS SHOWN ON THIS SET OF DRAWINGS WERE DEVELOPED FROM THE INFORMATION AVAILABLE. THE INFORMATION PROVIDED IS NOT GUARANTEED BY THE ENGINEER. THE ENGINEER'S RESPONSIBILITY TO PRESENT THE LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT AND PREVENT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.



**SITE INFORMATION**

**PROJECT INFORMATION**

**SITE ADDRESS:** 1251 SE RANSON ROAD, LEB'S SUMMIT, MISSOURI 64081  
**COUNTY:** JACKSON  
**PROPERTY OWNER:** CITY OF LEB'S SUMMIT, 220 SOUTHEAST GREER ST, LEB'S SUMMIT, MISSOURI 64083  
**TOWER INFORMATION:**  
 LATITUDE: 38.895603 N (NAD 83)  
 LONGITUDE: 94.139198 W (NAD 83)  
 GROUND ELEV: 1046.0' AMSL  
 TOWER HEIGHT: 187'-9" AGL  
 WATER TOWER: 191'-0" AGL  
**APPLICANT:** T-MOBILE, 12980 S FOSTER ST, STE 200, OVERLAND PARK, KS 66213

**PROJECT:** MOVING TMO TO SPRINT  
**RFPs CONFIGURATION:** 559122, SR 08/06/2019  
**RFPs DATE:** 08/06/2019  
**STRUCTURAL COMPANY:** SSC, INC.  
**STRUCTURAL REPORT #:** TBD  
**STRUCTURAL DATE:** TBD

**DRAWING INDEX**

SHEET NO.	TITLE SHEET	SHEET DESCRIPTION	DISC.
T-1.0	TITLE SHEET		C/E
A-1.0	OVERALL SITE PLAN		C
A-1.1	T-MOBILE EQUIPMENT LAYOUT		C
A-1.2	TOWER B/E ELEVATION		C
A-1.3	ANTENNA PLAN		C
A-1.4	ANTENNA CONFIGURATION KEY		C
A-1.5	EQUIPMENT CONFIGURATION KEYS		C
A-1.6	NSN CONFIGURATION DIAGRAM		C
A-1.7	ANTENNA ONE-LINE DIAGRAM		C
A-1.8	EQUIPMENT DETAILS (1 OF 2)		C
A-1.9	EQUIPMENT DETAILS (2 OF 2)		C
SP-1.0	SPECIFICATIONS		C

PLANS PREPARED BY: **T-Mobile**

**ENGINEERING LICENSE:**  
 STATE OF MISSOURI  
 STATE DEPARTMENT OF AUTHORIZATION AND REGULATION  
 ENGINEER: ROBERT JENSEN, LICENSE NO. 0000000000  
 PROJECT MANAGER: JEREMY BRISCOE, LICENSE NO. 0000000000  
 DATE: 08/06/2019

**PLANS PREPARED FOR:**

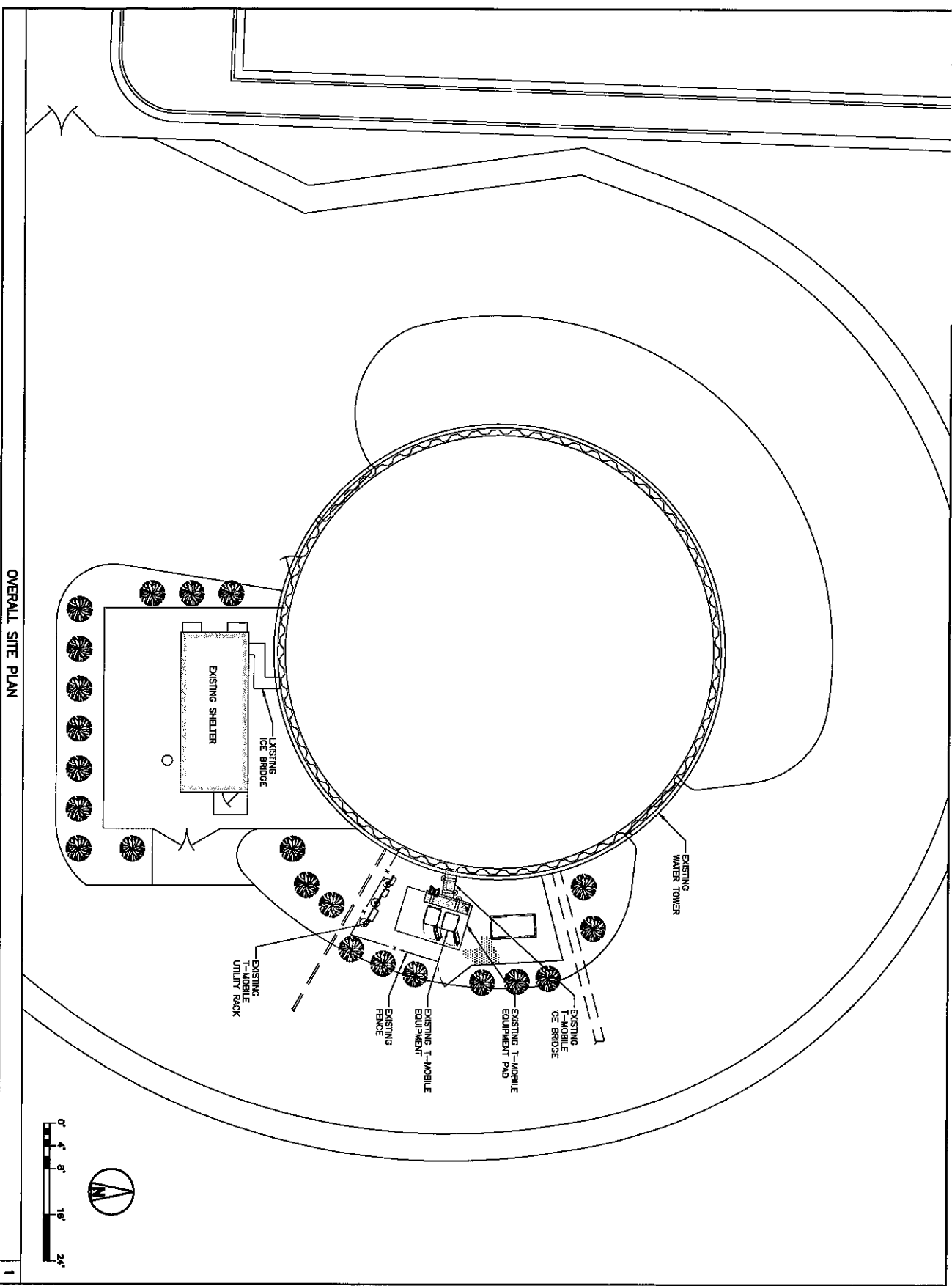
**PERMITS:**  
 THIS DRAWING HAS NOT BEEN REVIEWED AND IS THE SOLE RESPONSIBILITY OF THE ENGINEER. THE ENGINEER'S RESPONSIBILITY TO PRESENT THE LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT AND PREVENT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.

DATE	BY	REV
08/06/21	DSL	A
08/16/21	DSL	B
08/16/21	DSL	C

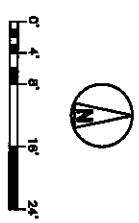
**APPLICANT SITE NAME:** RANSON ROAD WATER TOWER  
**APPLICANT SITE NUMBER:** A5C0226A

**SITE ADDRESS:** 1251 SE RANSON ROAD, LEB'S SUMMIT, MISSOURI 64081

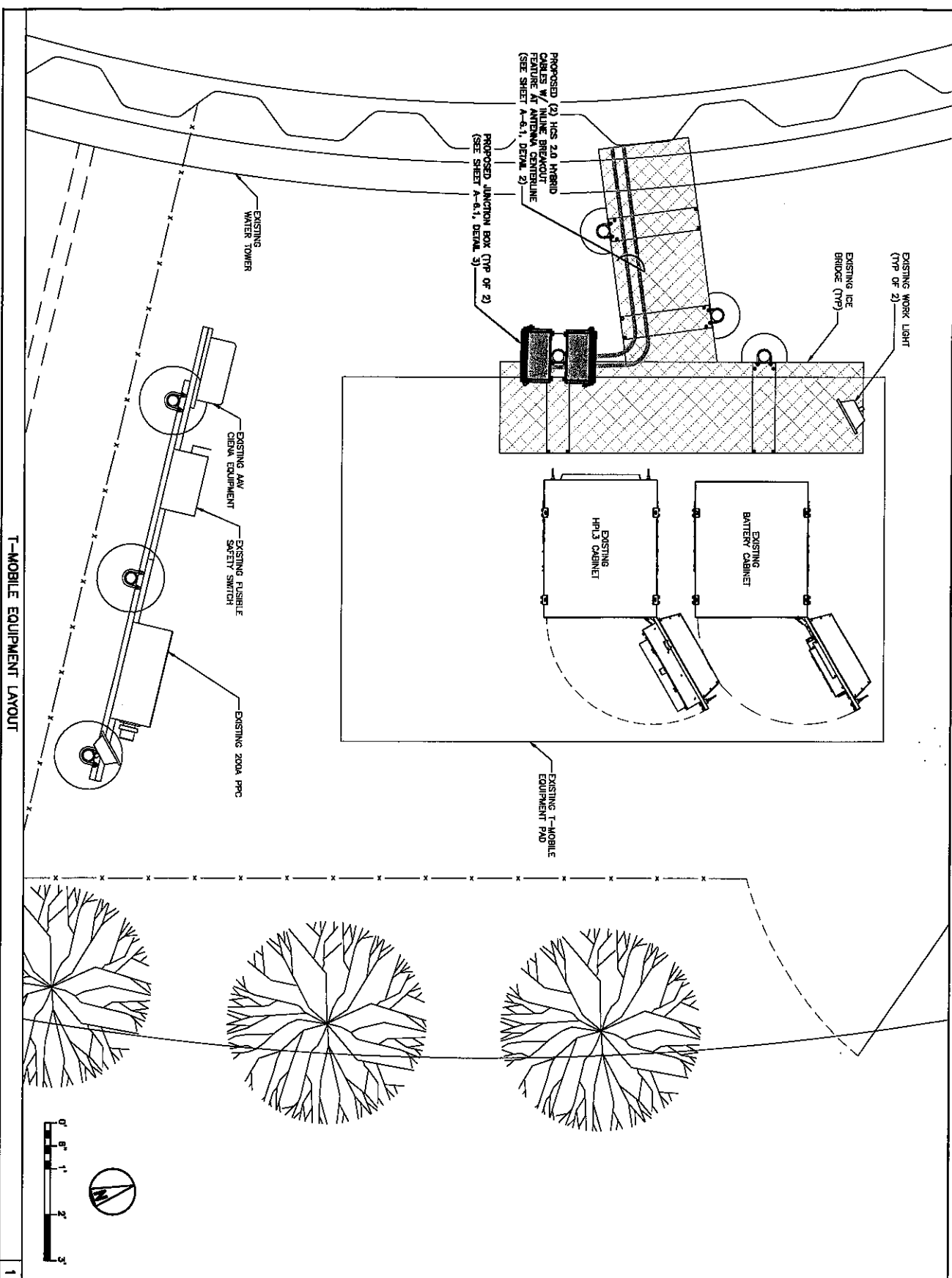
**SHEET DESCRIPTION:** TITLE SHEET  
**SHEET #:** T-1.0



OVERALL SITE PLAN



<p>PLANS PREPARED FOR:</p> <p>PLANS PREPARED BY:</p>																					
<p>ENGINEERING LICENSE:</p> <p>STATE OF MISSOURI</p> <p>STATE CERTIFICATE OF AUTHORIZATION:</p> <p>ENGINEER: [REDACTED]</p> <p>PROFESSIONAL NUMBER: [REDACTED]</p> <p>ISSUE DATE: [REDACTED]</p> <p>EXPIRES: [REDACTED]</p> <p>RENEWAL: [REDACTED]</p> <p>RENEWAL DATE: [REDACTED]</p> <p>RENEWAL FEE: [REDACTED]</p> <p>RENEWAL TYPE: [REDACTED]</p> <p>RENEWAL STATUS: [REDACTED]</p>																					
<p>PROJECT IDENTITY ISSUE</p>																					
<p>ISSUED FOR REVIEW: [REDACTED]</p> <p>REISSUED FOR REVIEW: [REDACTED]</p> <p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>REV</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUED FOR REVIEW</td> <td>05/09/21</td> <td>DSL</td> <td>A</td> </tr> <tr> <td>2</td> <td>REISSUED FOR REVIEW</td> <td>05/10/21</td> <td>DSL</td> <td>B</td> </tr> <tr> <td>3</td> <td>REISSUED FOR REVIEW</td> <td>05/16/21</td> <td>DSL</td> <td>C</td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE	BY	REV	1	ISSUED FOR REVIEW	05/09/21	DSL	A	2	REISSUED FOR REVIEW	05/10/21	DSL	B	3	REISSUED FOR REVIEW	05/16/21	DSL	C
NO.	DESCRIPTION	DATE	BY	REV																	
1	ISSUED FOR REVIEW	05/09/21	DSL	A																	
2	REISSUED FOR REVIEW	05/10/21	DSL	B																	
3	REISSUED FOR REVIEW	05/16/21	DSL	C																	
<p>APPLICANT SITE NAME:</p> <p><b>RANSON ROAD WATER TOWER</b></p> <p>APPLICANT SITE NUMBER:</p> <p>A.SCO226A</p> <p>SITE ADDRESS:</p> <p>1231 SE RANSON ROAD</p> <p>LEES SUMMIT, MISSOURI</p> <p>64081</p>																					
<p>SHEET DESCRIPTION:</p> <p>OVERALL SITE PLAN</p> <p>SHEET #</p> <p>A-1.0</p>																					



PLANS PREPARED FOR: **T-Mobile**

PLANS PREPARED BY: **SSC**

ENGINEERING LICENSE: **STATE OF MISSOURI**

STATE CERTIFICATE OF AUTHORIZATION: **NO. 0000000000**

PROJECT NO.: **1251 SE RANSON ROAD**

CLIENT: **LEE'S SUMMIT, MISSOURI**

DATE: **06/09/21**

SCALE: **AS SHOWN**

ISSUED FOR REVIEW: **06/09/21** DESIGNED BY: **A**

REVISIONS FOR REVIEW: **06/09/21** DESIGNED BY: **B**

REVISIONS FOR REVIEW: **06/09/21** DESIGNED BY: **C**

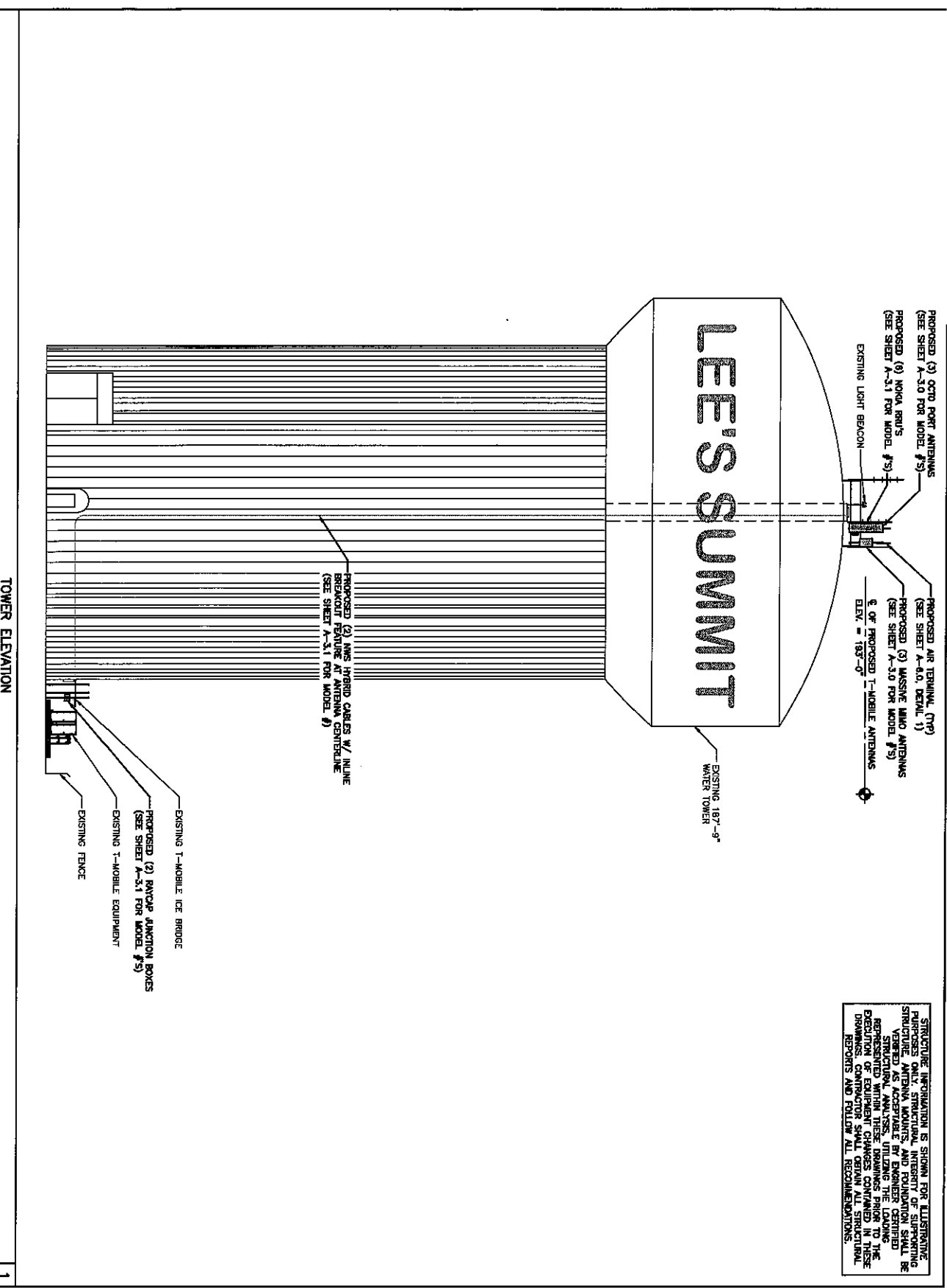
APPLICANT SITE NAME: **RANSON ROAD WATER TOWER**

APPLICANT SITE NUMBER: **A5C0226A**

SHEET DESCRIPTION: **T-MOBILE EQUIPMENT LAYOUT**

SHEET # **A-1.1**

1



STRUCTURE INFORMATION IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. STRUCTURAL INTEGRITY OF SUPPORTING STRUCTURE, ANTENNA MOUNTS, AND FOUNDATION SHALL BE VERIFIED BY A REGISTERED PROFESSIONAL ENGINEER. STRUCTURAL AND INSTALLATION ENGINEER SHALL REPRESENTED WITHIN THESE DRAWINGS PRIOR TO THE EXECUTION OF EQUIPMENT CHANGES CONTAINED IN THESE DRAWINGS. CONTRACTOR SHALL OBTAIN ALL STRUCTURAL REPORTS AND FOLLOW ALL RECOMMENDATIONS.

PLANS PREPARED FOR:

**T-Mobile**

PLANS PREPARED BY:

**SSC**

ENGINEERING LICENSE: \_\_\_\_\_

STATE OF MISSOURI

REGISTERED PROFESSIONAL ENGINEER

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

FOR REVIEW: \_\_\_\_\_

FOR APPROVAL: \_\_\_\_\_

FOR RECORD: \_\_\_\_\_

FOR SUBMITTAL: \_\_\_\_\_

**PROFESSIONAL ENGINEER**

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

FOR REVIEW: \_\_\_\_\_

FOR APPROVAL: \_\_\_\_\_

FOR RECORD: \_\_\_\_\_

FOR SUBMITTAL: \_\_\_\_\_

DRIVING NOTICE: THIS DRAWING HAS NOT BEEN FILED WITH THE STATE ENGINEER'S OFFICE AND IS NOT VALID FOR CONSTRUCTION. ANY CHANGES TO THIS DRAWING SHALL BE MADE BY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.

APPLICANT SITE NAME: RANSON ROAD WATER TOWER

APPLICANT SITE NUMBER: A5C0226A

SHEET DESCRIPTION: TOWER ELEVATION

SHEET # 1

REVISION NO.	DATE	DESCRIPTION	BY	REV
1	06/10/21	ISSUED FOR REVIEW	DNL	A
2	06/10/21	REISSUED FOR REVIEW	DNL	B
3	06/10/21	REISSUED FOR REVIEW	DNL	C

APPLICANT SITE NAME: RANSON ROAD WATER TOWER

APPLICANT SITE NUMBER: A5C0226A

SHEET DESCRIPTION: TOWER ELEVATION

SHEET # 1

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APPLICANT SITE NAME: RANSON ROAD WATER TOWER

APPLICANT SITE NUMBER: A5C0226A

SHEET DESCRIPTION: TOWER ELEVATION

SHEET # 1

APPLICANT SITE NAME: RANSON ROAD WATER TOWER

APPLICANT SITE NUMBER: A5C0226A

SHEET DESCRIPTION: TOWER ELEVATION

SHEET # 1

APPLICANT SITE NAME: RANSON ROAD WATER TOWER

APPLICANT SITE NUMBER: A5C0226A

SHEET DESCRIPTION: TOWER ELEVATION

SHEET # 1

APPLICANT SITE NAME: RANSON ROAD WATER TOWER

APPLICANT SITE NUMBER: A5C0226A

SHEET DESCRIPTION: TOWER ELEVATION

SHEET # 1



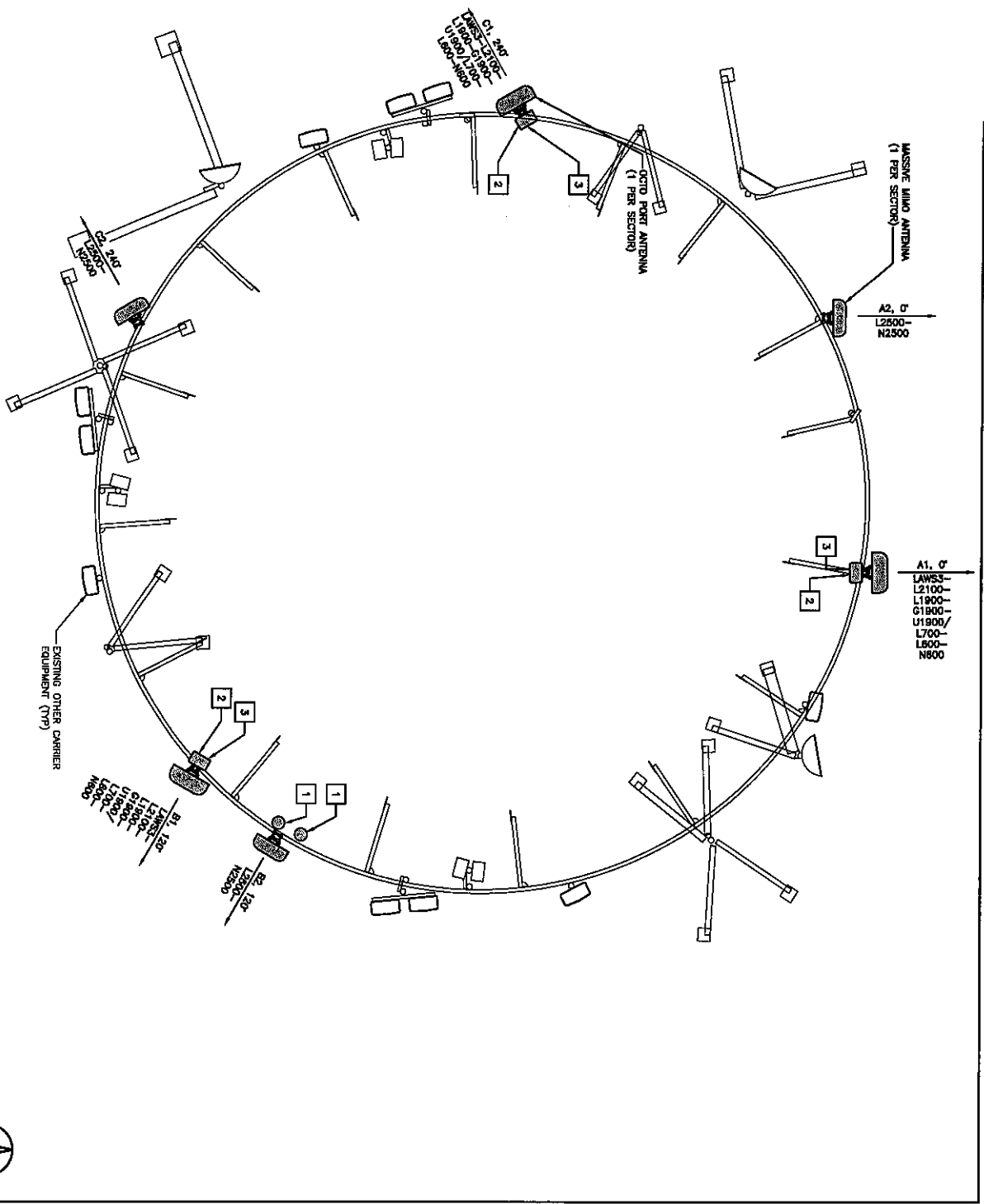
**EQUIPMENT LEGEND:**

- EXISTING
- PROPOSED
- RELOCATED

**EQUIPMENT KEY:**

**NOTES:**

- 1 HSS 2.0 BREAKOUT FEATURE
- 2 AMLIA RRU
- 3 AFRIC RRU



PROPOSED ANTENNA PLAN



N.T.S.

1

PLANS PREPARED FOR:

**T-Mobile**

PLANS PREPARED BY:

**SSC**

ENGINEERING LICENSE:

STATE OF MISSOURI

STATE CERTIFICATE OF AUTHORIZATION:

ISSUED:

EXPIRES:

RENEWAL:

REVISION:

DATE:

BY:

FOR:

PROJECT:

SE RANSON ROAD

LEES SUMMIT, MISSOURI

64081

SHEET DESCRIPTION:

ANTENNA PLAN

SHEET #:

A-2.1

APPLICANT SITE NAME:

RANSON ROAD WATER TOWER

APPLICANT SITE NUMBER:

A5C00226A

ISSUED FOR REVIEW:

06/09/21

DATE:

BY:

REV:

ISSUED FOR REVIEW:

06/10/21

DATE:

BY:

REV:

RESUBMITTED FOR REVIEW:

06/10/21

DATE:

BY:

REV:

RESUBMITTED FOR REVIEW:

06/10/21

DATE:

BY:

REV:

DRIVING NOTICE:

THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF THE ENGINEER. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED AND SHALL NOT BE EXTENDED TO ANY OTHER SERVICES OR PRODUCTS. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED AND SHALL NOT BE EXTENDED TO ANY OTHER SERVICES OR PRODUCTS. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED AND SHALL NOT BE EXTENDED TO ANY OTHER SERVICES OR PRODUCTS.

ANTENNA KEY

STATUS	ANTENNA NUMBER	COLOR CODE (SEE NOTE 3)	BEAM WIDTH	ANTENNA VENDOR	MODEL #	AZIMUTH	ELECTRICAL DOMINANT	MECHANICAL DOMINANT	ANTENNA & AGL	TECH	CABLE FEEDER		HYBRID FEEDER	
											(QTY)	SIZE	COLOR CODE	QUANTITY
PROPOSED	A2 L2500- N2500	RED 1/P	65°	NOKIA	A51C	0°	TBD	0°	183'-0"	L2500 N2500	-	-	SHARED WITH B2	GRAY 1
PROPOSED	A1 LAMS3- L2100- L1900- G1800/ U1800/ L700- L800- N800	R 4/Y/B+GB+BW+RW	65°	COMMSCOPE	PTM-65C-R3	0°	TBD	0°	183'-0"	LAMS3 L2100 L1900 G1800 U1800	-	-	SHARED WITH B2	GRAY 2
		R 3/Y/B+GB+BW+RW									-	-		
		R 2/Y/B+GB+BW+RW									-	-		
		R 1/Y/B+GB+BW+RW									-	-		
		R 4/RB+HW									-	-		
PROPOSED	B2 L2500- N2500	YELLOW 1/P	65°	NOKIA	A51C	120°	TBD	0°	193'-0"	L2500 N2500	-	-	(1) HCS 2.0 HYBRID CABLE	GRAY 1
PROPOSED	B1 LAMS3- L2100- L1800- G1800/ U1800/ L700- L800- N800	Y 4/Y/B+GB+BW+RW	65°	COMMSCOPE	PTM-65C-R3	120°	TBD	0°	193'-0"	LAMS3 L2100 L1800 G1800 U1800	-	-	(1) HCS 2.0 HYBRID CABLE	GRAY 2
		Y 3/Y/B+GB+BW+RW									-	-		
		Y 2/Y/B+GB+BW+RW									-	-		
		Y 1/Y/B+GB+BW+RW									-	-		
		Y 4/RB+HW									-	-		
PROPOSED	C2 L2500- N2500	BLUE 1/P	65°	NOKIA	A51C	240°	TBD	0°	193'-0"	L2500 N2500	-	-	SHARED WITH B2	GRAY 1
PROPOSED	C1 LAMS3- L2100- L1800- G1800/ U1800/ L700- L800- N800	B 4/Y/B+GB+BW+RW	65°	COMMSCOPE	PTM-65C-R3	240°	TBD	0°	193'-0"	LAMS3 L2100 L1800 G1800 U1800	-	-	SHARED WITH B2	GRAY 2
		B 3/Y/B+GB+BW+RW									-	-		
		B 2/Y/B+GB+BW+RW									-	-		
		B 1/Y/B+GB+BW+RW									-	-		
		B 4/RB+HW									-	-		

ANTENNA NOTES:

- ANTENNA CONTRACTOR SHALL INSURE THAT ALL ANTENNA MOUNTING FITS ARE APPROXIMATE.
- FEEDLINE LENGTHS INDICATED ARE APPROXIMATE.
- ANTENNA CABLE FEEDERS & ANTENNA JUMPEES SHALL BE ADDED TO EACH ANTENNA FEEDLINE & ANTENNA JUMPER.  
 L2500/8000 - PURPLE STRIPE CHECKER STRIPE  
 L2100/8000 - GREEN-WHITE CHECKER STRIPE  
 U1800 - RED-WHITE CHECKER STRIPE  
 G1800 - BLACK-WHITE CHECKER STRIPE  
 L700/8000 - BLACK-WHITE CHECKER STRIPE  
 L800/8000 - WHITE STRIPE
- IN ADDITION TO THE COLOR CODE THE FOLLOWING ANTENNA SECTOR COLOR STRIPE SHALL BE ADDED TO EACH ANTENNA SECTOR FEEDLINE & JUMPER.  
 ALPHA - RED STRIPE  
 BETA - YELLOW STRIPE  
 GAMMA - BLUE STRIPE  
 DELTA - GREEN STRIPE  
 EPSILON - WHITE STRIPE  
 ZETA - PURPLE STRIPE  
 HYBRID - GRAY STRIPE
- MULTI PORT ANTENNAS, TERMINATE UNUSED ANTENNA PORTS WITH CONNECTOR CAP & REMOVE FROM THROUGH-T. JUMPEES FROM POLARIZATION IN EACH SECTOR.
- CONTRACTOR MUST FOLLOW ALL MANUFACTURERS' REQUIREMENTS FOR FEEDLINE & ANTENNA OF FEEDLINES, CONNECTORS, AND ANTENNAS.
- MINIMUM BEND RADII:  
 L254-50A (1/2" HYBRID LINE) = 5"  
 L254-50A (1/2" SHD LINE) = 1 1/4"  
 AMZ-50A (7/8" HYBRID LINE) = 10"  
 AMZ-50A (1 5/8" HYBRID LINE) = 1-5"  
 L254-50A (1 5/8" SHD LINE) = 1-5"  
 LOW-CAP HYBRID CABLE = 1-3"  
 MID-CAP HYBRID CABLE = 1-3"  
 HIGH-CAP HYBRID CABLE = 1-7"
- CONTRACTOR SHALL RECORD THE SERIAL #, PART NUMBER AND THE SERIAL # AND PROVIDE THE INFORMATION TO F-MOBILE.
- WEATHERPROOF ALL ANTENNA CONNECTORS WITH SET MARKING TAPE.
- ANTENNA CONTRACTOR SHALL PERFORM A "TARE DROP" MEASUREMENT TO CONFIRM VALIDATE ANTENNA CENTERLINE (CAL) HEIGHT. CONTRACTOR SHALL SUBMIT A COMPLETED HEIGHT MEASUREMENT FORM TO THE CONSTRUCTION MANAGER.

PLANS PREPARED FOR:

**F-Mobile**

PLANS PREPARED BY:

**SSC**

ISSUED FOR REVIEW: 06/08/21 DSN A

REISSUED FOR REVIEW: 06/09/21 DSN B

REISSUED FOR REVIEW: 06/16/21 DSN C

CLIENT SITE NAME: RANSON ROAD WATER TOWER

CLIENT SITE NUMBER: A5C0226A

SHEET DESCRIPTION: ANTENNA CONFIGURATION KEY

SHEET # 1 OF 1

DATE: 06/08/21

BY: [Signature]

REV: [Signature]

ENGINEERING LICENSE:

STATE OF MISSOURI

ENGINEER'S NAME: [Name]

EXPIRES: [Date]

NO. OF HOURS: [Hours]

FOR REVIEW: [Date]

FOR REVISION: [Date]

FOR APPROVAL: [Date]

FOR ISSUANCE: [Date]

FOR CANCEL: [Date]

FOR REINSTATEMENT: [Date]

FOR RENEWAL: [Date]

FOR TRANSFER: [Date]

FOR SUSPENSION: [Date]

FOR REVOCATION: [Date]

FOR REINSTATEMENT: [Date]

FOR RENEWAL: [Date]

FOR TRANSFER: [Date]

FOR SUSPENSION: [Date]

FOR REVOCATION: [Date]

**EQUIPMENT KEY - EQUIPMENT PAD**

LOCATION	VENDOR	EQUIPMENT	MODEL NO.	TECH	QTY.	STATUS
HP1.3 CABINET	NOKIA	SYSTEM MODULE	AMA	L2500 L2503 L1900 L700 L600	1	EXISTING
		COMMON MODULE	AS1B	L2600	1	EXISTING
		CAPACITY MODULE	AS1C	L2500	3	EXISTING
		CAPACITY MODULE	ABA	L2100 L1900 L1900	2	EXISTING
		CAPACITY MODULE	ABA	L700 L600	1	EXISTING
		SYSTEM MODULE	AMA	N2500 N600	1	EXISTING
		COMMON MODULE	AS1K	N600	1	EXISTING
		CAPACITY MODULE	ABL	N600	3	EXISTING
		CAPACITY MODULE	ABL	N2500	1	EXISTING
		SYSTEM MODULE	FS1F	G1900 U1900	1	EXISTING
HP1.3 CABINET	NOKIA	SYSTEM MODULE	FS1F	G1900 U1900 L700 L600 L600	1	PROPOSED
HP1.3 CABINET	NOKIA	JUNCTION BOX	RM100-5634-RG-48	N2500	1	PROPOSED
HP1.3 CABINET	NOKIA	JUNCTION BOX	RM100-5634-RG-48	N2500	1	PROPOSED
HP1.3 CABINET	NOKIA	JUNCTION BOX	RM100-5634-RG-48	N2500	1	PROPOSED

**EQUIPMENT KEY - SECTOR**

LOCATION	VENDOR	EQUIPMENT	MODEL NO.	TECH	QTY.	STATUS
1 PER SECTOR	NOKIA	RRU	AHT15	L2600	3	PROPOSED
				L2100 L1900 U1900	3	PROPOSED
1 PER SECTOR	NOKIA	RRU	AHL0A	L700 L600 N600	3	PROPOSED

**EQUIPMENT KEY - FEEDLINES**

LOCATION	VENDOR	EQUIPMENT	MODEL NO.	QTY.	LENGTH	STATUS
MULTI SECTOR	NOKIA	HYBRID CABLE	F012106-46555-400	2	400'-0"	PROPOSED

**ANTENNA NOTES:**

- ANTENNA CONTRACTOR SHALL INSURE THAT ALL ANTENNA MOUNTING PIPES ARE APPROXIMATE.
- FEEDLINE LENGTHS INDICATED ARE APPROXIMATE.
- ANTENNA COAXIAL FEEDERS & ANTENNA JUMBERS SHALL BE COLOR CODED PER TABLE BELOW. STRIPES SHALL BE ADDED TO EACH ANTENNA FEEDLINE & ANTENNA JUMPER.
  - L2500/N2500 - PURPLE STRIKE CHECKER STRIPE
  - L2600 - YELLOW STRIKE CHECKER STRIPE
  - L2100 - GREEN-BLACK CHECKER STRIPE
  - L1900 - GREEN-BLACK CHECKER STRIPE
  - U1900 - RED-WHITE CHECKER STRIPE
  - G1900 - RED-BLACK CHECKER STRIPE
  - L700 - RED-BLACK CHECKER STRIPE
  - L600/N600 - WHITE STRIPE
- IN ADDITION TO THE COLOR CODE THE FOLLOWING APPLIED TO EACH COLOR STRIPE SHALL BE ADDED TO EACH ANTENNA SECTOR FEEDLINE & JUMPER.
  - ALPHA - RED STRIPE
  - BETA - BLUE STRIPE
  - GAMMA - BLUE STRIPE
  - DELTA - GREEN STRIPE
  - EPSILON - WHITE STRIPE
  - ZETA - PURPLE STRIPE
  - HYBRID - GRAY STRIPE
- MULTI PORT ANTENNAS: TERMINATE UNUSED WEATHERPROOF THROUGHLY. JUMBERS FROM TOWERS MUST TERMINATE TO OPPOSITE POLARIZATIONS IN EACH SECTOR.

**CONTRACTOR MUST FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS REGARDING THE INSTALLATION OF FEEDLINES, CONNECTORS, AND ANTENNAS.**

- MINIMUM BEND RADII:
  - DPF-50A (1/2" HARD LIND) = 5'
  - FS4-50B (1/2" SUPER FLEX) = 1 1/4'
  - AMS-50A (7/8" HARD LIND) = 10'-1-3/4"
  - DPF-50A (1/2" HARD LIND) = 1'-3"
  - LOW-CAP HYBRID CABLE = 1'-3"
  - HIGH-CAP HYBRID CABLE = 1'-7"

**CONTRACTOR SHALL RECORD THE SERIAL #, SECTOR, AND POSITION OF EACH ACTUATOR INSTALLED IN THE ANTENNA AND PROVIDE THE INFORMATION TO THE MOBILE.**

- WEATHERPROOF ALL ANTENNA CONNECTORS WITH SELF ADHESIVE TAPE.
- ANTENNA CONTRACTOR SHALL PERFORM A "TAP DROP" MEASUREMENT TO CORRECTLY VALIDATE ANTENNA CENTERLINE (ACL) HEIGHT. CONTRACTOR SHALL SUBMIT A COMPLETED VERIFICATION FORM TO THE CONSTRUCTION MANAGER.

DATE:

ENGINEERING LICENSE  
STATE OF MISSOURI  
STATE CERTIFICATE OF AUTHORIZATION  
ENGINEER  
RICHARD W. MURPHY  
NO. 0000000000  
ISSUED 01/01/00 EXPIRES 01/01/05  
RENEWED 01/01/05  
RENEWED 01/01/05  
RENEWED 01/01/05

PLANS PREPARED FOR:  
**T-Mobile**



PLANS PREPARED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

ISSUED FOR REVIEW: \_\_\_\_\_

REVISIONS FOR REVIEW: \_\_\_\_\_

REVISIONS FOR REVIEW: \_\_\_\_\_

NO.	DESCRIPTION	DATE	BY	REV
1	ISSUED FOR REVIEW	06/08/21	DSL	A
2	REVISIONS FOR REVIEW	06/10/21	DSL	B
3	REVISIONS FOR REVIEW	06/16/21	DSL	C

APPROXIMATE SITE NAME: \_\_\_\_\_

PROJECT SITE NUMBER: \_\_\_\_\_

PROJECT SITE NUMBER: A5C0226A

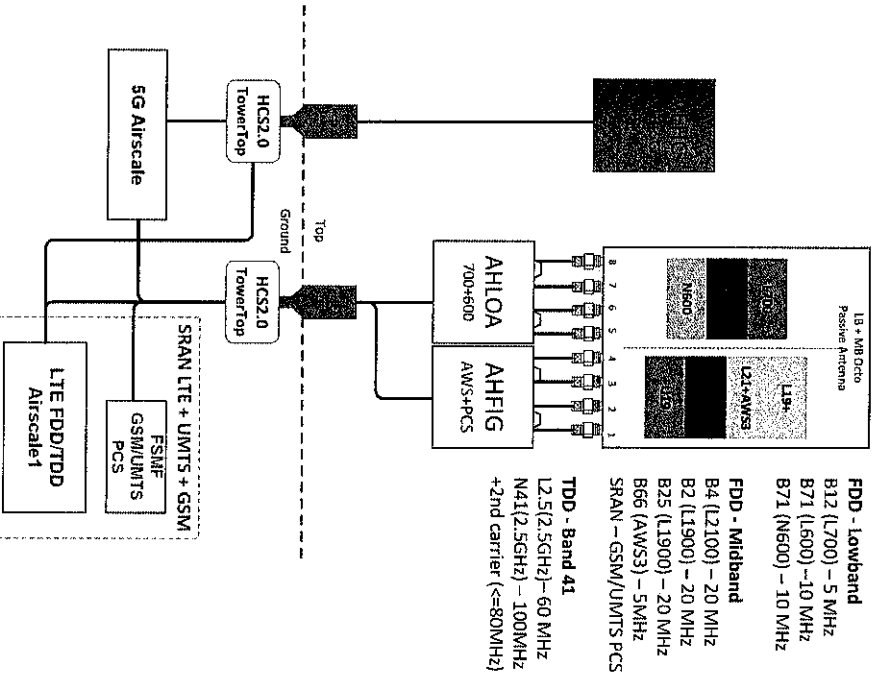
SITE ADDRESS: SE RANSON ROAD  
1231 SE RANSON ROAD  
LEBES SUMMIT, MISSOURI  
64081

SHEET DESCRIPTION: EQUIPMENT CONFIGURATION KEYS

SHEET # 4: A-3.1

### Configuration 56791EZ\_SR

\* For 5G and LTE Airscale BB dimensioning refer to Fiber Port matrices.  
(Alpha, Beta & Gamma)



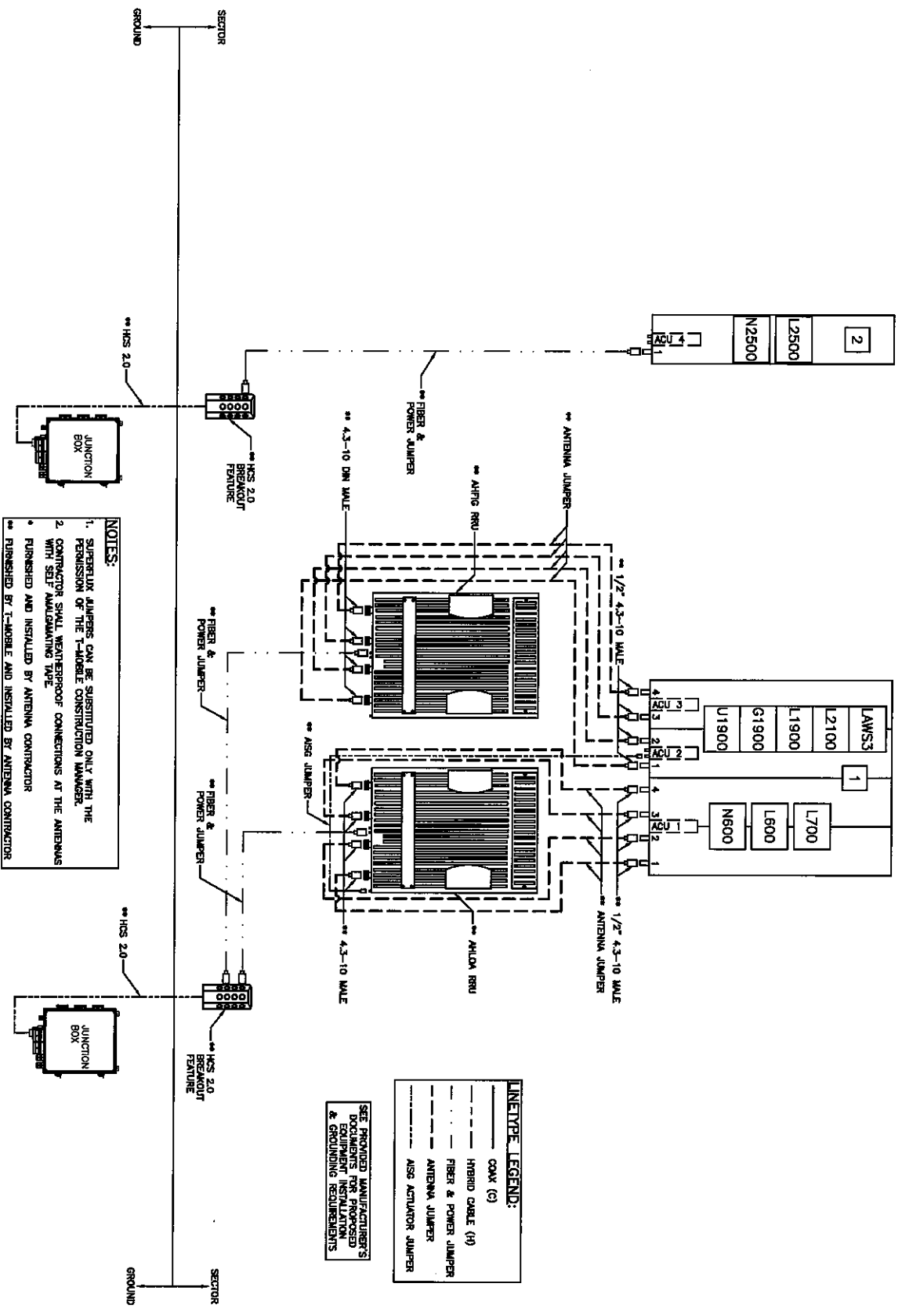
Plan Scope of Work:  
Anchor: L700-4x2 and AWS3 Upgrade; Site is Currently on a CDW; Our Equipment has been Removed  
Install (2) HCS 2.0 Hybrid Trunk with breakout feature  
Install (2) HCS 2.0 Junction Box at the BTS; Revamp NTWOC-5934-PF-48  
Install (3) AHFIG  
Install (3) AH10A  
Install (3) ABHC  
Realign the LMR Antenna Positions

### NSN CONFIGURATION DIAGRAM

**NOTE:**  
DETAIL PROVIDED BY APPLICANT & REPRODUCED  
ON THIS SHEET AS REQUESTED BY APPLICANT.

<p>ENGINEERING LICENSE STATE OF MISSOURI STATE DEPARTMENT OF TRANSPORTATION PROFESSIONAL ENGINEER RE: RANSON ROAD WATER TOWER NO. 64081 EXPIRES 08/31/2023</p>	<p>PLANS PREPARED FOR: <b>T-Mobile</b> PLANS PREPARED BY: <b>SSC</b></p>	<p>ISSUED FOR REVIEW: 06/28/21   DSL   A RESUBMITTED FOR REVIEW: 08/10/21   DSL   B RESUBMITTED FOR REVIEW: 08/16/21   DSL   C</p>	<p>APPLICANT SITE NAME: <b>RANSON ROAD WATER TOWER</b></p> <p>APPLICANT SITE NUMBER: <b>A.SC0226A</b></p>	<p>SITE ADDRESS: <b>SE RANSON ROAD LEES SUMMIT, MISSOURI 64081</b></p> <p>SHEET DESCRIPTION: <b>CONNECTION DIAGRAM</b></p> <p>SHEET #: <b>A-4.0</b></p>
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**TYPICAL SECTOR:**  
(VIEW FROM BACK OF ANTENNA)



- NOTES:**
1. SUPERLUX JUMPERS CAN BE SUBSTITUTED ONLY WITH THE PERMISSION OF THE T-MOBILE CONSTRUCTION MANAGER.
  2. CONTRACTOR SHALL VERIFY PROOF CONNECTIONS AT THE ANTENNAS WITH SELF-MANAGING TAPE.
- FURNISHED BY T-MOBILE AND INSTALLED BY ANTENNA CONTRACTOR

**LINE TYPE LEGEND:**

---	COAX (C)
---	HYBRID CABLE (H)
---	FIBER & POWER JUMPER
---	ANTENNA JUMPER
---	ASSG ACTUATOR JUMPER

SEE PROVIDED MANUFACTURER'S DOCUMENTS FOR PROPOSED EQUIPMENT INSTALLATION & GROUNDING REQUIREMENTS

**ANTENNA ONE-LINE DIAGRAM**

**ENGINEERING LICENSE**  
STATE OF MISSOURI  
STATE CERTIFICATE OF AUTHORIZATION  
ENGINEER  
REVISED FOR REVIEW  
DATE: 06/19/21  
PROJECT: RANSON ROAD WATER TOWER

**PLANS PREPARED FOR:**  
**T-Mobile**

**PLANS PREPARED BY:**  
**SSC**

**DRAWING NOTICE:**  
THIS DRAWING HAS NOT BEEN FILED AND IS THE SOLE PROPERTY OF T-MOBILE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE NECESSARY PERMITS FOR THIS PROJECT. THE CONTRACTOR SHALL VERIFY ALL INFORMATION ON THE DRAWING, THE ENGINEER'S REVISIONS AND THE CONTRACTOR'S RECORD DRAWINGS. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY OMISSIONS OR ERRORS IN THE DRAWING OR RECORD DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	06/29/21	DSL	A
RESUBMITTED FOR REVIEW	06/10/21	DSL	B
RESUBMITTED FOR REVIEW	06/10/21	DSL	C

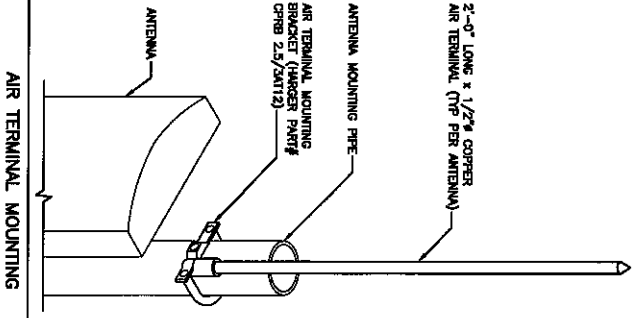
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RANSON ROAD WATER TOWER

**APPLICANT SITE NUMBER:**  
ASC0226A

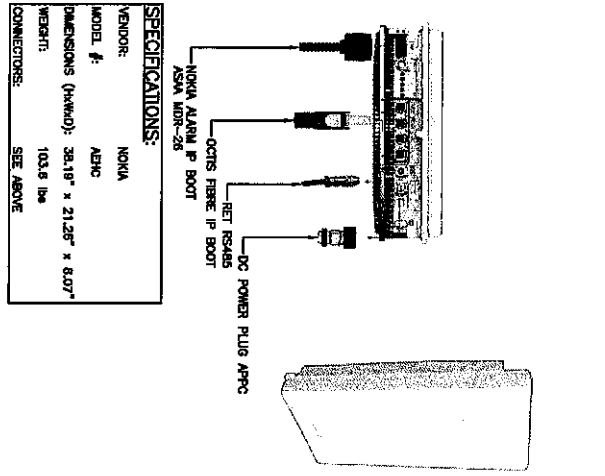
**SITE ADDRESS:**  
1251 SE RANSON ROAD  
LEBS SUMMITT, MISSOURI  
64081

**SHEET DESCRIPTION:**  
ANTENNA ONE-LINE DIAGRAM

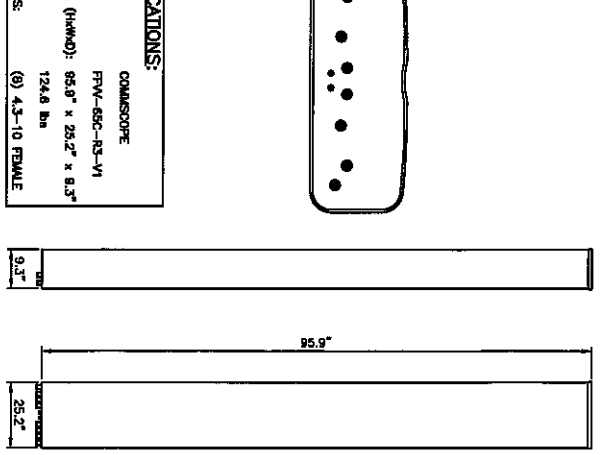
**SHEET #:**  
A-5.0



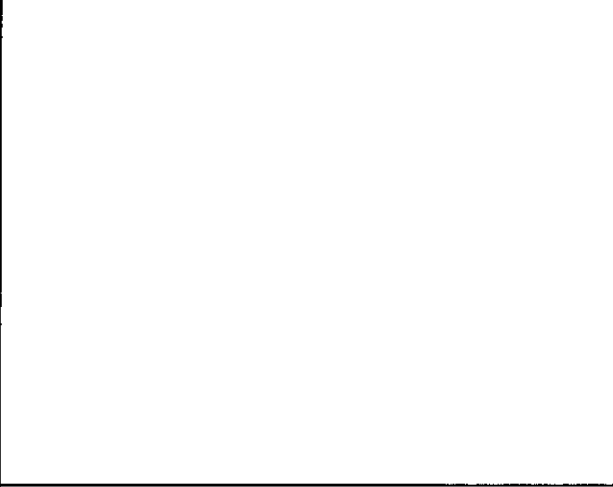
1 AIR TERMINAL MOUNTING



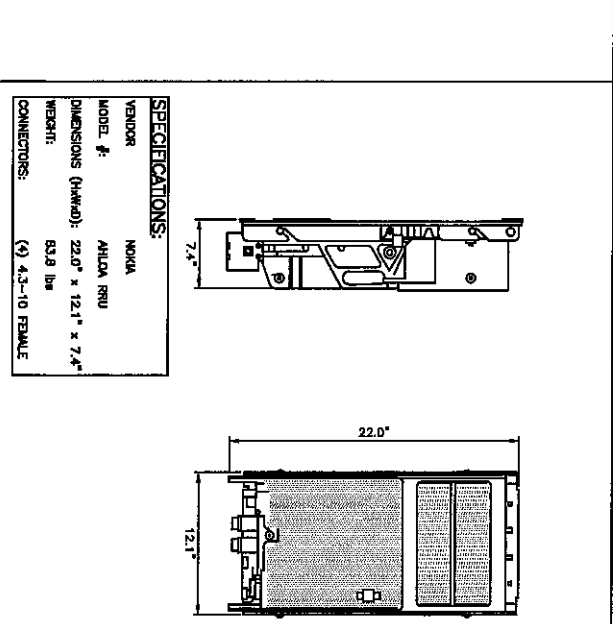
2 MASSIVE MIMO ANTENNA DETAIL



3 OCTO PORT ANTENNA DETAIL



4 AHFIG RRU DETAIL



5 AHLOA RRU DETAIL

<p>ENGINEERING LICENSE</p> <p>STATE OF MISSOURI</p> <p>SHEET DESCRIPTION OF APPROPRIATION</p> <p>DATE</p> <p>BY</p> <p>FOR REVIEW</p> <p>FOR APPROVAL</p> <p>FOR ISSUE</p>	
<p>PLANS PREPARED BY:</p> <p>Mobile</p> <p>SSC</p>	
<p>PLANS PREPARED FOR:</p> <p>PLAN SHEET</p>	
<p>DRIVING NOTICE:</p> <p>THIS DRAWING HAS NOT BEEN FILED AND IS THE SOLE PROPERTY OF THE ENGINEER. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. THE ENGINEER'S PROFESSIONAL SEAL AND SIGNATURE ARE REQUIRED FOR ALL WORK. THE ENGINEER'S SEAL AND SIGNATURE SHALL NOT BE REPRODUCED, COPIED, LENT, OR OTHERWISE USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. OTHER THAN FOR WHICH IT IS ENGINEERED.</p>	
<p>APPLICANT SITE NAME:</p> <p>APPLICANT SITE NUMBER:</p> <p>A5C0226A</p>	<p>SHEET DESCRIPTION:</p> <p>1251 SE RANSON ROAD</p> <p>LEES SUMMIT, MISSOURI</p> <p>64081</p>
<p>EQUIPMENT DETAILS (1 OF 2)</p>	<p>SHEET #:</p> <p>A-6.0</p>

DETAIL NOT USED

6

5

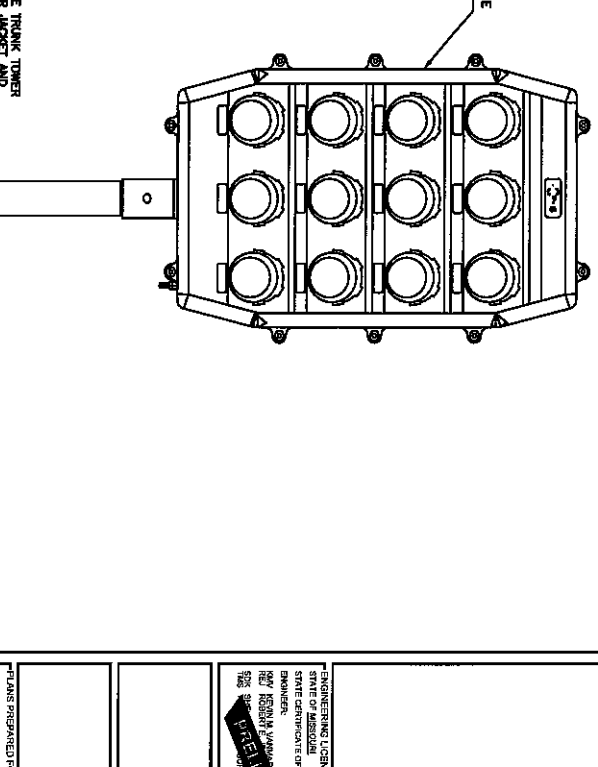
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**NOTE:**  
REFER TO LATEST NSN CONNECTION STANDARDS

JUNCTION BOX WIRING DETAIL

GLASS (QTY 6 EA. 2 - 14 AWG)

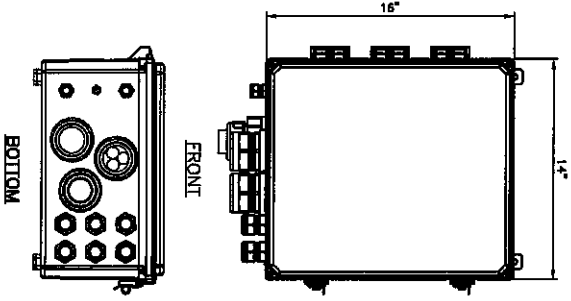
1



**SPECIFICATIONS:**  
RWCP MODEL #: RWCP-5034-RF-48  
DIMENSIONS (HxWxD): 16" x 14" x 8"  
WEIGHT: 21.85 lbs

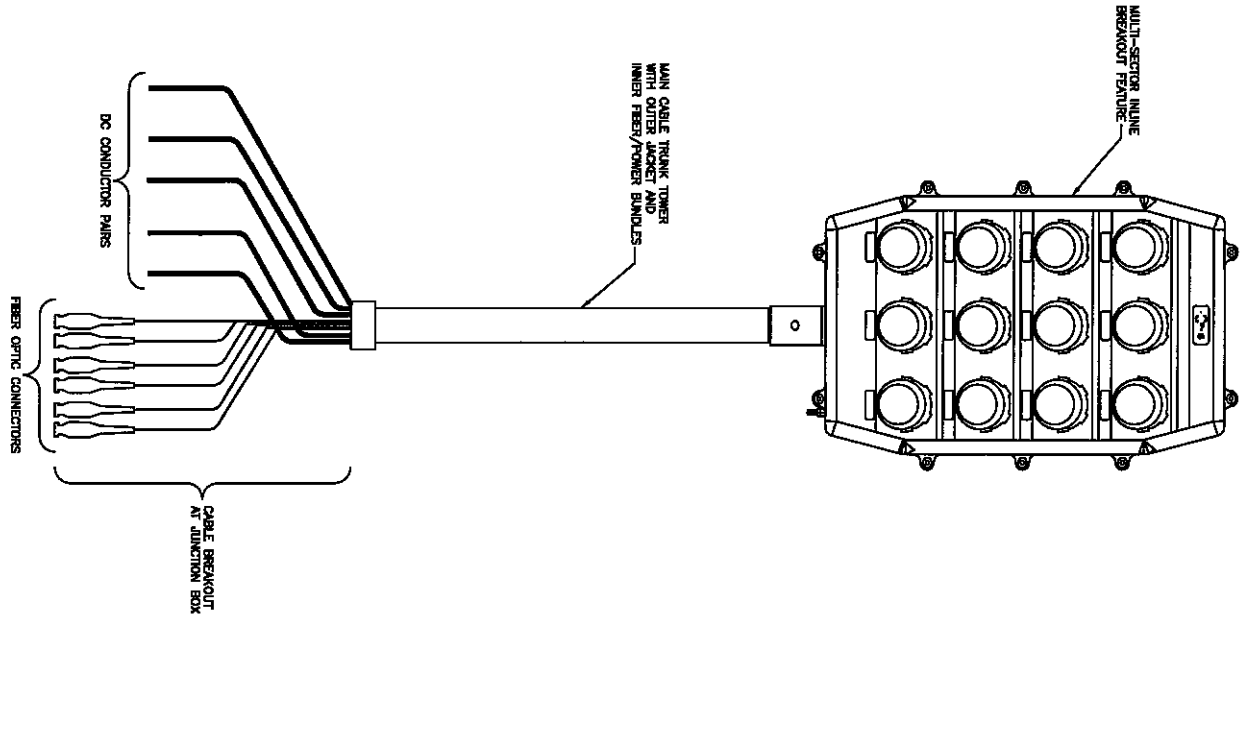
JUNCTION BOX DETAIL

3



FEEDLINE DETAIL

2



**PLANS PREPARED FOR:**

# T-Mobile

**PLANS PREPARED BY:**

**ENGINEERING LICENSE:**  
STATE OF MISSOURI  
STATE DEPARTMENT OF AMPHIBIOUS AND WATERWAYS  
NO. 00000000000000000000  
DATE: 00/00/00  
BY: 00000000000000000000  
FOR: 00000000000000000000

**REVISIONS:**

NO.	DESCRIPTION	DATE	BY	REV
1	ISSUED FOR REVIEW	06/09/21	DGL	A
2	RESUBMITTED FOR REVIEW	06/16/21	DGL	B
3	RESUBMITTED FOR REVIEW	06/16/21	DGL	C

APPLICANT SITE NAME: RANSON ROAD WATER TOWER  
APPLICANT SITE NUMBER: A5C0226A

**DRAWING NOTICE:**  
THIS DRAWING HAS NOT BEEN FILED OR LAMINATED. IT IS THE SOLE RESPONSIBILITY OF THE USER TO FILE THIS DRAWING WITH THE MISSOURI STATE DEPARTMENT OF AMPHIBIOUS AND WATERWAYS IN CONFORMANCE WITH THEIR REGULATIONS. USE ONLY AS SHOWN IN CONFORMANCE WITH THE REGULATIONS. THE DRAWING PROCESS AND THE USER'S RESPONSIBILITY FOR THE DRAWING PROCESS ARE NOT TRANSFERRED TO THE STATE DEPARTMENT OF AMPHIBIOUS AND WATERWAYS BY THE USER'S USE OF THIS DRAWING. THE USER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE USER SHALL BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE USER SHALL BE RESPONSIBLE FOR ANY ERRORS OTHER THAN THOSE WHICH IT'S SUBSCRIBER HAS IDENTIFIED.

**SHEET DESCRIPTION:**  
EQUIPMENT DETAILS  
(2 OF 2)

SHEET #:  
A-6.1

**GENERAL REQUIREMENTS**

**PART 1: GENERAL**

**1.1. METHOD:**

- A. THESE SPECIFICATIONS AND CONSTRUCTION DRAWINGS RESERVE THE RIGHT TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION. PLANS ARE NOT TO BE SCALED.
- B. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY, HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED OR SHOWN IN CONFLICT WITH THE SPECIFICATIONS, IT SHALL BE DONE THE SAME AS IF THE INTENTION OF DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS SPECULATED IN THE CONTRACT.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OF ALL NECESSARY PERMITS AND APPROVALS FOR THE WORK AND FOR OBTAINING ALL NECESSARY DIMENSIONS AND THOSE ON THE DOCUMENTS, ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER OR THEIR AGENT FOR CONSIDERATION.

**1.2. LICENSING REQUIREMENTS:**

- A. THE CONTRACTOR IS RESPONSIBLE FOR PROCUREMENT AND MAINTAINING ALL APPLICABLE LICENSES AND BONDS.

**1.3. STORAGE:**

- A. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION THAT DOES NOT OBSTRUCT THE FLOW OF OTHER WORK. ANY STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.

**1.4. CLEAN UP:**

- A. THE CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH AT ALL TIMES.

**1.5. QUALITY ASSURANCE:**

- A. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

**PART 2: PRODUCTS - NOT APPLICABLE TO THIS SECTION**

**PART 3: EXECUTION - NOT APPLICABLE TO THIS SECTION**

END OF SECTION

**COMMUNICATIONS/ANTENNAS**

**PART 1: GENERAL**

**1.1. WORK INCLUDED:**

- A. ANTENNA AND FEEDLINE CABLES ARE FURNISHED BY OWNER UNDER SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN FIELD OF CONSTRUCTION AND SITE ACCESS. INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ANTENNA AND EQUIPMENT FROM HAZARDOUS EXPOSURE TO OVERHEAD DANGER.
- B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND OWNER SPECIFICATIONS.
- C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
- D. INSTALL FURNISHED GALVANIZED STEEL WAVEGUIDE LADDER AS INDICATED ON DRAWINGS.
- E. THE CONTRACTOR SHALL PROVIDE FREQUENCY DOMAIN REFLECTOMETER (FDR) TEST RESULTS TO THE CONSTRUCTION MANAGER AND OWNER WITHIN ONE WEEK OF COMPLETION.

**1.2. RELATED WORKS:**

- A. FURNISH THE FOLLOWING WORK AS SPECIFIED UNDER CONSTRUCTION DOCUMENTS, BUT COORDINATE WITH OTHER TRADES PRIOR TO BID:
  1. FLASHING OF OPENING INTO OUTSIDE WALLS.
  2. SEAL AND CAULK ALL OPENINGS.
  3. PAINTING.
  4. CUTTING AND PATCHING.
- B. FURNISH UL LISTED EQUIPMENT WHERE SUCH LABEL IS AVAILABLE. INSTALL IN CONFORMANCE WITH UL STANDARDS WHERE APPLICABLE.
- C. ANTENNA AND FEEDLINE CABLES AND TERMINATORS BETWEEN ANTENNAS AND EQUIPMENT SHALL BE PROVIDED BY CONTRACTOR. REPAIRS TO ALL CONNECTORS BETWEEN ANTENNA AND EQUIPMENT SHALL BE PROVIDED BY CONTRACTOR. TERMINATE ALL FEEDLINE CABLE THREE (3) FEET IN EXCESS OF EXACT POINT LOCATION UNLESS OTHERWISE STATED.
- D. ANTENNA AND FEEDLINE CABLE GROUNDING:
  1. ALL FEEDLINE CABLE GROUNDING CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREW CONNECTOR/SPlice WEATHERPROOFING KITS OR APPROVED EQUAL.
  2. ALL FEEDLINE CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF FEEDLINE CABLE (NOT WITHIN BENDS).

**1.3. REQUIREMENTS OF REGULATORY AGENCIES:**

- A. FURNISH UL LISTED EQUIPMENT WHERE SUCH LABEL IS AVAILABLE. INSTALL IN CONFORMANCE WITH UL STANDARDS WHERE APPLICABLE.
- B. INSTALL ANTENNA ANTENNA CABLES AND GROUNDING SYSTEM IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS AND RECOMMENDATIONS OF STATE AND LOCAL BUILDING CODES, AND ANY SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS OF WORK. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
  1. TIA-222 (TELECOMMUNICATIONS INDUSTRY ASSOCIATION) - STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
  2. FAA (FEDERAL AVIATION ADMINISTRATION ADVISORY) - CIRCULAR AC 70/7480-11K, OBSTRUCTION MARKING AND LIGHTING.
  3. FCC (FEDERAL COMMUNICATIONS COMMISSION) - RULES AND REGULATIONS OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES AND HIGH INTENSITY OBSTRUCTION LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES.
  4. ASCE (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
  5. NEC (NATIONAL ELECTRICAL CODE) - FOR TOWER LIGHTING KITS.
  6. UL (UNDERWRITERS LABORATORIES) - APPROVED ELECTRICAL PRODUCTS.
  7. IN ALL CASES, THE FAA RULES AND THE FCC RULES ARE APPLICABLE AND IN THE EVENT OF CONFLICT, SUPERSEDE ANY OTHER STANDARDS OR SPECIFICATIONS.
  8. LIFE SAFETY CODE NFPA, LATEST EDITION.

**PART 2: PRODUCTS - NOT APPLICABLE TO THIS SECTION**

**PART 3: EXECUTION - NOT APPLICABLE TO THIS SECTION**

END OF SECTION

131446

ENGINEERING LICENSE: \_\_\_\_\_  
 STATE OF MISSOURI  
 STATE DEPARTMENT OF AUTOMATIC INSURANCE  
 FOR RENEWAL INFORMATION: SEE DATE  
 FOR RENEWAL INFORMATION: SEE DATE  
 FOR RENEWAL INFORMATION: SEE DATE  
 FOR RENEWAL INFORMATION: SEE DATE  
 FOR RENEWAL INFORMATION: SEE DATE

PLANS PREPARED FOR: \_\_\_\_\_  
 F. Mobile

PLANS PREPARED BY: \_\_\_\_\_  
  
 DRAWING NOTICE: THE DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF THE ENGINEER. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. THE ENGINEER'S PROFESSIONAL LIABILITY INSURANCE POLICY DOES NOT COVER THIS DRAWING. ANY REVISIONS OR CHANGES MUST BE APPROVED BY THE ENGINEER AND INDICATED ON THE DRAWING.

REVISION	DATE	BY	REV
ISSUED FOR REVIEW	06/06/21	DSK	A
RESUBMITTED FOR REVIEW	06/10/21	DSK	B
RESUBMITTED FOR REVIEW	06/10/21	DSK	C

APPLICANT SITE NAME: **RANSON ROAD WATER TOWER**

APPLICANT SITE NUMBER: **A5C02266A**

SITE ADDRESS: **1251 SE RANSON ROAD**  
**LEE'S SUMMIT, MISSOURI**  
**64081**

SHEET DESCRIPTION: **SPECIFICATIONS** SHEET # **SP-1.0**