# dish wireless...

DISH WIRELESS, LLC, SITE ID:

## **MWMKE00182A**

DISH WIRELESS, LLC, SITE ADDRESS:

## 6839 CALDWELL ROAD WATERFORD, WI 53185

#### WISCONSIN CODE 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 AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE BUILDING MECHANICAL

WISCONSIN CBC/2015 IBC W/ WI AMENDMENTS
WISCONSIN CBC/2015 IMC W/ WI AMENDMENTS
WISCONSIN ELECTRICAL CODE/2017 NEC W/ WI AMENDMENTS

	OUEET INDEV
	SHEET INDEX
SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
A-1	OVERALL AND ENLARGED SITE PLAN
A-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE
A-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL ONE-LINE, FAULT CALCS, & PANEL SCHEDULE
G-1	Grounding Plans and Notes
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
RF-1	RF CABLE COLOR CODE
GN-1	LEGEND AND ABBREVIATIONS
GN-1 GN-2	GENERAL NOTES
GN-3	GENERAL NOTES  GENERAL NOTES
GN-4	GENERAL NOTES
GN-4	GENERAL NOTES

## RECEIVED DEC 0 9 2021 RACINE COUNTY

#### 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:
TOWER SCOPE OF WORK:

INSTALL (3) PROPOSED ANTENNA SECTOR FRAME MOUNTS (1 PER SECTOR)
INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
INSTALL (6) PROPOSED RRUB (2 PER SECTOR)

INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
INSTALL (1) PROPOSED HYBRID CABLE (LENGTH: 200'-0")
INSTALL PROPOSED JUMPERS

GROUND SCOPE OF WORKS

GROUND SCOPE OF WORK:

INSTALL (1) PROPOSED METAL PLATFORM

INSTALL (1) PROPOSED ICE BRIDGE

INSTALL (1) PROPOSED CABLE LADDER

INSTALL (1) PROPOSED PPC CABINET

PROPOSED EQUIPMENT CABINET PROPOSED POWER CONDUIT INSTALL ( INSTALL (1

PROPOSED TELCO CONDUIT PROPOSED TELCO-FIBER BOX INSTALL INSTALL (

PROPOSED GPS UNIT

PROPOSED SAFETY SWITCH (IF REQUIRED) INSTALL (

INSTALL (1) PROPOSED CIENA BOX (IF REQUIRED)
INSTALL (1) METER INSIDE EXISTING METER BANK (BY POWER COMPANY)

#### SITE PHOTO





**UNDERGROUND SERVICE ALERT - DIGGERS HOTLINE UTILITY NOTIFICATION CENTER OF WISCONSIN** (800) 242-8511 WWW.DIGGERSHOTLINE.COM

CALL 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTR

#### **GENERAL NOTES**

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL WSIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

#### 11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

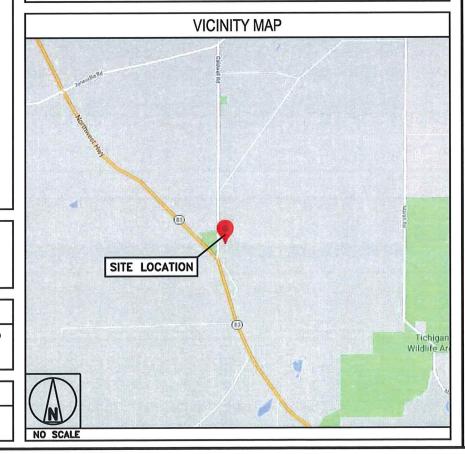
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INF	ORMATION	PROJ	ECT DIRECTORY		
PROPERTY OWNER: ADDRESS:	TBD 6839 CALDWELL ROAD WATERFORD, WI 53185	APPLICANT:	DISH WIRELESS, LLC. 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120		
TOWER TYPE:	SELF-SUPPORT TOWER	TOWER OWNER:	UNITI		
TOWER CO SITE ID:	WMIL2026				
TOWER APP NUMBER:	TBD				
COUNTY:	RACINE	SITE DESIGNER:	FULLERTON ENGINEERING 1100 E WOODFIELD RD., STE 500		
LATITUDE (NAD 83):	42°48°44.6"N 42.812397		SCHAUMBURG, IL 60173 (847) 908-8400		
LONGITUDE (NAD 83):	8816'33.7°W -88.276036				
ZONING JURISDICTION:	WATERFORD TOWNSHIP	SITE ACQUISITION	4: MEGHAN LANIGAN		
ZONING DISTRICT:	TBD	CONSTRUCTION I	MANAGER: ANDREW HILGERSON		
PARCEL NUMBER:	016-04-19-17-001-000				
OCCUPANCY GROUP:	U	RF ENGINEER:	NAVEED SHERWANI		
CONSTRUCTION TYPE:	II-B				
POWER COMPANY:	WE ENERGIES				
TELEPHONE COMPANY:	TBD				

## **DIRECTIONS**

#### DIRECTIONS FROM GENERAL MITCHELL INTERNATIONAL AIRPORT:

HEAD EAST TOWARD ARRIVALS / BAGGAGE CLAIM, USE THE LEFT 2 LANES TO TURN SLIGHTLY LEFT ONTO ARRIVALS / BAGGAGE CLAIM, KEEP LEFT TO CONTINUE ON WHITE WITH ARRIVALS / BAGGAGE CLAIM, KEEP LEFT TO CONTINUE ON WHITE WITH AS SAME WIT



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120

## ULLERTON

1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 www.FullertonEngineering.com



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DEDC DEV		
MS	DZ	DS
DRAWN BY:	CHECKED BY:	APPROVED B

#### CONSTRUCTION **DOCUMENTS**

		SUBMITTALS
REV	DATE	DESCRIPTION
A	08/24/2021	ISSUED FOR REVIEW
В	09/15/2021	ISSUED FOR REVIEW
0	11/09/2021	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER 2021.0030.0096

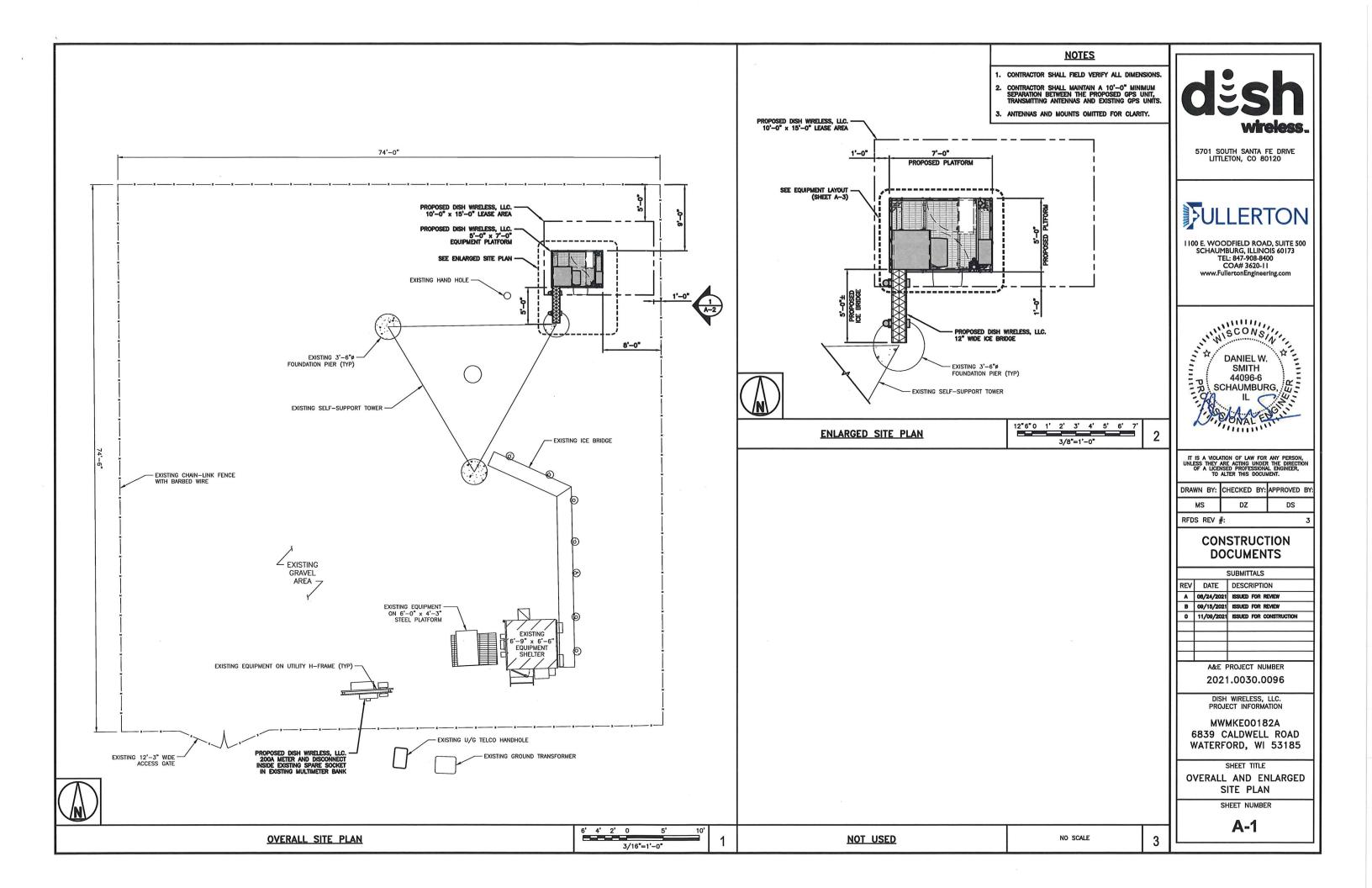
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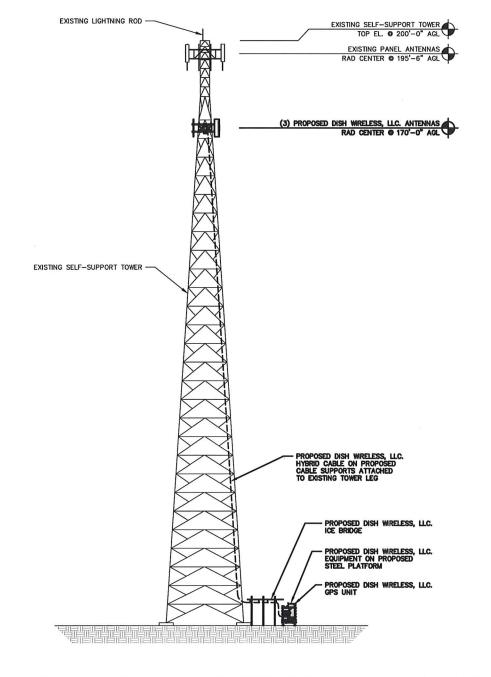
SHEET NUMBER

T-1

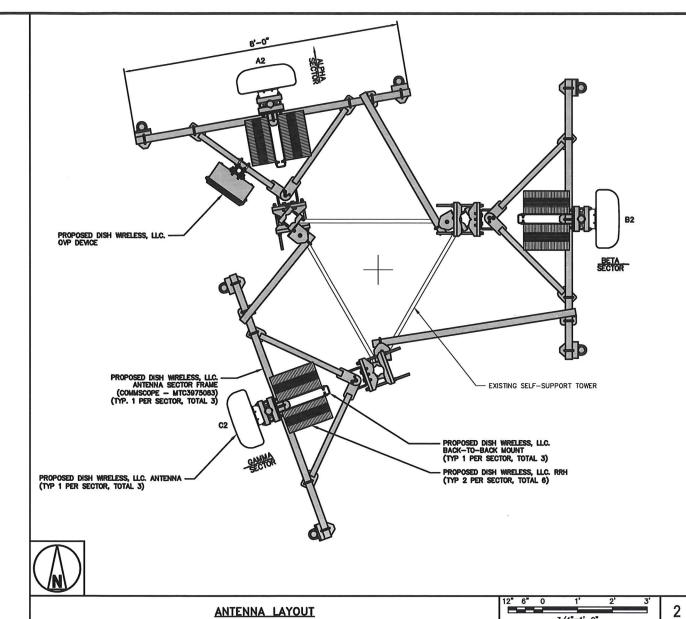




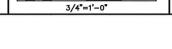
- 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS
- 3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.



PROPOSED EAST ELEVATION



ANTENNA LAYOUT



				AN	TENNA				TRANSMISSION CABLE
SECTOR	POSITION	EXISTING OR PROPOSED	MANUFACTURI NUM		TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A2	PROPOSED	JMA - MXO	4X08FR0665-21 5G 72.0" x 20.0" 350° 170'-0"	(4) 111011 04840170				
BETA	B2	PROPOSED	JMA - MXO	FR0665-21	5G	72.0° x 20.0°	80.	170'-0"	(1) HIGH-CAPACITY HYBRID CABLE (200' LONG)
GAMMA	C2	PROPOSED	JMA - MXO	FR0665-21	5G	72.0° x 20.0°	250°	170'-0"	(200 LONG)
SECTOR	POSITION		RRH		NOTES				
OLUTOR	1 Comor		RER — MODEL MBER	TECHNOLOGY			TO FINAL	CONSTRUC	TION RFDS FOR ALL RF
ALPHA	A2	Fujitsu — 1	TA08025-B604	5G DETAILS.			IE TO FOURDIFFUE		
ALPHA	A2	Fujitsu — 1	TA08025-B605	5G AVAILABIL	AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE REMAIN IN COMPLIANCE WITH THE PROPOSED DESI			T BE APPROVED AND	
BETA	B2	Fujitsu — 1	TA08025-B604	5G	STRUCTURAL ANALYSES.	5G			
DEIA	B2	Fujitsu — 1	TA08025-B605	5G	3. VERIFY	AZIMUTHS WITH	LATEST DIS	SH RFDS PI	RIOR TO INSTALLATION.
GAMMA	C2	Fujitsu — 1	TA08025-B604	5G					
GAMMA	C2	Fujitsu — 1	TA08025-B605	5G					

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5,000	SOURCE SET OF SOURCE	
DRAWN BY:	CHECKED BY:	APPROVED BY:
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RFDS REV	<b>¥</b> :	3

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ELEVATION, ANTENNA LAYOUT AND SCHEDULE

SHEET NUMBER

**A-2** 

16' 12' 8' 4' 0 16' 32' 1/16"=1'-0"

**ANTENNA SCHEDULE** 

NO SCALE

