

DISH WIRELESS, L.L.C. SITE ID: DNDEN00298A

DISH WIRELESS, L.L.C. SITE ADDRESS: 7445 TEMPLETON GAP RD COLORADO SPRINGS, CO 80922

COLORADO - COUNTY OF EL PASO 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:

Table with 2 columns: CODE TYPE, CODE. Includes entries for ELECTRICAL, MECHANICAL, and GENERAL.

SHEET INDEX

Table with 2 columns: SHEET NO., SHEET TITLE. Lists sheets T-1 through GN-4.

Approved

By: Craig Dossey, Executive Director

Date: 03/14/2022

El Paso County Planning & Community Development



SCOPE OF WORK

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

- TOWER SCOPE OF WORK:
- INSTALL (1) PROPOSED METAL PLATFORM
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TOWER LIGHTING
- INSTALL (1) PROPOSED TOWER FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)
- INSTALL (1) PROPOSED 200A METER AND METER SOCKET

- GROUND SCOPE OF WORK:
- INSTALL (1) PROPOSED METAL PLATFORM
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TOWER LIGHTING
- INSTALL (1) PROPOSED TOWER FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)
- INSTALL (1) PROPOSED 200A METER AND METER SOCKET

SITE PHOTO



UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF COLORADO
(800) 922-4887
WWW.COLORADOOR11.ORG
CALL 2 WORKING DAYS AHEAD. INSTRUCTIONS REFER TO CONSTRUCTION

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON THE ENVIRONMENT. THE PROJECT WILL NOT REQUIRE THE REMOVAL OF ANY STRUCTURES OR UTILITIES. THE PROJECT WILL NOT REQUIRE THE REMOVAL OF ANY STRUCTURES OR UTILITIES. THE PROJECT WILL NOT REQUIRE THE REMOVAL OF ANY STRUCTURES OR UTILITIES.

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 OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INFORMATION

PROPERTY OWNER: SCHUBERT RICHARD J
ADDRESS: 7415 TEMPLETON GAP RD
COLORADO SPRINGS, CO 80923
TOWER TYPE: MONOPOLE
TOWER CO SITE ID: 877055
TOWER APP NUMBER: 551495
COUNTY: EL PASO
LATITUDE (NAD 83): 39° 56' 19.60" N
LONGITUDE (NAD 83): 104° 42' 07.80" W
ZONING JURISDICTION: COUNTY OF EL PASO
ZONING DISTRICT: A-5 CAD-O
PARCEL NUMBER: 5307001021
OCCUPANCY GROUP: U
CONSTRUCTION TYPE: V-B
POWER COMPANY: MOUNTAIN VIEW ELECTRIC
TELEPHONE COMPANY: ZNO

PROJECT DIRECTORY

APPLICANT: DISH WIRELESS, L.L.C.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
(877) 486-3377
SITE DESIGNER: TOWER ENGINEERING PROFESSIONALS
326 TRYON RD.
RALEIGH, NC 27603
(919) 661-6351
SITE ACQUISITION: ANDREW MAGOON
(602) 845-1783
ANDREW MAGOON@CROWNCASTLE.COM
CONSTRUCTION MANAGER: SCOTT TOMLINSON
(720)-788-6855
SCOTT.TOMLINSON@DISH.COM
RF ENGINEER: ROBERT CARSTAN
(303) 706-5864
ROBERT.CARSTAN@DISH.COM

DIRECTIONS

DIRECTIONS FROM COLORADO SPRINGS AIRPORT:
HEAD NORTH ON MILTON E PROBY PKWY. KEEP LEFT TO CONTINUE ON MILTON E PROBY PARKWAY AIRPORT EXT. USE ANY LANE TO TURN SLIGHTLY LEFT ONTO MILTON E PROBY PKWY. TURN RIGHT ONTO CO-21 N. CONTINUE ON CO-21 N. TURN LEFT ONTO TEMPLETON GAP RD. CONTINUE ONTO CO-21 N. AT THE ROUNDABOUT ONLY BE LEFT ONTO TEMPLETON GAP RD. CONTINUE ONTO CO-21 N. AT THE ROUNDABOUT ONLY BE LEFT ONTO TEMPLETON GAP RD. TURN RIGHT TO STAY ON TEMPLETON GAP RD. DESTINATION WILL BE ON THE RIGHT.

VICINITY MAP



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



TOWER ENGINEERING PROFESSIONALS
326 TRYON RD.
RALEIGH, NC 27603
OFFICE: (919) 661-6351



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.
03/06/21, 2022

Table with 2 columns: DRAWN BY, CHECKED BY, APPROVED BY. Includes names KAS, OVM, JTC, TBO.

CONSTRUCTION DOCUMENTS

Table with 2 columns: REV, DATE, DESCRIPTION. Lists revisions A through 2.

AAE PROJECT NUMBER: 65812.274771

DISH WIRELESS, L.L.C.
PROJECT INFORMATION
DNDEN00298A
CO-CCI-T-877055
7445 TEMPLETON GAP RD
COLORADO SPRINGS, CO 80922

SHEET TITLE: T-1

SHEET NUMBER: T-1



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



TOWER ENGINEERING PROFESSIONALS  
326 TRIXON RD., RALEIGH, NC 27603  
OFFICE: (919) 861-6351



03/26/21, 2021  
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DRAWN BY: CHECKED BY: APPROVED BY:  
KAS GVM JTC  
RFD

**CONSTRUCTION DOCUMENTS**

REV	DATE	DESCRIPTION
A	06-07-21	PRELIMINARY
B	07-01-21	PRELIMINARY
0	07-07-21	CONSTRUCTION
1	08-02-21	CONSTRUCTION
2	10-21-21	CONSTRUCTION

AE&E PROJECT NUMBER  
**65812.274771**

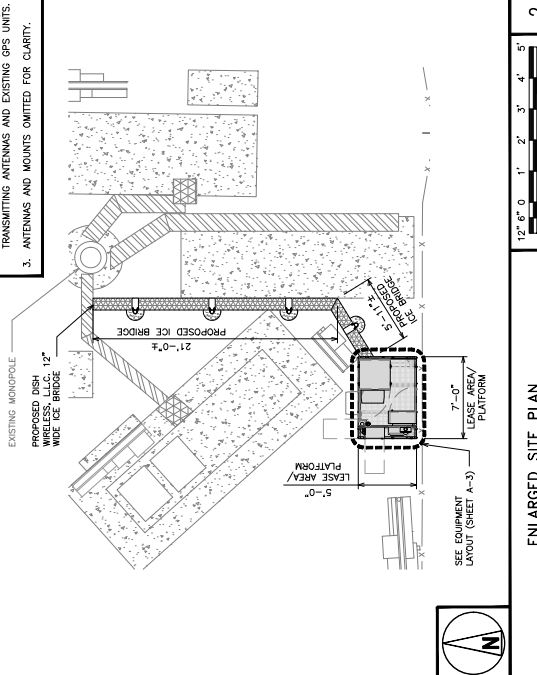
DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
DNDEN00298A  
CO-CCI-T-877055  
7445 TEMPLETON GAP RD  
COLORADO SPRINGS,  
CO 80922

SHEET TITLE  
**OVERALL AND ENLARGED  
SITE PLAN**

SHEET NUMBER  
**A-1**

**NOTES**

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM CLEARANCE FROM ALL EXISTING TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



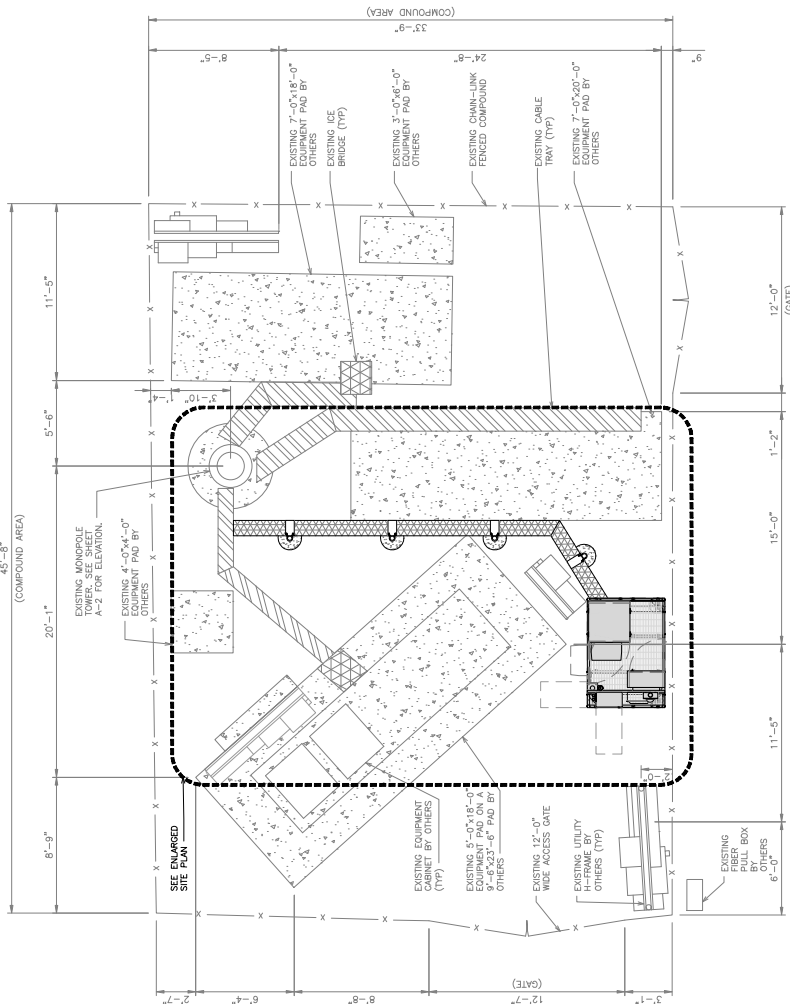
**ENLARGED SITE PLAN**

1/2" = 1'-0"  
1' 2" 3" 4" 5"



**NOTES**

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
3. THE TOWER IS LOCATED IN ZONE "X". AREAS OUTLINED IN RED ARE SUBJECT TO ANNUAL CHANCE FLOOD HAZARD ZONING. SEE ANNUAL COMMUNITY PANEL #0604100296, DATED DECEMBER 7, 2018.



**OVERALL SITE PLAN**

1/4" = 1'-0"  
4' 2' 0' 4' 8'



**UTILITY PLAN**

NO SCALE



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LITTLETON, CO 80120



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03.06.21.2021  
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DRAWN BY: [blank] CHECKED BY: APPROVED BY: [blank]  
KAS [blank] OVM [blank] JTC [blank]

RFDS REV # [blank] TBD

CONSTRUCTION DOCUMENTS

SUBMITTALS

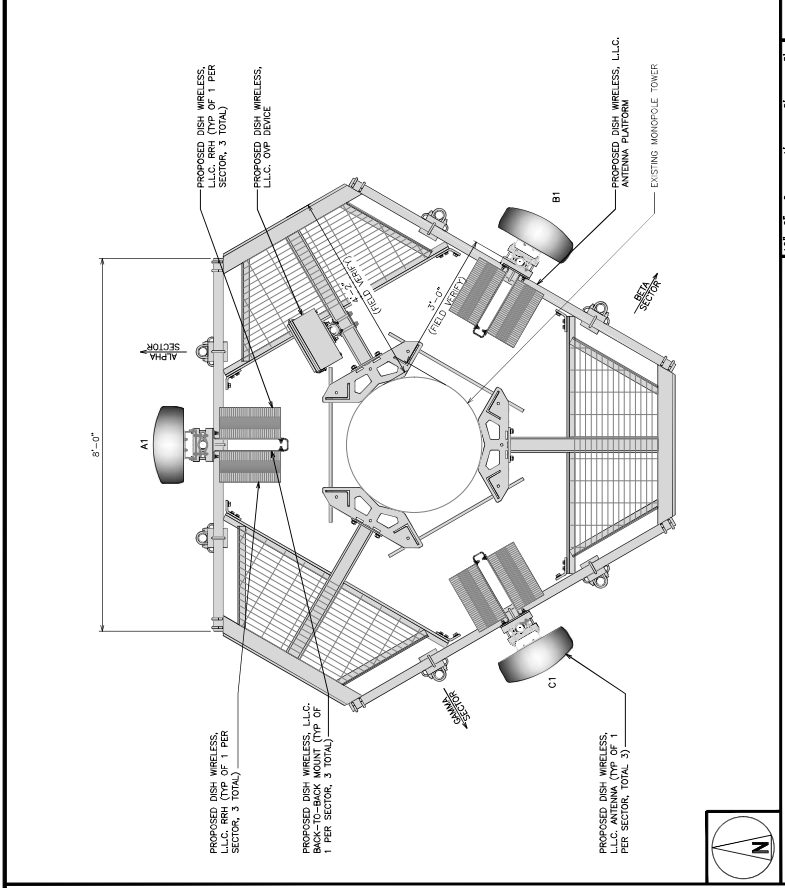
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DISH WIRELESS, LLC.  
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DNDEN00298A  
CO-CCI-T-877055  
7445 TEMPLETON GAP RD  
COLORADO SPRINGS,  
CO 80922

SHEET TITLE  
ELEVATION, ANTENNA  
LAYOUT AND SCHEDULE

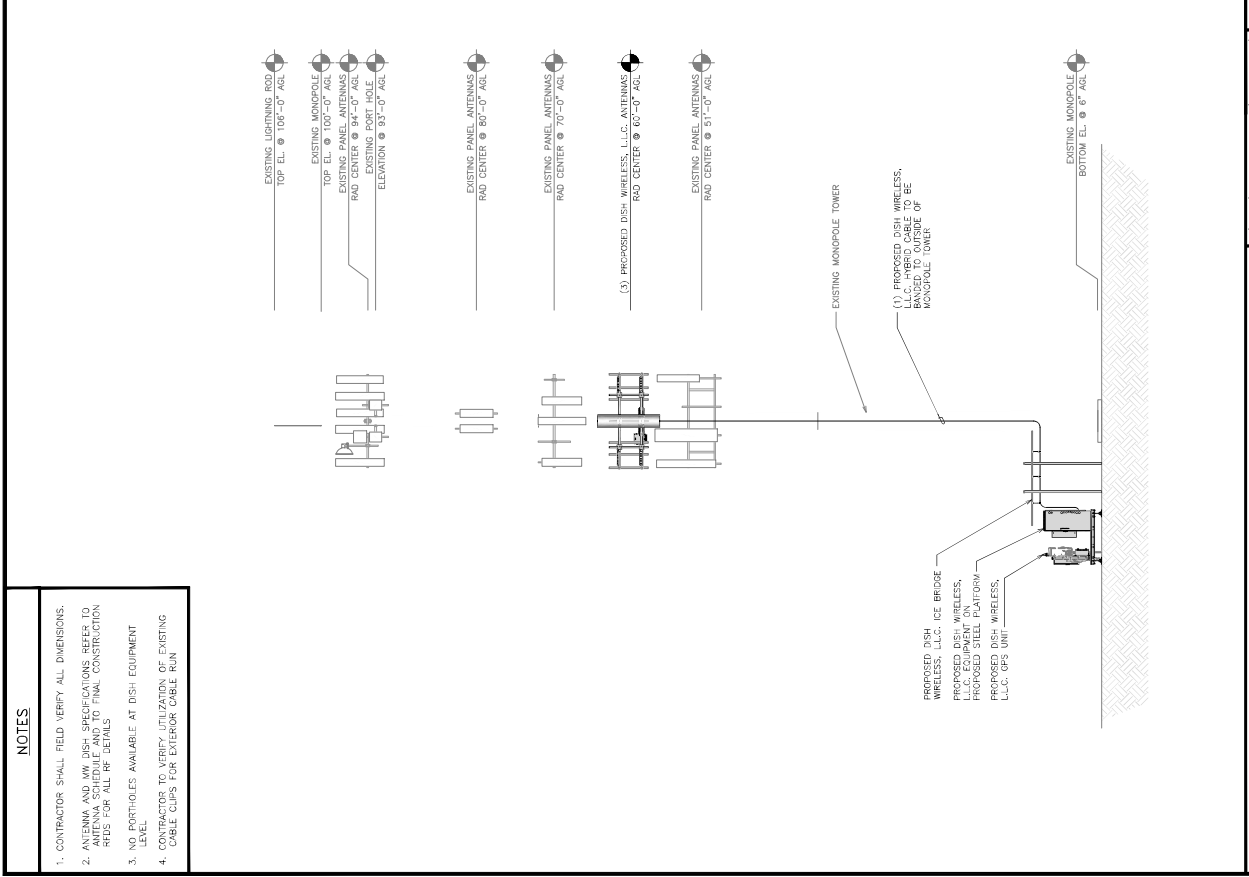
SHEET NUMBER  
**A-2**



ANTENNA LAYOUT

SECTOR	POSITION	EXISTING OR PROPOSED	MANUFACTURER	MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH	TRANSMISSION CABLE
ALPHA	A1	PROPOSED	JMA WIRELESS	MA08FR665-21	5G	72.0" x 20.0"	0°	60'-0"	(1) 100% POLARITY WIRELESS CABLE (120" LONG)	
	B1	PROPOSED	JMA WIRELESS	MA08FR665-21	5G	72.0" x 20.0"	120°	60'-0"		
	C1	PROPOSED	JMA WIRELESS	MA08FR665-21	5G	72.0" x 20.0"	240°	60'-0"		
BETA	B1	PROPOSED	FUJITSU	TMR6225-BR04	5G					
	B1	PROPOSED	FUJITSU	TMR6225-BR04	5G					
	B1	PROPOSED	FUJITSU	TMR6225-BR04	5G					
GAMMA	C1	PROPOSED	FUJITSU	TMR6225-BR04	5G					
	C1	PROPOSED	FUJITSU	TMR6225-BR04	5G					
	C1	PROPOSED	FUJITSU	TMR6225-BR04	5G					

NOTES  
1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.  
2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. CONTRACTOR TO VERIFY ALL MODELS REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.



PROPOSED SOUTH ELEVATION

- NOTES
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
  - ANTENNA AND RRH DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
  - NO PORTHOLES AVAILABLE AT DISH EQUIPMENT LEVEL.
  - CONTRACTOR TO VERIFY UTILIZATION OF EXISTING CABLE CLIPS FOR EXTERIOR CABLE RUN

- EXISTING LIGHTNING ROD TOP EL. @ 106'-0" AGL
- EXISTING MONOPOLE TOP EL. @ 100'-0" AGL
- EXISTING MONOPOLE BOTTOM EL. @ 6'-0" AGL
- EXISTING PORT HOLE RAD CENTER @ 94'-0" AGL
- EXISTING PORT HOLE ELEVATION @ 93'-0" AGL
- EXISTING PANEL ANTENNAS RAD CENTER @ 80'-0" AGL
- EXISTING PANEL ANTENNAS RAD CENTER @ 70'-0" AGL
- EXISTING PANEL ANTENNAS RAD CENTER @ 60'-0" AGL
- EXISTING PANEL ANTENNAS RAD CENTER @ 51'-0" AGL
- EXISTING MONOPOLE TOWER
- (1) PROPOSED DISH WIRELESS, LLC. HYBRID CABLE TO BE MONOPOLE TOWER
- PROPOSED DISH WIRELESS, LLC. ICE BRIDGE
- PROPOSED DISH WIRELESS, LLC. PROPOSED STEEL PLATFORM
- PROPOSED DISH WIRELESS, LLC. GPS UNIT
- EXISTING MONOPOLE BOTTOM EL. @ 6' AGL