



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:

- CODE TYPE: ELECTRICAL
2018 UIC
MECHANICAL
2017 NEC

SHEET INDEX

Table with 2 columns: SHEET NO., SHEET TITLE. Rows include 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 CALC. & PANEL SCHEDULE), G-1 (GROUNDING PLANS AND NOTES), G-2 (GROUNDING DETAILS), G-3 (GROUNDING DETAILS), RF-1 (RF CABLE COLOR CODE), RF-2 (RF PLUMBING DIAGRAM), GN-1 (LEGEND AND ABBREVIATIONS), GN-2 (GENERAL NOTES), GN-3 (GENERAL NOTES), GN-4 (GENERAL NOTES).

PROJECT DIRECTORY and SITE INFORMATION sections. Includes applicant (DISH WIRELESS, L.L.C.), tower owner (CROWN CASTLE), site designer (TOWER ENGINEERING PROFESSIONALS), and various technical details like latitude, longitude, and zoning.

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, GO BEHIND THE ROUNDABOUT, TURN LEFT ONTO TEMPLETON GAP RD. CONTINUE ONTO CO-21 N. AT THE ROUNDABOUT, GO BEHIND THE ROUNDABOUT, TURN RIGHT TO STAY ON TEMPLETON GAP RD. DESTINATION WILL BE ON THE RIGHT.



- 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 PROTECTION DEVICE (TPD)
- INSTALL (1) PROPOSED HYBRID CABLE
- INSTALL (1) PROPOSED JUMPERS
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 PROTECTION DEVICE (TPD)
- INSTALL (1) PROPOSED HYBRID CABLE
- INSTALL (1) PROPOSED JUMPERS
- INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)
- INSTALL (1) PROPOSED 200A METER AND METER SOCKET



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 ANY SPECIAL SERVICE, POLE, OR TRUCK DISPOSAL IS REQUIRED AND NO COMMERCIAL STORAGE 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 OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



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

CONSTRUCTION DOCUMENTS table with columns for REV, DATE, DESCRIPTION, and SUBMITTALS. Includes project number 65812.274771 and project information (DISH WIRELESS, L.L.C., DNDEN00298A).



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

DRAWN BY: CHECKED BY: APPROVED BY:  
KAS GVM JTC

RFDS REV #:

CONSTRUCTION DOCUMENTS

REVISIONS

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

AAE PROJECT NUMBER  
65812.274771

DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
DNDEN00298A

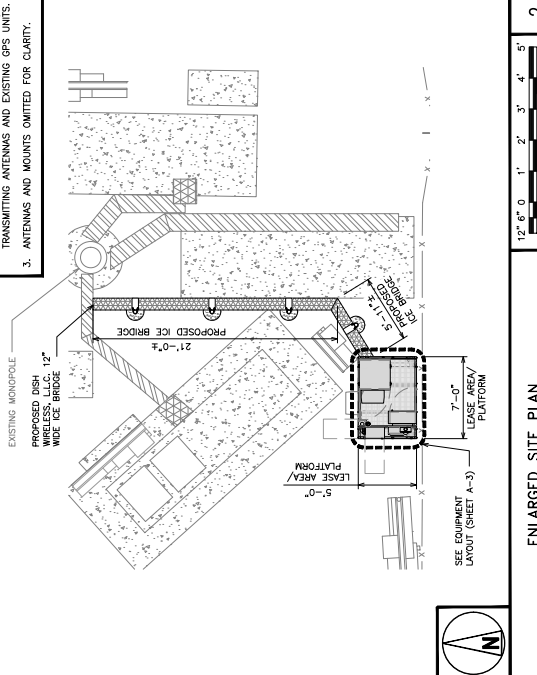
CO-CCI-T-877055  
7445 TEMPLETON GAP RD  
COLORADO SPRINGS,  
CO 80922

SHEET TITLE  
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.



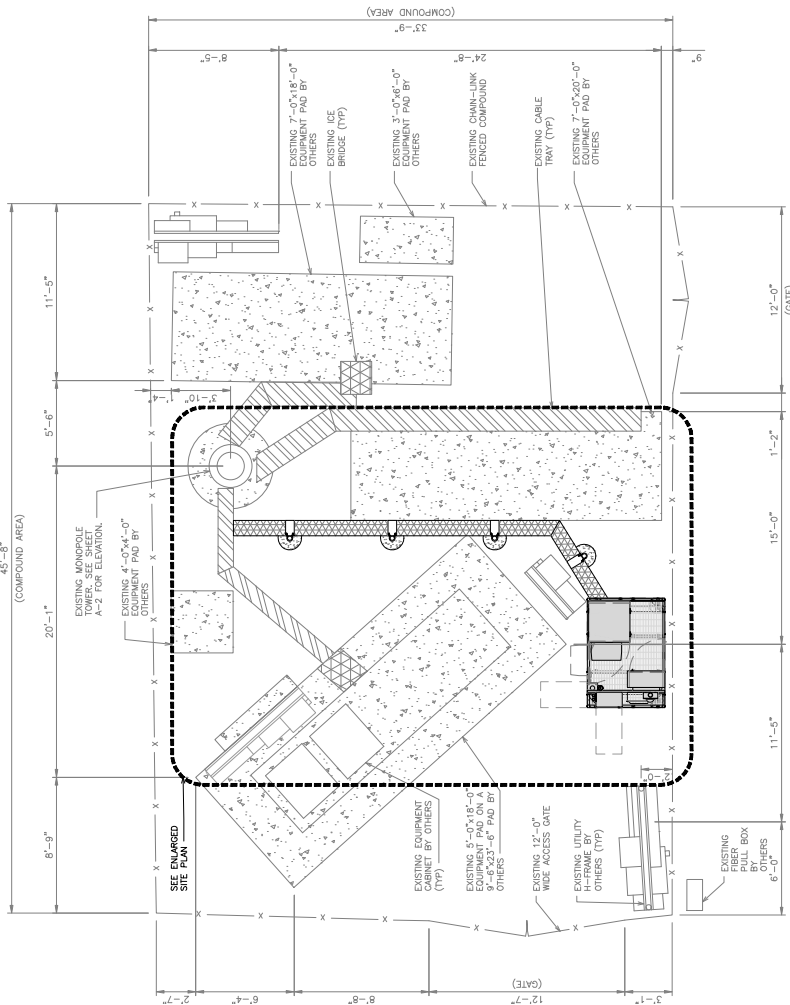
ENLARGED SITE PLAN

1/2" = 1'-0"



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"



UTILITY PLAN

NO SCALE



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



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



03.06.21.2021  
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.

DRAWN BY: [ ] CHECKED BY: APPROVED BY: [ ]  
KAS OVM JTC  
RFDS REV #:

TBD

CONSTRUCTION DOCUMENTS

SUBMITTALS

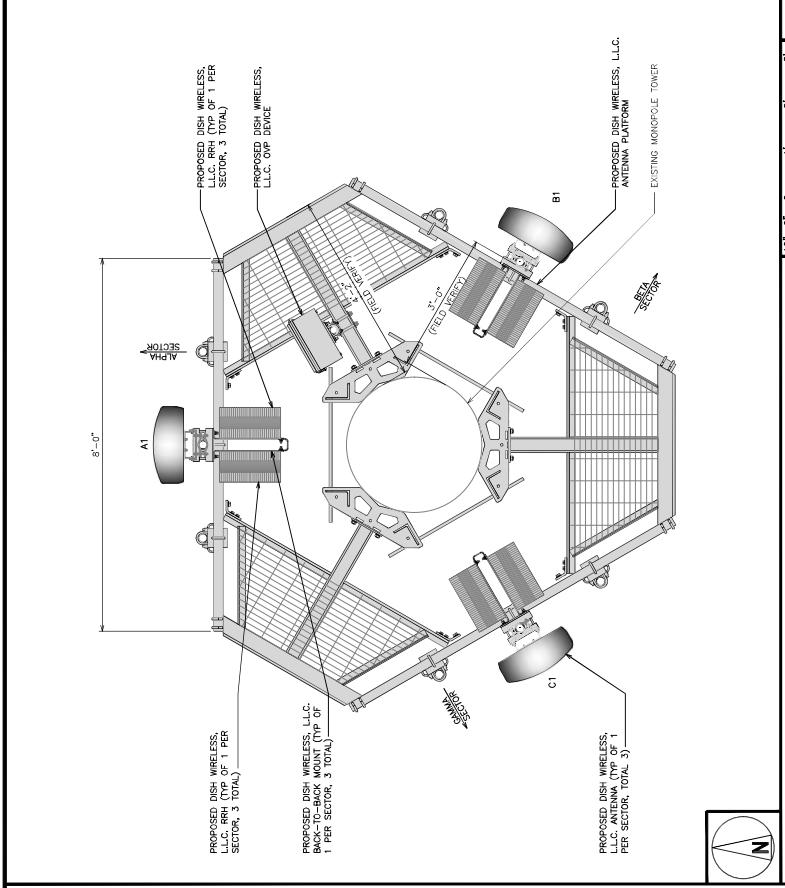
REV	DATE	DESCRIPTION
A	06-07-21	PRELIMINARY
B	07-01-21	PRELIMINARY
C	07-07-21	CONSTRUCTION
D	08-02-21	CONSTRUCTION
E	10-21-21	CONSTRUCTION

AAE PROJECT NUMBER  
**65812.274771**

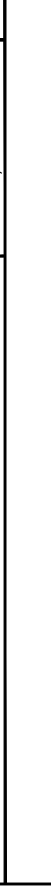
DISH WIRELESS, LLC.  
PROJECT INFORMATION  
DNDEN00298A  
CO-CCI-T-877055  
7445 TEMPLETON GAP RD  
COLORADO SPRINGS,  
CO 80922

SHEET TITLE  
ELEVATION, ANTENNA  
LAYOUT AND SCHEDULE

SHEET NUMBER  
**A-2**



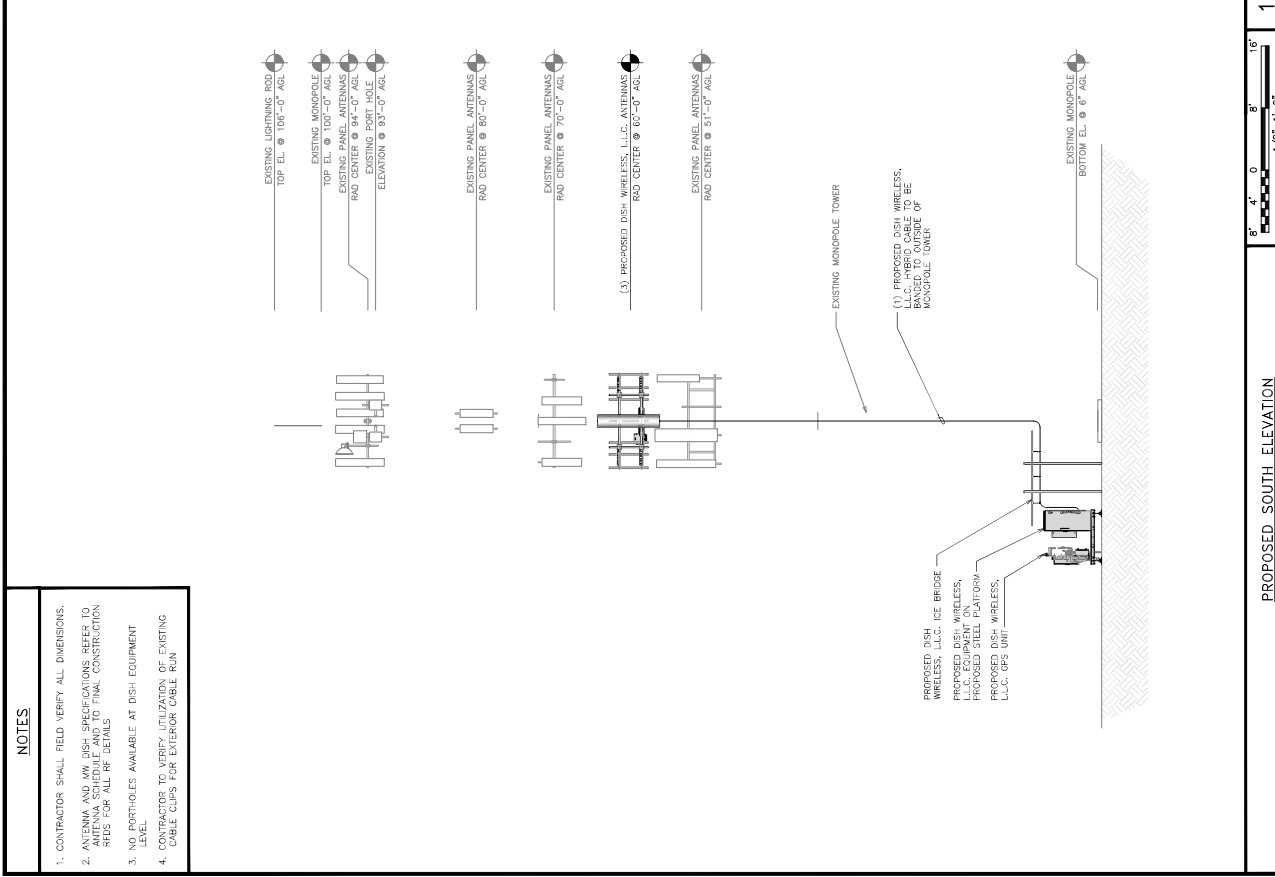
ANTENNA LAYOUT



SECTOR	POSITION	EXISTING OR PROPOSED	MANUFACTURER	MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	FEED LINE TYPE AND LENGTH	TRANSMISSION CABLE
ALPHA	A1	PROPOSED	JMA WIRELESS	MA08FR665-21	5G	72.0" x 20.0"	60'-0"	(1) 100% POLARIZATION WIRELESS CABLE (120" LONG)
	B1	PROPOSED	JMA WIRELESS	MA08FR665-21	5G	72.0" x 20.0"	60'-0"	
	C1	PROPOSED	JMA WIRELESS	MA08FR665-21	5G	72.0" x 20.0"	60'-0"	
BETA	B1	PROPOSED	FUJITSU	TM6R225-BR04	5G	72.0" x 20.0"	60'-0"	(1) 100% POLARIZATION WIRELESS CABLE (120" LONG)
	B1	PROPOSED	FUJITSU	TM6R225-BR04	5G	72.0" x 20.0"	60'-0"	
	C1	PROPOSED	FUJITSU	TM6R225-BR04	5G	72.0" x 20.0"	60'-0"	
GAMMA	B1	PROPOSED	FUJITSU	TM6R225-BR04	5G	72.0" x 20.0"	60'-0"	(1) 100% POLARIZATION WIRELESS CABLE (120" LONG)
	B1	PROPOSED	FUJITSU	TM6R225-BR04	5G	72.0" x 20.0"	60'-0"	
	C1	PROPOSED	FUJITSU	TM6R225-BR04	5G	72.0" x 20.0"	60'-0"	

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.

ANTENNA SCHEDULE



PROPOSED SOUTH ELEVATION



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