FIRST AMENDMENT TO LICENSE AGREEMENT

THIS FIRST AN	MENDMENT TO I	LICENSE AGREEMENT (the "First Amendment") is
made effective this	_ day of	, 2024 ("Effective Date"), by and between CITY
OF POMONA, a Califo	rnia charter city (he	ereinafter referred to as "Licensor") and CCTM1 LLC
a Delaware limited liabi	lity company (here	inafter referred to as "Licensee").

RECITALS

WHEREAS, Licensor, as successor-in-interest to original lessor Gene Stalians, Trustee of the Gene Stalians 1989 Trust for the benefit of Gene Stalians and SBC Tower Holdings LLC, a Delaware limited liability company, successor in interest to Pacific Bell Mobile Services, a California corporation, are parties to that certain Communications Site Lease Agreement dated October 10, 1995, which inter alia permits Licensee's use and occupancy of the original 136.5 square foot premises therein defined ("Original Premises") and will expire forever with no further renewal terms on July 8, 2026 ("Original Lease").

WHEREAS, Licensor and Licensee entered into a License Agreement dated June 21, 2019 (the "License") whereby Licensee leased certain real property, together with access and utility easements, located in Los Angeles County, California from Licensor (the "Premises"), all located within certain real property owned by Licensor ("Licensor's Property").

WHEREAS, in accordance with Section 21 of the License, the License is subject to the Original Lease until terminated or expired with respect to the Original Premises alone.

WHEREAS, the Premises may be used for the purpose of constructing, maintaining and operating a communications facility, including tower structures, equipment shelters, cabinets, meter boards, utilities, antennas, equipment, any related improvements and structures and uses incidental thereto.

WHEREAS, the License has a thirty-one (31) year term that commenced on June 21, 2019 and expires forever with no renewal options available on June 20, 2050.

WHEREAS, Licensee seeks to sublicense a portion of the Premises to Dish Wireless, LLC ("Dish"), having a primary place of business of 9601 S Meridian Blvd, Englewood, CO 80112, in order to allow Dish to collocate its facilities for the provision of wireless communications services upon the Premises.

WHEREAS, Licensee and Dish have entered into that certain Site License Agreement which permits Dish's use and occupancy of the Premises and Licensee's Facilities ("Dish Sublicense").

WHEREAS, Licensor and Licensee desire to amend the Licensee to permit Licensee's expansion of the Premises, modification to Licensee's Facilities, and Licensee's sublicense to Dish, among other changes on the terms and conditions contained herein.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are acknowledged, Licensor and Licensee agree as follows:

Site Name: TMT LA207 LA-207-10

- 1. <u>Recitals; Defined Terms</u>. The parties acknowledge the accuracy of the foregoing recitals. Any capitalized terms not defined herein shall have the meanings ascribed to them in the License.
- 2. <u>Notice to Sublicense</u>. In accordance with Section 16 of the License, Licensee hereby provides notice to Licensor of the Dish Sublicense for its use of a portion of the Premises, as expanded, for purposes of installation, maintenance and replacement of equipment, antennas, cables, fiber, and related accessories on the Premises ("Dish Facilities") for the operation of a wireless communications facility thereon.
- 3. <u>First Additional Premises</u>. Licensor and Licensee hereby acknowledge and agree that Licensee has partially exercised the Expansion Option set forth in Section 1(b) of the License. Accordingly, Licensor and Licensee agree that the Premises is hereby expanded in size to include an additional seventy-two (72) square foot parcel of real property adjacent to the existing Premises at a location more particularly described on <u>Exhibit A</u> attached hereto and shown on the Site Plan attached hereto as <u>Exhibit B</u> (the "First Additional Premises"). The Premises, as expanded by the First Additional Premises, is described on <u>Exhibit A</u> attached hereto. Licensor and Licensee agree that the Expansion Option remains in full force and effect as to the remaining four hundred twenty-eight (428) square feet granted thereby. Notwithstanding anything to the contrary in this First Amendment, Licensee is not relinquishing any rights to any lease or licensed area, access easements, and/or utility easements that it possesses prior to the date of this First Amendment.
- 4. <u>Modification of Premises</u>. As of the Effective Date of this First Amendment, the Premises shall consist of the Original Premises in addition to the First Additional Premises, as more particularly described in Exhibit B attached hereto and incorporated herein.
- 5. <u>Consent to Modification of Licensee's Facilities</u>. As of the Effective Date of this First Amendment, Licensor consents to Licensee's proposed modification of Licensee's Facilities as specifically described and depicted in <u>Exhibit C</u>.
- 6. <u>Sublicense Fee</u>. In consideration of the First Additional Premises, Licensee shall pay to Licensor the Future Sublicense Fee consisting of fifty percent (50%) of all recurring rental, license or similar payments actually received by Licensee from such Dish within thirty (30) days after receipt of said payments by Licensee in accordance with Section 1(c) of the License.
- 7. Right to Return the First Additional Premises. In the event the Dish Sublicense has terminated or expired, Licensee shall have the option, upon thirty (30) days prior written notice to Licensor, in its sole and absolute discretion, to return the First Additional Premises to the Licensor and to terminate the license of the same by removing all improvements from the First Additional Premises and returning same to its condition as of the Effective Date of this First Amendment, ordinary wear and tear excepted (the "Return of the First Additional Premises"). Effective upon Licensor's reasonable confirmation in writing that Licensee has successfully removed all improvements from the First Additional Premises, any Future Sublicense Fee associated with the First Additional Premises shall no longer be due and payable.
- 8. Operation of the Dish Facilities. Licensee and Dish shall be solely responsible for the maintenance and operation of the Dish Facilities in a safe manner and condition. Licensee hereby acknowledges and agrees that as of the Effective Date of this First Amendment,

Site Name: TMT LA207 LA-207-10

the Dish Facilities shall be considered a portion of Licensee's Facilities, and shall be subject to the requirements of the Original Lease, License, this First Amendment, and all other applicable laws.

- 9. Governmental Approvals. All parties acknowledge that Licensor, in executing this First Amendment, is acting only in its proprietary capacity as the owner of Licensor's Property and Premises, and not in any regulatory fashion. Licensee shall not consider this First Amendment as approval of any applicable permits, licenses or other governmental approvals required for the construction or operation needed for the use described herein. Any required permits or approvals for the Dish Facilities shall be obtained by Licensee or Dish at Dish's or Licensee's sole expense. Furthermore, it is understood and agreed that Licensee's and Dish's ability to install the Dish Facilities is contingent upon its obtaining, prior to construction of the Dish Facilities, all of the certificates, permits, authorizations, and other approvals that may be required by any federal, state, or local authorities (collectively, the "Governmental Approvals"; individually, a "Governmental Approval"). Licensor shall bear no responsibility or liability under the License and this First Amendment for Licensee's or Dish's inability to make use of the Premises for the Dish Facilities due to a failure to obtain any required permit, authorization, or approval.
- 10. <u>Administration Fee.</u> Within fourteen (14) days following the Effective Date, Licensee will tender to Licensor a one-time administrative fee in the amount of two thousand five hundred dollars (\$2,500) for the purposes of processing this First Amendment.
- 11. <u>Representations, Warranties and Covenants of Licensor</u>. Licensor represents, warrants and covenants to Licensee that Licensor is duly authorized to and has the full power and authority to enter into this First Amendment and to perform all of Licensor's obligations under the License as amended hereby.
- 12. <u>Representations, Warranties and Covenants of Licensee</u>. Licensee represents, warrants and covenants to Licensor that Licensee is duly authorized to and has the full power and authority to enter into this First Amendment and to perform all of Licensee's obligations under the License as amended hereby.
- 13. <u>Counterparts</u>. This First Amendment may be executed in separate and multiple counterparts, each of which shall be deemed an original but all of which taken together shall be deemed to constitute one and the same instrument.
- 14. <u>Remainder of License Unaffected</u>. In all other respects, the remainder of the License shall remain in full force and effect. Any portion of the License that is inconsistent with this First Amendment is hereby amended to be consistent.
- 15. <u>Recordation</u>. Licensee, at its cost and expense, shall have the right to record a memorandum of this First Amendment, in a form approved in writing in advance by Licensor in the official records of Los Angeles County, California at any time following the execution of this First Amendment by all parties hereto.

[Signature pages follow]

Site Name: TMT LA207 LA-207-10

Licensor and Licensee have caused this First Amendment to be duly executed on the day and year first written above.

LICENSOR:

CITY OF POMONA, a Ca	llifornia charter city
By:	
Print Name:	
Title:	
Licensor affirms that this F	First Amendment
was approved at a duly not	ciced public
meeting held on	2024

[Licensee Execution Page Follows]

Site Name: TMT LA207 LA-207-10

Business Unit #: 828491

This First Amendment is executed by Licensee as of the date first written above.

LICENSEE: CCTM1 LLC, a Delaware limited liability company
By:
Print Name:
Title:

Site Name: TMT LA207 LA-207-10

Business Unit #: 828491

Exhibit A (Legal Description of Premises as Expanded and First Additional Premises)

[see attached]

EC1-2024

ACCESS & UTILITY EASEMENT 1

LEGAL DESCRIPTION

A PORTION OF LOT 2 OF TRACT 63, IN THE CITY OF POMONA, COUNTY OF LOS ANGELES, CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 13, PAGE 86, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID LOT 2, THENCE ALONG THE EASTERLY LINE THEREOF, SOUTH 01° 51' 12" EAST, A DISTANCE OF 200.53 FEET TO THE BEGINNING OF A NON TANGENT CURVE CONCAVE TO THE NORTHEAST WITH A RADIUS OF 44.00 FEET;

THENCE ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 40° 48' 46", AN ARC DISTANCE OF 31.34 FEET, A CHORD BEARING OF NORTH 22° 04' 03" WEST, A CHORD DISTANCE OF 30.68 FEET TO A TANGENT LINE; THENCE NORTH 01° 39' 40' WEST, A DISTANCE OF 171.72 FEET TO THE SOUTHERLY PUBLIC RIGHT OF WAY OF MISSION BOULEVARD;

THENCE ALONG SAID RIGHT OF WAY, NORTH 88° 00' 24" EAST, A DISTANCE OF 10.03 FEET TO THE POINT OF BEGINNING;

CONTAINING 1,981 SQUARE FEET OR 0.0455 ACRES OF LAND MORE OR LESS.

SUBJECT TO COVENANTS, CONDITIONS, RESERVATIONS, RESTRICTIONS, RIGHTS OF WAY, AND EASEMENTS OF RECORD, IF ANY.

EXHIBIT "B" IS ATTACHED, AND MADE A PART HEREOF.

PREPARED BY ME OR UNDER MY SUPERVISION

DATED __-_-24

JOSHUA L. VUKODER R.L.S. #8281 EXP. 12-31-25

	Drawn By: WFC	Scale: N/A		
	Date: 4-10-24	Reviewed By: JLV		
	Revised: 6-21-24			
NORTH				
NOITH	Job No. 5202203214	Sheet 1 of 4		

EC1-2024

ACCESS & UTILITY EASEMENT 2

LEGAL DESCRIPTION

A PORTION OF LOT 3 OF TRACT 63, IN THE CITY OF POMONA, COUNTY OF LOS ANGELES, CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 13, PAGE 86, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 3, THENCE ALONG THE SOUTHERLY PUBLIC RIGHT OF WAY OF MISSION BOULEVARD, NORTH 88° 09' 53" EAST, A DISTANCE OF 3.97 FEET;

THENCE DEPARTING SAID RIGHT OF WAY, SOUTH 01° 32' 46" EAST, A DISTANCE OF 110.87 FEET TO A POINT;

THENCE SOUTH 00° 19' 48" EAST, A DISTANCE OF 6.50 FEET TO A POINT:

THENCE SOUTH 00° 39' 03" EAST, A DISTANCE OF 13.87 FEET TO A POINT;

THENCE SOUTH 02° 04' 04" EAST, A DISTANCE OF 40.76 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE NORTHEASTERLY, WITH A RADIUS OF 30.00 FEET:

THENCE ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 89° 31' 31', AN ARC DISTANCE OF 46.88 FEET, A CHORD BEARING OF SOUTH 46° 49' 49" EAST, A CHORD DISTANCE OF 42.25 FEET TO A TANGENT LINE; THENCE NORTH 88° 24' 26" EAST, A DISTANCE OF 113.08 FEET TO THE BEGINNING OF A TANGENT CURVE

CONCAVE TO THE NORTHWEST WITH A RADIUS OF 23.00 FEET:

THENCE ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90° 17' 39", AN ARC DISTANCE OF 36.25 FEET, A CHORD BEARING OF NORTH 43° 15' 36" EAST, A CHORD DISTANCE OF 32.61 FEET TO A TANGENT LINE; THENCE NORTH 01° 53' 14" WEST, A DISTANCE OF 179.33 FEET TO A POINT ON THE SOUTHERLY PUBLIC RIGHT OF WAY OF MISSION BOULEVARD:

THENCE ALONG SAID RIGHT OF WAY, NORTH 88° 09' 53" EAST, A DISTANCE OF 14.00 FEET;

THENCE DEPARTING SAID RIGHT OF WAY, SOUTH 01° 53' 14" EAST, A DISTANCE OF 179.32 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE NORTHWEST WITH A RADIUS OF 37.00 FEET; THENCE ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 90° 17' 39", AN ARC DISTANCE OF 58.31 FEET, A CHORD BEARING OF SOUTH 43° 15' 36" WEST, A CHORD DISTANCE OF 52.46 FEET TO A TANGENT LINE; THENCE SOUTH 88° 24' 26" WEST, A DISTANCE OF 112.75 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE NORTHEAST WITH A RADIUS OF 44.00 FEET:

THENCE ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 49° 07' 08", AN ARC DISTANCE OF 37.72 FEET, A CHORD BEARING OF NORTH 67° 02' 00" WEST, A CHORD DISTANCE OF 36.58 FEET TO A NON TANGENT LINE; THENCE NORTH 01° 51' 12' WEST, A DISTANCE OF 200.53 FEET TO THE POINT OF BEGINNING;

CONTAINING 5,937 SQUARE FEET OR 0.1363 ACRES OF LAND MORE OR LESS.

SUBJECT TO COVENANTS, CONDITIONS, RESERVATIONS, RESTRICTIONS, RIGHTS OF WAY, AND EASEMENTS OF RECORD, IF ANY.

EXHIBIT "B" IS ATTACHED, AND MADE A PART HEREOF.

PREPARED BY ME OR UNDER MY SUPERVISION

DATED __-_-24

JOSHUA L. VUKODER R.L.S. #8281 EXP. 12-31-25

	Drawn By: WFC	Scale: N/A		
	Date: 4-10-24	Reviewed By: JLV		
	Revised: 6-21-24			
NORTH				
NOITH	Job No. 5202203214	Sheet 2 of 4		

EC1-2024

EXISTING TOWER EASEMENT AREA

LEGAL DESCRIPTION

A PORTION OF LOT 3 OF TRACT 63, IN THE CITY OF POMONA, COUNTY OF LOS ANGELES, CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 13, PAGE 86, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 3, THENCE SOUTH 01° 51' 12" EAST, ALONG THE WESTERLY PROPERTY LINE, A DISTANCE OF 117.28 FEET TO A POINT;

THENCE NORTH 89° 40' 12" EAST, DEPARTING SAID PROPERTY LINE, A DISTANCE OF 3.21 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 89° 40' 12" EAST, A DISTANCE OF 24.36 FEET;

THENCE SOUTH 24° 17' 05" WEST, A DISTANCE OF 15.87 FEET;

THENCE NORTH 88° 32' 09" WEST, A DISTANCE OF 17.68 FEET;

THENCE NORTH 00° 39' 03" WEST, A DISTANCE OF 13.87 TO THE POINT OF BEGINNING;

CONTAINING 298 SQUARE FEET OR 0.007 ACRES OF LAND MORE OR LESS.

SUBJECT TO COVENANTS, CONDITIONS, RESERVATIONS, RESTRICTIONS, RIGHTS OF WAY, AND EASEMENTS OF RECORD, IF ANY.

EXHIBIT "B" IS ATTACHED, AND MADE A PART HEREOF.

PREPARED BY ME OR UNDER MY SUPERVISION

DATED __-_-24

JOSHUA L. VUKODER R.L.S. #8281 EXP. 12-31-25

	Drawn By: WFC	Scale: N/A		
	Date: 4-10-24	Reviewed By: JLV		
	Revised: 6-21-24			
NORTH				
NORTH	Job No. 5202203214	Sheet 3 of 4		

EC1-2024

ADDITIONAL TOWER EASEMENT AREA

LEGAL DESCRIPTION

A PORTION OF LOT 3 OF TRACT 63, IN THE CITY OF POMONA, COUNTY OF LOS ANGELES, CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 13, PAGE 86, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 3, THENCE SOUTH 01° 51' 12" EAST, ALONG THE WESTERLY PROPERTY LINE, A DISTANCE OF 117.28 FEET TO A POINT;

THENCE NORTH 89° 40' 12" EAST, DEPARTING SAID PROPERTY LINE, A DISTANCE OF 3.21 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 00° 19' 48" WEST, A DISTANCE OF 6.50 FEET;

THENCE NORTH 89° 40' 12" EAST, A DISTANCE OF 11.00 FEET;

THENCE SOUTH 00° 19' 48" EAST, A DISTANCE OF 6.50 FEET;

THENCE SOUTH 89° 40' 12" WEST, A DISTANCE OF 11.00 FEET TO THE POINT OF BEGINNING;

CONTAINING 72 SQUARE FEET OR 0.0017 ACRES OF LAND MORE OR LESS.

SUBJECT TO COVENANTS, CONDITIONS, RESERVATIONS, RESTRICTIONS, RIGHTS OF WAY, AND EASEMENTS OF RECORD, IF ANY.

EXHIBIT "B" IS ATTACHED, AND MADE A PART HEREOF.

PREPARED BY ME OR UNDER MY SUPERVISION

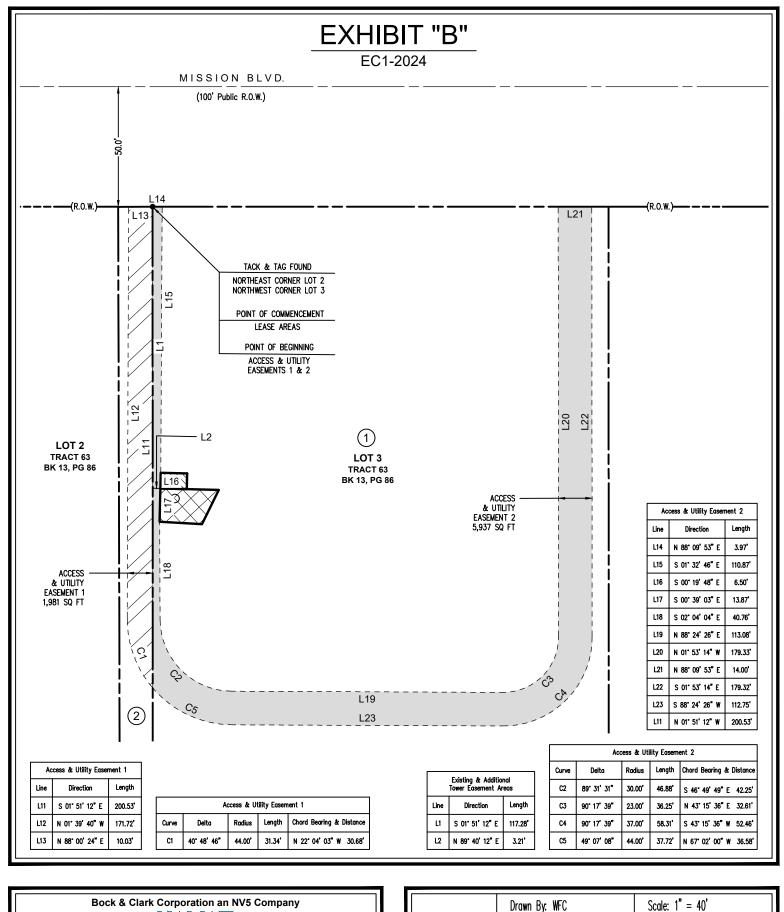
DATED __-_-24

JOSHUA L. VUKODER R.L.S. #8281 EXP. 12-31-25

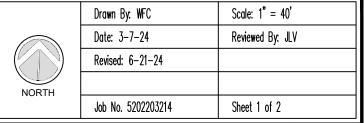
	Drawn By: WFC	Scale: N/A		
	Date: 4-10-24	Reviewed By: JLV		
	Revised: 6-21-24			
NORTH				
NOITH	Job No. 5202203214	Sheet 4 of 4		

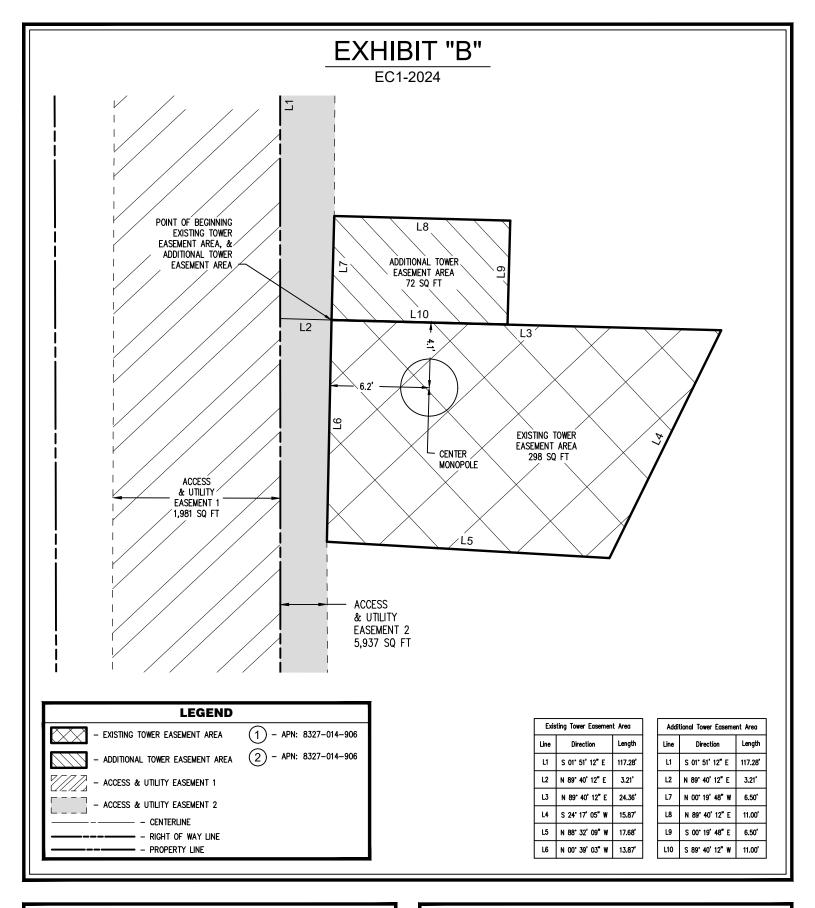
Exhibit B (Site Plan)

[see attached]











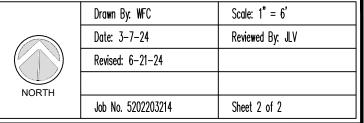


EXHIBIT C (Construction Drawings)

[see attached]

wireless...

DISH WIRELESS L.L.C. SITE ID:

LSSNA00032A

DISH WIRELESS L.L.C. SITE NAME:

N/A

DISH WIRELESS L.L.C. SITE ADDRESS:

1400 E MISSION BLVD

POMONA, CA 91766

DISH WIRELESS L.L.C. METER ADDRESS:

1400 1/2 E. MISSION BLVD **POMONA, CA 91766**

CALIFORNIA - 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:

2022 CALIFORNIA BUILDING CODE (CBC)/2021 IBC BUILDING 2022 CALIFORNIA MECHANICAL CODE (CMC)/2021 UMC 2022 CALIFORNIA ELECTRICAL CODE (CEC)/2020 NEC

CITY OF POMONA. CALIFORNIA SUPPLEMENT 26: AUGUST 30, 2021

CODIFIED THROUGH ORDINANCE NO. 4300, ADOPTED MARCH 1, 2021. (SUPP. NO. 26)

	SHEET INDEX						
SHEET NO.	SHEET NO. SHEET TITLE						
T-1	TITLE SHEET						
LS-1	LAND SURVEY (BY OTHERS)						
A-1.1	OVERALL AND ENLARGED SITE PLAN						
A-1.2	SITE PLAN WITH EXISTING STRUCTURE LOCATES						
A-2.1	EXISTING AND PROPOSED ELEVATIONS						
A-2.2	ANTENNA LAYOUT AND SCHEDULE						
A-3	EQUIPMENT SLAB 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 & PANEL SCHEDULE						
G-1	GROUNDING PLANS AND NOTES						
G-2	GROUNDING DETAILS						
G-3	GROUNDING DETAILS						
RF-1	RF CABLE COLOR CODES						
GN-1	LEGEND AND ABBREVIATIONS						
GN-2	RF SIGNAGE						
GN-3	GENERAL NOTES						
GN-4	GENERAL NOTES						
GN-5	GENERAL NOTES						

CONSTRUCTION WASTE SHALL BE RECYCLED PER A CONSTRUCTION WASTE MANAGEMENT PLAN COMPLIANT WITH CGBSC SECTION 5.408.1. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65% OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE. A CONSTRUCTION WASTE MANAGEMENT PLAN WILL BE COMPLETED PRIOR TO FINAL INSPECTION.

JURISDICTIONAL NOTE:

IT IS THE OWNER'S AND THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ALL DAMAGE TO THE EXISTING PUBLIC IMPROVEMENTS DUE TO THE PROPOSED CONSTRUCTION ACTIVITIES AND TO ADDRESS ALL REPAIRS REQUESTED BY THE PUBLIC WORKS INSPECTOR BASED ON THE INSPECTOR'S REVIEW OF THE CURRENT CONDITION OF THE SAID PUBLIC IMPROVEMENTS.

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) 6' PROPOSED PANEL ANTENNAS (1 PER SECTOR)

INSTALL (1) PROPOSED ANTENNA MOUNT KIT (3 SECTORS) (ONE COMMSCOPE MC-K6MHDX-9-96 KIT) INSTALL PROPOSED JUMPERS

INSTALL (6) PROPOSED RRHs (2 PER SECTOR)

INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)

INSTALL (1) PROPOSED HYBRID CABLE

GROUND SCOPE OF WORK:

INSTALL PROPOSED 8'-0" TALL WROUGHT IRON FENCE COMPOUND EXPANSION W/ SCREENING FAUX BUSH

EXISTING LITILITY H-FRAME TO BE REMOVED
INSTALL (1) PROPOSED CONCRETE SLAB WITH FOOTERS

INSTALL (1) PROPOSED PPC CABINET INSTALL (1) PROPOSED EQUIPMENT CABINET

INSTALL (1) PROPOSED POWER CONDUIT INSTALL (1) PROPOSED TELCO CONDUIT

INSTALL (1) PROPOSED TELCO-FIBER BOX

INSTALL (1) PROPOSED GPS UNIT INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)

INSTALL (1) PROPOSED 200A METER/DISCONNECT PEDESTAL

SITE PHOTO





UNDERGROUND SERVICE ALERT UTILITY NOTIFICATION CENTER OF CALIFORNIA (800) 422-4133 WWW.CALIFORNIA811.ORG

CALL 2-14 WORKING DAYS UTILITY NOTIFICATION PRIOR 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 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	FORMATION	PROJ	ECT DIRECTORY
PROPERTY OWNER: ADDRESS:	CITY OF POMONA 505 S GARVEY AVENUE POMONA, CA 91766	APPLICANT:	DISH WIRELESS L.L.C. 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120
TOWER TYPE:	MONOPOLE	TOWER OWNER:	CROWN CASTLE USA, INC. 2000 CORPORATE DRIVE
TOWER CO SITE ID:	828491		CANONSBURG, PA 15317 877.486.9377
TOWER APP NUMBER:	555475		
		SITE DESIGNER:	POD
COUNTY:	LOS ANGELES		11490 BLUEGRASS PARKWAY
			LOUISVILLE, KY 40299
LATITUDE (NAD 83):	34° 03′ 18.64″ N 34.055178		(502) 437-5252
LONGITUDE (NAD 83):	117° 43' 41.58" W	SITE ACQUISITION	:
	-117.728217	GEORGE SIPEK	
ZONING JURISDICTION:	CITY OF POMONA	GEORGE.SIPEK.CO	NTRACTOROCROWNCASTLE.COM
ZONING DISTRICT:	INDUSTRIAL	CONSTRUCTION N	MANAGER:
		JEFF ROGERS	
PARCEL NUMBER:	8327-014-906	JEFF.ROGERS@DIS	SH.COM
00011241104 020112			
OCCUPANCY GROUP:	U	RF ENGINEER:	
CONSTRUCTION TYPE:	II—B	Salvador Ruiz Salvador.Ruiz o i	DISH COM
CONSTRUCTION TIPE:	ט—וו	SALVADON.NOIZ O L	
POWER COMPANY:	SOUTHERN CALIFORNIA EDISON		

DIRECTIONS

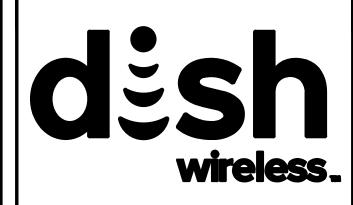
DIRECTIONS FROM DISH WIRELESS L.L.C. DISTRICT OFFICE AT 16812 ARMSTRONG AVE., SUITE 200

TELEPHONE COMPANY: VERIZON

HEAD NORTHEAST ON ARMSTRONG AVE TOWARD DEERE AVE, TURN LEFT ONTO BARRANCA PKWY, ROAD NAME CHANGES TO E DYER RD, TAKE THE RAMP ON THE RIGHT FOR CA-55 NORTH AND HEAD TOWARD RIVERSIDE, AT EXIT 10B, HEAD RIGHT ON THE RAMP FOR I-5 NORTH TOWARD SANTA ANA, AT EXIT 107A, HEAD RIGHT ON THE RAMP FOR CA-57 NORTH TOWARD POMONA, KEEP LEFT TO GET ONTO CA-60 E, AT EXIT 30, HEAD ON THE RAMP RIGHT AND FOLLOW SIGNS FOR RESERVOIR S, TURN LEFT ONTO S RESERVOIR ST. THEN IMMEDIATELY TURN RIGHT ONTO E MISSION BLVD. TURN RIGHT. ARRIVE AT DESTINATION. THE LAST INTERSECTION BEFORE YOUR DESTINATION IS E MISSION BLVD.

VICINITY MAP





5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120





UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED	BY
AJM	EEW	MEP	
RFDS REV	#:		2

CONSTRUCTION DOCHMENTS

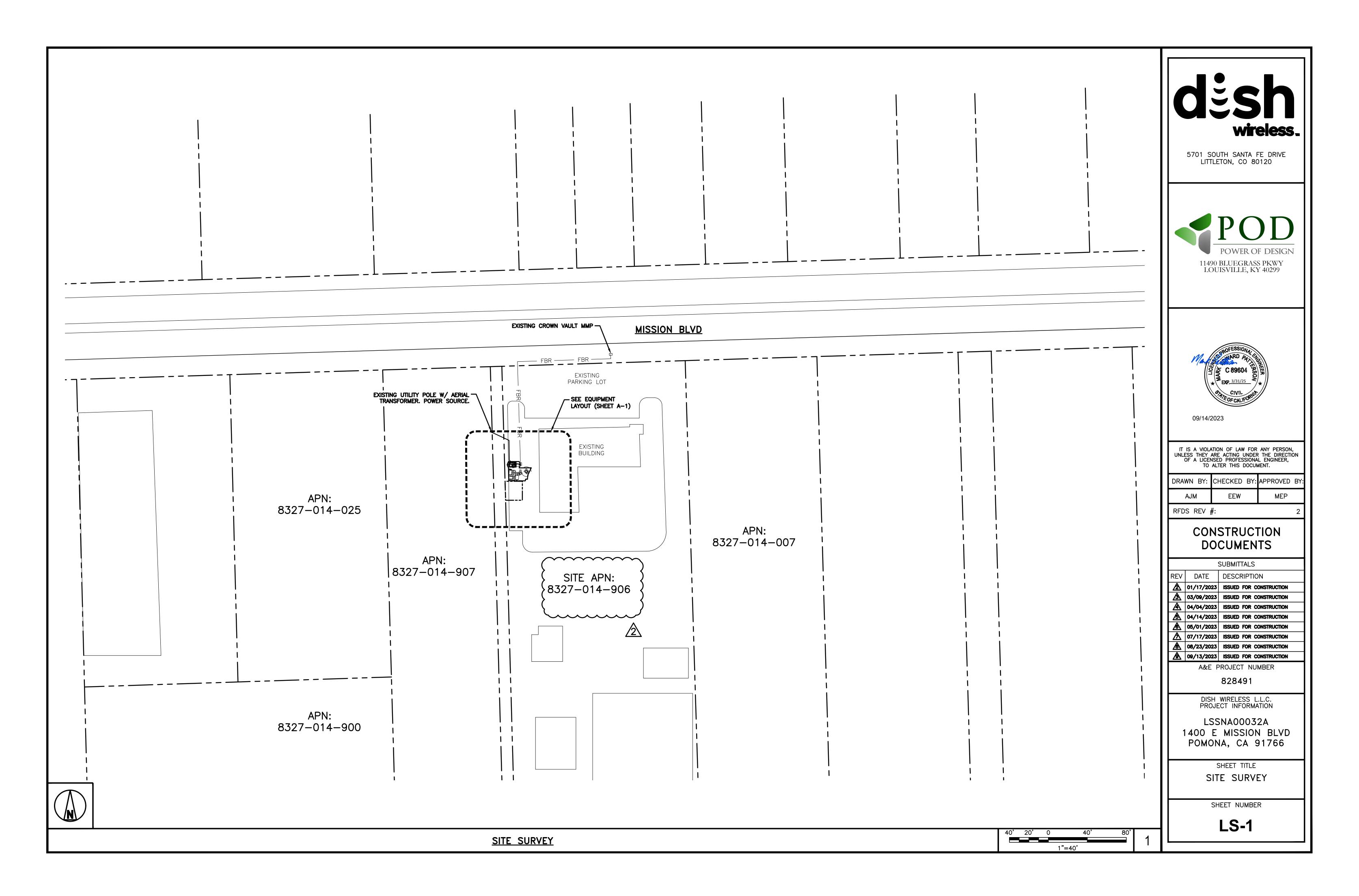
		DOCUMENTS								
	SUBMITTALS									
	REV	DATE	DESCRIPTION							
	A	01/17/2023	ISSUED FOR CONSTRUCTION							
	A	03/09/2023	ISSUED FOR CONSTRUCTION							
	A	04/04/2023	ISSUED FOR CONSTRUCTION							
	◬	04/14/2023	ISSUED FOR CONSTRUCTION							
	A	05/01/2023	ISSUED FOR CONSTRUCTION							
	A	07/17/2023	ISSUED FOR CONSTRUCTION							
	A	08/23/2023	ISSUED FOR CONSTRUCTION							
	A	09/13/2023	ISSUED FOR CONSTRUCTION							
		A&E F	PROJECT NUMBER							
ı			828491							
			WIRELESS L.L.C. ECT INFORMATION							
		LSS	SNA00032A							
	1	400 E	MISSION BLVD							

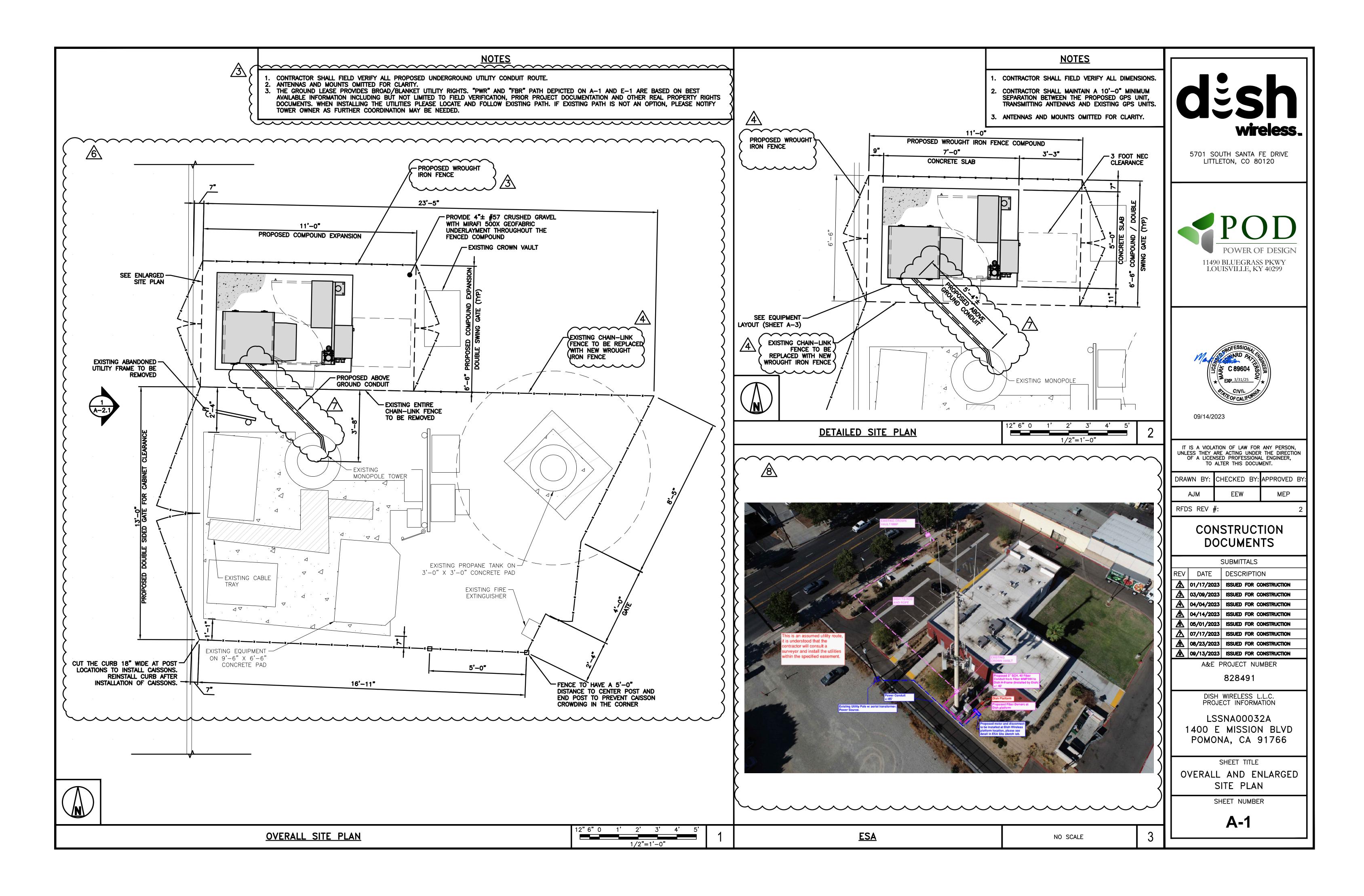
POMONA, CA 91766

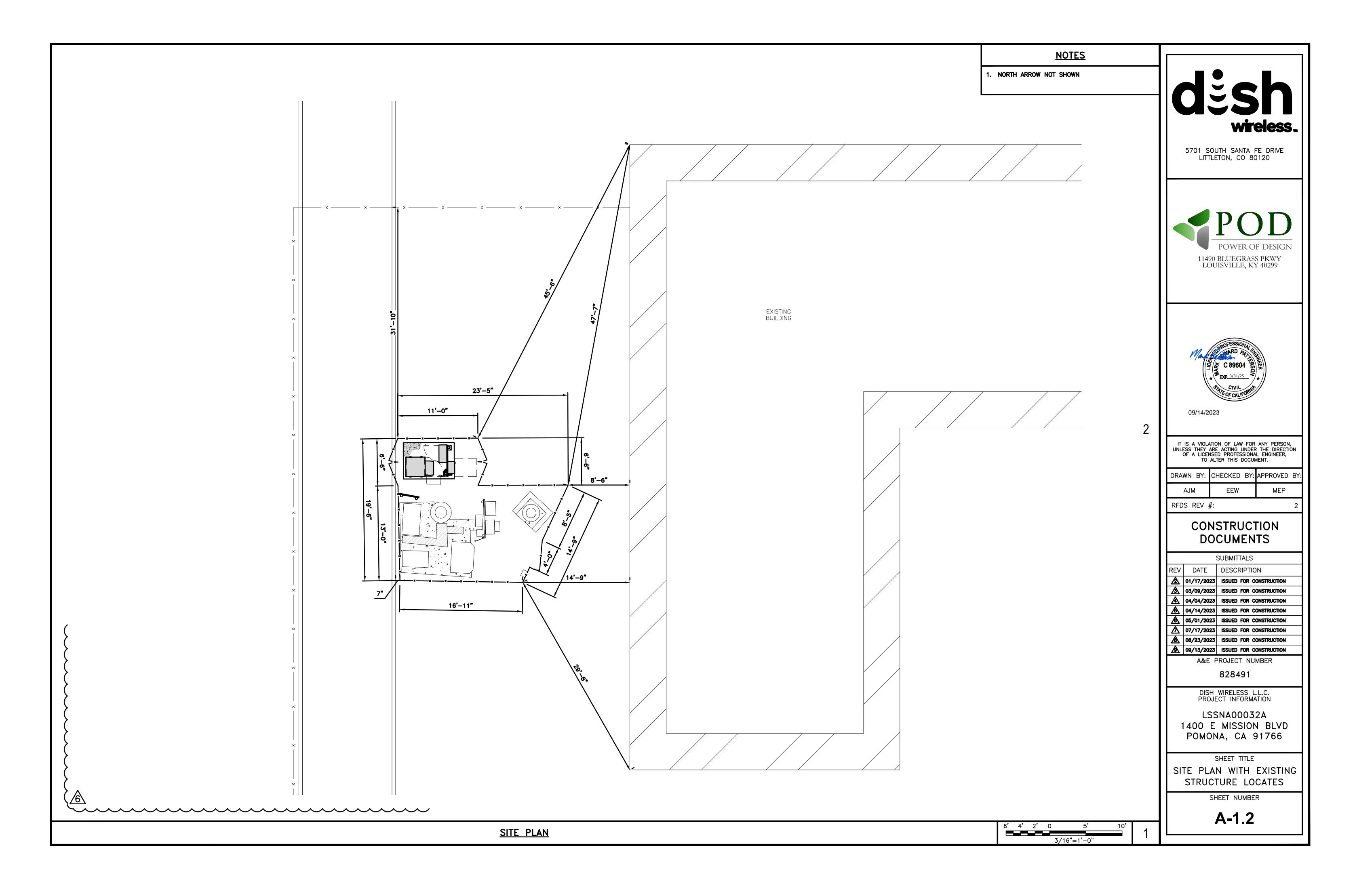
SHEET TITLE TITLE SHEET

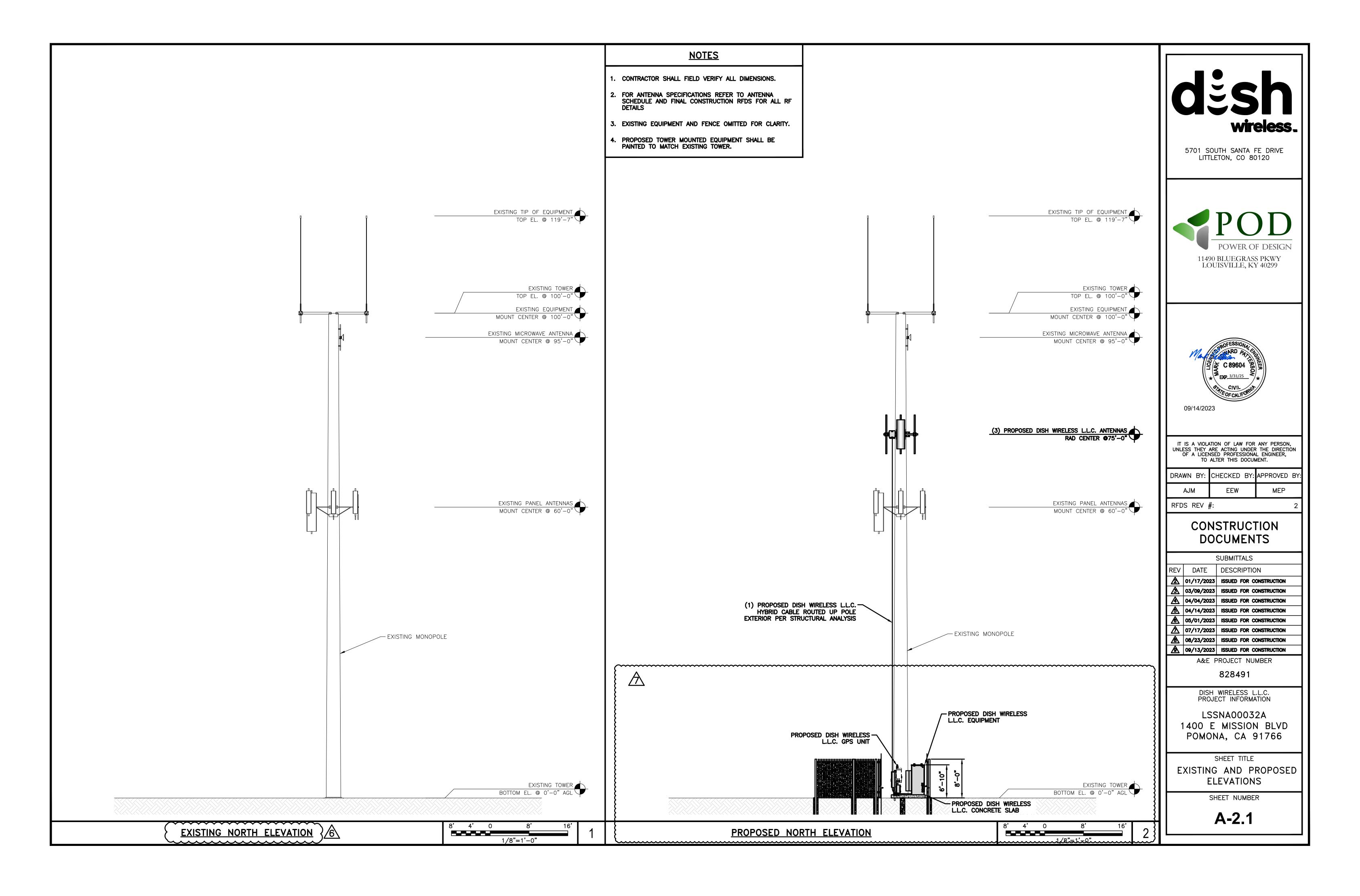
SHEET NUMBER

T-1



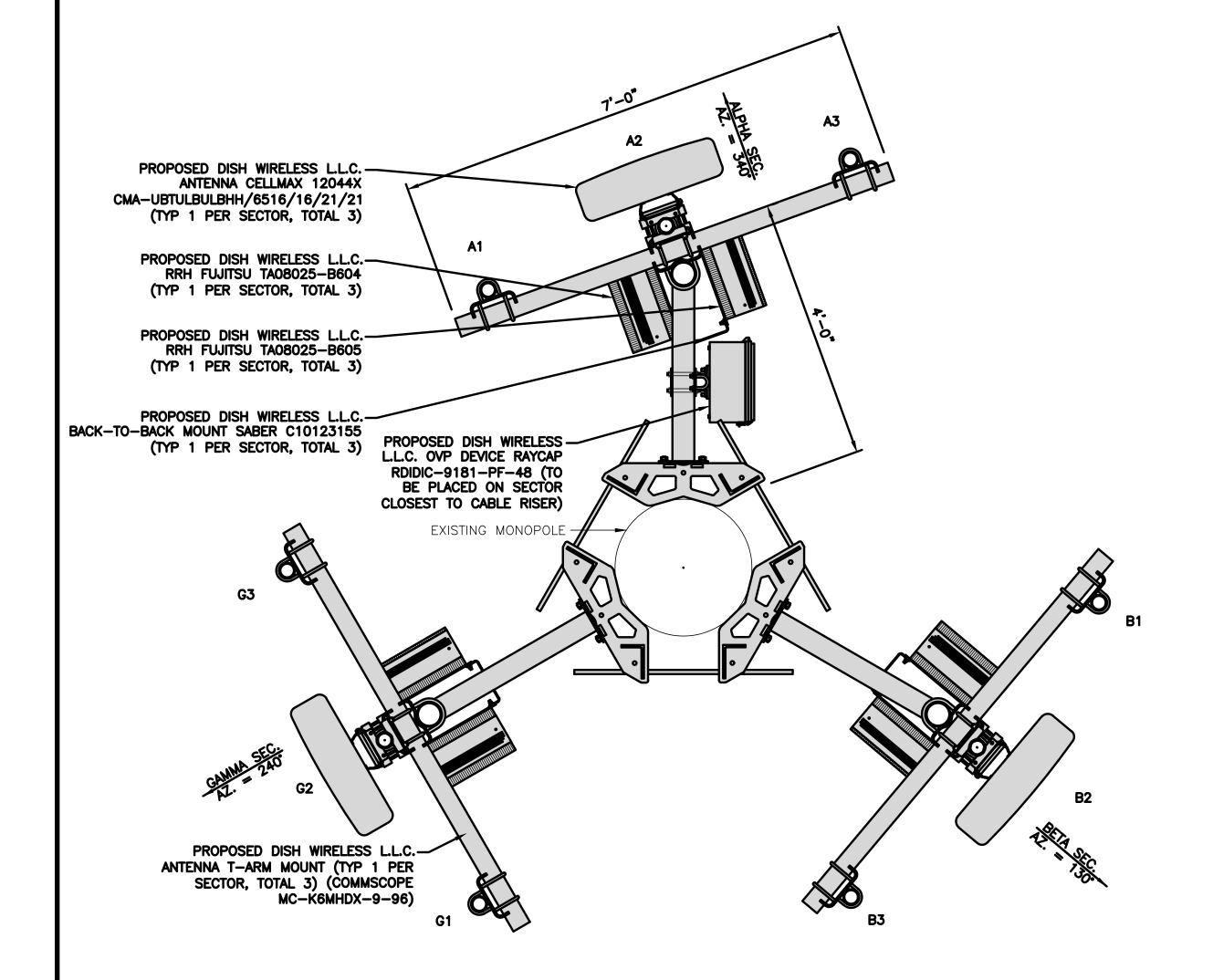






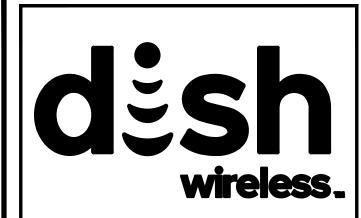
NOTES

- 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- FOR ANTENNA SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND FINAL CONSTRUCTION RFDS FOR ALL RF
- PROPOSED TOWER MOUNTED EQUIPMENT SHALL BE PAINTED TO MATCH EXISTING TOWER.



		ANTENNA					RRH		OVP	TRANSMISSION CABLE	
SECTOR POS.	EXISTING OR PROPOSED	MANUFACTURER — MODEL NUMBER (SIZE HxWxD)	AZ.	RAD CENTER	MECH. TILT	ELEC. TILT	ANT TECH.	MANUFACTURER - MODEL NUMBER	RRH TECH.	MANUFACTURER MODEL	FEED LINE TYPE AND LENGTH
A1			!								
A2	PROPOSED	CELLMAX - 12044x CMA-UBTULBULBHH/6516/16/21/21 (72.4"x26.7"x7.7")	340°	75'-0"	0°		NR		MULTI BAND	RAYCAP RDIDC-9181-PF-48	(1) HIGH—CAPACITY HYBRID CABLE (105' LONG)
A3			-						-		
B1											
B2	PROPOSED	CELLMAX - 12044x CMA-UBTULBULBHH/6516/16/21/21 (72.4"x26.7"x7.7")	130°	75'-0"	0°		NR	FUJITSU - TA08025-B604 FUJITSU - TA08025-B605	MULTI BAND	SHARED W/ALPHA	SHARED W/ALPHA
В3											
G1											
G2	PROPOSED	CELLMAX - 12044x CMA-UBTULBULBHH/6516/16/21/21 (72.4"x26.7"x7.7")	240°	75'-0"	0°		NR	FUJITSU - TA08025-B604 FUJITSU - TA08025-B605	MULTI BAND	SHARED W/ALPHA	SHARED W/ALPHA
G3			ļ								

*SEE LATEST DISH RFDS FOR AZIMUTH INFORMATION AT TIME OF BUILD



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120





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
AJM	EEW	MEP	
REDS REV :	#·		2

CONSTRUCTION DOCUMENTS

	SUBMITTALS				
REV	DATE	DESCRIPTION			
A	01/17/2023	ISSUED FOR CONSTRUCTION			
<u>A</u>	03/09/2023	ISSUED FOR CONSTRUCTION			
A	04/04/2023	ISSUED FOR CONSTRUCTION			
⋬	04/14/2023	ISSUED FOR CONSTRUCTION			
A	05/01/2023	ISSUED FOR CONSTRUCTION			
A	07/17/2023	ISSUED FOR CONSTRUCTION			
A	08/23/2023	ISSUED FOR CONSTRUCTION			
A	09/13/2023	ISSUED FOR CONSTRUCTION			
	A&E PROJECT NUMBER				

828491

DISH WIRELESS L.L.C. PROJECT INFORMATION

LSSNA00032A 1400 E MISSION BLVD POMONA, CA 91766

> SHEET TITLE ANTENNA LAYOUT AND SCHEDULE

SHEET NUMBER

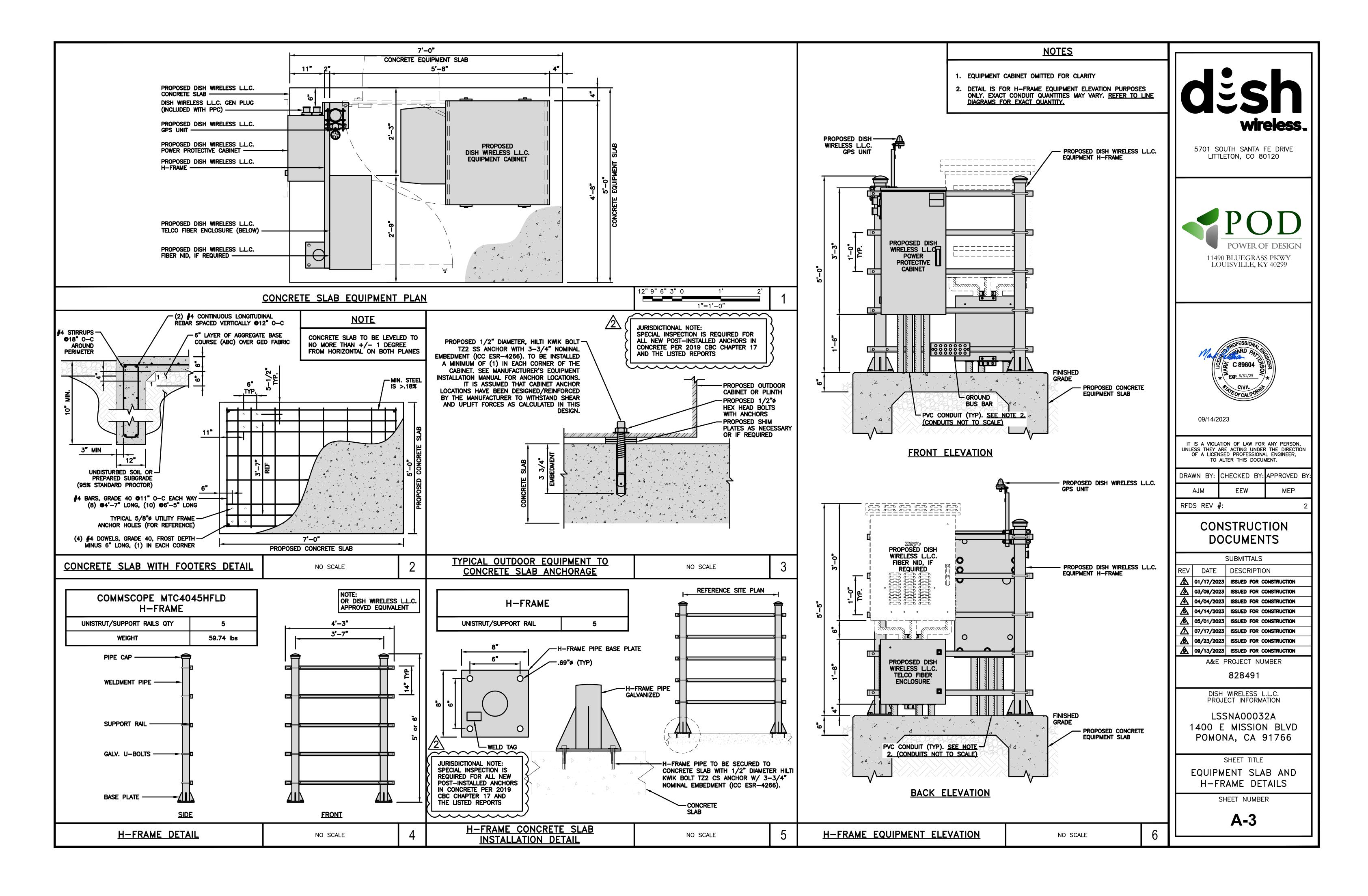
1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS. 2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY.
ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE
WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.

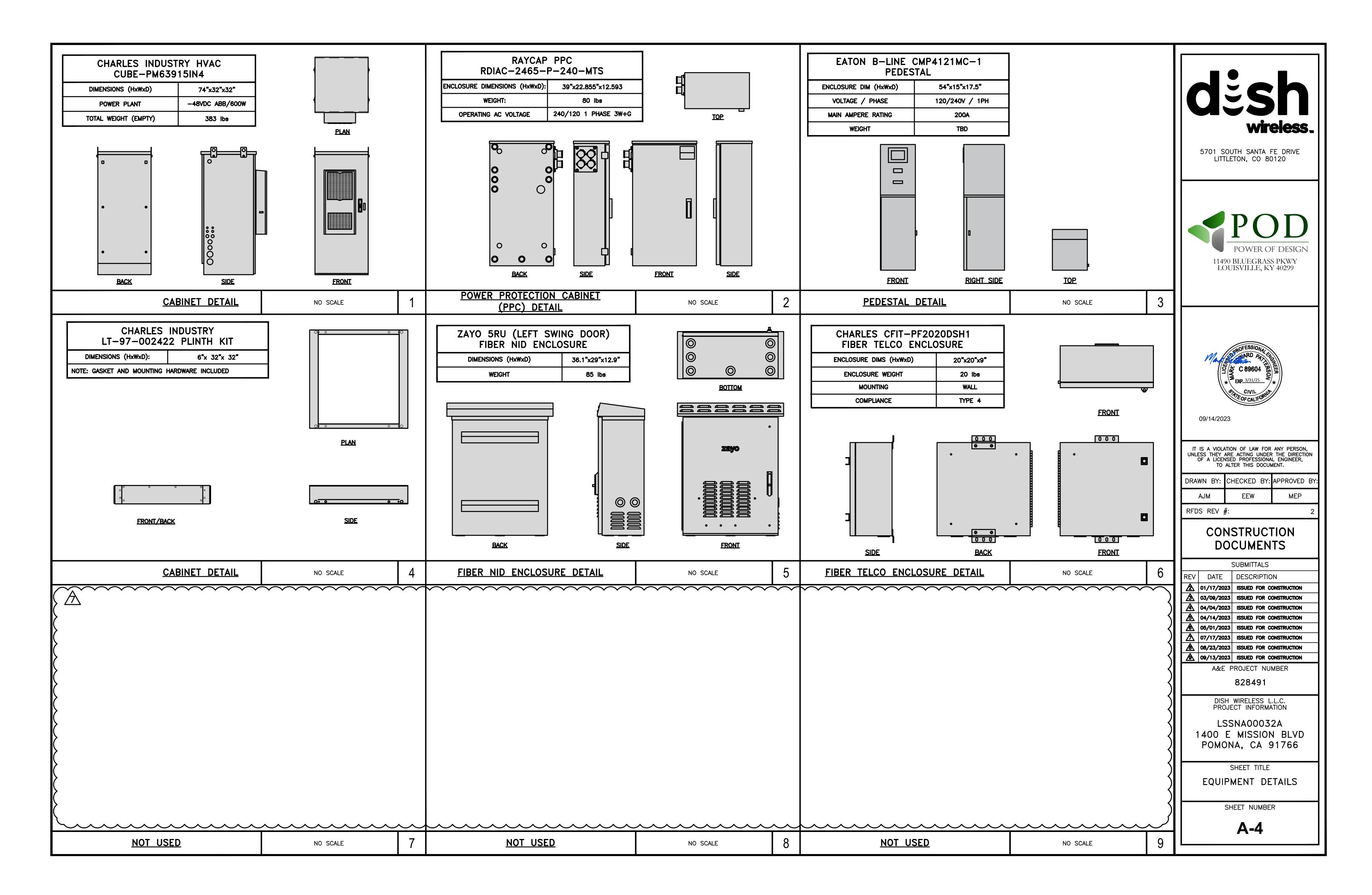
ANTENNA LAYOUT 3/4"=1'-0"

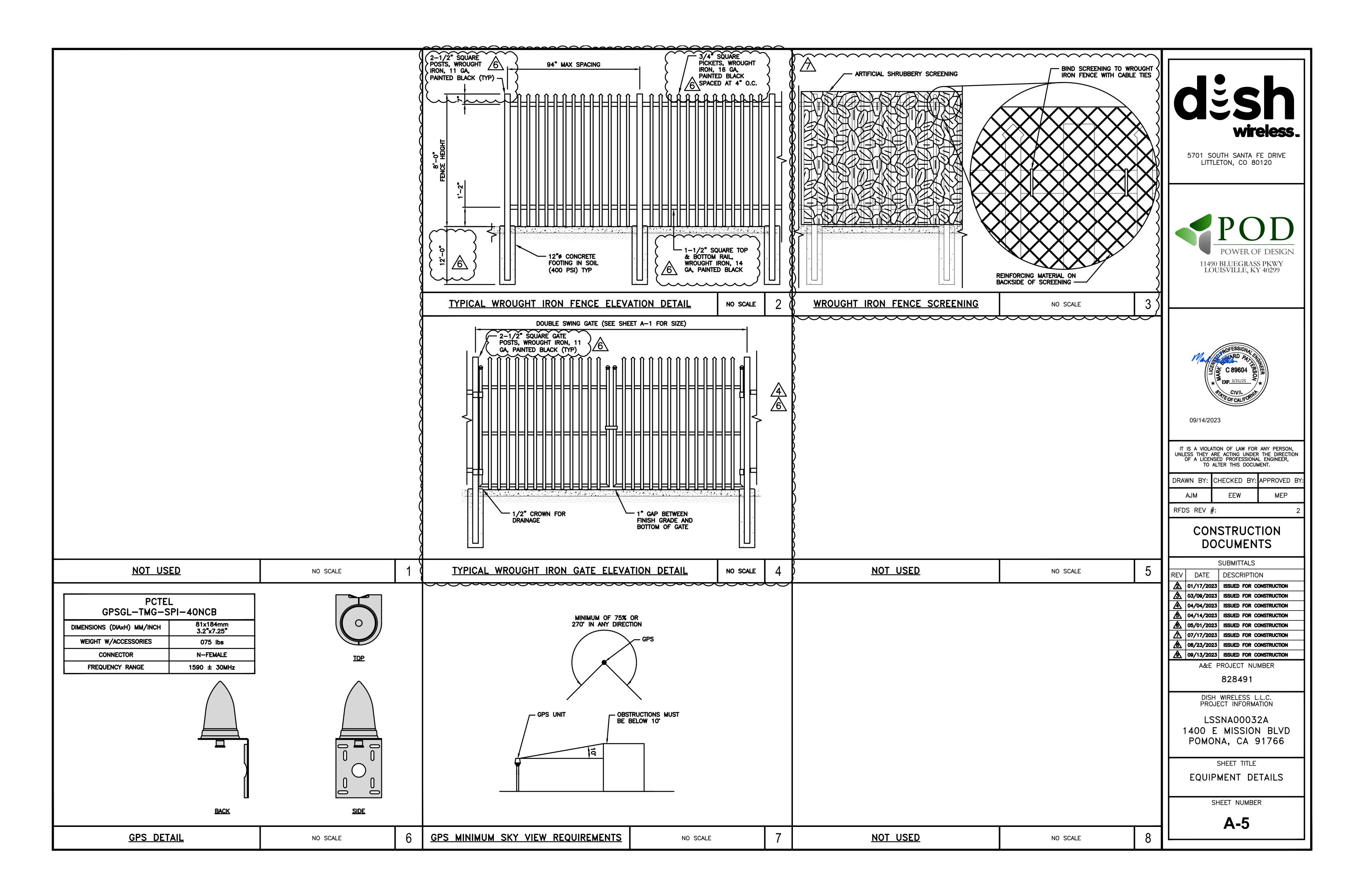
ANTENNA SCHEDULE

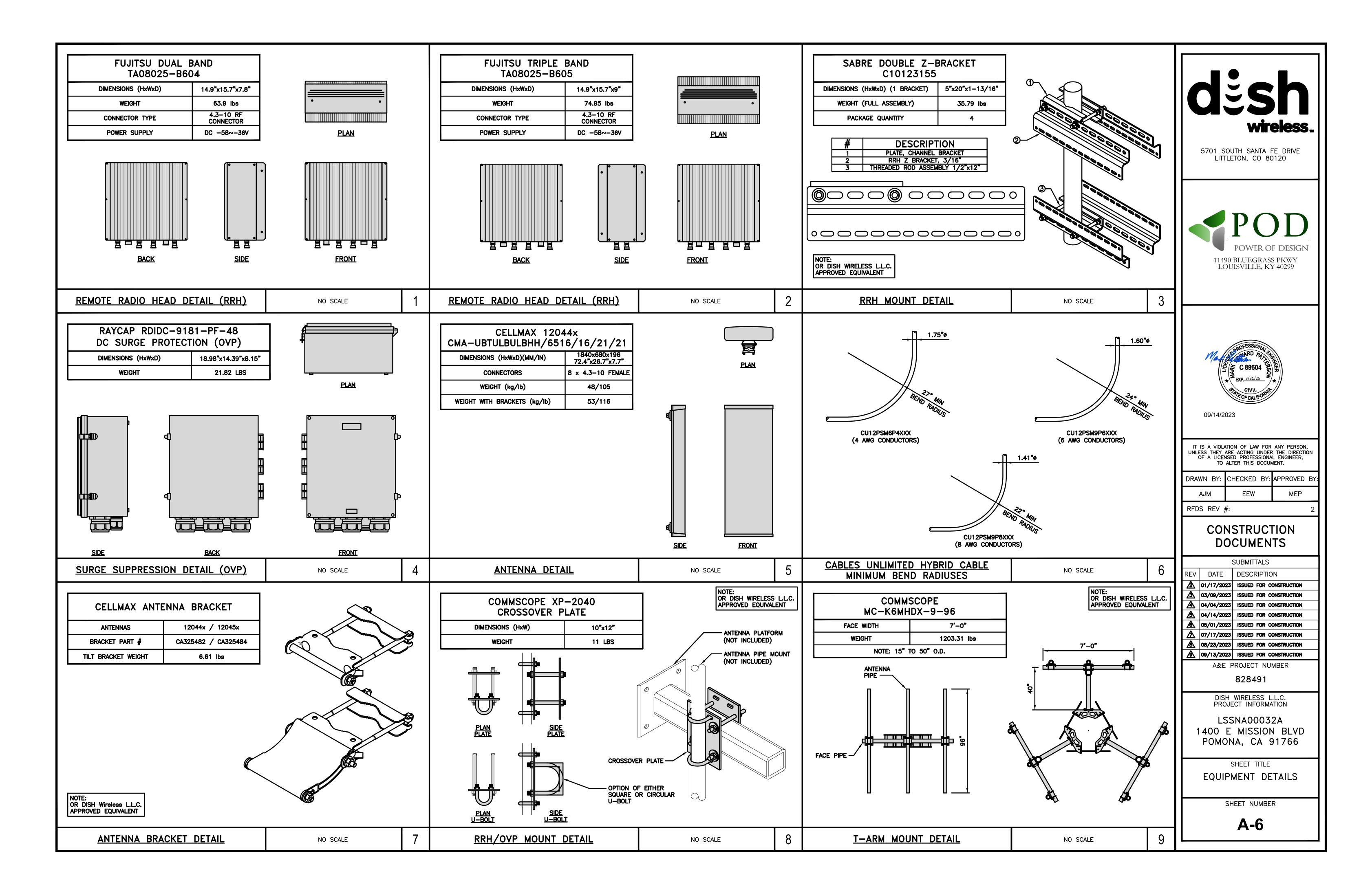
NO SCALE

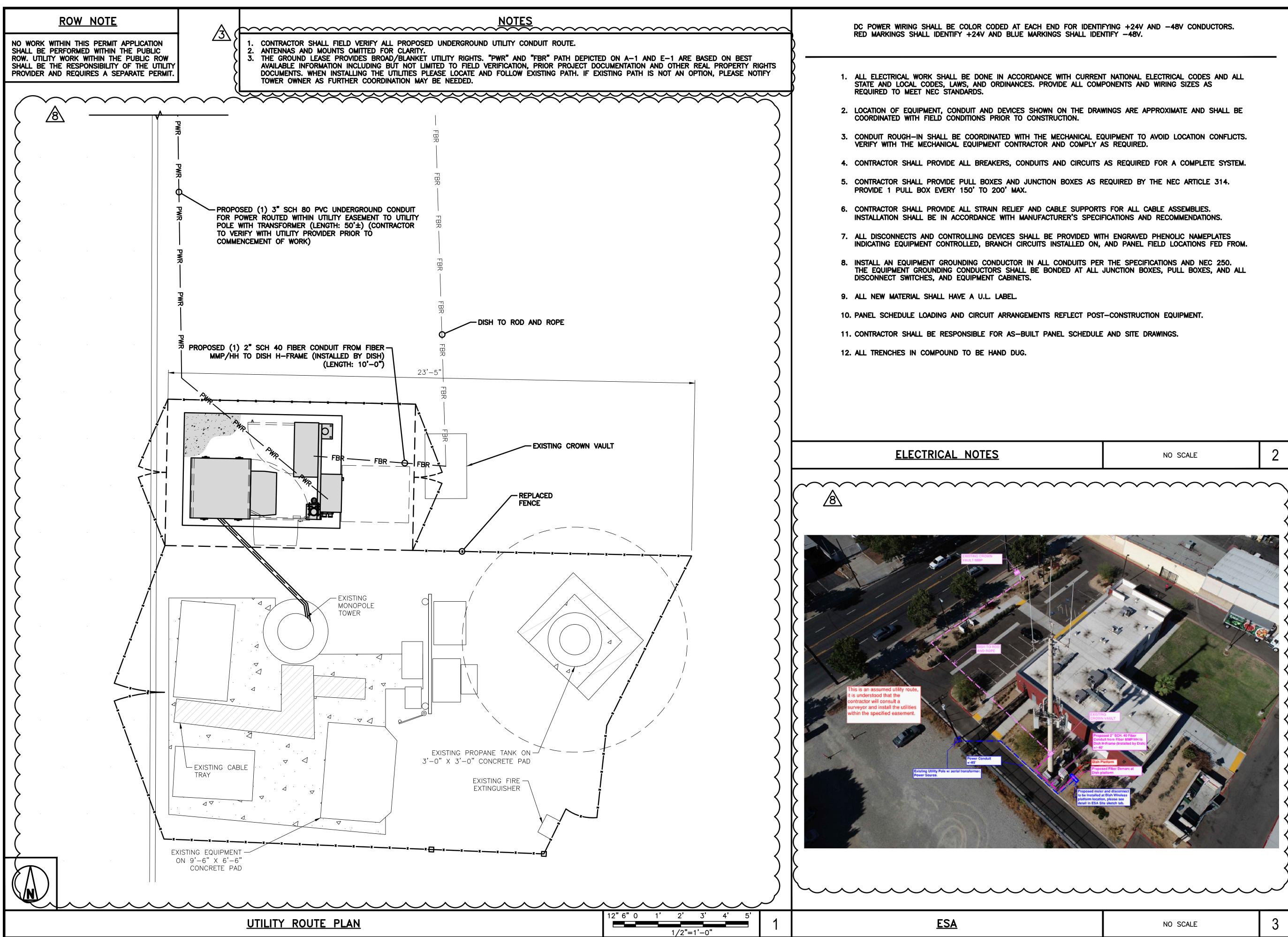
A-2.2









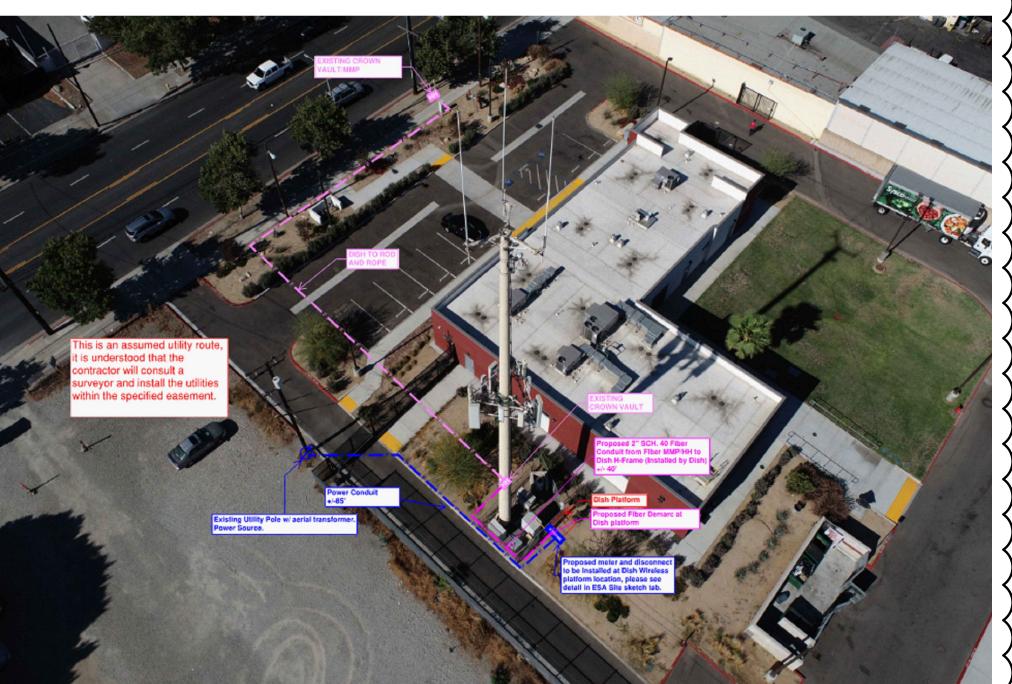


DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V.

- 1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
- 2. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- 3. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
- 4. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
- 5. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314. PROVIDE 1 PULL BOX EVERY 150' TO 200' MAX.
- 6. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- 7. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
- 8. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT CABINETS.
- 9. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
- 10. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST—CONSTRUCTION EQUIPMENT.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.
- 12. ALL TRENCHES IN COMPOUND TO BE HAND DUG.

<u>ESA</u>

ELECTRICAL NOTES NO SCALE





5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



LOUISVILLE, KY 40299



09/14/2023

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 B	Y:
AJM	EEW	MEP	
RFDS REV #:			

CONSTRUCTION **DOCUMENTS**

	SUBMITTALS				
REV	DATE	DESCRIPTION			
A	01/17/2023	ISSUED FOR CONSTRUCTION			
<u>A</u>	03/09/2023	ISSUED FOR CONSTRUCTION			
A	04/04/2023	ISSUED FOR CONSTRUCTION			
	04/14/2023	ISSUED FOR CONSTRUCTION			
A	05/01/2023	ISSUED FOR CONSTRUCTION			
A	07/17/2023	ISSUED FOR CONSTRUCTION			
A	08/23/2023	ISSUED FOR CONSTRUCTION			

9 09/13/2023 ISSUED FOR CONSTRUCTION A&E PROJECT NUMBER

828491

DISH WIRELESS L.L.C. PROJECT INFORMATION

LSSNA00032A 1400 E MISSION BLVD POMONA, CA 91766

SHEET TITLE

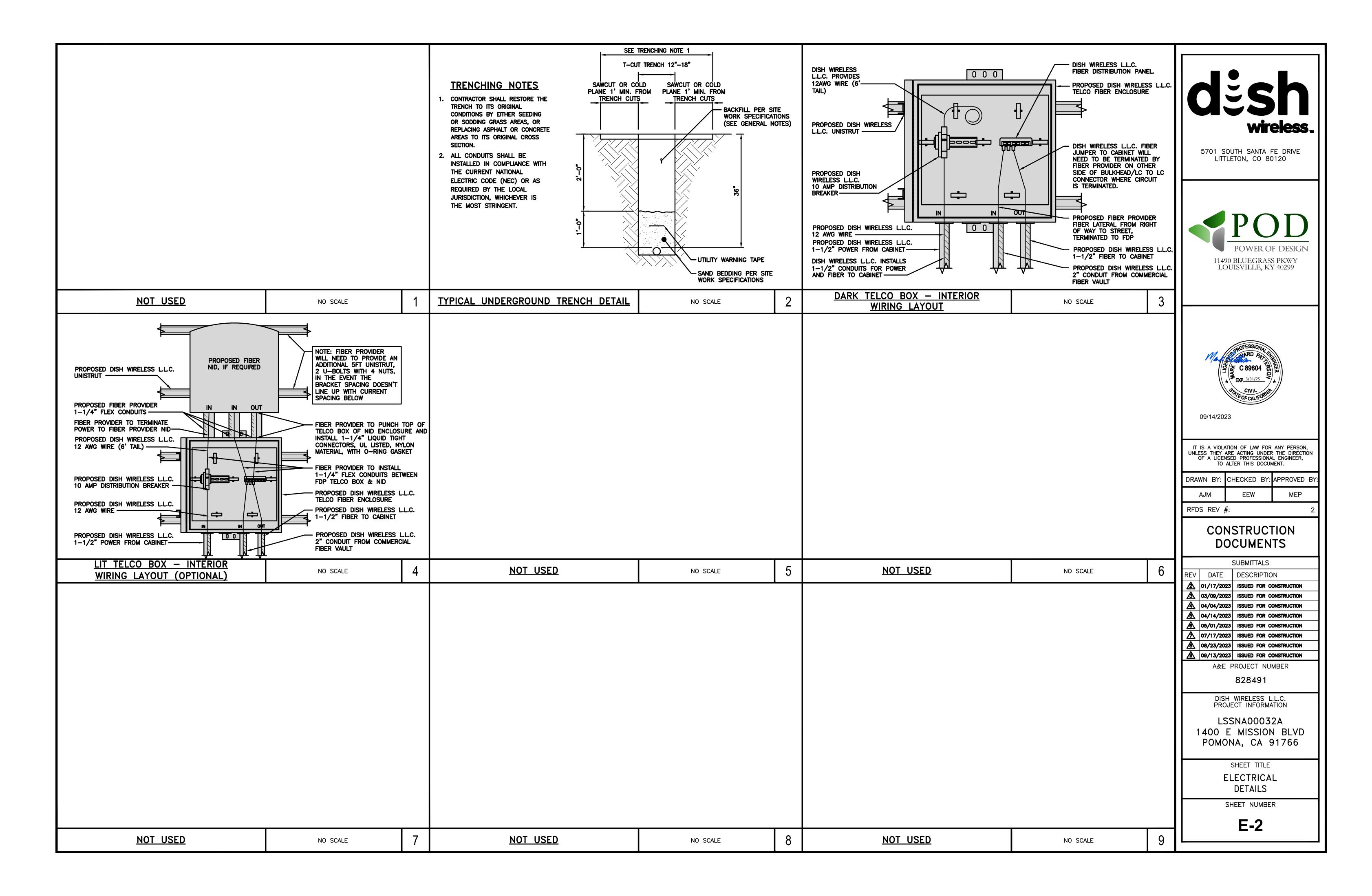
ELECTRICAL/FIBER ROUTE PLAN AND NOTES

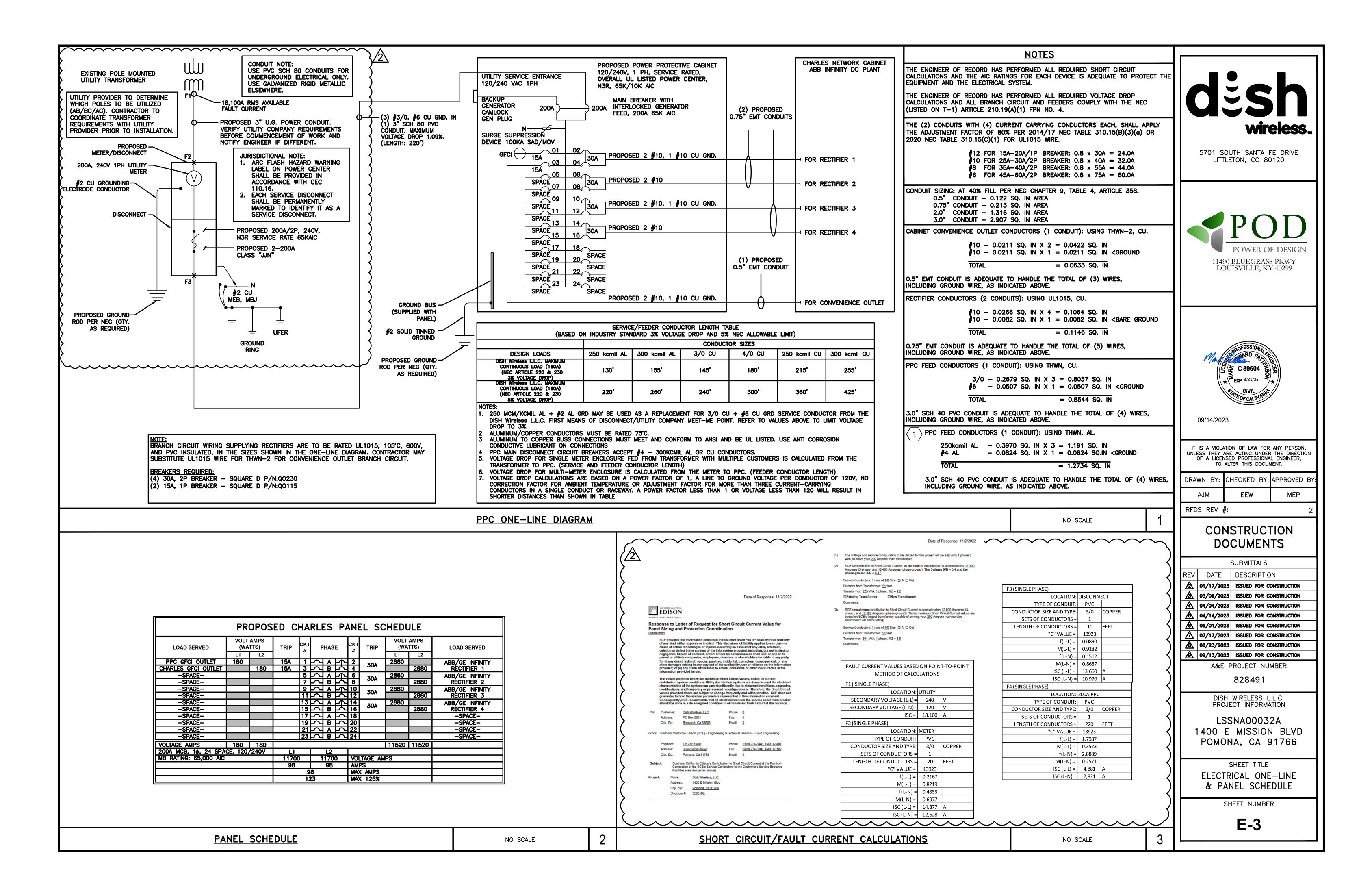
SHEET NUMBER

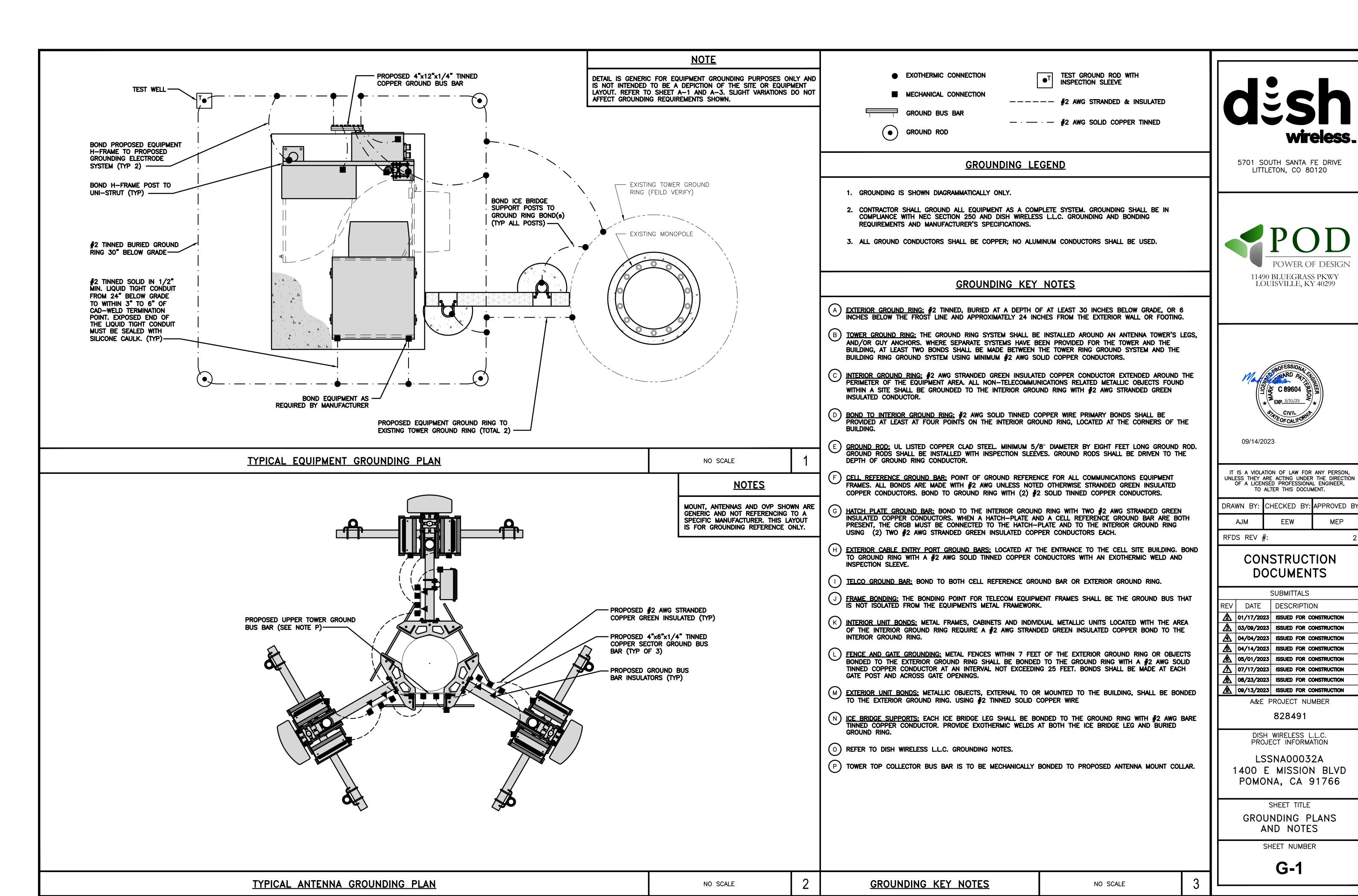
3

NO SCALE

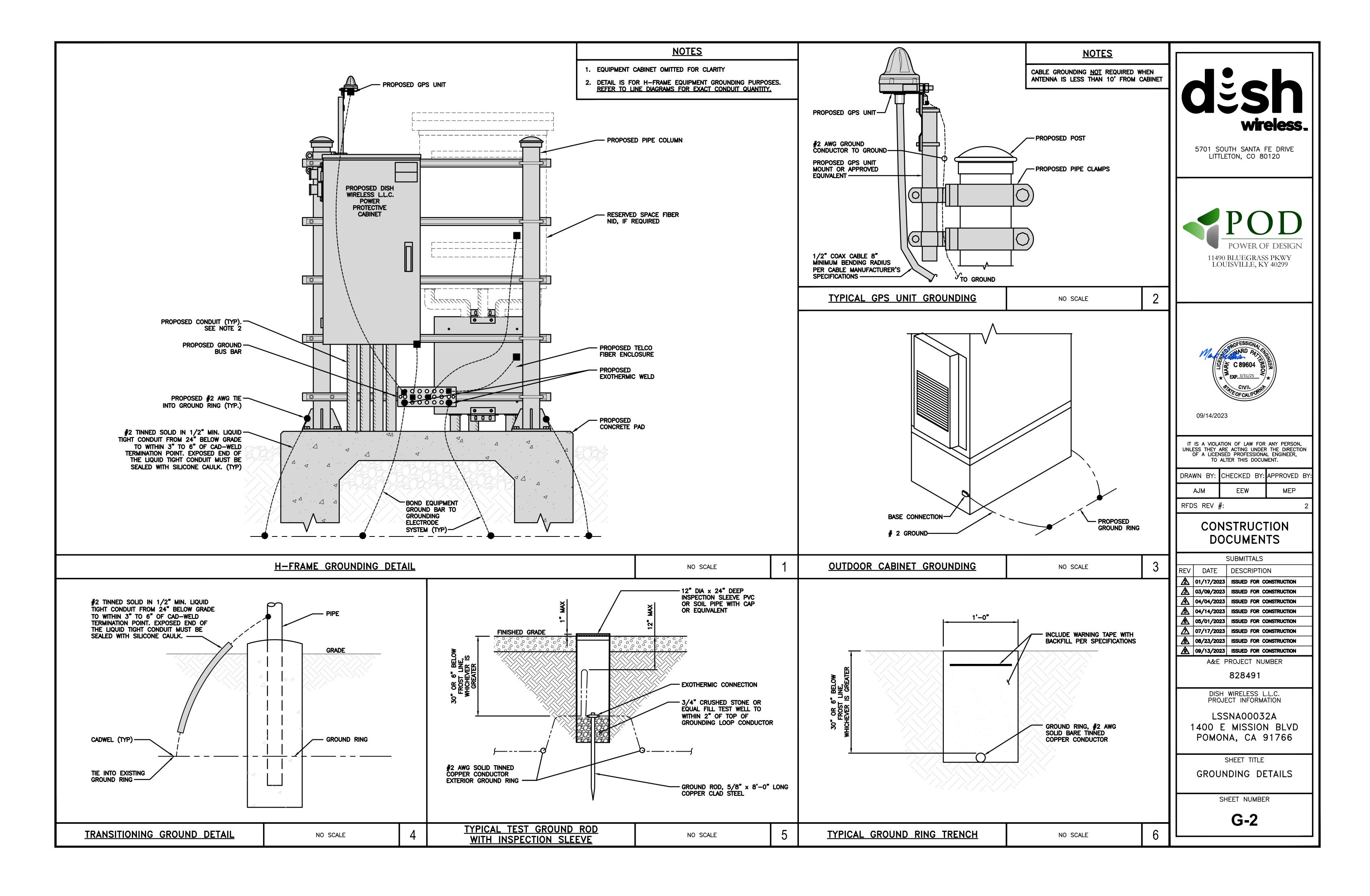
E-1

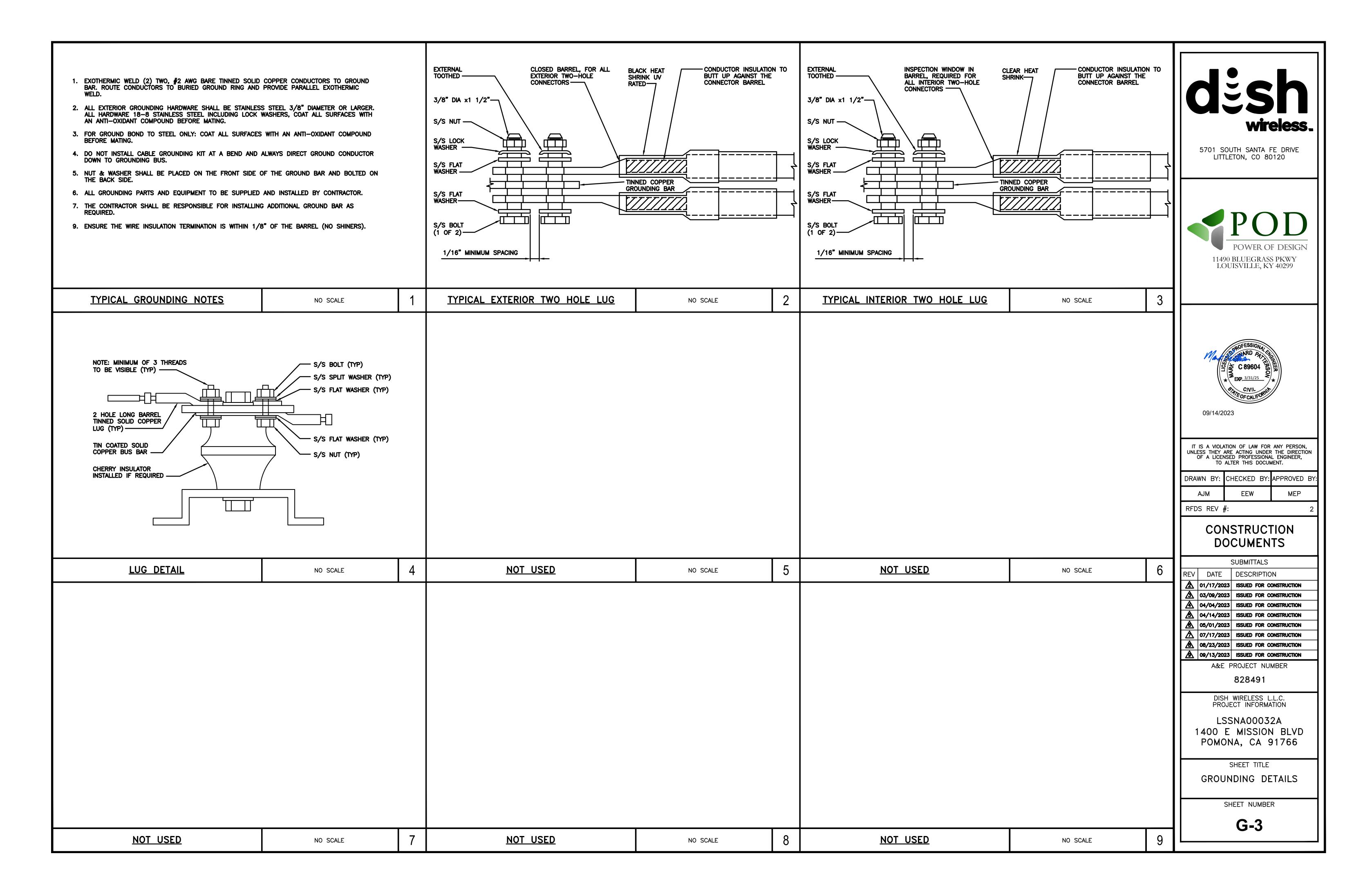


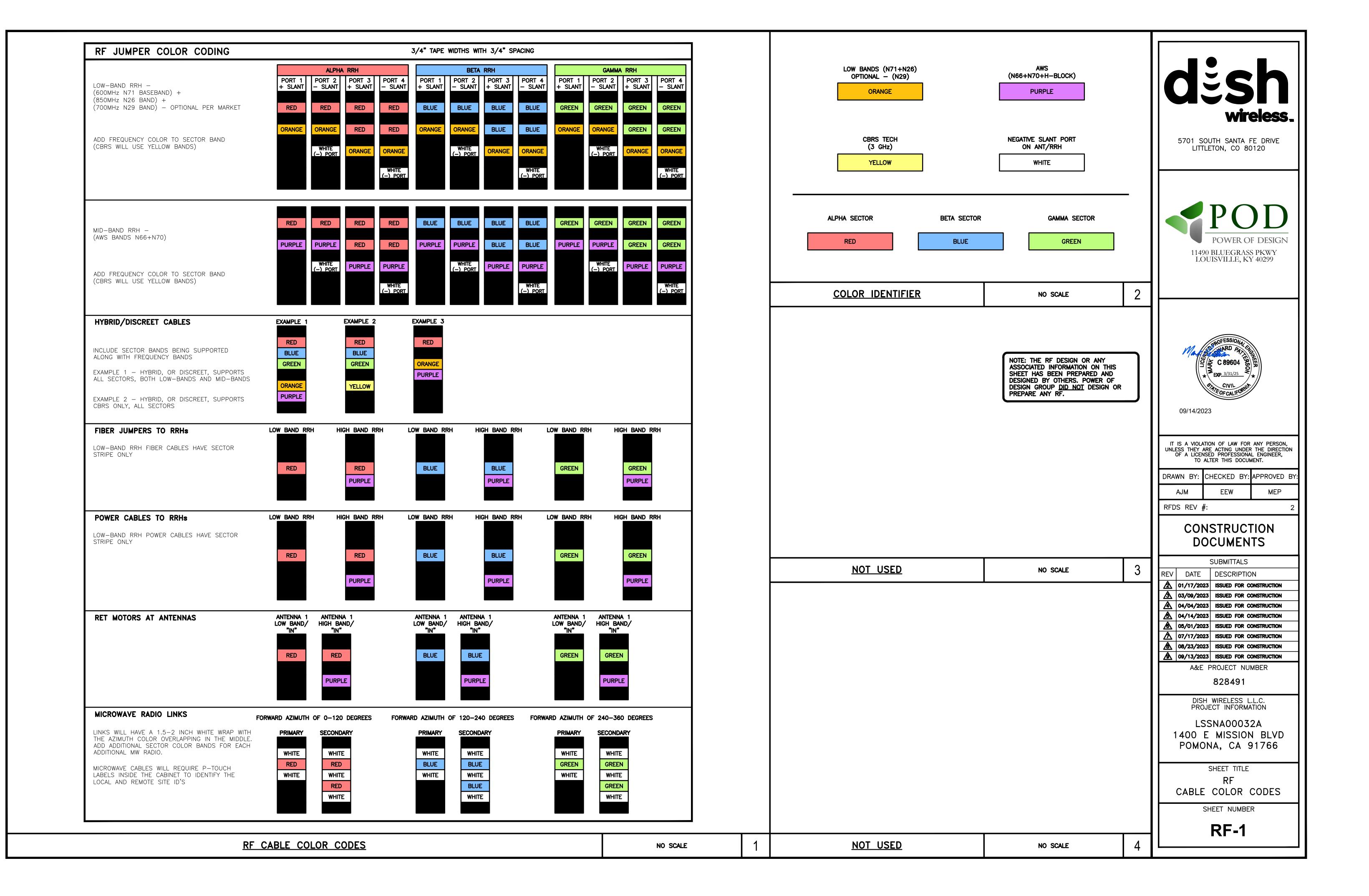


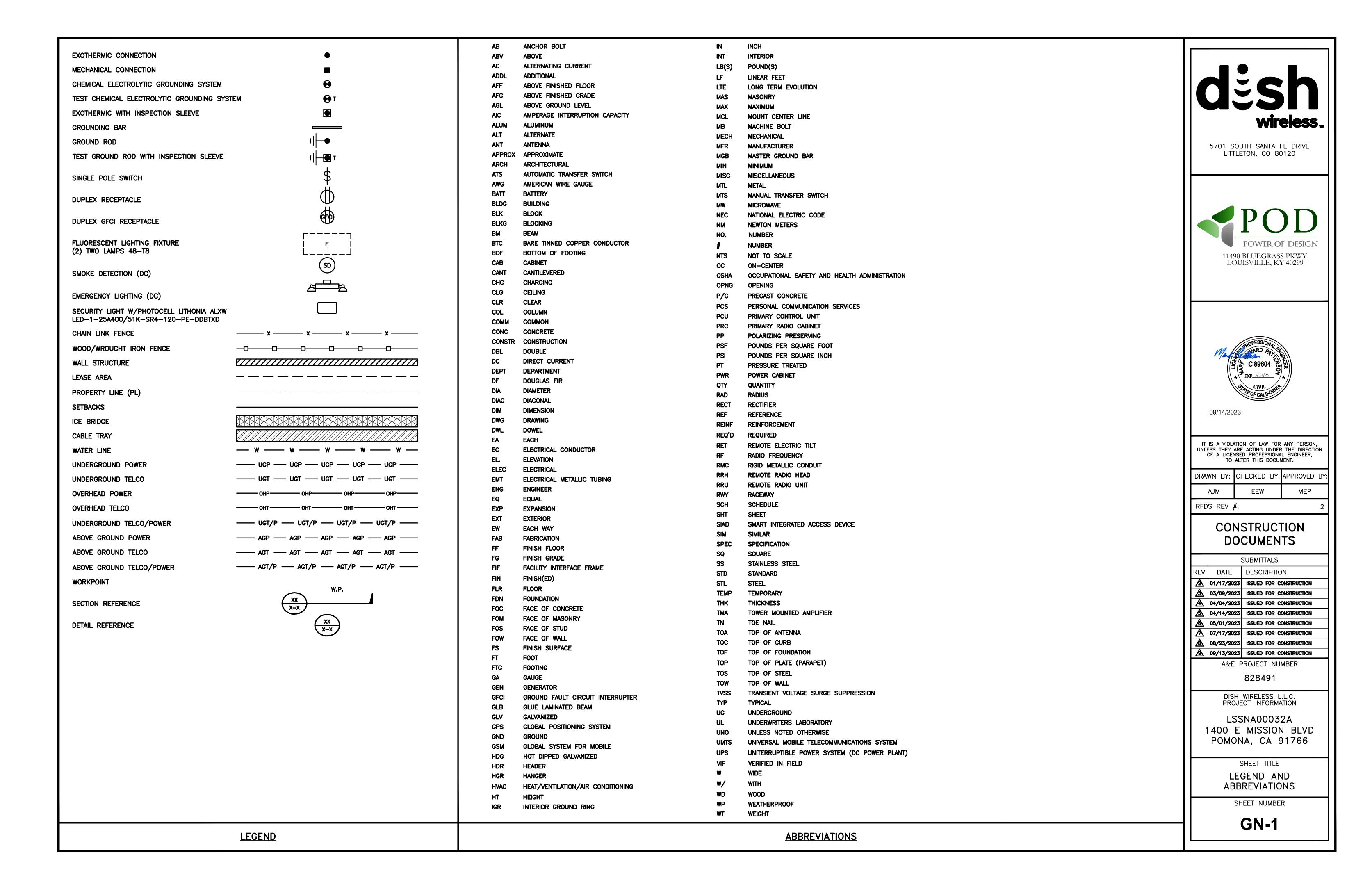


MEP









		SIGN TYPES
TYPE	COLOR	COLOR CODE PURPOSE
INFORMATION	GREEN	"INFORMATIONAL SIGN" TO NOTIFY OTHERS OF SITE OWNERSHIP & CONTACT NUMBER AND POTENTIAL RF EXPOSURE.
NOTICE	BLUE	"NOTICE BEYOND THIS POINT" RF FIELDS BEYOND THIS POINT MAY EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT. OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RF ENVIRONMENTS. IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(b)
CAUTION	YELLOW	"CAUTION BEYOND THIS POINT" RF FIELDS BEYOND THIS POINT MAY EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT. OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RF ENVIRONMENTS. IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(b)
WARNING	ORANGE/RED	"WARNING BEYOND THIS POINT" RF FIELDS AT THIS SITE EXCEED FCC RULES FOR HUMAN EXPOSURE. FAILURE TO OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RF ENVIRONMENTS COULD RESULT IN SERIOUS INJURY. IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(b)

SIGN PLACEMENT:

- RF SIGNAGE PLACEMENT SHALL FOLLOW THE RECOMMENDATIONS OF AN EXISTING EME REPORT, CREATED BY A THIRD PARTY PREVIOUSLY AUTHORIZED BY DISH
- INFORMATION SIGN (GREEN) SHALL BE LOCATED ON EXISTING DISH Wireless L.L.C EQUIPMENT. A) IF THE INFORMATION SIGN IS A STICKER, IT SHALL BE PLACED ON EXISTING DISH Wireless L.L.C EQUIPMENT CABINET.
- IF EME REPORT IS NOT AVAILABLE AT THE TIME OF CREATION OF CONSTRUCTION DOCUMENTS; PLEASE CONTACT DISH Wireless L.L.C. CONSTRUCTION MANAGER FOR FURTHER INSTRUCTION ON HOW TO PROCEED.

- 1. FOR DISH Wireless L.L.C. LOGO, SEE DISH Wireless L.L.C. DESIGN SPECIFICATIONS (PROVIDED BY DISH Wireless L.L.C.)
- 3. TEXT FOR SIGNAGE SHALL INDICATE CORRECT SITE NAME AND NUMBER AS PER DISH WIRELESS L.L.C. CONSTRUCTION MANAGER RECOMMENDATIONS.
- 5. ALL SIGNS WILL BE SECURED WITH EITHER STAINLESS STEEL ZIP TIES OR STAINLESS STEEL TECH SCREWS
- 6. ALL SIGNS TO BE 8.5"x11" AND MADE WITH 0.04" OF ALUMINUM MATERIAL

INFORMATION

This is an access point to an area with transmitting antennas.

Obey all signs and barriers beyond this point. Call the DISH Wireless L.L.C. NOC at 1-866-624-6874

Site ID: LSSNA00032A



THIS SIGN IS FOR REFERENCE PURPOSES ONLY



Transmitting Antenna(s)

Radio frequency fields beyond this point MAY **EXCEED** the FCC Occupational exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.

Call the DISH Wireless L.L.C. NOC at 1-866-624-6874 prior to working beyond this point.

Site ID: LSSNA00032A





Transmitting Antenna(s)

Radio frequency fields beyond this point MAY **EXCEED** the FCC Occupational exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.

Call the DISH Wireless L.L.C. NOC at 1-866-624-6874 prior to working beyond this point.

Site ID: LSSNA00032A



Transmitting Antenna(s)

Radio frequency fields beyond this point **EXCEED** the FCC Occupational exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.

Call the DISH Wireless L.L.C. NOC at 1-866-624-6874 prior to working beyond this point.

Site ID: LSSNA00032A

wireless.

5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120





	DRAWN BY:	CHECKED BY:	APPROVED	В
	AJM	EEW	MEP	
	RFDS REV	#:		2

CONSTRUCTION **DOCUMENTS**

	SUBMITTALS				
REV	DATE	DESCRIPTION			
A	01/17/2023	ISSUED FOR CONSTRUCTION			
<u>A</u>	03/09/2023	ISSUED FOR CONSTRUCTION			
A	04/04/2023	ISSUED FOR CONSTRUCTION			
⋬	04/14/2023	ISSUED FOR CONSTRUCTION			
₽	05/01/2023	ISSUED FOR CONSTRUCTION			
A	07/17/2023	ISSUED FOR CONSTRUCTION			
▲	08/23/2023	ISSUED FOR CONSTRUCTION			
₽	09/13/2023	ISSUED FOR CONSTRUCTION			
A&E PROJECT NUMBER					

828491

DISH WIRELESS L.L.C. PROJECT INFORMATION

LSSNA00032A 1400 E MISSION BLVD POMONA, CA 91766

> SHEET TITLE RF SIGNAGE

SHEET NUMBER

GN-2

RF SIGNAGE

SITE ACTIVITY REQUIREMENTS:

- 1. NOTICE TO PROCEED NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH WIRELESS L.L.C. AND TOWER OWNER OWNER NOC & THE DISH WIRELESS L.L.C. AND TOWER CONSTRUCTION MANAGER.
- 2. "LOOK UP" DISH WIRELESS L.L.C. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH WIRELESS L.L.C. AND DISH WIRELESS L.L.C. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

- 3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- 4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH WIRELESS L.L.C. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA—322 (LATEST EDITION).
- 5. ALL SITE WORK TO COMPLY WITH DISH WIRELESS L.L.C. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH WIRELESS L.L.C. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
- 6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH WIRELESS L.L.C. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- 7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- 8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.
- 10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- 11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- 12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- 13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH WIRELESS L.L.C. AND TOWER OWNER, AND/OR LOCAL UTILITIES.
- 14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- 15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- 16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
- 18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- 19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- 20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- 21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- 22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

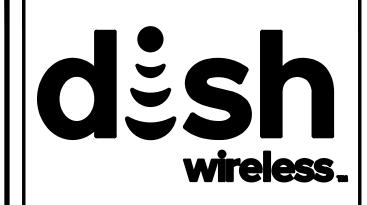
1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

CARRIER: DISH WIRELESS L.L.C.

TOWER OWNER:TOWER OWNER

- 2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- 3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
- 4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- 5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
- 6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.
- 7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- 8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- 11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
- 12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF DISH WIRELESS L.L.C. AND TOWER OWNER
- 13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- 14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120





09/14/2023

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:
AJM	EEW	MEP
RFDS REV	 #:	2

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV DATE DESCRIPTION

101/17/2023 ISSUED FOR CONSTRUCTION

103/09/2023 ISSUED FOR CONSTRUCTION

104/04/2023 ISSUED FOR CONSTRUCTION

105/01/2023 ISSUED FOR CONSTRUCTION

105/01/2023 ISSUED FOR CONSTRUCTION

107/17/2023 ISSUED FOR CONSTRUCTION

108/23/2023 ISSUED FOR CONSTRUCTION

109/13/2023 ISSUED FOR CONSTRUCTION

828491

DISH WIRELESS L.L.C. PROJECT INFORMATION

LSSNA00032A 1400 E MISSION BLVD POMONA, CA 91766

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-3

CONCRETE. FOUNDATIONS. AND REINFORCING STEEL:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST—IN—PLACE CONCRETE.
- 2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- 3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT.
- 4. CONCRETE EXPOSED TO FREEZE—THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER—TO—CEMENT RATIO (W/C) OF 0.45.
- 5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:

#4 BARS AND SMALLER 40 ksi

#5 BARS AND LARGER 60 ksi

- 6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
- CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER 2"
- #5 BARS AND SMALLER 1-1/2"
- CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
- SLAB AND WALLS 3/4"
- BEAMS AND COLUMNS 1-1/2"
- 7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- 2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- 3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- 4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- 5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR—CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- 6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
- 7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- 8. TIE WRAPS ARE NOT ALLOWED.
- 9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- 12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI—CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN—2, XHHW, XHHW—2, THW, THW—2, RHW, OR RHW—2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP—STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- 14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- 15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

- 6. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- 17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- 18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- 19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION—TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- 20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- 21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
- 22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
- 24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY—COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.
- 25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY—COATED OR NON—CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- 26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- 27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH WIRELESS L.L.C. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- 28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- 29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH WIRELESS L.L.C.".
- 30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120





09/14/2023

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 B	Y:
AJM	EEW	MEP	
RFDS REV	#:	2	$\sum_{i=1}^{n}$

CONSTRUCTION DOCUMENTS

	SUBMITTALS				
REV	DATE	DESCRIPTION			
A	01/17/2023	ISSUED FOR CONSTRUCTION			
<u>\$</u>	03/09/2023	ISSUED FOR CONSTRUCTION			
A	04/04/2023	ISSUED FOR CONSTRUCTION			
A	04/14/2023	ISSUED FOR CONSTRUCTION			
A	05/01/2023	ISSUED FOR CONSTRUCTION			
⚠	07/17/2023	ISSUED FOR CONSTRUCTION			
▲	08/23/2023	ISSUED FOR CONSTRUCTION			
<u> A</u>	09/13/2023	ISSUED FOR CONSTRUCTION			
	A&E PROJECT NUMBER				

828491

DISH WIRELESS L.L.C. PROJECT INFORMATION

LSSNA00032A 1400 E MISSION BLVD POMONA, CA 91766

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-4

GROUNDING NOTES:

- 1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- 2. THE CONTRACTOR SHALL PERFORM IEEE FALL—OF—POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- 4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- 5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- 6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- 7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
- 8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- 9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- 10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- 11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- 12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- 13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- 14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- 15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- 16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- 17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- 18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- 19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- 20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
- 21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/O COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120





09/14/2023

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:
AJM	1	EEW		MEP	
RFDS F	REV ;	#:			2

CONSTRUCTION DOCUMENTS

	SUBMITTALS				
REV	DATE	DESCRIPTION			
A	01/17/2023	ISSUED FOR CONSTRUCTION			
<u>\$</u>	03/09/2023	ISSUED FOR CONSTRUCTION			
A	04/04/2023	ISSUED FOR CONSTRUCTION			
lacktriangle	04/14/2023	ISSUED FOR CONSTRUCTION			
®	05/01/2023	ISSUED FOR CONSTRUCTION			
A	07/17/2023	ISSUED FOR CONSTRUCTION			
A	08/23/2023	ISSUED FOR CONSTRUCTION			
	09/13/2023	ISSUED FOR CONSTRUCTION			
	A&E F	PROJECT NUMBER			

828491

DISH WIRELESS L.L.C. PROJECT INFORMATION

LSSNA00032A 1400 E MISSION BLVD

POMONA, CA 91766

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-5