ESM wireless.

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

DNDEN00174A

DISH WIRELESS, L.L.C. SITE ADDRESS:

5393 SAGUARO CIR COLORADO SPRINGS, CO 80925

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 BUILDING MECHANICAL CODE 2018 IBC 2018 IMC

PROPOSED WORK IS COMPLIANT WITH 6409(a) ELIGIBLE FACILITIES REQUEST CRITERIA.

	SHEET INDEX			
SHEET NO.	SHEET TITLE			
T-1	TITLE SHEET			
LS-1	SITE SURVEY			
LS-2	SITE SURVEY			
LS-3	SITE SURVEY			
A-1	OVERALL AND ENLARGED SITE PLAN			
A-2.1	TOWER ELEVATIONS			
A-2.2	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 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-2	RF SIGNAGE			
GN-3	GENERAL NOTES			
GN-4	GENERAL NOTES			
GN-5	GENERAL NOTES			

Approved

By:Craig Dossey, Executive Director Date: 03/21/2022



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 EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
 INSTALL (1) PROPOSED T-ARM MOUNT (MC-K6MHDX-9-96)
- INSTALL (6) PROPOSED RRUS (2 PER SECTOR)
 INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE INSTALL PROPOSED JUMPERS

GROUND SCOPE OF WORK

- INSTALL (1) PROPOSED METAL PLATFORM
- INSTALL (1) PROPOSED ICE BRIDGE INSTALL (1) PROPOSED PPC CABINET
- INSTALL
- PROPOSED FOLLIPMENT CARINET INSTALL PROPOSED POWER CONDUIT
- INSTALL
- PROPOSED TELCO CONDUIT
 PROPOSED TELCO-FIBER BOX INSTALL
- INSTALL PROPOSED GPS LINIT
- INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)
- PROPOSED FIBER NID (IF REQUIRED)
- INSTALL (1) PROPOSED 200A METER ON NEW H-FRAME

SITE PHOTO





UNDERGROUND SERVICE ALERT UTILITY NOTIFICATION CENTER OF COLORADO (800) 922-1987 WWW.COLORADO811.ORG

CALL 2 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

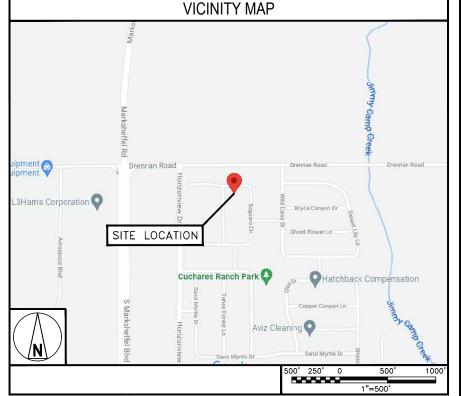
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INF	ORMATION	PROJ	ECT DIRECTORY
PROPERTY OWNER: ADDRESS:	MD7 CAPITAL ONE L.L.C. 10590 W OCEAN AIR DR SUITE 300 SAN DIEGO, CA 92130-4682	APPLICANT:	DISH WIRELESS, L.L.C. 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120 (303) 723-1000
TOWER TYPE:	MONOPOLE	TOWER OWNER:	CROWN CASTLE
TOWER CO SITE ID:	823518	TOWER OF THE	2000 CORPORATE DRIVE CANONSBURG, PA 15317
TOWER APP NUMBER:	551448		(877) 486-9377
COUNTY:	EL PASO	SITE DESIGNER:	TOWER ENGINEERING PROFESSIONALS 4710 E ELWOOD ST, STE 9
LATITUDE (NAD 83):	38.780153 N	PHOENIX, AZ 85040 (919) 661-6351	
LONGITUDE (NAD 83):	104.655603° W		
ZONING JURISDICTION:	COUNTY OF EL PASO	SITE ACQUISITION	N: NICHOLAS CURRY (980) 430-8582
ZONING DISTRICT:	RS-6000 CAO-0		, ,
PARCEL NUMBER:	5503119017	CONSTRUCTION MANAGER:	DANIEL THOEN DANIEL.THOEN@DISH.COM
OCCUPANCY GROUP:	U		
CONSTRUCTION TYPE:	II-B	RF MANAGER:	RAM VAIDEESWARAN RAM.VAIDEESWARAN@DISH.COM
POWER COMPANY:	MOUNTAIN VIEW ELECTRIC		
TELEPHONE COMPANY:	TBD		

DIRECTIONS

DIRECTIONS FROM COLORADO SPRINGS AIRPORT:

HEAD EAST ON SAGUARO CIR. TURN LEFT TO STAY ON SAGUARO CIR. TURN LEFT ONTO WILD DAISY DR. TURN LEFT ONTO DRENNAN ROAD. TURN LEFT ONTO S MARKSHEFFEL BLVD. TURN RIGHT ONTO BRADLEY RD. SLIGHT RIGHT. MERGE WITH CO-21 N. TURN RIGHT ONTO MILTON E PROBY PKWY.



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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
GBP	JFJ	BAP

RFDS REV #:

CONSTRUCTION **DOCUMENTS**

SUBMITTALS			
REV	DATE	DESCRIPTION	
Α	05-04-21	PRELIMINARY	
В	06-30-21	FAULT CALCS	
0	10-06-21	CONSTRUCTION	
1	01-28-22	CONSTRUCTION	
AAE DDO IEST AUUSDED			

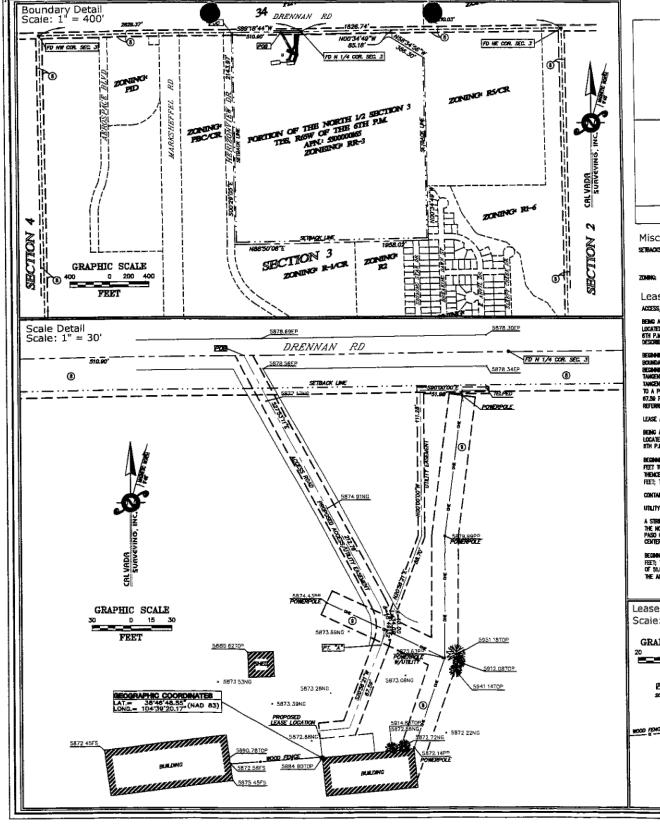
A&E PROJECT NUMBER 56340.266400

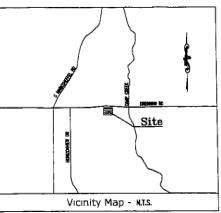
DNDEN00174A CO-CCI-T-823518 5393 SAGUARO CIR CO SPRINGS, CO 80926

> SHEET TITLE TITLE SHEET

SHEET NUMBER

T-1





Miscellaneous Notes:

SETRACKS: FRONT, 25' (PLOTTED)
BACK, 25' (PLOTTED)
SIDE, 15' (PLOTTED)

Lease Area/Access & Utility Easements ACCESS ATTILITY EASIBAINT

BEING A STREP OF LAND 12.00 FEET IN WOTH WITHIN A PORTION OF A TRACT OF LAND Located in the north 1/2 of Section 3 tomashe 15 South, range 85 West of the 8TH Pill, EL Pass County, Colorido, Being 8.00 Feet on Each Size of the Following Described Controline.

BESIMAND AT THE SOUTHWEST CORNER OF SAID TRACT OF LAND, THEME ALONG THE MORTH DUBLOARY LIBE OF SAID TRACT INDIVIDUAL STATE OF SIGNO FEST TO THE POINT OF A RESIMAND. THEME SZYSTÁTÝ, A DESTAMAC OF SIGNO FEST TO THE POINT OF A TAMBORT CURVE CONDICKE NORTHEAST HANGE A RADIOS OF 40,000 FEST, THEMES ALONG SAID THAMSON TO AND THEME STATE OF THEMES ALONG SAID THAMSON TO AND THEMES THEMES AND FEST TO A POINT HEREMATURE REFERRED TO AS POINT "A", THEMES SZYSTÁTÍN", A DESTAMAC OF STAD FEST, THEMES SANGTAST, A DISTAMAC OF 22.86 FEST TO A POINT HEREMATER REFERRED TO AS POINT "A" THEMES TO AS POINT "A" AND THE DISTAGE OF 22.86 FEST TO A POINT HEREMATER REFERRED TO AS POINT "A" AND THE DIST OF SAID STOP OF LIMB.

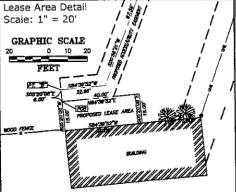
BEING A TELECOMMUNICATIONS LEASE AREA WITHIN A PORTION OF A TRACT OF LAND LOCATED IN THE MORTH 1/2 OF SECTION 3 TOWNSHIP 15 SOUTH, RAMCE 85 NEST OF THE ETH P.M., EL PASO COUNTY, COLORAGO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEDBANDIG AT POINT "B" AS DESCRIBED ARONE; THENCE SUSPICION", A DISTANCE OF B.00 FRET TO THE TRUE POINT OF BEDBANDIG THENCE HON-SYSTEM, A DISTANCE OF ALOO FRET; THENCE SUSPICION'S, A DISTANCE OF 15.00 FRET, THENCE SHAMESTIA, A DISTANCE OF 40.00 FRET; THENCE NOS/ZUDON'S, A DISTANCE OF 15.00 FRET; TO THE TRUE POINT OF BEDBANDIG.

UTILITY EASEMENT

A STREP OF LAND 5.00 FEET IN WIDTH NITHIN A PORTION OF A TRACT OF LAND LOCATED IN THE NORTH 1/2 OF SECTION 3 TOWNSIEP 15 SOUTH, RANGE 55 WEST OF THE 8TH PAL, EL PAGO COLUMY, CELORADO, BEING 2.50 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

BECANNING AT POINT "A" AS DESCRIBED ABOVE; THENCE NEXTSÉZI"E, A DISTANCE OF 88,70 FRET; THENCE NOCKONOTIVI, A DISTANCE OF "111,28 FET; THENCE SKODOTOVIE, A DISTANCE OF 51,88 FEET TO THE 59D OF 800 STRP OF LAND, DUCEPT THAT PORTION L'INNE WITHIN THE ACCESS/JUILLITY EASEMENT DESCRIBED ABOVE.



PREPARED BY: TRANSMATION TITLE INSURANCE COMPAN DRIVER NO.: DLC-03-001610 REPORT DATED: NOWEMBER 24, 2003

Legal Description

LEGAT DESCRIPCION

A TRACT OF LAND LOUNTED IN THE MORTH \$\frac{1}{2}\$ OF SECTION 3 TOWNSHIP 15 SOUTH, RAINGE 65

REST OF THE 69th PAL, EL PASO COUNTY, COLURADO, MORE PARTICULARLY DESCRIBED AS
FOLLOWS

COMMENCING AT A POINT OF INTERSECTION OF THE EASTERLY RIGHT OF WAY OF

MARKISHEPPE, ROAD WITH THE MORTHERY LINE OF SAID SECTION 3, TRIDICE MORESTON'S

MARKISHEPPE, ROAD WITH THE MORTHERY LINE OF SAID SECTION 3, TRIDICE MOSTON'S AT WITH APPRICADE ASSERTING THE POINT OF BEAMONE, THEMSE SOUTOS'AN'W

PARALLE, WITH APPRICADE EASTERLY RIGHT OF WAY OF MARKISHEPPER ROAD A DISTANCE OF

21/43/87 FEET EMPLIC MORTHERY'S TRISHOUR RECONSTRUCTION LINESTED TO A POINT ON SAID

MORTH SECTION LINE; THEMSE SENTETON'S ON SAID MORTH SECTION LINE TO THE POINT OF

BECEMBRISH.

Assessor's Parcel No.

Easements

- EXCEPT 60 FOOT RIGHT OF MAY TO EL PASO COUNTY ALONG ALL SECTION LINES AS RECORDED IN ROAD BOOK A AT PAGE 78 BEING 30 FEET ON EACH SIDE OF EACH SECTION LINE. (PLOTTED HEREIN).
- (3) GRANT OF RIGHT OF WAY TO MOUNTAIN VIEW ELECTRIC ASSOCIATION, INC. RECORDED IN BOOK 5127 AT PACE 510. (PLOTIED).
- (B) GRANT OF RIGHT OF WAY TO EL PASO COUNTY MUTUAL TELEPHONE COMPANY RECORDED IN BOOK 2404 AT PAGE 57M. (BLANKET IN NATURE).

Geographic Coordinates as Shown

Date of Survey JANUARY 15, 2004

Basis of Bearings

THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NADES).

Bench Mark

NGS CONTROL POINT "12 HA", ELEVATION = 5895 FEET (NAVO 88)

Legend

0	Bollard Doncrete pavement
*	CONFEROUS TREE
ĕ	DAMETER
*	DECIDIOUS TREE
FS	FINESH SURFACE
FL.	FLOW LINE
•	FOUND MONUMENT AS NOT

LIGHT STANDARD NATURAL GROUND OVERHEAD ELECTRICAL LINE POWER POLE -0E-ROW S) TMP WHIELE WV SO PROPERTY LINE RIGHT OF WAY SEWER MANHOLE SKIN POST TYPICAL

T·Mobile:

2025 DELOANY STREET DENMER, CO 80216

PROJECT INFORMATION:

CUCHARES RANCH DN03486D

9265 DRENNAN RD. COLORADO SPRINGS, CO EL PASO COUNTY

CURRENT ISSUE DATE:

1/4/05

SSUED FOR:

CONSTRUCTION

Ē	KEV.:-	DAIL:	DESCRIPTION:	013
П	Δ	1/16/04	SUBMITTAL	Л
I	Δ		ADD LEASE AREA & ACCESS EASEMENT	u
I	Δ	3/1/04	RELOCATE UTILITY EASEMENT	ı
I	Δ	03/16/04	ADDED VARIANCE OF USE MAP AND 2ND SHEET	ANNA
H	Δ			
H	Δ			
1	Δ			
1	Δ			
1	Δ			

=PLANS PREPARED BY:=

Communication Services, Inc.

7720 E. Belleview, Ste. B-350 Englewood, Co. 80111 Telephone: (303) 740-9585 Fax: (303) 740-9608

ALL DIRECTOR AND STATEM WATERING CONTRACT HEREN AND THE PROPERTY OF COMMUNICATION STATEMENT, INC. AND MAY NOT BE NUMBERED, LISTED ON DIRECTORS STATEMENT THERE WITCH CHARGES ____CHK.:====APV.:= JAL JS

LICENSURE:

CAL VADA

SURVEYING, INC. 6880 South Yosendia Court Suite 2000 Englepead, CO 60112-1448 Phone: (720) 486-1303 Fast (720) 486-1306

TOPOGRAPHIC SURVEY

SHEET NUMBER:

SHEET TITLE:

SHEET 1 OF 2

SITE SURVEY

SHEET NUMBER

SITE SURVEY

NO SCALE



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

5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



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DRAWN BY:	CHECKED BY:	APPROVED BY
GBP	JFJ	BAP

RFDS REV #:

CONSTRUCTION DOCUMENTS

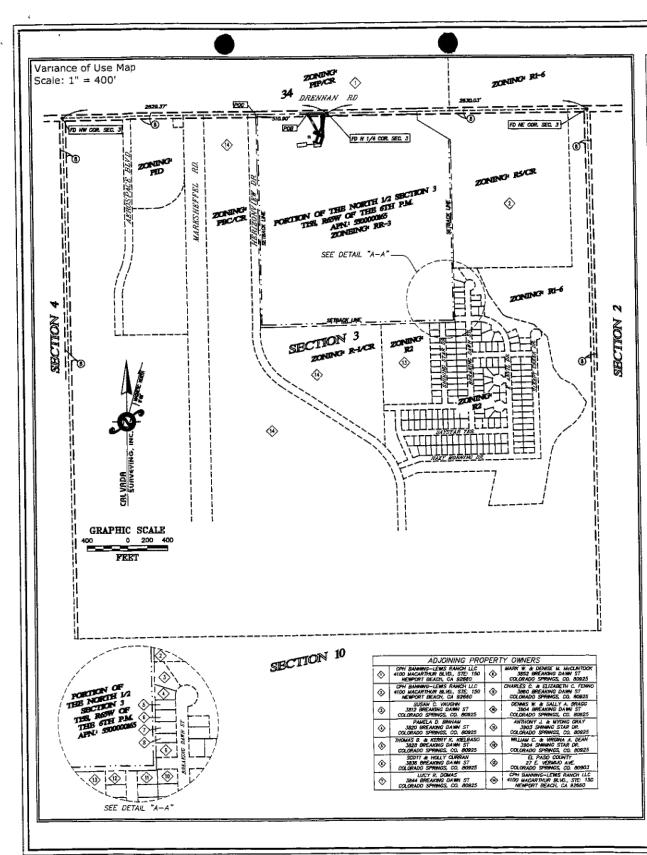
	SUBMITTALS				
REV	DATE	DESCRIPTION			
Α	05-04-21	PRELIMINARY			
В	06-30-21	FAULT CALCS			
0	10-06-21	CONSTRUCTION			
1	01-28-22	CONSTRUCTION			
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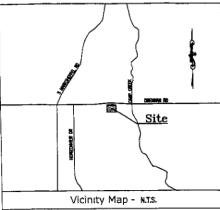
A&E PROJECT NUMBER 56340.266400

DNDENO0174A CO-CCI-T-823518 5393 SAGUARO CIR CO SPRINGS, CO 80926

SHEET TITLE

LS-1





Miscellaneous Notes: SETBACKS: FRONT, 25' (PLOTTED) BACK, 25' (PLOTTED) SDE, 15' (PLOTTED)

NORTH: PBC SOUTH: PBC EAST: R1-6 WEST: PBC

Lease Area/Access & Utility Easements

Being a strip of land 12.00 feet in worth when a portion of a tract of land Located in the north 122 of section 3 township 15 south, range 15 kest of the offi pla, 1, pass county, colorado, being 8.00 feet on each side of the following desorbed contreams:

BEING A TELECOMMUNICATIONS LEASE AREA WITHIN A PORTION OF A TRACT OF LAND LOCATED IN THE MORTH 1/2 OF SECTION 3 TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BECOMMING AT POINT "B" AS DESCRIBED ABOVE: THENCE SOSTOTOR"E, A DISTANCE OF 8.00
FRET TO THE TRUE POINT OF BECOMMING, THENCE INMITIATELY, A DISTANCE OF 40.00 FEET;
THENCE SOSTOTOR"E, A DISTANCE OF 15.00 FEET; THENCE SOSTOTOR"E, A DISTANCE OF 40.00 FEET; THENCE MOS20'08"N, A DISTANCE OF 15.00 FEET; TO THE TRUE POINT OF BEGINNING.

CONTAINING 600 SQ. FT. MORE OR LESS.

UTILITY EASEMENT

A STRIP OF LAND 5.00 FEET IN WIDTH WITHIN A PORTION OF A TRACT OF LAND LOCATED IN THE NORTH 1/2 OF SECTION 3 TOWNSHIP 15 SOUTH, RANGE 85 WEST OF THE 6TH P.M., E. PASO COLUMN, COLORADO, BEING 2.50 FEET ON EACH SDE OF THE POLLOWING DESCRIBED CENTERLINE.

BEDRANNE AT POINT "A" AS DESCRIBED ABONE; THENCE N2075/21"C, A DISTANCE OF 88.70 FEET; THENCE MOODINGTH, A DISTANCE OF 111.28 FEET; THENCE SOUTCHOUTE, A DISTANCE OF \$1.88 FEET TO THE END OF \$400 STEP OF LAND. EXCEPT THAT PORTION LYNN WITHIN THE ACCESS/JUTLITY ENSEMBLY DESCRIBED ABONE.



Title Report

PREPARED BY: TRANSMATION TITLE INSURANCE COMPANY ORDER NO.: DILE-03-001610 REPORT DATED: NOVEMBER 24, 2003

Legal Description

A TRACT OF LAND LOCATED IN THE HORTH \$ OF SECTION 3 TOWNSHIP 15 SOUTH, RANGE BS WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A POINT OF INTERSECTION OF THE EASTERLY RIGHT OF WAY OF MARKSHEFFEL ROAD WITH THE NORTHERLY LINE OF SAID SECTION 2; THENCE NOWS TO SECTION 2; THENCE NOWS TO SECTION 3; THENCE NO ALONG SMO MORTHERLY LINE STYLIS FEET TO THE POINT OF BEDBORNS, THENCE SCOTES AND PARALLES WITH MODESAND ENSTDRLY ROATH OF WAY OF MANUSCHIPTE, ROAD A DOSTAMES, OF 248.87 FEET; THENCE MODIFIES TO SERVED, FEET THENCE MODIFIED STRAYS FEET, THENCE MOSTORYW 388.30 FEET; THENCE MODIFIED EASTS FEET TO A POINT ON SMO NORTH SECTION LINE; THENCE SEPTS3'06"W ON SAID NORTH SECTION LINE TO THE POINT OF

Assessor's Parcel No.

- GRANT OF RIGHT OF WAY TO MOUNTAIN VIEW ELECTRIC ASSOCIATION, INC. RECORDED IN BOOK 5127 AT PAGE 510. (PLOTED).
- (1) GRANT OF RIGHT OF WAY TO EL PASO COUNTY MUTUAL TELEPHONE COMPANY RECORDED I BOOK 2404 AT PAGE 578. (BLANKET IN NATURE).

Geographic Coordinates as Shown 1963 DATUM: LATITUDE 36" 46" 48.55" LONGTRIDE 104" 36" 20.17"

Date of Survey

Basis of Bearings

THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (NADIS).

Bench Mark

NGS CONTROL POINT "12 HA", ELEVATION = 5885 FEET (NAVO 88)

Legend

۰	BOLLARD	*	LIGHT STANDARD
2.56	CONCRETE PAVEMENT	NG	NATURAL CROUND
346	CONFEROUS TREE	-OHE-	OVERHEAD ELECTRICAL LI
*		_	POWER POLE
•	DAMETER		PROPERTY LINE
*	DECIDUOUS TREE	ROW.	RIGHT OF WAY
FS	FINISH SURFACE	(S)	SEWER MANHOLE
FL.	ROW LINE	-0-	SIGN POST
	FOUND MONUMENT AS NOTED	TYP	TYPICAL
CM 123	CAS METER	₩##	WATER METER
OH ELI	GAS MEJER	₩Ø	WATER VALVE

Certificate of Survey

DATE: ___

JOSEPH W. STICE III, PLS 36072

THIS DOES NOT REPRESENT A MONUMENTED SURVEY. RETERIORS INCO THE TRANSPORT OF THE PROPERTY AND SOUTHER TO SOUTH THE SERVICE OF THE MERCHANT PROFIT THE MERCHANT, MARRIER DICE-OL-OWHIG, ISSED BY THANKATION THE MERCHANT COURTY, AND HANDE AN EFFICIENC DATE OF MORESTER 24. 2003. THIS SUPPLIED HAS SERVICED FOR ESSENCES OF FEMALES, ORDERSON THE PROPERTY OF ANY OTHER FACTS THAT AN ACCURATE AND CURRON THE SEARCH MAY DECIDES. THE LESCON'S LIBEL DECORPTION AND RECORD BOOMBACK ARE SOME HERCEN FOR REPERBER OUT.

THIS SUPPLY DOES NOT CONSTITUTE A BOMBARY SERVEY OF THE LESCON'S PROPERTY.

T · · Mobile ·

2895 DELOANY STREET DENNER, CO 80216

PROJECT INFORMATION:

CUCHARES RANCH DN03486D

9265 DRENNAN RD COLORADO SPRINGS, CO EL PASO COUNTY

CURRENT ISSUE DATE:

DSSLIED FOR:

1/4/05

CONSTRUCTION

REV.:=DATE:=	DESCRIPTION:

١	Δ	1/16/04	SUBMITTAL	J
١	Λ	2/25/04	ADD LEASE AREA & ACCESS EASEMENT	л
1	Δ	3/1/04	RELOCATE UTILITY EASEMENT	Л
	◬	03/16/04	ADDED VARIANCE OF USE MAP AND 2ND SHEET	AWA
١	Δ			
	Δ			
	Δ			
	Δ			
				1

PLANS PREPARED BY:

Communication Services, Inc.

7720 E. Belleview, Ste. B-350 Englewood, Co. 80111 Telephone: (303) 740-9585 Fax: (303) 740-9608 ALL DEMONSH AND MOTTON WITHOUT CONTINUE HEREN AND THE PROPERTY OF COMMANDATION SERVICES, AND, MAY NOT BE DUPLICATED, LISTO OR DISCLOSED WITHOUT THEIR SHITTEN CONDU-

_	DRAWN	BY:	=CHK.:===	APV.:
		JT	JAL	JS

=LICENSURE:===

CAL VADA

SURVEYING, INC.

SHEET TITLE:

TOPOGRAPHIC SURVEY

SHEET NUMBER:

SHEET 2 OF 2

5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



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



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GBP JFJ BAP	DRAWN B	:	CHECKED	BY:	APPROVED	BY:
	GBP		JFJ		BAP	

RFDS REV #:

CONSTRUCTION **DOCUMENTS**

		SUBMITTALS		
REV	DATE	DESCRIPTION		
Α	05-04-21	PRELIMINARY		
В	06-30-21	FAULT CALCS		
0	10-06-21	CONSTRUCTION		
1	01-28-22	CONSTRUCTION		

A&E PROJECT NUMBER

56340.266400

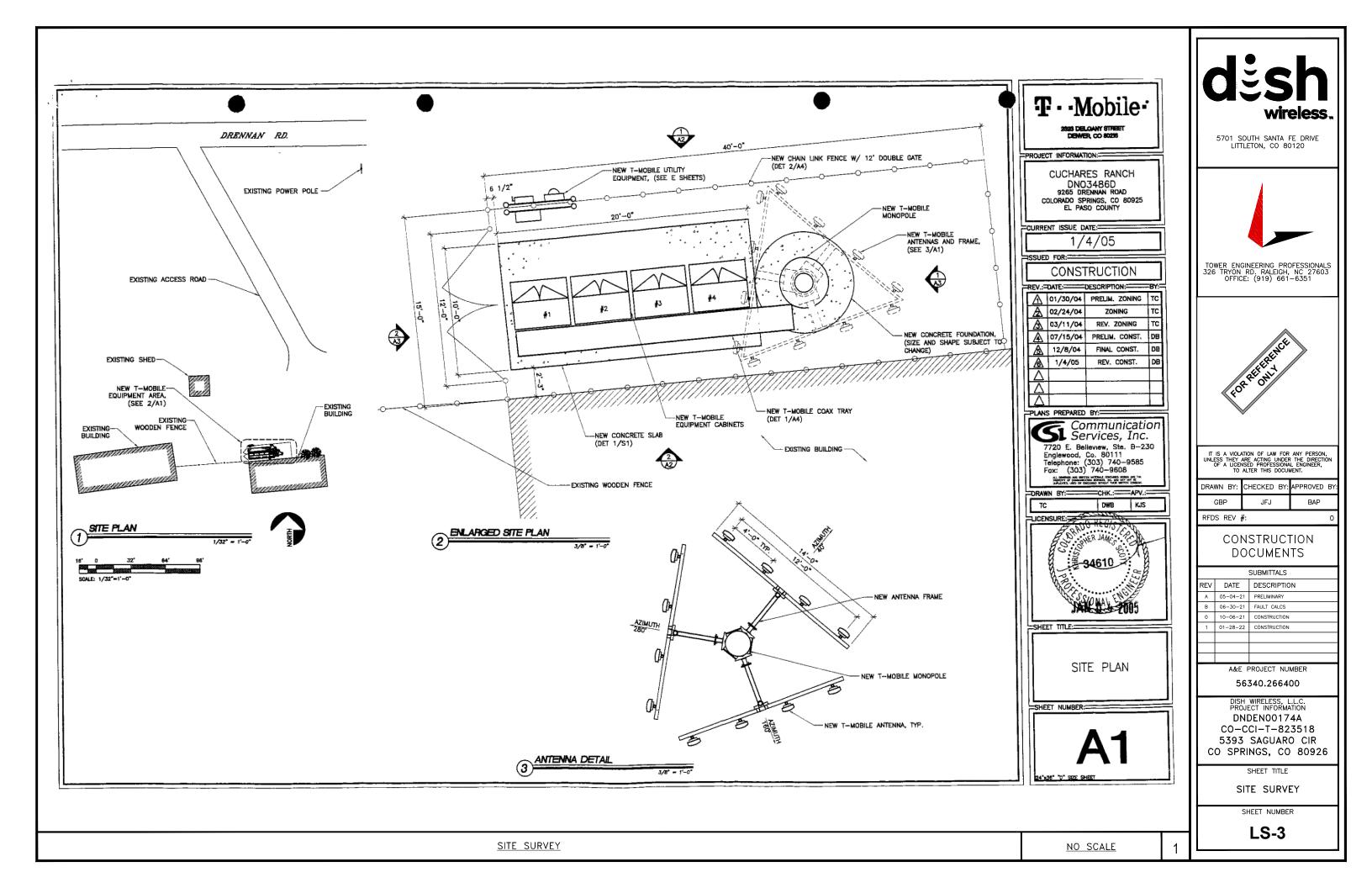
DISH WIRELESS, L.L.C. PROJECT INFORMATION DNDEN00174A CO-CCI-T-823518 5393 SAGUARO CIR CO SPRINGS, CO 80926

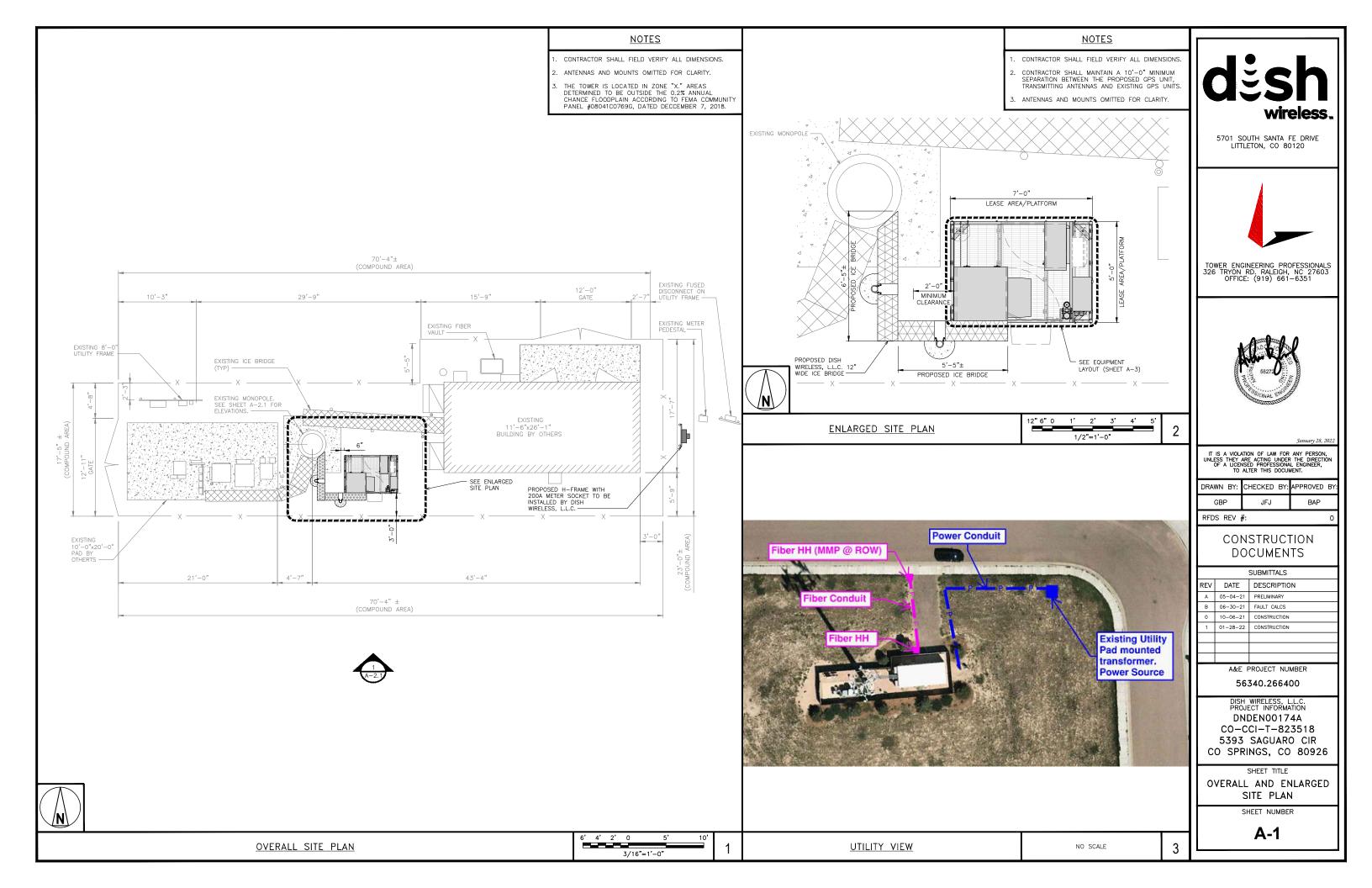
SHEET TITLE

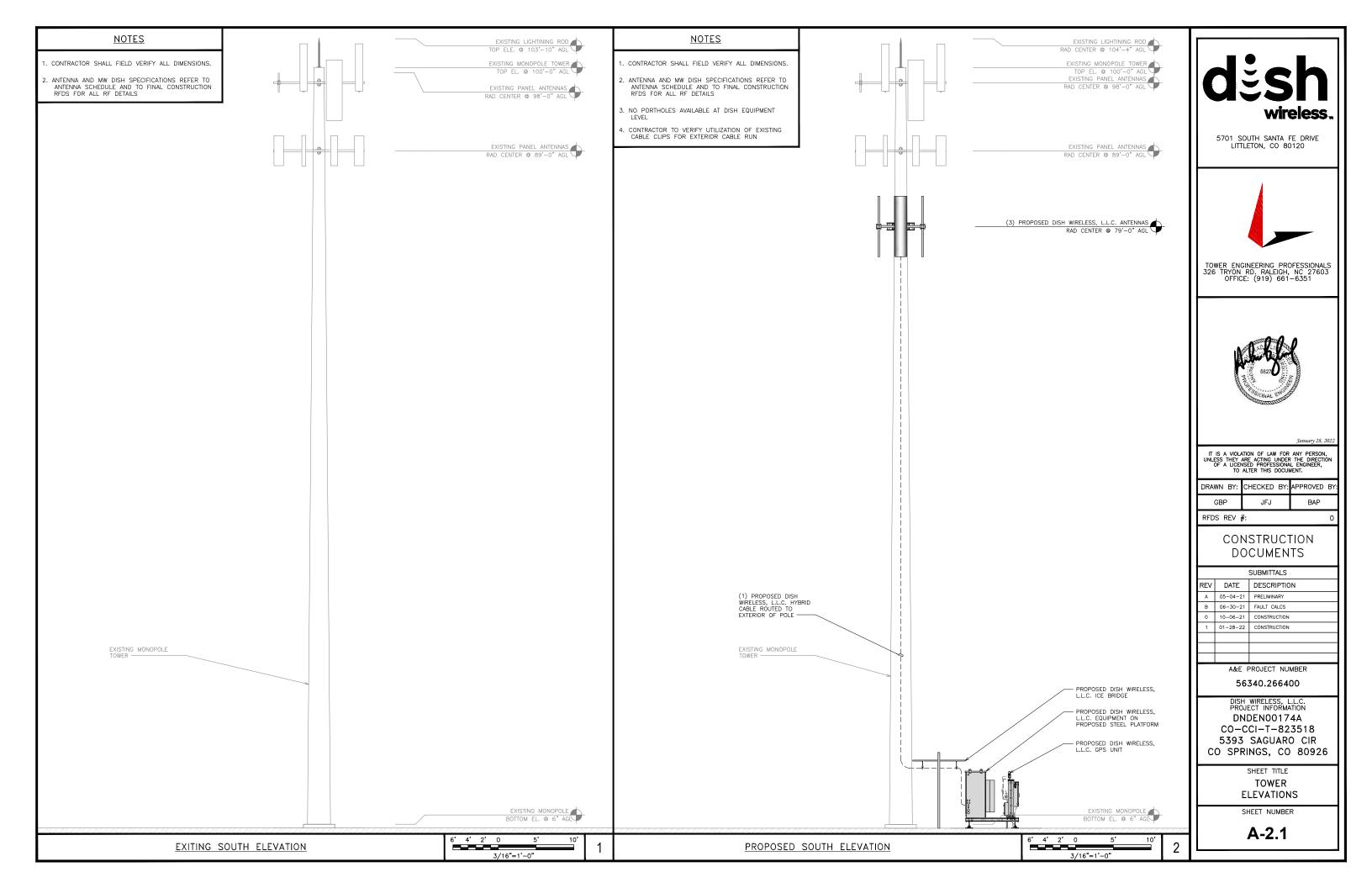
SITE SURVEY

SHEET NUMBER

LS-2

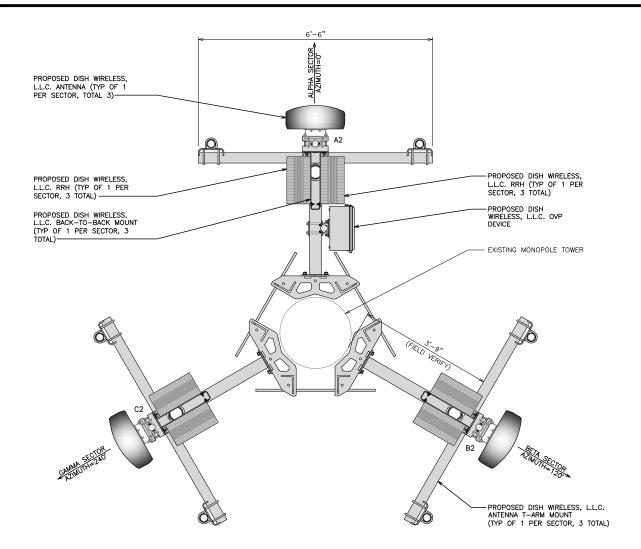






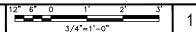
<u>NOTES</u>

- 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS





ANTENNA LAYOUT



SECTOR		ANTENNA			TRANSMISSION CABLE	CABLE RRH			OVP	
POS.	EXISTING OR PROPOSED	MANUFACTURER — MODEL NUMBER	TECH	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH	MANUFACTURER — MODEL NUMBER	TECH	POS.	MANUFACTURER MODEL
A1					-	(1) HIGH-CAPACITY	FUJITSU - TA08025-B604	5G	A2	
A2	PROPOSED	COMMSCOPE FFVV-65C-R3-V1	5G	0,	79'-0"	HYBRID CABLE (110' LONG)	FUJITSU - TA08025-B605	5G	A2	RAYCAP RDIDC-9181-PF-48
A3					-	(110 20110)				
B1							FUJITSU - TA08025-B604	5G	B2	
B2	PROPOSED	COMMSCOPE FFVV-65C-R3-V1	5G	120*	79'-0"	SHARED W/ALPHA	FUJITSU - TA08025-B605	5G	В2	SHARED W/ALPHA
В3										
C1							FUJITSU - TA08025-B604	5G	C2	
C2	PROPOSED	COMMSCOPE FFVV-65C-R3-V1	5G	240*	79'-0"	SHARED W/ALPHA	FUJITSU - TA08025-B605	5G	C2	SHARED W/ALPHA
С3										

NOTES

- 1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
- 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.

dësh

5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



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



January 28, 20

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GBP		JFJ		BAP	

RFDS REV #:

CONSTRUCTION DOCUMENTS

			SUBMITTALS
	REV	DATE	DESCRIPTION
	Α	05-04-21	PRELIMINARY
	В	06-30-21	FAULT CALCS
	0	10-06-21	CONSTRUCTION
	1	01-28-22	CONSTRUCTION
1		405.5	DO IEST AUTOED

A&E PROJECT NUMBER

56340.266400

DISH WIRELESS, L.L.C.
PROJECT INFORMATION
DNDEN00174A
CO-CCI-T-823518
5393 SAGUARO CIR
CO SPRINGS, CO 80926

SHEET TITLE

ANTENNA LAYOUT AND SCHEDULE

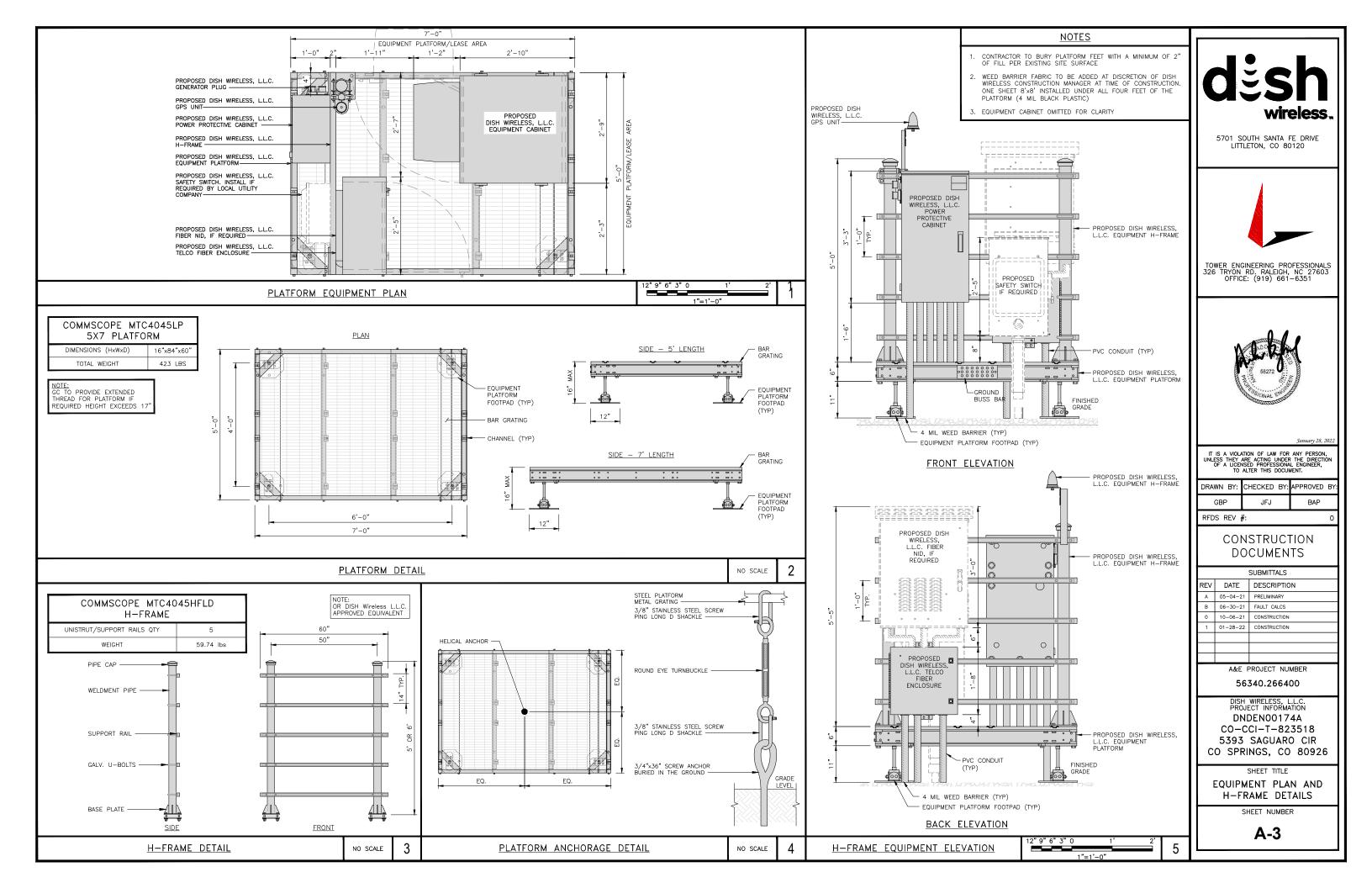
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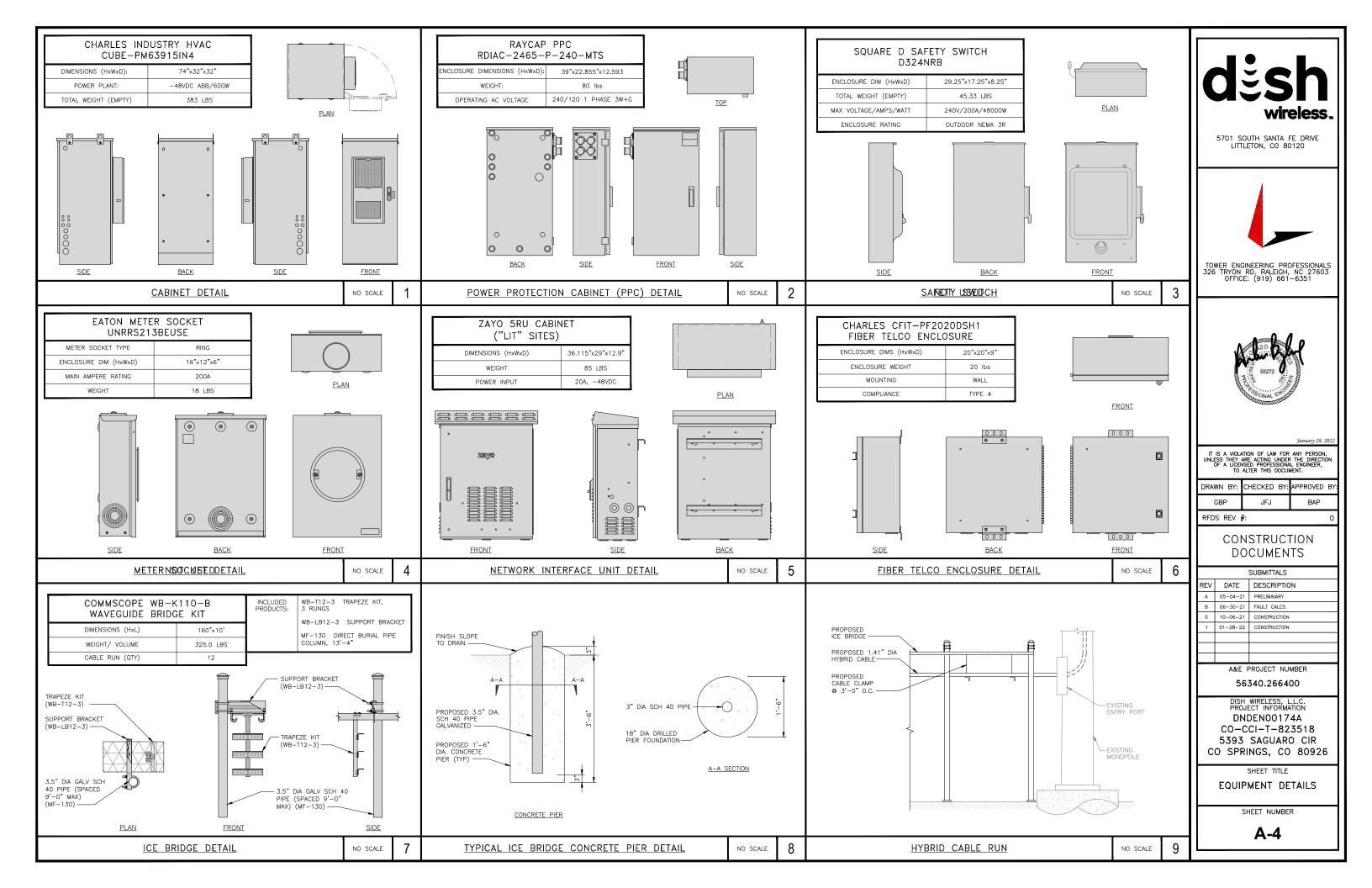
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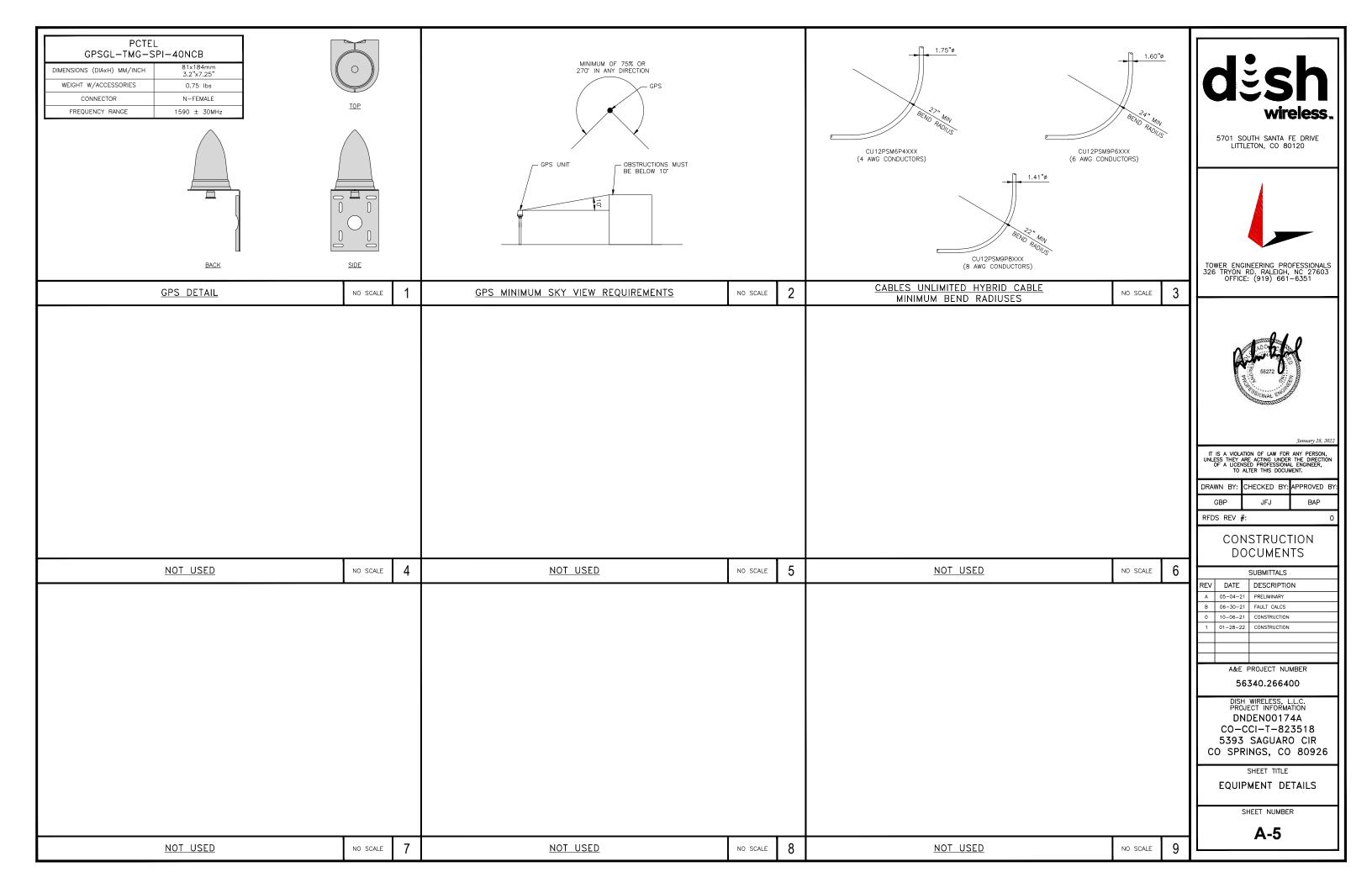
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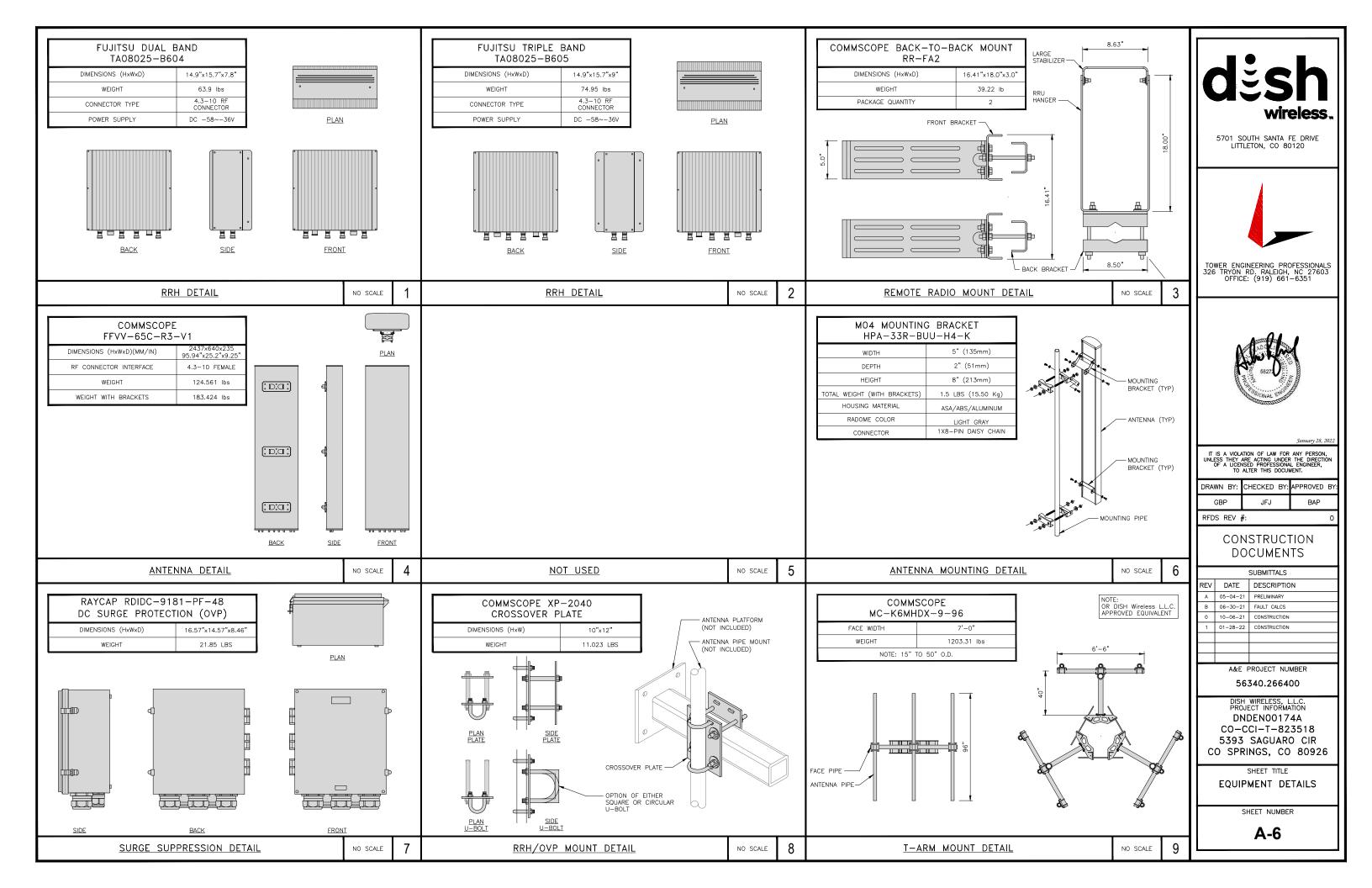
A-2.2

ANTENNA SCHEDULE









NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY
- ANTENNAS AND MOUNTS OMITTED FOR CLARITY. ANIENNAS AND MOUNIS OMITIED FOR CLARITY.

 THE GROUND LEASE PROVIDES BROAD/BLANKET UTILITY RIGHTS. "PWR" AND

 "FBR" PATH DEPICTED ON A-1 AND E-1 ARE BASED ON BEST AVAILABLE
 INFORMATION INCLUDING BUT NOT LIMITED TO FIELD VERIFICATION, PRIOR
 PROJECT DOCUMENTATION AND OTHER REAL PROPERTY RIGHTS DOCUMENTS.
 WHEN INSTALLING THE UTILITIES PLEASE LOCATE AND FOLLOW EXISTING PATH.

 IF EXISTING PATH IS NOT AN OPTION, PLEASE NOTIFY CROWN CASTLE REAL ESTATE AS FURTHER COORDINATION MAY BE NEEDED.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.

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

- 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.
- 3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- 4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
- 5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
- 6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
- 7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- 8. 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.
- 9. 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.
- 10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
- 11 PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION FOUIPMENT
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.
- 13. ALL TRENCHES IN COMPOUND TO BE HAND DUG.

ELECTRICAL NOTES NO SCALE



wireless

5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



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



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GBP	JFJ	BAP	
RFDS REV	# :	0	

CONSTRUCTION DOCUMENTS

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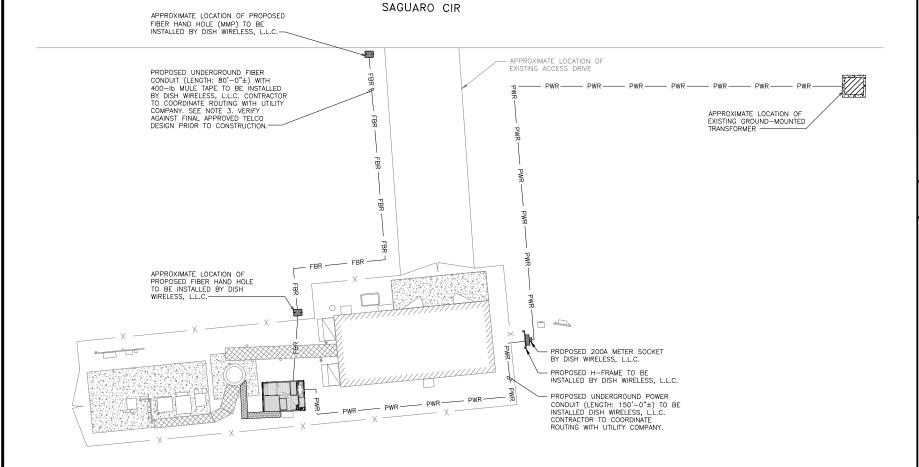
DNDEN00174A CO-CCI-T-823518 5393 SAGUARO CIR CO SPRINGS, CO 80926

SHEET TITLE

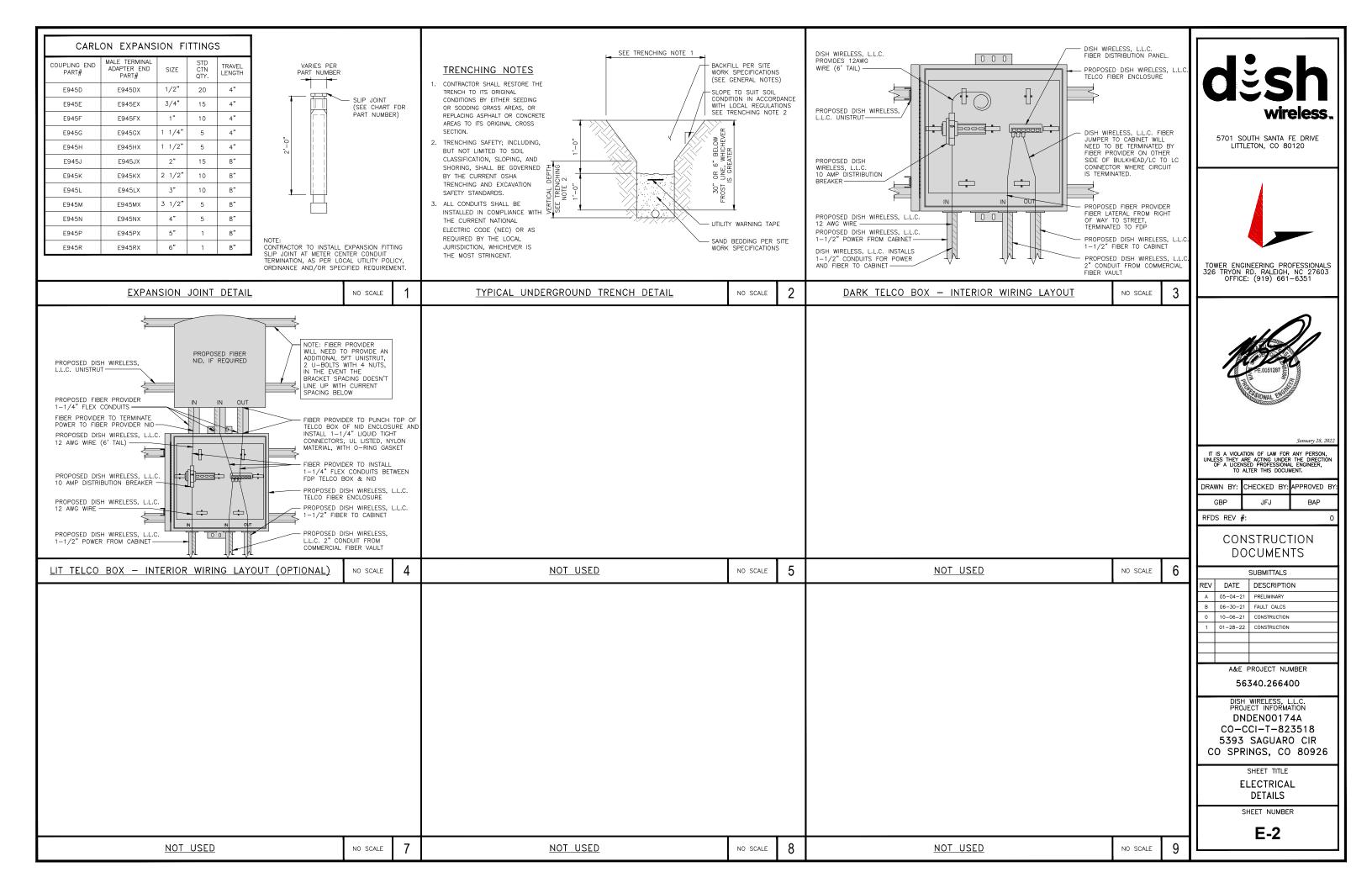
ELECTRICAL/FIBER ROUTE PLAN AND NOTES

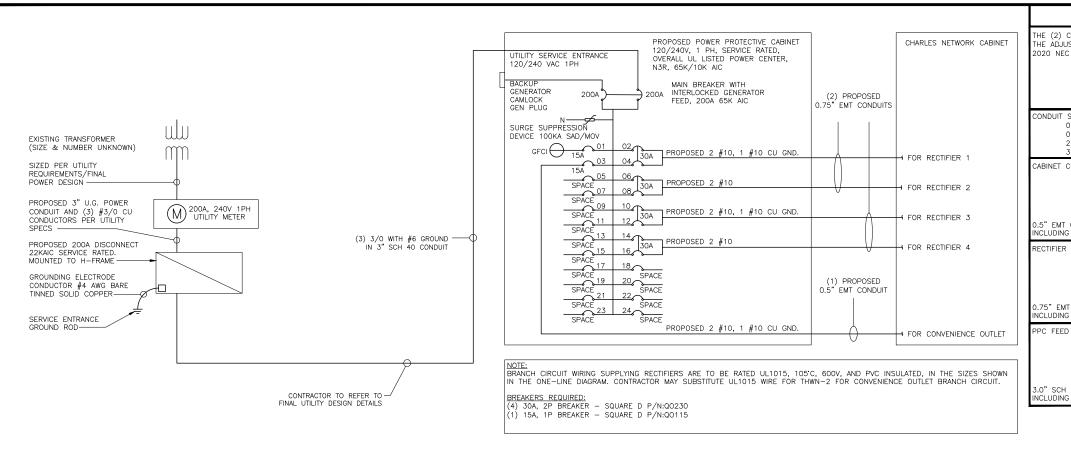
SHEET NUMBER

E-1









<u>NOTES</u>

THE (2) CONDUITS WITH (4) CURRENT CARRYING CONDUCTORS EACH, SHALL APPLY THE ADJUSTMENT FACTOR OF 80% PER 2014/17 NEC TABLE 310.15(B)(3)(a) OR 2020 NEC TABLE 310.15(C)(1) FOR UL1015 WIRE.

#12 FOR 15A-20A/1P BREAKER: 0.8 x 30A = 24.0A #10 FOR 25A-30A/2P BREAKER: 0.8 x 40A = 32.0A #8 FOR 35A-40A/2P BREAKER: 0.8 x 55A = 44.0A #6 FOR 45A-60A/2P BREAKER: 0.8 x 75A = 60.0A

ONDUIT SIZING: AT 40% FILL PER NEC CHAPTER 9, TABLE 4, ARTICLE 358.

0.5" CONDUIT - 0.122 SQ. IN AREA

0.5" CONDUIT - 0.122 SQ. IN AREA 0.75" CONDUIT - 0.213 SQ. IN AREA 2.0" CONDUIT - 1.316 SQ. IN AREA 3.0" CONDUIT - 2.907 SQ. IN AREA

CABINET CONVENIENCE OUTLET CONDUCTORS (1 CONDUIT): USING THWN-2, CU.

#10 - 0.0211 SQ. IN X 2 = 0.0422 SQ. IN #10 - 0.0211 SQ. IN X 1 = 0.0211 SQ. IN <GROUND TOTAL = 0.0633 SQ. IN

D.5" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WIRES, NCLUDING GROUND WIRE, AS INDICATED ABOVE.

RECTIFIER CONDUCTORS (2 CONDUITS): USING UL1015, CU.

#10 - 0.0266 SQ. IN X 4 = 0.1064 SQ. IN #10 - 0.0082 SQ. IN X 1 = 0.0082 SQ. IN <BARE GROUND

TOTAL = 0.1146 SQ. IN

D.75" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (5) WIRES, NCLUDING GROUND WIRE. AS INDICATED ABOVE.

PPC FEED CONDUCTORS (1 CONDUIT): USING THWN, CU.

3/0 - 0.2679 SQ. IN X 3 = 0.8037 SQ. IN #6 - 0.0507 SQ. IN X 1 = 0.0507 SQ. IN <GROUND

TOTAL = 0.8544 SQ. IN

3.0" SCH 40 PVC CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (4) WIRES, NCLUDING GROUND WIRE, AS INDICATED ABOVE.

dësh wireless.

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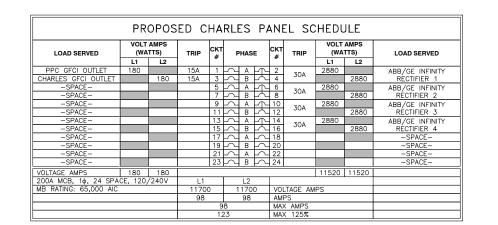
SHEET TITLE

ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE

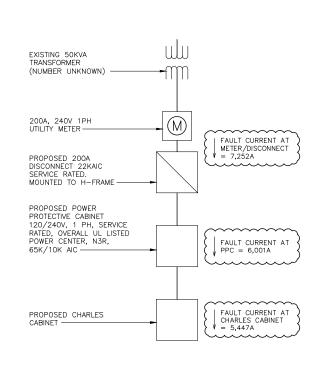
SHEET NUMBER

E-3

PPC ONE-LINE DIAGRAM



PANEL SCHEDULE



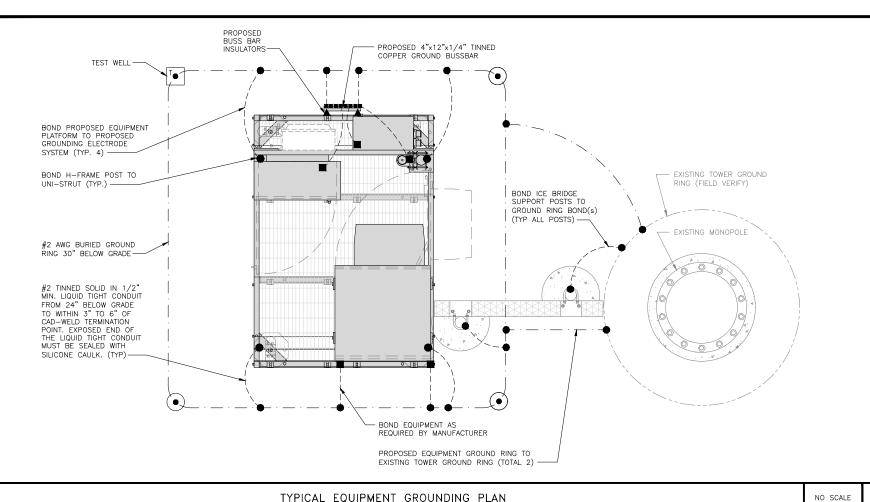
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FAULT CALCS

NO SCALE 3

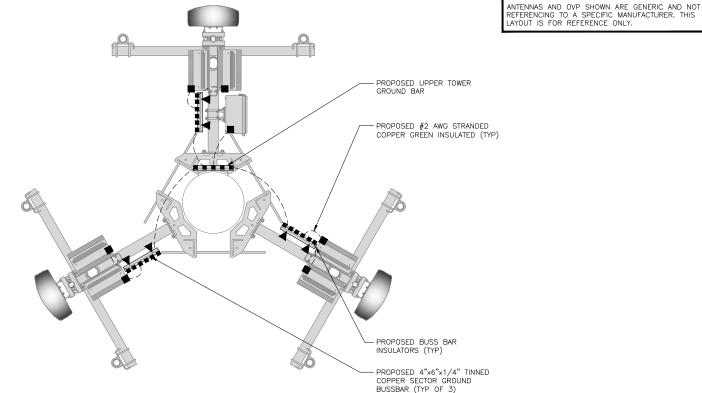
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TYPICAL EQUIPMENT GROUNDING PLAN

NOTE





 EXOTHERMIC CONNECTION ■ MECHANICAL CONNECTION

GROUND BUS BAR

(GROUND ROD

TFST GROUND ROD WITH INSPECTION SLEEVE

---- #2 AWG SOLID & INSULATED

— · — · - #2 AWG SOLID COPPER TINNED

GROUNDING LEGEND

- 1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
- 2. CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND DISH WIRELESS GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
- 3. ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

GROUNDING KEY NOTES

- EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.
- B) TOWER GROUND RING: THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.
- (C) INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN
- D BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE
- © GROUND ROD: UL LISTED COPPER CLAD STEEL. MINIMUM 1/2" DIAMETER BY EIGHT FEET LONG. GROUND RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.
- F CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.
- (G) HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- (H) <u>EXTERIOR CABLE ENTRY PORT GROUND BARS:</u> LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND
- (I) TELCO GROUND BAR: BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- J FRAME BONDING: THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK.
- (K) <u>Interior unit Bonds:</u> Metal frames, cabinets and individual metallic units located with the area of the interior ground ring require a #6 awg stranded green insulated copper bond to the interior ground ring.
- (L) FENCE AND GATE GROUNDING: METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS.
- (M) <u>Exterior unit Bonds:</u> Metallic objects, external to or mounted to the building, shall be bonded to the exterior ground ring. Using #2 tinned solid copper wire
- N ICE BRIDGE SUPPORTS: EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED
- O DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR
- (P) TOWER TOP COLLECTOR BUSS BAR IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT COLLAR.

REFER TO DISH WIRELESS, LLC. GROUNDING NOTES.



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CONSTRUCTION **DOCUMENTS**

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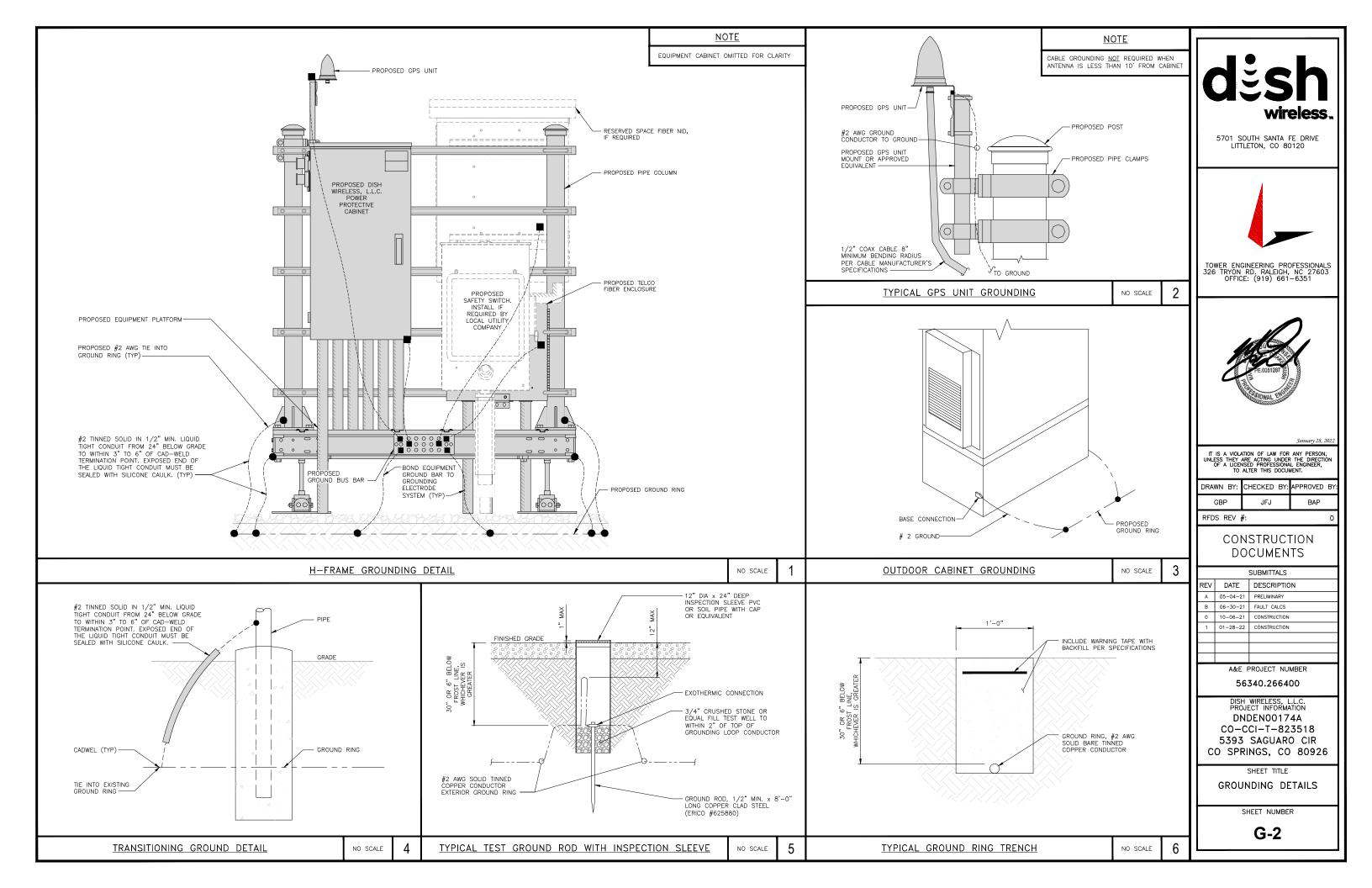
DISH WIRELESS, L.L.C. PROJECT INFORMATION DNDEN00174A CO-CCI-T-823518 5393 SAGUARO CIR CO SPRINGS, CO 80926

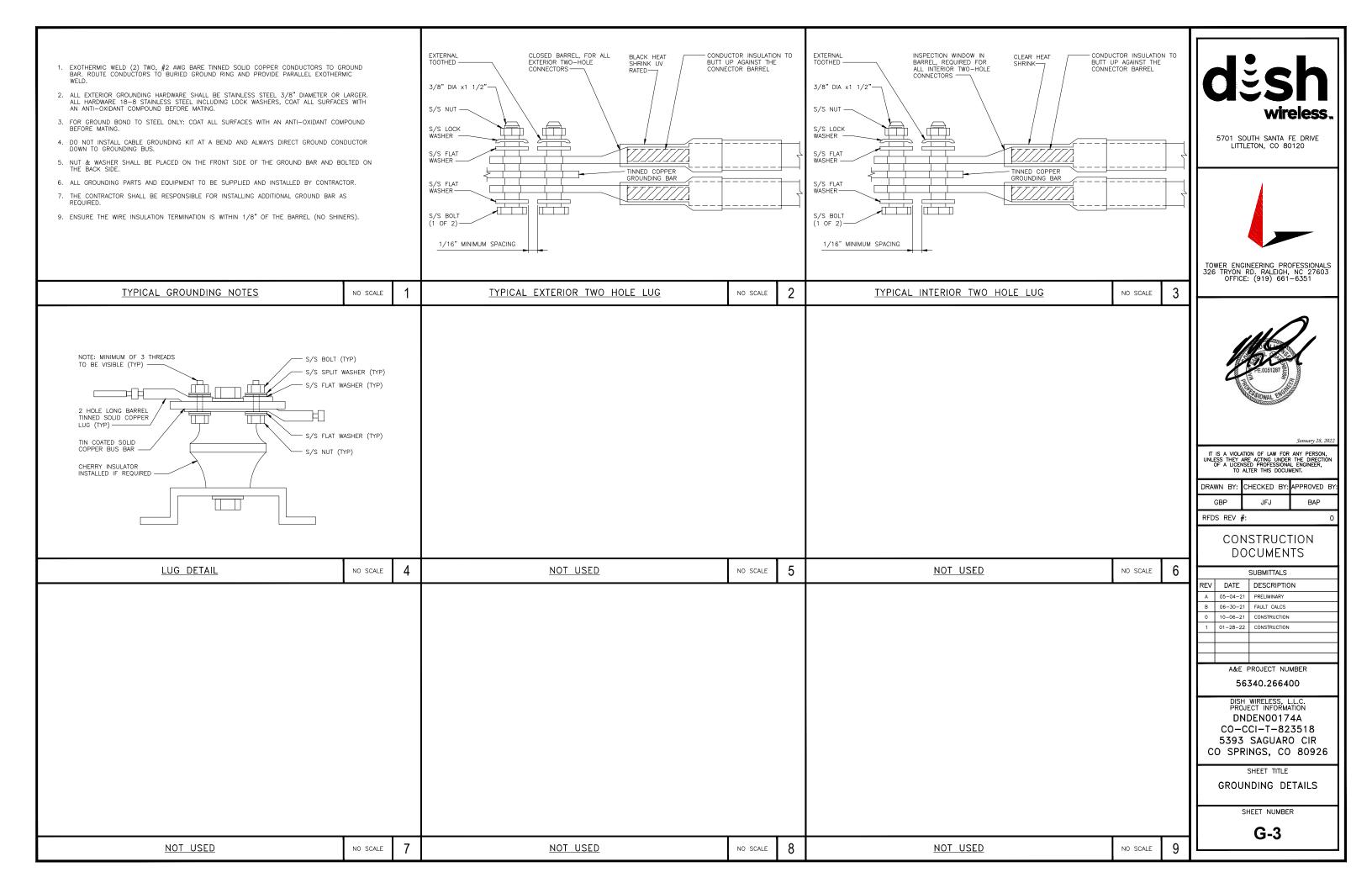
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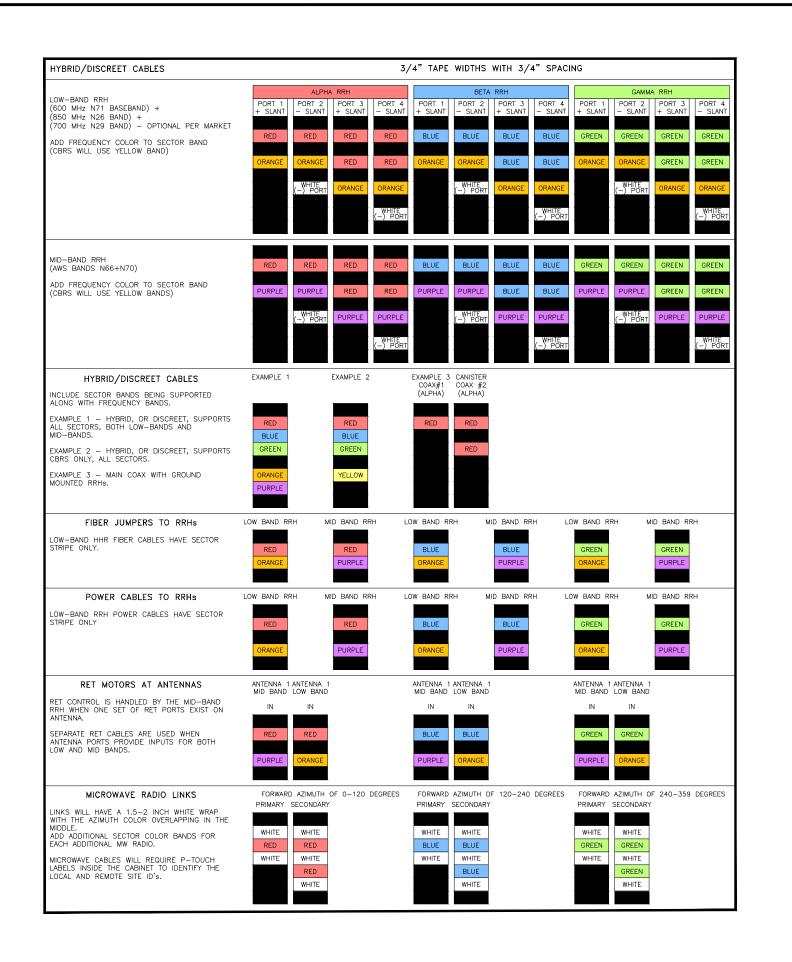
GROUNDING PLANS AND NOTES

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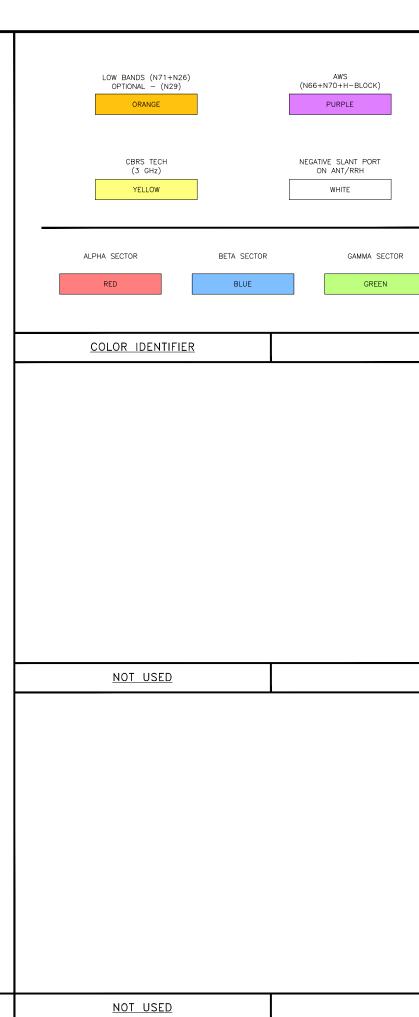
GROUNDING KEY NOTES







RF CABLE COLOR CODES





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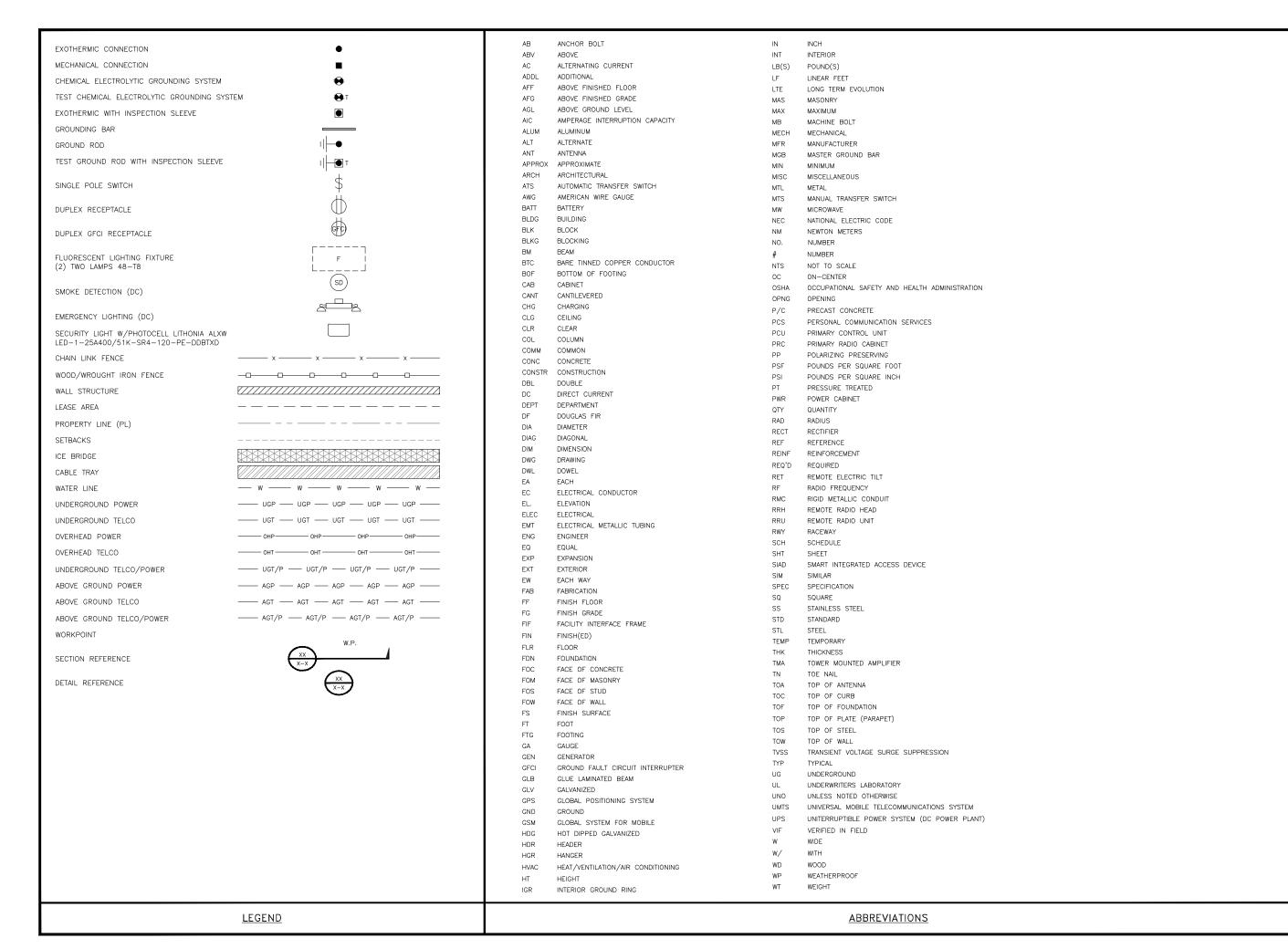
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SHEET TITLE

CABLE COLOR CODES

SHEET NUMBER

RF-1





5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



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SHEET TITLE

LEGEND AND ABBREVIATIONS

SHEET NUMBER

		SIGN TYPES				
TYPE	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 Wireless L.L.C.
- 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.

 B) IF THE INFORMATION SIGH IS A METAL SIGN IT SHALL BE PLACED ON EXISTING DISH Wireless L.L.C H-FRAME WITH A SECURE ATTACH METHOD.
- IF EME REPORT IS NOT AVAILABLE AT THE TIME OF CREATION OF CONSTRUCTION DOCUMENTS: PLEASE CONTACT DISH WIReless L.L.C. CONSTRUCTION MANAGER FOR

- 1. FOR DISH Wireless L.L.C. LOGO, SEE DISH Wireless L.L.C. DESIGN SPECIFICATIONS (PROVIDED BY DISH Wireless L.L.C.)
- 2. SITE ID SHALL BE APPLIED TO SIGNS USING "LASER ENGRAVING" OR ANY OTHER WEATHER RESISTANT METHOD (DISH Wireless L.L.C. APPROVAL REQUIRED)
- 3. TEXT FOR SIGNAGE SHALL INDICATE CORRECT SITE NAME AND NUMBER AS PER DISH Wireless L.L.C. CONSTRUCTION MANAGER RECOMMENDATIONS.
- 4. CABINET/SHELTER MOUNTING APPLICATION REQUIRES ANOTHER PLATE APPLIED TO THE FACE OF THE CABINET WITH WATER PROOF POLYURETHANE ADHESIVE
- 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

Cita ID:			
Site ID:			



THIS SIGN IS FOR REFERENCE PURPOSES ONLY

NOTICE



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.

dish

A CAUTION



Transmitting Antenna(s)

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dish

A WARNING



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DNDEN00174A CO-CCI-T-823518 5393 SAGUARO CIR CO SPRINGS, CO 80926

> SHEET TITLE RF SIGNAGE

SHEET NUMBER

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 AND TOWER OWNER NOC & THE DISH WIRELESS AND TOWER CONSTRUCTION MANAGER.
- 2. "LOOK UP" DISH WIRELESS 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 AND DISH WIRELESS 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 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 AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH WIRELESS 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 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 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

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



January 28, 202

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:
GBP	JFJ	BAP

RFDS REV #

CONSTRUCTION DOCUMENTS

Г			SUBMITTALS		
RE	٠V	DATE	DESCRIPTION		
A	١	05-04-21	PRELIMINARY		
	3	06-30-21	FAULT CALCS		
(0	10-06-21	CONSTRUCTION		
•	1	01-28-22	CONSTRUCTION		
Г		Δ&F F	PROJECT NUMBER		

56340.266400

DISH WIRELESS, L.L.C.

DISH WIRELESS, LL.C.
PROJECT INFORMATION
DNDEN00174A
CO-CCI-T-823518
5393 SAGUARO CIR
CO SPRINGS, CO 80926

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

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 (1°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 FARTH 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.
- 16. 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 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".
- 60. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.



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DRAWN	BY:	CHECKED	BY:	APPROVED	BY:
GBF	•	JFJ		BAP	

RFDS REV #:

CONSTRUCTION DOCUMENTS

SUBMITTALS				
REV	DATE	DESCRIPTION		
Α	05-04-21	PRELIMINARY		
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	A&E F	PROJECT NUMBER		

56340.266400

DISH WIRELESS, L.L.C.
PROJECT INFORMATION
DNDEN00174A
CO-CCI-T-823518
5393 SAGUARO CIR
CO SPRINGS, CO 80926

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GROUNDING NOTES:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- 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.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS. 1.3
- 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.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING. IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR
- 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).
- 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 2/0 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



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 DIRECTIO OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

GBF	•	JFJ		BAP	
DRAWN	BY:	CHECKED	BY:	APPROVED	BY:

RFDS REV #:

CONSTRUCTION DOCUMENTS

SUBMITTALS				
REV	DATE	DESCRIPTION		
Α	05-04-21	PRELIMINARY		
В	06-30-21	FAULT CALCS		
0	10-06-21	CONSTRUCTION		
1	01-28-22	CONSTRUCTION		

A&E PROJECT NUMBER

56340.266400

DNDENO0174A CO-CCI-T-823518 5393 SAGUARO CIR CO SPRINGS, CO 80926

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

Planning and Community Development El Paso County 2880 International Circle, Suite 110 Colorado Springs, CO 80910 PCD File # TWR-21-011

February 23, 2022

Dear Kylie,

Attached is an application for a wireless telecom site to be located at 5393 Saguaro Circle, Colorado Springs, CO 80925 with an E911 address of 3593 Saguaro Circle, Colorado Springs, CO, Parcel number 5503119017, as a co-locator on an existing, wireless, telecom site. The owner of the site is Crown Castle, 2000 Corporate Drive, Canonsburg, PA 15317, phone 303-478-2835, email address Stephan.Kelly.Contractor@crowncastle.com. The property is zoned RS-6000, CAO-O, a zoning that allows wireless facilities in the district in which the parcel is located. A site plan and drawings are attached.

This facility meets the applicable WCF Standards as a colocation on an existing tower. As far as aesthetics regarding the site, there are 3 antennas, 6 radio heads and 1 OVP. The equipment area is contained within the existing equipment area .There is very little visual impact to the public or the structure due to the tower already existing on the site and DISH has a very small foot print. The site will be visited approximately once a quarter.

The site is not federally significant historic or possess any environmental features. There is no potable/wastewater services to be provided at this site. The granting for zoning of this wireless colocation will not adversely affect the public health, safety or welfare of the surrounding area nor will it visually impact the public or the building with the proposed monopole design.

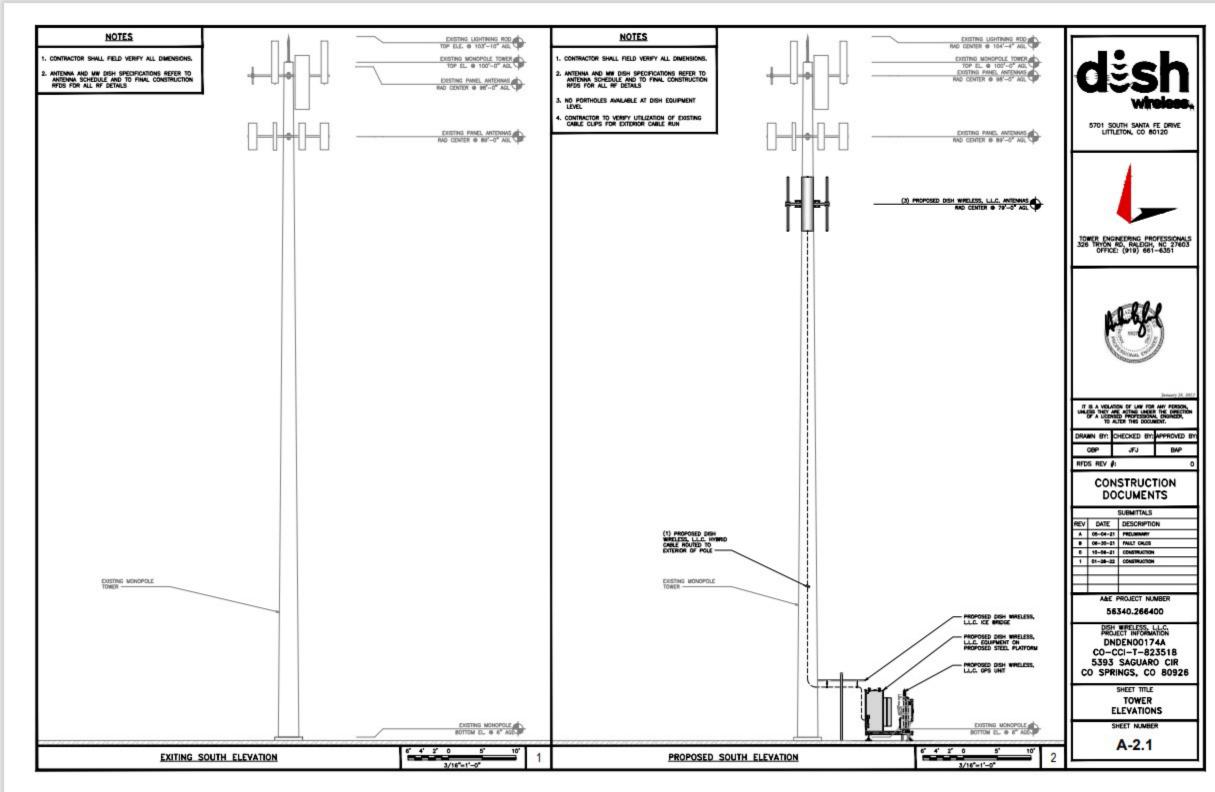
This area in Colorado Spring is lacking sufficient cellular coverage in order to utilize data and even some voice usage. In order to provide better, more consistent service, DISH Wireless is proposing the colocation on the existing telecom site to be located at 5393 Saguaro Circle, Colorado Springs, CO 80929. The flux of people utilizing cellular service along with the lack of a sufficient cellular coverage in the area creates the need for a telecom site at this location.

SSC respectfully requests approval of the attached documents for the issuance of a zoning permit.

Sincerely,

Charmaine Dregalla

Charmaine Dregalla 303-507-3471 Cdregalla@ssc.us.com



SECOND AMENDMENT TO SITE LEASE WITH OPTION

THIS SECOND	AMENDMENT TO ŞIŢĘ LI	EASE V	WITH OPTION ("Sec	ond Amendment"),
is entered into this	AMENDMENT TO SITE L	_ 2021	("Effective Date") by	and between Md7
Capital One, LLC, a Dela	aware limited liability compar	_ ny (" M e	d7 Capital One") and	T-MOBILE WEST
TOWER LLC, a Delaware limited liability company ("Tenant"), successor-in-interest to VoiceStream PCS				
II Corporation ("Original	l Tenant").	·		

WHEREAS, CR Towers, LLLP, a Colorado limited liability limited partnership ("Owner"), successor-in-interest to Fountain Mesa Investments II, LLC ("Fountain Mesa"), successor-in-interest to Virginia E. Cuchares ("Original Owner") is the owner of that certain real property located at 9285 Drennan Road, Colorado Springs, Colorado 80925 ("Property"); and

WHEREAS, Original Owner and Original Tenant entered into that certain Site Lease with Option, dated February 18, 2004 ("**Original Lease**"), a memorandum of which was recorded in the Official Records of El Paso County, Colorado ("**Official Records**") on February 26, 2007 at Instrument No. 207026212, for the use of a portion of the Property for a telecommunications site (the "**Premises**"), as more particularly described in the Original Lease; and

WHEREAS, Md7 Capital One and Fountain Mesa entered into that certain Lease Assignment Agreement dated November 4, 2009 ("Assignment Agreement"), pursuant to which Fountain Mesa sold and assigned all of its beneficial right, title and interest in and to the Original Lease to Md7 Capital One, a copy of which was recorded in the Official Records on December 1, 2009 at Instrument No. 209137281; and

WHEREAS, Md7 Capital One and T-Mobile West, LLC, predecessor in interest to Tenant, entered into that certain Site Lease Amendment dated November 10, 2009 ("**First Amendment**" and, collectively with the Original Lease, hereinafter the "**Lease**"), a copy of which was recorded in the Official Records on December 1, 2009 at Instrument No. 209137282; and

WHEREAS, Md7 Capital One and Tenant now desire to further amend the Lease on the terms and conditions set forth herein.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Md7 Capital One and Tenant agree as follows:

- 1. **Incorporation of Recitals**. The foregoing recitals are true and correct in all respects and are hereby made a part of this Second Amendment for all purposes.
- 2. **Consent to Sublease/License Ground Space**: Pursuant to the Addendum to Site Lease with Option attached and incorporated into the Original Lease, Md7 Capital One hereby consents to the sublease, license or grant of a right of use and occupancy in and to a portion of the Premises by Tenant to Dish Network or its operating affiliate or designee, and respective successors and assigns ("**Consent**").
- Additional Rent. As consideration for the Consent and other rights set forth in this Second Amendment, commencing on the first day of the month following the Effective Date, Md7 Capital One and Tenant agree that the Rent shall increase by ("Additional Rent"). This Additional Rent shall increase according to the terms of the Lease.

Crown Castle Site Name: CS Cuchares Ranch Crown Castle BU# 823518/819423

- 4. **Other Terms and Conditions Remain.** In the event of any inconsistencies between the Lease and this Second Amendment, the terms of this Second Amendment shall control. Except as expressly set forth in this Second Amendment, the Lease otherwise is unmodified and remains in full force and effect. Each reference in the Lease to itself shall be deemed also to refer to this Second Amendment.
- 5. **Capitalized Terms.** All capitalized terms used but not defined herein shall have the same meanings as defined in the Lease.
- 6. **Counterparts.** This Second 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.
- 7. **Authority**. Each of the parties represents and warrants that it has the right, power, legal capacity, and authority to enter into and perform its respective obligations under this Second Amendment.

IN WITNESS WHEREOF, the parties have caused their properly authorized representatives to execute and seal this Second Amendment on the dates set forth below.

Tenant:

T-Mobile West Tower LLC, a Delaware limited liability company

Date: 4/1/2021

Md7 Capital One:

Md7 Capital One, LLC, a Delaware limited liability company

DocuSigned by:

Name: Lisa Upton

Title: Manager National Land Management

4/6/2021 | 11:43:10 AM EDT

Date:

SITE LEASE WITH OPTION

THIS SITE LEASE WITH OPTION (this "Lease") is by and between Virginia E. Cuchares ("Landlord") and VoiceStream PCS II Corporation, a Delaware corporation ("Tenant").

1. Option to Lease.

- (a) In consideration of the payment of

 (the "Option Fee") by Tenant to Landlord, Landlord hereby grants to Tenant an option to lease the use of a portion of the real property described in the attached Exhibit A (the "Property"), on the terms and conditions set forth herein (the "Option"). The Option shall be for an initial term of twelve (12) months, commencing on the Effective Date (as defined below) (the "Option Period"). The Option Period may be extended by Tenant for an additional twevle (12) months upon written notice to Landlord and payment of the sum of

 ("Additional Option Fee") at any time prior to the end of the Option Period.
- (b) During the Option Period and any extension thereof, and during the term of this Lease, Landlord agrees to cooperate with Tenant in obtaining, at Tenant's expense, all licenses and permits or authorizations required for Tenant's use of the Premises (as defined below) from all applicable government and/or regulatory entities (including, without limitation, zoning and land use authorities, and the Federal Communication Commission ("FCC") ("Governmental Approvals"), including appointing Tenant as agent for all land use and zoning permit applications, and Landlord agrees to cooperate with and to allow Tenant, at no cost to Landlord, to obtain a title report, zoning approvals and variances, land-use permits, and Landlord expressly grants to Tenant a right of access to the Property to perform surveys, soils tests, and other engineering procedures or environmental investigations on the Property necessary to determine that Tenant's use of the Premises will be compatible with Tenant's engineering specifications, system design, operations and Governmental Approvals. Notwithstanding the foregoing, Tenant may not change the zoning classification of the Property without first obtaining Landlord's written consent. During the Option Period and any extension thereof, Landlord agrees that it will not interfere with Tenant's efforts to secure other licenses and permits or authorizations that relate to other property. During the Option Period and any extension thereof, Tenant may exercise the Option by so notifying Landlord in writing, at Landlord's address in accordance with Section 12 hereof.
- (c) If Tenant exercises the Option, then, subject to the following terms and conditions, Landlord hereby leases to Tenant the use of that portion of the Property sufficient for placement of the Antenna Facilities (as defined below), together with all necessary space and easements for access and utilities, as generally described and depicted in the attached Exhibit B (collectively referred to hereinafter as the "Premises"). The Premises, located at 9265 Drennan Road, Colorado Springs, El Paso County, Colorado 80925, comprises approximately 600 square feet.
- 2. <u>Term</u>. The initial term of this Lease shall be five (5) years commencing on the date of the exercise of the Option (the "Commencement Date"), and terminating at midnight on the last day of the initial term (the "Initial Term").
- 3. <u>Permitted Use</u>. The Premises may be used by Tenant for the transmission and reception of radio communication signals and for the construction, installation, operation, maintenance, repair, removal or replacement of related facilities, tower and base, antennas, microwave dishes, equipment shelters and/or cabinets and related activities.
- 4. Rent. Tenant shall pay Landlord, as rent per month ("Rent"). Rent shall be payable within twenty (20) days following the Commencement Date prorated for the remainder of the month in which the Commencement Date falls and thereafter Rent will be payable monthly in advance by the fifth day of each month to Virginia E. Cuchares at Landlord's address specified in Section 12 below. If this Lease is terminated at a time other than on the last day of a month, Rent shall be prorated as of the date of termination for any reason (other than a default by Tenant) and all prepaid Rent shall be immediately refunded to Tenant.
- 5. Renewal. Tenant shall have the right to extend this Lease for three (3) additional, five-year terms (each a "Renewal Term"). Each Renewal Term shall be on the same terms and conditions as set forth herein, except that Rent shall be increased by of the Rent paid over the preceding term. This Lease shall automatically renew for each successive Renewal Term unless Tenant notifies Landlord, in writing, of Tenant's intention not to renew this Lease, at least sixty (60) days prior to the expiration of the Initial Term or any Renewal Term. If Tenant shall remain in possession of the Premises at the expiration of this Lease or any Renewal Term without a written agreement, such tenancy shall be deemed a month-to-month tenancy under the same terms and conditions of this Lease.
- 6. Interference. Tenant shall not use the Premises in any way which interferes with the use of the Property by Landlord, or lessees or licensees of Landlord with rights in the Property prior in time to Tenant's (subject to Tenant's rights under this Lease, including, without limitation, non-interference). Similarly, Landlord shall not use, nor shall Landlord permit its lessees, licensees, employees, invitees or agents to use, any portion of the Property in any way which interferes with the operations of Tenant. Such

interference shall be deemed a material breach by the interfering party, who shall, upon written notice from the other, be responsible for terminating said interference. In the event any such interference does not cease promptly, the parties acknowledge that continuing interference may cause irreparable injury and, therefore, the injured party shall have the right, in addition to any other rights that it may have at law or in equity, to bring a court action to enjoin such interference or to terminate this Lease immediately upon written notice.

7. Improvements; Utilities; Access.

- (a) Tenant shall have the right, at its expense, to erect and maintain on the Premises improvements, personal property and facilities necessary to operate its communications system, including, without limitation, radio transmitting and receiving antennas, microwave dishes, tower and base, equipment shelters and/or cabinets and related cables and utility lines and a location based system, including, without limitation, antenna(s), coaxial cable, base units and other associated equipment (collectively, the "Antenna Facilities"), as such location based system may be required by any county, state or federal agency/department. Tenant shall have the right to alter, replace, expand, enhance and upgrade the Antenna Facilities at any time during the term of this Lease. Tenant shall cause all construction to occur lien-free and in compliance with all applicable laws and ordinances. Landlord acknowledges that it shall not interfere with any aspects of construction, including, without limitation, attempting to direct construction personnel as to the location of or method of installation of the Antenna Facilities and the Easements (as defined below) ("Construction Interference"). Landlord further acknowledges that it will be responsible for any costs and damages (including, fines and penalties) that are directly attributable to Landlord's Construction Interference. The Antenna Facilities shall remain the exclusive property of Tenant. Tenant shall have the right to remove the Antenna Facilities at any time during and upon the expiration or termination of this Lease.
- (b) Tenant, at its expense, may use any and all appropriate means of restricting access to the Antenna Facilities, including, without limitation, the construction of a fence.
- (c) Tenant shall, at Tenant's expense, keep and maintain the Antenna Facilities now or hereafter located on the Property in commercially reasonable condition and repair during the term of this Lease, normal wear and tear and casualty excepted. Upon termination or expiration of this Lease, the Premises shall be returned to Landlord in good, usable condition, normal wear and tear and casualty excepted.
- (d) Tenant shall have the right to install utilities, at Tenant's expense, and to improve the present utilities on the Property (including, but not limited to, the installation of emergency power generators). Landlord agrees to use reasonable efforts in assisting Tenant to acquire necessary utility service. Tenant shall, wherever practicable, install separate meters for utilities used on the Property by Tenant. Landlord shall diligently correct any variation, interruption or failure of utility service.
- (e) As partial consideration for Rent paid under this Lease, Landlord hereby grants Tenant an easement in, under and across the Property for ingress, egress, utilities and access (including access for the purposes described in Section 1) to the Premises adequate to install and maintain utilities, which include, but are not limited to, the installation of power and telephone service cable, and to service the Premises and the Antenna Facilities at all times during the Initial Term of this Lease and any Renewal Term (collectively, the "Easements"). The Easements provided hereunder shall have the same term as this Lease.
- (f) Tenant shall have 24-hours-a-day, 7-days-a-week access to the Premises ("Access") at all times during the Initial Term of this Lease and any Renewal Term. In the event Landlord, its employees or agents impede or deny Access to Tenant, its employees or agents, Tenant shall, without waiving any other rights that it may have at law or in equity, deduct from Rent amounts due under this Lease an amount equal to denied.
- 8. <u>Termination</u>. Except as otherwise provided herein, this Lease may be terminated, without any penalty or further liability as follows:
- (a) upon thirty (30) days' written notice by Landlord if Tenant fails to cure a default for payment of amounts due under this Lease within that thirty (30) day period;
- (b) immediately if Tenant notifies Landlord of unacceptable results of any title report, environmental or soil tests prior to Tenant's installation of the Antenna Facilities on the Premises, or if Tenant is unable to obtain, maintain, or otherwise forfeits or cancels any license (including, without limitation, an FCC license), permit or any Governmental Approval necessary to the installation and/or operation of the Antenna Facilities or Tenant's business;
- (c) upon ninety (90) days' written notice by Tenant if the Property or the Antenna Facilities are, or become unacceptable under Tenant's design or engineering specifications for its Antenna Facilities or the communications system to which the Antenna Facilities belong;

- (d) immediately upon written notice by Tenant if the Premises or the Antenna Facilities are destroyed or damaged so as in Tenant's reasonable judgment to substantially and adversely affect the effective use of the Antenna Facilities. In such event, all rights and obligations of the parties shall cease as of the date of the damage or destruction, and Tenant shall be entitled to the reimbursement of any Rent prepaid by Tenant. If Tenant elects to continue this Lease, then all Rent shall abate until the Premises and/or the Antenna Facilities are restored to the condition existing immediately prior to such damage or destruction; or
- (e) at the time title to the Property transfers to a condemning authority, pursuant to a taking of all or a portion of the Property sufficient in Tenant's determination to render the Premises unsuitable for Tenant's use. Landlord and Tenant shall each be entitled to pursue their own separate awards with respect to such taking. Sale of all or part of the Property to a purchaser with the power of eminent domain in the face of the exercise of the power shall be treated as a taking by condemnation.
- 9. <u>Default and Right to Cure</u>. Notwithstanding anything contained herein to the contrary and without waiving any other rights granted to it at law or in equity, each party shall have the right, but not the obligation, to terminate this Lease on written notice pursuant to Section 12 hereof, to take effect immediately, if the other party (i) fails to perform any covenant for a period of thirty (30) days after receipt of written notice thereof to cure or (ii) commits a material breach of this Lease and fails to diligently pursue such cure to its completion after sixty (60) days' written notice to the defaulting party.
- 10. Taxes. Landlord shall pay when due all real property taxes for the Property, including the Premises. In the event that Landlord fails to pay any such real property taxes or other fees and assessments, Tenant shall have the right, but not the obligation, to pay such owed amounts and deduct them from Rent amounts due under this Lease. Notwithstanding the foregoing, Tenant shall pay any personal property tax, real property tax or any other tax or fee which are directly attributable to the presence or installation of the Tenant's Antenna Facilities, only for so long as this Lease has not expired of its own terms or is not terminated by either party. Landlord hereby grants to Tenant the right to challenge, whether in a Court, Administrative Proceeding, or other venue, on behalf of Landlord and/or Tenant, any personal property or real property tax assessments that may affect Tenant. If Landlord receives notice of any personal property or real property tax assessment against the Landlord, which may affect Tenant and is directly attributable to Tenant's installation, Landlord shall provide timely notice of the assessment to Tenant sufficient to allow Tenant to consent to or challenge such assessment. Further, Landlord shall provide to Tenant any and all documentation associated with the assessment and shall execute any and all documents reasonably necessary to effectuate the intent of this Section 10.

11. Insurance and Subrogation and Indemnification.

- (a) Tenant shall provide Commercial General Liability Insurance in an aggregate amount of One Million and no/100 dollars (\$1,000,000.00). Tenant may satisfy this requirement by obtaining the appropriate endorsement to any master policy of liability insurance Tenant may maintain.
- (b) Landlord and Tenant hereby mutually release each other (and their successors or assigns) from liability and waive all right of recovery against the other for any loss or damage covered by their respective first party property insurance policies for all perils insured thereunder. In the event of such insured loss, neither party's insurance company shall have a subrogated claim against the other. To the extent loss or damage is not covered by their first party property insurance policies, Landlord and Tenant each agree to indemnify and hold harmless the other party from and against any and all claims, damages, cost and expenses, including reasonable attorney fees, to the extent caused by or arising out of (a) the negligent acts or omissions or willful misconduct in the operations or activities on the Property by the indemnifying party or the employees, agents, contractors, licensees, tenants and/or subtenants of the indemnifying party, or (b) a breach of any obligation of the indemnifying party under this Lease. Notwithstanding the foregoing, this indemnification shall not extend to indirect, special, incidental or consequential damages, including, without limitation, loss of profits, income or business opportunities to the indemnified party or anyone claiming through the indemnified party. The indemnifying party's obligations under this section are contingent upon (i) its receiving prompt written notice of any event giving rise to an obligation to indemnifying the other party and (ii) the indemnified party's granting it the right to control the defense and settlement of the same. Notwithstanding anything to the contrary in this Lease, the parties hereby confirm that the provisions of this section shall survive the expiration or termination of this Lease. Tenant shall not be responsible to Landlord, or any third-party, for any claims, costs or damages (including, fines and penalties) attributable to any pre-existing violations of applicable codes, statutes or other regulations governing the Property, including the Premises.
- 12. <u>Notices</u>. All notices, requests, demands and other communications shall be in writing and are effective three (3) days after deposit in the U.S. mail, certified and postage paid, or upon receipt if personally delivered or sent by next-business-day delivery via a nationally recognized overnight courier to the addresses set forth below. Landlord or Tenant may from time to time designate any other address for this purpose by providing written notice to the other party.

If to Tenant, to:

T-Mobile USA, Inc. 12920 SE 38th Street Bellevue, WA 98006 Attn: PCS Lease Administrator With a copy to: Attn: Legal Dept. With a copy to:

VoiceStream PCS II Corporation 2323 Delgany St. Denver, CO 80216 Attn: Lease Administration Manager

If to Landlord, to:

With a copy to:

Virginia E. Cuchares 9285 Drennan Road Colorado Springs, CO 80925

- 13. Quiet Enjoyment, Title and Authority. Landlord covenants and warrants to Tenant that (i) Landlord has full right, power and authority to execute this Lease; (ii) it has good and unencumbered title to the Property free and clear of any liens or mortgages, except those disclosed to Tenant and which will not interfere with Tenant's rights to or use of the Premises; and (iii) execution and performance of this Lease will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Landlord. Landlord covenants that at all times during the term of this Lease, Tenant's quiet enjoyment of the Premises or any part thereof shall not be disturbed as long as Tenant is not in default beyond any applicable grace or cure period.
- 14. Environmental Laws. Landlord represents that it has no knowledge of any substance, chemical or waste (collectively, "Hazardous Substance") on the Property that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Landlord and Tenant shall not introduce or use any Hazardous Substance on the Property in violation of any applicable law. Landlord shall be responsible for, and shall promptly conduct any investigation and remediation as required by any applicable environmental laws, all spills or other releases of any Hazardous Substance not caused solely by Tenant, that have occurred or which may occur on the Property. Each party agrees to defend, indemnify and hold harmless the other from and against any and all administrative and judicial actions and rulings, claims, causes of action, demands and liability (collectively, "Claims") including, but not limited to, damages, costs, expenses, assessments, penalties, fines, losses, judgments and reasonable attorney fees that the indemnitee may suffer or incur due to the existence or discovery of any Hazardous Substances on the Property or the migration of any Hazardous Substance to other properties or the release of any Hazardous Substance into the environment (collectively, "Actions"), that relate to or arise from the indemnitor's activities on the Property. Landlord agrees to defend, indemnify and hold Tenant harmless from Claims resulting from Actions on the Property not caused by Landlord or Tenant prior to and during the Initial Term and any Renewal Term of this Lease. The indemnifications in this section specifically include, without limitation, costs incurred in connection with any investigation of site conditions or any cleanup, remedial, removal or restoration work required by any governmental authority. This Section 14 shall survive the termination or expiration of this Lease.
- 15. Assignment and Subleasing. Tenant may assign this Lease and the Easements (as defined above) granted herein upon written notice to Landlord. Upon such assignment, Tenant shall be relieved of all liabilities and obligations hereunder and Landlord shall look solely to the assignee for performance under this Lease and all obligations hereunder. Tenant may sublease the Premises, upon written notice to Landlord.

Additionally, Tenant may, upon notice to Landlord, mortgage or grant a security interest in this Lease and the Antenna Facilities, and may assign this Lease and the Antenna Facilities to any mortgagees or holders of security interests, including their successors or assigns (collectively "Mortgagees"), provided such Mortgagees agree to be bound by the terms and provisions of this Lease. In such event, Landlord shall execute such consent to leasehold financing as may reasonably be required by Mortgagees. Landlord agrees to notify Tenant and Tenant's Mortgagees simultaneously of any default by Tenant and to give Mortgagees the same right to cure any default as Tenant or to remove any property of Tenant or Mortgagees located on the Premises, except that the cure period for any Mortgagees shall not be less than thirty (30) days after receipt of the default notice, as provided in Section 9 of this Lease. All such notices to Mortgagees shall be sent to Mortgagees at the address specified by Tenant. Failure by Landlord to give Mortgagees such notice shall not diminish Landlord's rights against Tenant, but shall preserve all rights of Mortgagees to cure any default and to remove any property of Tenant or Mortgagees located on the Premises as provided in Section 17 of this Lease.

- 16. Successors and Assigns. This Lease and the Easements granted herein shall run with the land, and shall be binding upon and inure to the benefit of the parties, their respective successors, personal representatives and assigns.
- 17. Waiver of Landlord's Lien. Landlord hereby waives any and all lien rights it may have, statutory or otherwise, concerning the Antenna Facilities or any portion thereof, which shall be deemed personal property for the purposes of this Lease, whether or not the same is deemed real or personal property under applicable laws, and Landlord gives Tenant and Mortgagees the

right to remove all or any portion of the same from time to time, whether before or after a default under this Lease, in Tenant's and/or Mortgagee's sole discretion and without Landlord's consent.

18. Miscellaneous.

- (a) The prevailing party in any litigation arising hereunder shall be entitled to its reasonable attorneys' fees and court costs, including appeals, if any.
- (b) Each party agrees to furnish to the other, within twenty (20) days after request, such truthful estoppel information as the other may reasonably request.
- (c) This Lease constitutes the entire agreement and understanding of the parties, and supersedes all offers, negotiations and other agreements. There are no representations or understandings of any kind not set forth herein. Any amendments to this Lease must be in writing and executed by both parties.
- (d) Each party agrees to cooperate with the other in executing any documents (including a Memorandum of Lease in substantially the form attached hereto as Exhibit C) necessary to protect its rights or use of the Premises. The Memorandum of Lease may be recorded in place of this Lease by either party. In the event the Property is encumbered by a mortgage or deed of trust, Landlord agrees, upon request of Tenant, to obtain and furnish to Tenant a non-disturbance and attornment agreement for each such mortgage or deed of trust, in a form reasonably acceptable to Tenant. Tenant may obtain title insurance on its interest in the Premises. Landlord agrees to execute such documents as the title company may require in connection therewith.
 - (e) This Lease shall be construed in accordance with the laws of the state in which the Property is located.
- (f) If any term of this Lease is found to be void or invalid, such finding shall not affect the remaining terms of this Lease, which shall continue in full force and effect. The parties agree that if any provisions are deemed not enforceable, they shall be deemed modified to the extent necessary to make them enforceable. Any questions of particular interpretation shall not be interpreted against the draftsman, but rather in accordance with the fair meaning thereof. No provision of this Lease will be deemed waived by either party unless expressly waived in writing signed by the waiving party. No waiver shall be implied by delay or any other act or omission of either party. No waiver by either party of any provision of this Lease shall be deemed a waiver of such provision with respect to any subsequent matter relating to such provision.
- (g) The persons who have executed this Lease represent and warrant that they are duly authorized to execute this Lease in their individual or representative capacity as indicated.
- (h) This Lease may be executed in any number of counterpart copies, each of which shall be deemed an original, but all of which together shall constitute a single instrument.
- (i) All Exhibits referred to herein and any Addenda are incorporated herein for all purposes. The parties understand and acknowledge that Exhibit A (the legal description of the Property) and Exhibit B (the Premises location within the Property), may be attached to this Lease and the Memorandum of Lease, in preliminary form. Accordingly, the parties agree that upon the preparation of final, more complete exhibits, Exhibits A, and/or B, as the case may be, which may have been attached hereto in preliminary form, may be replaced by Tenant with such final, more complete exhibit(s). The terms of all Exhibits are incorporated herein for all purposes.
- (j) If Landlord is represented by any broker or any other leasing agent, Landlord is responsible for all commission fee or other payment to such agent, and agrees to indemnify and hold Tenant harmless from all claims by such broker or anyone claiming through such broker. If Tenant is represented by any broker or any other leasing agent, Tenant is responsible for all commission fee or other payment to such agent, and agrees to indemnify and hold Landlord harmless from all claims by such broker or anyone claiming through such broker

The effective date of this Lease is the date of execution by the last party to sign (the "Effective Date").

LANDLORD: Virginia E. Cuchares

Printed Name:

Site Number: Site Name:

Its:	
Date:	2/7/04
LANDLORD:	
Ву:	
Printed Name:	- demand - reduction - reducti
Its:	Marie Control of the
Date:	a s
TENANT:	VoiceStream PCS II Corporation
By:	Way c/2
Printed Name:	Worker be Engineering 2-18-2009
Its:	Director of Engineering
Date:	2-18-2004
Approved as to	form

ADDENDUM TO SITE LEASE WITH OPTION [Additional Terms]

In the event of conflict or inconsistency between the terms of this Addendum and this Lease, the terms of the Addendum shall govern and control. All capitalized terms shall have the same meaning as in this Lease.

- 1. Section 8(d) shall be deleted in its entirety and replaced with the following:
 - (d) immediately upon written notice by Tenant if the Premises of the Antenna Facilities are destroyed or damaged so as in Tenant's reasonable judgement to substantially and adversely affect the effective use of the Antenna Facilities. In such event, all rights and obligations of the parties shall cease as of the date of the damage or destruction, and Fenant shall be entitled to the reimbursement of any Rent prepaid by Tenant. If Tenant elects to continue this Lease, then all Rent shall abate until the Premises and/or the Antenna Facilities are restored to the condition existing immediately prior to such damage or destruction; or
- Section 15 shall be deleted in its entirety and replaced with the following:
 - 15. <u>Assignment and Subleasing</u>. Tenant may assign this Lease and the Easements (as defined above) granted herein upon written notice to Landlord. Upon such assignment, Tenant shall be relieved of all liabilities and obligations hereunder and Landlord shall look solely to the assignee for performance under this Lease and all obligations hereunder. Tenant may not sublease the Premises upon written notice to Landlord without the prior written consent of Landlord, which consent will be conditioned upon Landlord receiving additional rent from Tenant or Tenant's sublessee.

LANDLORD:	Virginia E. Cuchares
By: Printed Name: Its: Date:	Virginia E. Cuchares 2/7/04
TENANT:	VoiceStream PCS II Corporation
By: Printed Name:	Way be A level Director of Engineering 2-18-2004
rinted Name; [ts:	Director of Engineering
Date:	2-18-200-(

Market:

[Notary block for Individual]	
STATE OF COLORADO)
COUNTY OF EL PASO) ss.)
Dated: OLITORY LOS OF COORD (Use this space for notary stamp/seal)	Mary Lopez Notary Public Mary Lopez My commission expires II/LI Ole
[Notary block for Tenant]	
STATE OF COLOTADO COUNTY OF DONNER)) ss.)
before me, and said person acknowled execute the instrument and acknowled	satisfactory evidence that Wayne Luck is the person who appeared ged that he signed this instrument, on oath stated that he was authorized to ged it as the <u>Director of Engine ring</u> of VoiceStream PCS II Corporation, and voluntary act of such party for the uses and purposes mentioned in the
	Notary Public Print Name Rebekah L. Dury My commission expires 6-16-204
(Use this space for notary stamp/seal)	e e

Site Number: Site Name:

Market:

DN03486 CUCHARES RANCH DENVER MTA

EXHIBIT A Legal Description

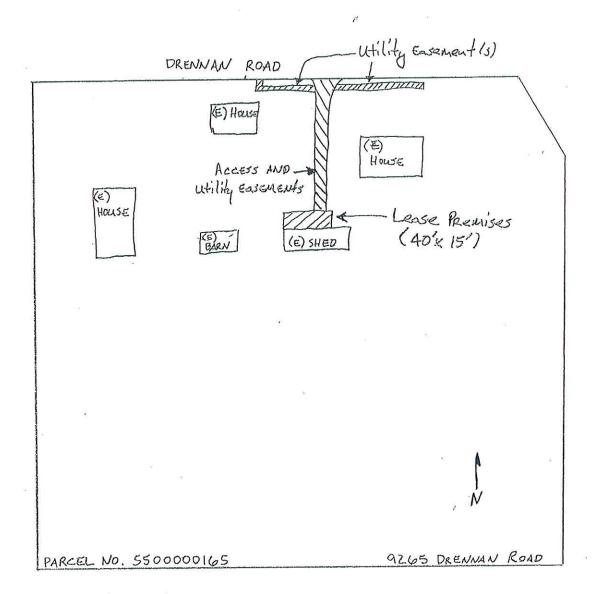
The Property is legally described as follows:

A TRACT OF LAND LOCATED IN THE NORTH HALF OF SECTION 3 TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT OF INTERSECTION OF THE EASTERLY RIGHT OF WAY OF MARKSHEFFEL ROAD WITH THE NORTHERLY LINE OF SAID SECTION 3; THENCE NORTH 89 DEGREES 53 MINUTES 06 SECONDS EAST ALONG SAID NORTHERLY LINE 517.16 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00 DEGREES 05 MINUTES 44 S.ECONDS WEST PARALLEL WITH AFORESAID EASTERLY RIGHT OF WAY OF MARKSHEFFEL ROAD A DISTANCE OF 2143.97 FEET; THENCE NORTH 89 DEGREES 24 MINUTES 57 SECONDS EAST 1958.02 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 1837.18 FEET; THENCE NORTH 58 DEGREES 00 MINUTES 07 SECONDS WEST 386.30 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 85.18 FEET TO A POINT ON SAID NORTH SECTION LINE; THENCE SOUTH 89 DEGREES 53 MINUTES 06 SECONDS WEST ON SAID NORTH SECTION LINE TO THE POINT OF BEGINNING.

EXHIBIT B

The location of the Premises within the Property (together with access and utilities) is more particularly described and depicted as follows:



Tenant initials: Vic.

This Exhibit "B" may be replaced by Tenant with surveyed metes and bounds description of the Premises and easements.

EXHIBIT C

Memorandum of ---Lease

Site Number: Site Name: DN03486 CUCHARES RANCH DENVER<u>MTA</u>

Memorandum of Lease

Assessor's Parcel Number: 5500000165 Between Virginia E. Cuchares ("Landlord") and VoiceStream PCS II Corporation ("Tenant")

("Landlord") and VoiceStream PCS A Site Lease with Option (the "Lease") by and between Virginia E. Cuchares II Corporation, a Delaware corporation ("Tenant") was made regarding a portion of following the property:

See Attached Exhibit "A" incorporated herein for all purposes

The Option is for a term of twelve (12) months after the Effective Date of the Lease (as defined under the Lease), with up to one additional twevle (12) month renewal ("Optional Period").

The Lease is for a term of five (5) years and will commence on the date as set forth in the Lease (the "Commencement Date"). Tenant shall have the right to extend this Lease for three (3) additional five-year terms.

IN WITNESS WHEREOF, the parties hereto have respectively executed this memorandum effective as of the date of the last party to sign.

By: Printed Name: Its: Date: VoiceStream PCS II Corporation TENANT: By: Printed Name: Its: Date:

Site Number:

LANDLORD: Virginia E. Cuchares

Site Name: Market:

DN03486 CUCHARES RANCH

DENVER MTA

[Notary block for Individual]	
STATE OF COLORADO)	
COUNTY OF EL PASO) ss.	
This instrument was acknowledged before me on Febr	uary 67, 2004, by Virginia E. Cuchares.
Notary Public Print Name My commission exp	YU SNET
(Use this space for notary stamp/seal)	
[Notary block for Tenant]	
county of Denver	
before me, and said person acknowledged that he signed to execute the instrument and acknowledged it as the \(\frac{\gamma}{\chi \chi'}\) a Delaware corporation, to be the free and voluntary act of instrument.	e that Wayne Leuck is the person who appeared his instrument, on oath stated that he was authorized to or of Engineering of VoiceStream PCS II Corporation, f such party for the uses and purposes mentioned in the
Dated: 2-18-2004	
Notary Public	ch 1. Duy
Print Name Ke	bekah L. Dury
My commission exp	ires (1 - 110 - 2004)
(Use this space for notary stamp/seal)	

Site Number: Site Name:

Market:

DN03486 CUCHARES RANCH DENVER MTA

Version 10-2-01

Memorandum of Lease EXHIBIT A Legal Description

The Property is legally described as follows:

A TRACT OF LAND LOCATED IN THE NORTH HALF OF SECTION 3 TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT OF INTERSECTION OF THE EASTERLY RIGHT OF WAY OF MARKSHEFFEL ROAD WITH THE NORTHERLY LINE OF SAID SECTION 3; THENCE NORTH 89 DEGREES 53 MINUTES 06 SECONDS EAST ALONG SAID NORTHERLY LINE 517.16 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00 DEGREES 05 MINUTES 44 S.ECONDS WEST PARALLEL WITH AFORESAID EASTERLY RIGHT OF WAY OF MARKSHEFFEL ROAD A DISTANCE OF 2143.97 FEET; THENCE NORTH 89 DEGREES 24 MINUTES 57 SECONDS EAST 1958.02 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 1837.18 FEET; THENCE NORTH 58 DEGREES 00 MINUTES 07 SECONDS WEST 386.30 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 85.18 FEET TO A POINT ON SAID NORTH SECTION LINE; THENCE SOUTH 89 DEGREES 53 MINUTES 06 SECONDS WEST ON SAID NORTH SECTION LINE TO THE POINT OF BEGINNING.