### **AMENDMENT NO. 3**

## Between INCORPORATED COUNTY OF LOS ALAMOS, An Incorporated County of the State of New Mexico, As Landlord

### CELLCO PARTNERSHIP, D/B/A VERIZON WIRELESS, As Tenant

This **AMENDMENT NO. 3** is entered into by and between the **Incorporated County of Los Alamos**, an incorporated county of the State of New Mexico ("County" or "Landlord"), and **Cellco Partnership**, **d/b/a Verizon Wireless** ("Tenant"), to be effective for all purposes April 1, 2024.

**WHEREAS**, the original solicitation for Wireless Communications Facilities Lease, Request for Proposals, No. 2002-1350 (the "RFP") was issued on November 13, 2001; and

WHEREAS, County and Tenant, or their predecessors-in-interest, entered into a Lease Agreement for Antenna Collocation and Facilities Site ("Lease Agreement") on July 21, 2005, with the Primary Term of sixty (60) months. The Lease Agreement gave Tenant the right to extend the lease term for five (5) periods of five (5) years each by giving written notice of renewal to County at least ninety (90) days prior to the expiration of the then-current lease term; and

WHEREAS, the Primary Term was extended on October 1, 2010; and

**WHEREAS**, the Lease Agreement was amended pursuant to a certain Amendment No. 1 effective April 30, 2011 ("Amendment No. 1"); and

**WHEREAS**, the Lease Agreement was amended pursuant to a certain Amendment No. 2 effective October 1, 2015 ("Amendment No. 2"); and

WHEREAS, Tenant wishes to modify some of the major equipment to be used on the site identified in amended Exhibit B-3 of the Lease Agreement. Tenant will replace all nine (9) existing panel antennas with nine (9) new panel antennas; remove six (6) existing Tower Mounted Amplifier (TMA) units; install three (3) new Remote Radio Head (RRH) units; retain six (6) RRH units; retain one (1) hybrid line of coax; retain twelve (12) coaxial cables, Remote Electrical Tilt (RET); and retain one (1) twelve port junction box. All new equipment will be mounted at the very same location and heights as the existing antennas, will not extend beyond their current top height, and the modification will have no impact on the current facility's ground footprint, nor will it require any ground or water tank disturbance, all and only as shown in the ten (10) page plan set last revised on April 6, 2023 ("Plans") that are attached hereto as Exhibit B-4 and incorporated herein by this reference; and

**WHEREAS**, Tenant intends that Landlord rely on and Landlord does rely on the accuracy and reliability of all of the information in Exhibits B-4 (engineered plans); and

**WHEREAS**, Council now ratifies and affirms the award of this Amendment No. 3 and finds that ratification and affirmation of this Amendment No. 3 is in the best interest of County; and

**WHEREAS**, The Board of Public Utilities approved this Amendment No. 3 at a public meeting held on February 21, 2024; and

**WHEREAS**, the County Council approved this Amendment No. 3, by Ordinance No. 730, at a public meeting held on March 26, 2024.

**NOW, THEREFORE**, for good and valuable consideration, County and Tenant agree as follows:

- **I.** The Tenant agrees that in connection with this Amendment No. 3 the County is acting solely within its proprietary rights and authority as a property owner.
- II. To include a new Exhibit B-3 attached hereto, in its entirety. Exhibit B-3 is intended to supplement Exhibit B and Exhibit B-1 to the Lease Agreement. To the extent of a conflict between Exhibit B or Exhibit B-1 and Exhibit B-3, Exhibit B-3 shall control.
- III. ADMINITRATIVE AND SITE REVIEW FEE. Within ninety (90) days after the parties fully execute this Amendment No. 3, Tenant shall pay to Landlord a nonrefundable one-time administrative and site review fee equal to FIFTEEN THOUSAND DOLLARS (\$15,000.00) to cover Landlord's costs to review and execute this Amendment No. 3. The Administrative and Site Review Fee shall not be any offset to any Rental owed under this Third Amendment and is fully earned and non-refundable by Landlord upon the full execution of this Third Amendment.

Except as expressly modified by this Amendment No. 3, the Lease Agreement is hereby ratified and reaffirmed, and the terms and conditions of the Lease Agreement remain unchanged and in effect.

**IN WITNESS WHEREOF**, the parties have executed this Amendment No. 3 on the date(s) set forth opposite the signatures of their authorized representatives to be effective for all purposes on April 1, 2024.

| AIIESI               | INCORPORATED COUNTY OF LOS ALAMOS |      |  |  |  |  |  |
|----------------------|-----------------------------------|------|--|--|--|--|--|
|                      | By:                               |      |  |  |  |  |  |
| NAOMI D. MAESTAS     | PHILO S. SHELTON III, P.E.        | DATE |  |  |  |  |  |
| COUNTY CLERK         | UTILITIES MANAGER                 |      |  |  |  |  |  |
| Approved as to form: |                                   |      |  |  |  |  |  |
| J. ALVIN LEAPHART    |                                   |      |  |  |  |  |  |
| COUNTY ATTORNEY      |                                   |      |  |  |  |  |  |

| STATE OF NEW MEXICO    |  |
|------------------------|--|
|                        | : SS   |
| COUNTY OF LOS ALAMOS   |  |
|                        |  |
|                        | nowledged before me thisday of March 2024, es Manager for the Incorporated County of Los Alamos. |
|                        | NOTARY PUBLIC  |
| My Commission Expires: |  |
|                        |  |
|                        |  |
|                        |  |

|  | Cellco Partnership,<br>D/B/A Verizon Wireless  |
|--|--|
|  | Ву:  |
|  | Name:  |
|  | Date:  |
|  | Title:   |
| STATE OF ARIZONA ) : SS COUNTY OF MARICOPA )                                   |  |
| acknowledged to me that he executed the s                                      | who proved to me on the basis of satisfactory is subscribed to the within instrument and ame in his authorized capacity, and that by his e entity upon behalf of which the person acted, |
| I certify under PENALTY OF PERJURY un foregoing paragraph is true and correct. | der the laws of the State of Arizona that the  |
| WITNESS my hand and official seal.   |  |
|  |  |
|  | Signature of notary Public   |
| (Seal)   |  |

Amendment No. 3 Lease for Antenna Collocation and Facilities Site between Incorporated County of Los Alamos and Cellco Partnership, dba Verizon Wireless 4

### **EXHIBIT B-3**

### Amendment No. 3

### Verizon North Mesa Water Tower Equipment Changes

### **REMOVING:**

- Nine (9) existing panel antennas
- Six (6) existing TMA Units

### **INSTALLING:**

- Nine (9) new panel antennas
- Three (3) RRH units

### **RETAINING:**

- Six (6) RRH Units
- One (1) hybrid line of coax
- Twelve (12) coaxial cables (RET)
- One (1) twelve port junction box



NM4 QUEMAZON

VERIZON SITE NAME:

SITE ADDRESS:

280 N MESA RD LOS ALAMOS, NM 87544

EXISTING COMMUNICATION SITE 5G L-SUB6 - CARRIER ADD

PROJECT TYPE:

SITE TYPE

DATE: VERIZON CONSTRUCTION MANAGER BRANDON STATION 505.991.6330 COMSITE ENGINEERING, LLC 3060 MERCER UNIVERSITY DR. SUITE 210 ATLANTA, GA 30341 GEOSTRUCTURAL, LLC. P.O. BOX 2621 BOISE, ID 83701 PROJECT TEAM PATRICK COLLINS 404.825.0981 APPROVALS STRUCTURAL ENGINEER: ADDRESS: FIRM: VERIZON SITE AQ: VERIZON CONST.: VERIZON OPS: VERIZON RF: CONTACT: PHONE: SITE REP: PHONE: INCORPORATED COUNTY OF LOS ALAMOS 2451 CENTRAL AVE, STE A LOS ALAMOS, NM 87544 42.37"W INCORPORATED COUNTY OF LOS ALAMOS 2451 CENTRAL AVE, STE A LOS ALAMOS, NM 87544 SITE COORDINATES: 35.896674\* / -106.295104\* (LAT/LONG) 35: 53\* 48.02\*N / 106\* 17\* VERIZON WIRELESS 4821 EUBANK BLVD NE ALBUQUERQUE, NM 87111 PROPERTY INFORMATION 7349'± AMSL (NAVD88) LOS ALAMOS COUNTY LOS ALAMOS COUNTY TIM GLASCO 505.662.8148 TIM GLASCO 505.662.8148 XXXX SQ. FT. LOS ALAMOS XXXX APPLICANT/LESSEE: ADDRESS: TOTAL LEASE AREA: PROPERTY OWNER: ADDRESS: TOWER OWNER: ADDRESS: POWER COMPANY: GROUND ELEV: JURISDICTION: CITY/TOWN: COUNTY: CONTACT: PHONE:

PROJECT DESCRIPTION & THIS PROJECT WILL BE COMPRISED OF:

LANDLORD:

CHANGES TO THE EMSTING VERIZON TOWER EQUIPMENT.

\*\* TRADOR\*\* (8) EMSTING DIPLEKES

\*\* NISTAL! (9) NEW ARTIENUS

\*\* NISTAL! (3) NEW GRISS RRH'S

CHANGES IN THE EXISTING VERIZON EQUIPMENT AREA:

• INSTALL (1) NEW C-BAND 6648 BBU

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SPECIFIC LOCATION MAP

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DRIVING DIRECTIONS

REV DRAWING INDEX

**Veri On**wireless

4821 EUBANK BLVD NE

ALBUQUERQUE, NM 87111

VIVERSITY DR.

3060 MERCER UNIVERSITY D SUITE 210 ATLANTA (2A 30341

MA CHECKED BY:

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| SHIEL DESCRIPTION | TITLE SHEET | GENERAL NOTES | GENERAL NOTES | SYMBOLS & ABBREVIATIONS | SITE PLAN | EQUIPMENT PLAN | EXISTING AND PROPOSED TOWER ELEVATIONS | EXISTING AND PROPOSED ANTENNA PLANS | RF DATA SHEET & COAX ANTENNA DIAGRAM | GROUNDING DETAILS |   |   |   |  |  |

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## COMPLIANCE NOTES

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 IN 607, COMMERCIAL BULDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMANDICATIONS.

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GENERAL COMPLANCE

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2. DEFELIPMENT AND USE OF THIS SITE WILL CONFORM TO ALL APPLICABLE CODES AND OPENIANCES. E. COMPLIANCE. CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF 24—10BC

OR BETTER. 2. CONTRACTOR TO INSTALL FIRE DEPARTMENT APPROVED "NOVX BOX" PER DEPARTMENT REGULATIONS.

FOR ANY CONFLICTS BETWERN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERAL, METHODA CONSTRICTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL OWNERN WHERE THERE IS CONFLICT BETWERN A GENERAL REQUIREMENT AND A SPECIFIC STEADING-AIM THE SPECIFIC STEADING-BAIL SHALL DOWNERN.



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## SITE NAME: NM4 QUEMAZON

WATER TANK SITE TYPE:

TITLE SHEET



### 2. ALL DESIDNE, OLIVE SERRE, METES, GELECIERO, MOHEN UTILISTE SER EDOURITION THE WING SAULE ET CONTINUES AND ALLES AND METES REQUESTED IN THE SER ENGAGED SERVED TO CONTINUES ADDITIONATION SELECE AND THE SERCOMPRICTION WERE DOWNING ON PALL REPORTS SETTE DIMBNE OF THE RESOURCE THOSE ALLES ADDITION SHOULD SELECE AND THE RESOURCE THE WING WELL SELECT SHOULD SELECT TO THE RESOURCE THE WING WELL SHOULD SELECT THE THE PROTECTION SHOULD SELECT THE SERVENCE OF THE PROTECTION SHOULD SELECT THE SECURITIES OF THE PROTECTION SHOULD SELECT THE SECURITIES OF TH THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION GENERAL NOTES WORK Attachment F

4. IF NECESSARY RUBISH, STUMPS, DEBRIS, STONES AND OTHER REFUSE SHALL BE REMONED FROM THE SITE AND DISPOSED OF LEGALLY. 3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.

5. ALL DETAING LINKOTINE STREN, WATER, CAS, ELECTRIC AND OTHER ULTILITIES, WITH THE EDECUTION OF THE WORK, SHALL BE FRADERS HAVE) REPORTED WHO PREPARED STRENGTHEN THE PROTEINS WHO HER THE WATER WITH THE EDECUTION OF THE WORK, SHAREST TO THE APPROANL OF CONTRIGINGTION, OTHERS THAN AND/OR LOCAL ULTILITIES.

6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.

7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE VERIZON WIRELESS SPECIFICATION FOR SITE SIGNAGE. 8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS. 9. NO FILL OR ENBANKUENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKAENT. 10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION

11. THA AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COARED BY THE TOWER, EQUIPMENT OR DRINKWA, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABALLZED TO PREVENT EROSION. 12. SUBCONTRACTOR SHALL MINNINZE DISTURBANCE TO EDISTING SRE DIVING CONSTRUCTION. EROSON CONTROL MESSURES, IF REQUERED DURING CONSTRUCTION, SHALL BE IN ACCORDANCE WITH THE LOCAL JUSISACTION'S GUIDLINES FOR EROSION AND ESTIMENT CONTROL.

## STRUCTURAL STEEL NOTES

A STEEL SHALL BE GALMANZED FOR ASTUR A 123 AND CONFORM TO THE FOLLOWING MINIMUM SPECSS.

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MINIMUM STEELS SHALL BE GALMANZED FOR ASTUR ASD, BA 187 ASD, BA 187 ASD

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MINIMUM STEEL SHALL BE GALMANZED FOR ASTUR AS

2 ALL BOLTS SHALL BE GALWANZED PER ASTIA A153 AND CONFORM TO ASTIA GRODE A225 UNLESS NOTED OTHERWISE. ALL BOLTED CONNECTIONS SHALL BE EQUIPED WITH A PROPER, AND APPROVED NOTI-LOCKING DRACE. 3 ALL WELDING WORK SHALL CONFORM TO THE AWS DITISRUCTURAL WELDING CODE. ALL WELDING SHALL BE PERFORMED BY CERTIFED WELDERS ONLY, WELDING ELECTRODES SHALL BE ETOXX.

5 THE CONTRACTOR SHALL SUBJUT DEFALED, BUGNEERED, COORGONATED AND CHECKED SHOP DRAWINGS FOR ALL STRUCTURAL STEEL 10 THE SHORERS OF RECORD TO REMEW FOR COMPLANCE WITH DESIGN MITDIT PROBY TO THE START OF PAB, AND/OR ERECTION. 4 ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECS AND CODES, LATEST EDITION.

7. ALI STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTA A36 UNLESS OTHERWIS: NOTED. 5 TORCH-CUTIING OF ANY KIND SHALL NOT BE PERMITED.1.

8. ALL WELDING SHALL BE PEBFORMED USING ETOXX ELECTRODED AND WELDING SHALL CONFORM TO ASC, WHERE FILLET WELD SZES ARE DROVEN, PROVIDE THE LINIMUM SZE PER DABLE 42.4 IN THE ASC, "DANIAL OF STEEL CONSTRUCTION", PAMIED SURFAXES SHALL BE TOUCHED UP.

BOLTED CONNECTIONS SHALL BE ASTM A225 BEARING TPE (3/4\*) CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OFFERINGS.

NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.

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## WOOD FRAMING NOTES

ALL THAREN JOISTS & LEDGER SHALL CONFORM TO THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES:

Fig. 17.00 psi

Fig. 17.00 psi

E = 1,300 ksi

CONCRETE NOTES:
1. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI 028 DAYS

2. ALL REINFORCING STEEL SHALL CONIFORM TO ASTM A615 GRADE 60.

CONTRACTOR SHALL PROVIDE CLEARANCE FOR ALL REBAR OF 3" UNLESS NOTED OTHERWISE

4. ALL REBAR SHALL BE SUPPORTED ABOVE SOIL SURFACE WITH ACI-APPROVED METAL REBAR CHAIRS

1, METAL LATHING & ACCESSORIES SHALL CONFORM TO KISH 1084-66, MISSN "TECHNOUL BILLETIN 101" "AND AGENIA C SH I TON STATIONI OF METAL LATHING NEW PACTORING HONOUS. AND TS QC-L-101. MANIFACINERS'S SHAWAND STELL CHANNELD INSERT (STAIR A PSS GOS) ON STELL PRODUCTS.

3. EXTERIOR GALVANIZED DIAMOND MESH LATH OF 3.4 lbs. PER SQ. YD. MAY BE USED INSTEAD OF STUCCO NETTING. 2. STUCCO MESH SHALL BE GALVANIZED HEXAGONAL WOVEN SIDE MESH 1-1/2", 17 GA., SELF FURRED.

4. IMEE COAT STUCCO SYSTEM TO BE USED CONSISTING OF MANUFACTURER'S STAMDARD PRODUCTS CONSISTING OF SYMPHOLIE DESCRIPTION OF THIS THIS PROSECUATION BY USED. COAT LOST PLASTER PROSECUATION BY USED. COAT USED. COAT LOST OF THIS PROSECUATION BY USED. COAT USED. COAT LOST OF THIS PROSECUATION BY USED. COAT USED. COAT LOST OF THIS PROSECUATION BY USED. COAT USED. COAT LOST OF THIS PROSECUATION BY USED. COAT L

5. INSTALLATION OF METAL SUPPORT SYSTEMS SHALL COMPLY WITH ASTM C 754.

6. CONTRACTOR TO APPLY DIAMOND MESH AT ALL CORNERS AND OPENINGS.

7. CONTRACTOR TO PROVIDE EXPANSION AND CONTROL JOINTS WHERE NOTED ON PLANS AND AT ALL DISSIMILAR MATERIALS JUNCTIONS.

8 CONTRACTOR TO MOST CURE EACH BASCOAT WITH CLEM POTABLE WATER FOR 48-72 HOURS FOLLOWING MITH, EACH AFFLICTION, LIVEN BROWN COAT TO AR CURE FOR AN ADDITIONAL 7-10 DAYS BEFORE THE AFFLICATION FOR THE CALBERT BEST DAYS USED THE AFFLICATION FOR THE CALBERT BEST DAYS USED THE AFFLICATION FOR THE CALBERT BASED INVISES COATS.

# CONCRETE MASONRY UNIT (CMU) NOTES:

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B. ETCHORW WILL AS TO RECLOR ON GAIDE. THE W, 1/4 PART HIGHERD LIBE TO 1 PART PORTIAND
CARRED BY VALUE.

C. PROTIAND CARRED. SAN L. GOV. THE 1 OR B.

HYDHARD LIBE SAN L. GOV. THE S.

5. GROUT PER ASTM C476.

I. PROVIDE REINFORCING STEEL AND GROUT SOLID THREE CORNER CELLS AT ALL CORNER LOCATIONS.

5. AT WALL OPENINGS & END OF WALL LOCATIONS, PROVIDE REINFORCING & GROUT SOLID LAST TWO CELLS, OR THE TWO CELLS ON EITHER SIDE OF OPENING.

7. ALL CAU BLOCK TO HAVE EXTENDE DECORATIVE FINISH TO MATCH BLOCK WALL OF ADJACENT BUILDING, CARU BLOCK WALL TO BE PARITED TO MATCH ADJACENT BUILDING. 6. GROUT SOLID ALL BOND BEAMS, RUN REINFORCING CONTINUOUS AROUND ALL CORNERS WITH APPROPRIATE SPLICES.

## GROUNDING NOTES

1. THE SEROMINACTOR SHALL REVER AND INSPECT THE DISTING FACULT GROUDING SYSTEM AND LUSHINKS PROTECTION SYSTEM, ASSESSED CAN ASSESSED CA

All recovering excitence systems (wich upwa teccommunication, page, lighther protection, and ac power Systyle be bridged together, at the below gaude, by this or more copper bonding conductions in Accordance with the fire.

3. THE SUBOMFIRACTOR SHALL PERFORM TEE FALL—G-ADTENTIA, RESISTANCE TO EMPIN TESTING (PER EEE 100 BI) FOR NET REQUIRED RESISTANCE, THE SUBOMFIRACTOR SHALL FINISH AND INSTALL SUPPLIMENTAL ROBOMBING LECTROLOGS. SA REEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

4. META, BACEWAY SHALL NOT GE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR, STRANDED COPPER CONDUCTORS, STRIN GREEN LOSALDINGHON, SEZED IN ACCORDANCE, WITH THE NEC, SHALL BE FLARKSED AND INSTALLED WITH PER PROPER CONDUCTOR TO STIS SQUIPMENT.

5. EICH BTS CABINET SHALL BE DIRECTLY CONNECTED TO THE MISTER GROUND BAR WITH GREDN INSULATED CAPACITATION CONTROLLED COMPANIE TOWNING THIS, 2 MIN STRANDED COPPER FOR VIOCOR BIS, 2 MIN STRANDED COPPER FOR VIOCOR BIS, DAILY STRANDED COPPER FOR VIOCOR BIS, DAILY

6. EXCINERACI WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE. PREPARED MITIDADEN CONNECTIONS (E., CONDUCTINE, GEL OR PASTE) SHALL BE USED ON ALL COUPPESSON AND BOLIEB GRADIO OSWECTIONS.

ICE BRIDGE BONDING CONDUCTORS SYMLL BE EXCTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE THE BRIDGE AND THE TOWER GROUND BAR.

TO, MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NED. ALUMINUM CONDUCTOS OR COPPER CLAD STEEL CONDUCTORS SHALL NOT BE USE FOR GROUNDING CONNECTIONS.

11. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AMC COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS 1.2 GROWN CONDUCTORS USEN BY HE FALLY GROWN AND LIGHT WESTERN STRIPES SHALL NOT REPORT THE SERVEN THE SERVEN THE SERVEN THE SERVEN TO SERVEN SHALL RESETS WHICH WE SERVEN SHALL SHALL

29. THE SUBCOMPACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEPORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS. 20. THE SUBCONTRACTOR SIJUL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION I IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

28. NONMETALIC RECEPTACE, SMITCH, AND DENCE BOXES SHALL MEET OR EXCEED NEM, OS 2; AND RATED NEMA (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

## verizonwireless SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLIN TO THE NEW BIS EQUIPMENT, SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE AND TELCORODA.

INSTALLATION NOTES

ELECTRICAL

4821 EUBANK BLVD NE

ALBUQUERQUE, NM 87111

3. All chouns shull be segreated and mantan minimum cable separation as required by the Nec and Telcohola.

CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.

ComSile
ENGINEERING, LLC
3003 MERCER (NUNESSIY)BL.
ATLANTA CASSERIA
ATLANTA COSCORDI

6. POWER PHASE CONDUCTORS (I.E., NOTS) SHALL BE LABEED WITH COLOR-CODED INSULATION OR ELECTRICAL. THEFE (3M BOAM), I.7. ARCH PLAST ELECTRICAL, PER THIN UP PROTECTION, OR ELECTRICAL PROSE SHALL CONFIDEN WITH THE NEE, & SSHA AND MATCH EDISTRIES RISKLALINDIN REQUIREBERTS. 7. ALI ELETRICA CAMPONENTS SHALL SE CLEARY LAGELD WITH PRORMED LAMACOD PASTIC LAGELS ALI EGIPPONET SHALL BELGELD WITH THER VOLUGE RAINCAPHASE CONFIDENTION, WITH CONFIDENTION, POWER AMPLOTT PRINTING, AND BRINGEL GROUN ID NUMBERS (LE., PARELBAND AND GROUN ID'S).

5. EICH DID OF PREM POWER, GROUNDING, MD TI COMBUCTINSS AND CABLE SHALL BE LABELD WITH COLDS-COLDS INSLANDING OR ELECTRICAL THE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL THE WITH UV PROPRIETING ARE GAYL.) THE DEMITISCHING METHOD SHALL CONFORM WITH NEC & CSAL AND JATCH ENSTING METHOD WITH A DEMITISCHING METHOD SHALL CONFORM WITH NEC & CSAL AND JATCH ENSTING

MA CHECKED BY:

0 04/06/23 ISSUED FOR CONSTRUCTION
A 04/05/23 ISSUED FOR REVIEW
REV DATE DESCRIPTION

10. POWER, COMPGU, AND EQUIPAENT GROUND WIRANG IN TUBING OR CONDUIT SHALL BE SINGE CONDUCTOR (12 MAN OR MERSEL), BOWL, OLI RESISTINAT THAN OR THAN-2, CLASS B STANDED COPPER OLDEE RAITD FOR 80°C. (MET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND IN-CENTA SISTEM USED, UNLESS CHICHMENS. SPECIFIED.

9. ALL TIE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES, USE LOW PROPILES TIE WRAPS.

8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRANED LAMACOID PLASTIC LABELS.

11. SIPPLIBERTAL EQUIPILENT GROUND WIRNG LOCATED NODORS SHALL BE SINGLE CONDUCTOR (6 AING OR LAGGE), GONY, OL RESSAINT THAN OR THINN-2 OREEN INSLAUNDIN, CLASS B STRANDED COPPER CUBLE PAIRED FOR 80°C (MET AND 100°F) OPERATION, LISTED OR LUBELED FOR THE LOCATION AND INCENTIN SISTEM USED,



15, PACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH MENA, UL, ANS/FIEE, AND NEC.

16. NEW PACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.

17. ELECTRICAL METALLIC TUBRING (SMT) OR RIGID NOMMETALLIC CONDUIT (ILE, RIGID PPC SCHEDULE 40, OR RIGID PPC SCHEDULE BIT FOR LUCATIONS SUBJECT TO PHYSIOLA DIMMEZ) SYALL BE USED FOR EPPOSED INDOOR LOCATIONS.

18. ELECTRICAL METALLIC TUBING (DAT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDORR LOCATIONS.

19. GALVANIZED STEEL INTERNEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE.

14. ALL PORTEX AND GROUNDING CONNECTIONS SHALL BE CRIM-S-TYLE, COUNPECSSON WIRE LUCS AND WIREBUITS PER FINGUAE AND BETTS (OR EQUAL), LUCS AND WIREBUITS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75 (90' OF RAMULAE).

AND

11. POWER WEING, NOT IN TUBING OR CONOUNT, SAMIL SE MAITH-CONOUNTING, FIVE TO CUBE. (12 MIG OR LINES), 800V OIL RESSEND THAN OR THINN-2, CLOSS IS STRANDED, COPPER CUBER PAID. THE SET OF REPORTING USES, UNILSS OTHERWISE SPECIFIES.

SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR 2 AND SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.

IT IS A WOUNTIN OF LAW FOR ANY PERSON UNLESS THEY ARE ACTIVE OF LAWS THEY AND THEY AND THEY AND THEY AND THEY AND THEY AND THEY CONSIST DEMONSTREE LEVEL WEST ENGLIFFACTOR AND THEY AND

21. LOUID-TIGHT FLEXIBLE METALLC COMDUT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBBATION OCCURS OR FLEXIBILITY IS NEEDED. 22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION—TYPE AND APPROVED FOR THE LOCATION USED. SET SOREM FITTINGS ARE NOT ACCEPTABLE.

20, RICID MONMETALLC CONDUT (1E, RICID PVC SCHEDULE 40 OR RICID PVC SCHEDULE 80) SHALL BE USED CONDUCTED UN RESIDENCE REPORTED IN REDIVEDRICED CONDUCTED IN RESIDENCE TRAFFIC OR ENGASED IN REDIVEDRICED CONDUCTED IN RESIDENCE OF COCKSIONAL LIGHT VEHICLE TRAFFIC.

SITE NAME: NM4 QUEMAZON

280 N MESA RD LOS ALAMOS, NM 87544 ADDRESS:

25. WEGENIYS SYALL BE EDOY-COATED (GRAY) AND INCLUDE, A HANGED COHEN, DESCHED TO SINNG OPEN COMMENCE, SHEE PANDOUT TYPE E (OR EQUAL); AND RAIDD NEMA ! (OR BETTER) INCOORS, OR NEMA. 3% (OR EDITING) ONTOORS.

23, CABNETS, BOXES, AND WIREMAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH MEAN, ANS/FEE, AND NEC.

24. CABINETS, BOXES, AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.

26 EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE QUIVANIZED OR PROYN-COATED SHEET INTEL, MEET ON EXCEED UL. 50, AND PAILED NEUAR 1 (OR BETTER) INDONES, OR NEUAR, 3F (OR BETTER) OUTDOORS. 27. MEN, RESPINCE, SWITCH, AND DENCE BOXES SHALL BE CALUMATED, EPOXY-CONTED, OR NON-CORRODING, SHALL MET GR. DECED. U. 514. Met Men. GS. T. NO. RNIED MEAN. 1 (OR BETTER) NODONES, OR WEATHER PROTECTED (M. 19 OR BETTER) OUTDONES.

SITE TYPE. WATER TANK

GENERAL NOTES: SITE WORK, GROUNDING, STEEL & ELECTRICAL

GN1

### DIVISION 01000 - GENERAL REQUIREMENTS PART 1 - GENERAL Attachment F

1. ALL WORK TO BE PERFORMED BY CERTIFIED NETWORK INSTALLATION PERSONNEL. MINIMUM OF TWO MEMBERS PER CREW.

REFER TO VERIZON WRELESS STANDARD CONSTRUCTION SPECIFICATIONS. IN CASE OF A CONFLICT, VERIZON WIRELESS. STANDARD CONSTRUCTION SPECIFICATIONS (LATEST EDITION) SHALL BE FOLLOWED. 2

3. A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THE EXISTING PROPOSED COMMUNICATION STRUCTURE ALL IS COMPONENTS ARE STRUCTURALLY ASSOCIATE TO SUPPORT THE EXISTING AND PROPOSED ANTENNAS, CONALC CASLES AND PROPOSED DEDIVENUE. THE COMPONENT OF THE CONTROL OF THE MENTAL CAST AND THE CONTROL STRUCTURE, THE OWNER'S AGENT SHALL END A CERTIFICATION LETTER SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

## PART 2 - GENERAL NOTES

THE CONTRICTOR SHALL GRYAL ALL OWIGES AND COLDELY WITH ALL LHAS, DROWNERS, NELLS, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC JATHORITY, MANICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOLDA, AND STATE JURISDIOLANI, CODELS AND PROJECT ON THE WIRELS, THE WORK, THE WORK, THE WORK DEFORMED ON THE PROJECT AND THE WIRELSHALL SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.

THE ACCURACY COMMENTER HAVE AND EDENT PETER TO SET FORTH IN THE CONSTRUCTION AND COMPINED DOCUMENTS. THE COMPLIES SOCIET OF WORK THE CONSTRUCTION AND COMPINED TO EXCEPT THE COMPLIES SOCIET OF WEIGHT FILESCE. SULFUNED THE MINNED MASSIONS OR BERRORS IN THE DRAWNES AND OR SPECIFICATIONS SHALL NOT EXCLUSE SAID WITHOUT OF THESE DOCUMENTS. THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.

THE CONTRACTOR OR BIODER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) VERYZON WIRELESS'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK.

THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LAGOR DEBMED NECESSARY TO COMPLETE THE WORK/PROLECT AS DESCRIBED. HERRIN.

THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS PERFORMING WORK TO FAMILIARZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIEY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DEMANNES.

THE CONTRACTOR SHALL OBTAIN ALTHORIZATION TO PROCEED WITH CONSTRUCTION PROPERTY OF STARTING WORK ON ANY ITEM NOT CLEARLY BETNED BY THE CONSTRUCTION DRAWINGS / CONFRACT DOCUMENTS. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUJACTURERS/YENDORS' SPECIPACIDINGS INLESS NOTED OTHERWISE OR WHERE LOCAL COORS OR ORDINANCES TAKE PRECEDENCE.

THE CONTRACTOR SHALL MAINTAIN A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDEBUDION'S OR CARRIFOLATIONS AMALLAGE FOR THE USE OF ALL PERSONNEL INVOLVED WITH THE PROJECT.

THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HERBIN, THE CONTRACTOR SHALL BE SOLELY RESCRIBED SOLES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRDE FOR THE WORD BY THE ARCHITECT/ENDINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.

THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SITE CONDIGINAS DIRENG CONSTRUCTION, UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPARK ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.

THE CONTRACTOR SHALL KEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DUGNIG CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBNS, RUBBISH AND REMOVE ALL UNIVERSARY MATERIAL.

## PART 2 - GENERAL NOTES (CONTINUED)

THE CONTRACTOR SHALL NOTIFY VERIZON WIRELESS'S REPRESENTATIVE WHERE A CONFLIC COCKINS ON MY OF THE CONTRACT DISCURLENTS. THE CONTRACTOR IS NOT TO ROBER MATERIAL, OR CONSTRICT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED BY VERIZON WIRELESS'S REPRESENTATIVE.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.

16. THE CONTRACTOR SHALL NOTIFY THE RF ENGINEER FOR ANTENNA AZIMUTH VERIFICATION (DURING ANTENNA INSTALLATION) PRIOR TO CONDUCTING SITE SWEEPING.

17. THE GENERAL CONTRACTOR SHALL IN ALL INSTANCES CONFORM TO THE SPECIFICATIONS ISSUED BY VERIZON WIRELESS.

18 PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS OR RISERS THROUGH THE BUILDING. DO NOT PERETRATE STREAMS WINDOWS TROUGURAL BUILDING. BY ONLY PERETRATIONS IN FIRE RATED CONSTRUCTION SYALL BE PACKED WITH FIRE RADIO METRAL WHICH SHALL MANIAN HE FIRE CONTROL STREAMS OF HE STRUCTURE. FILL FOR FLOOR PENETRATIONS SHALL PRECENT PASSAGE OF WATER, SHOKE FIRE AND FUMES. ALL MATERIAL SHALL BE UL APPROVED FOR

### MOOM

ALL MATERIALS INCLUDING PLYWOOD SHALL BE AS SPECIFIED ON THESE PLANS.

SPECIAL CONSTRUCTION ANTENNA INSTALLATION

### 1.01 WORK INCLUDED PART 1 - GENERAL

TETRINAS, AND FIBER CABLES SHALL BE AS SPECIFIED ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND PROPERTY. STRICT ADHERENCE TO GOHA STANDARDS IS MANDARED.

INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON WIRELESS SPECIFICATIONS

C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.

INSTALL FIBER CABLES AND TERMINATION'S BETWEEN ANTENMAS AND EQUIPMENT PER ANTENMAS AND EQUIPMENT HE ANTENMA AND EQUIPMENT FIRE MANUACUPERS REQUIREMENTS. TERMINATALL FIBER THAN AND EQUIPMENT FIREMANT TERMINATALL FIBER ESTATE. THE STATE OF ENTIRY PORT LOCATION UNLESS OTHERWISE STATED.

### METALS

### PART 1 - GENERAL

### 1.01 WORK INCLUDED

2. WELDING AND BOLTING OF ATTACHMENTS.

1. STEEL FRAMING INCLUDING BEAMS, ANGLES, CHANNELS AND PLATES.

## 1.02 REFERENCE STANDARDS

THE WORK SHALL CONFORM TO THE CODES AND STANDARDS OF THE FOLLOWING AGENCIES AS FURTHER CITED HEREIN:

1. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS, AS PUBLISHED IN "COMPILATION OF ASTM STANDARDS IN BUILDING CODES"

2. AWS: AMERICAN WELDING SOCIETY INC., AS PUBLISHED IN "STANDARD D1.1-2006, STRUCTURAL WELDING CODE".

3. AISC: AMERICAN INSTITUTE FOR STEEL CONSTRUCTION, AS PUBLISHED IN "CODE FOR STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," "SPECIATIONS AND FRED ESTON, FABRICATION AND FRECTION OF STRUCTURAL STEEL FOR BUILDINGS."

## PART 2 - PRODUCTS

### 2.01 MATERIALS

STRUCTURAL STEEL, SHALL COMPLY WITH THE REQUIREMENTS OF ASTM A36 AND A50 FOR STRUCTURAL STEEL.

WELDING ELECTRODES FOR MANUAL SHELDED METAL ARC WELDING SYALL CONFORM TO ASTA, ETO SERIES, BARE ELECTRODES AND GRANULAR FLUX USED IN THE SUBMERGED ARC PROCESS SHALL CONFORM TO AISC SPECIFICATIONS. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS. CERTIFICATION DOCUMENTS SHALL BE MADE AVAILABLE FOR ENGINEER'S AND/OR OWNER'S REVIEW IF REQUESTED.

FIELD WELDING SHALL BE DONE AS PER AWSD1.1 REQUIREMENTS VISUAL INSPECTION IS ACCEPTABLE WHEN FILLET SIZES ARE NOT SHOWN.

STUD WELDING SHALL BE ACCOMPLISHED BY CAPACITOR DISCHARGE (CD) WELDING TECHNIQUE USING MIDWIST PERTENERS, INC. CD 100 CAPACITOR DISCHARGE STUD WELDER, NELSON STUD WELDER OR EQUAL.

2.2 PROVIDE STUD FASTENERS OF MATERIALS AND SIZES SHOWN ON DRAWINGS OR AS RECOMMENDED BY THE MANUFACTURER FOR STRUCTURAL LOADINGS REQUIRED.

2.3 FOLLOW MANUFACTURES SPECIFICATIONS AND INSTRUCTIONS TO PROPERLY SELECT AND INSTALL STUD WELDS.

BOLTS SHALL BE 3/4" & (MINIMUM) CONFORMING TO ASTM A325, HOT DIP GALVANIZED OR ASTM A153. NUTS SHALL BE HEAVY HEX TYPE.

AL BOLTS SHALL BE INSTALLED IN SLIP CRITICAL CONNECTIONS CONFORMING TO AISC, USING THE 1/4" TURN METHOD.

## 2.04 FABRICATION

AND FABRICATION OF STEEL SHALL CONFORM TO THE AISC AND AWS STANDARDS CODES.

### 2.05 FINISH

ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123.

UPON COMPLETION OF ERECTION INSPECT ALL GALVANIZED STEEL AND PAINT ANY FIELD CONS, WELDS, OR GALVANIZED BREAKS WITH ZING BASED PAINT. COLOR TO MATCH THE GALVANIZINE PROCESS. 2.06 PROTECTION

## PART 3 - EXECUTION

### ERECTION OF STEEL 3.01

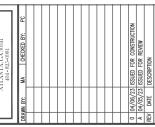
PROVIDE ALL ERECTION EQUIPMENT, BRACING, PLANKING, FIELD BOLTS, INJTS, WASHERS DRIFT PINS, AND SIMILAR MATERIALS WHICH DO NOT FORM A PART OF THE COMPETED CONSTRUCTION BUT ARE NECESSARY FOR ITS PROPER ERECTION.

ERECT AND ANCHOR ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC REFERENCE STANDARDS, ALL WORK SHALL BE ACCURATELY SET TO ESTABLISHED LINES AND BELAYIONS AND RIGIDLY FASTENED IN PLACE WITH SUITABLE ATTACHMENTS TO THE CONSTRUCTION OF THE BUILDING.

TEMPORARY BRACING, GUTING AND SUPPORT SHALL BE PROVIDED TO KEEP THE STRUCTURE SAFE AND ALIANDED AT ALL TIMES DAING, CONSTRUCTION, AND TEMPORARY LOADS AND STAY WITHIN SAFE CAPACITY OF ALL BUILDING COMPONENTS. Ö











477/2023

## SITE NAME: NM4 QUEMAZON

280 N MESA RD LOS ALAMOS, NM 87544 ADDRESS:

SITE TYPE. WATER TANK

GENERAL NOTES:

TOWERS

