



## CONDITIONAL USE PERMIT

Permit info: CUPFY2025-0010

Application Date: 5/12/2025 Rec'd by:

FOR OFFICE USE ONLY

6015 Glenwood Street ▪ Garden City, ID 83714 ▪ 208.472.2921  
▪ [www.gardencityidaho.org](http://www.gardencityidaho.org) ▪ [building@gardencityidaho.org](mailto:building@gardencityidaho.org)

APPLICANT	PROPERTY OWNER
Name: Gary Abrahams for Crown Castle USA Inc. on behalf of Dish Wireless, L.L.C.	Name: DBII LLC
Company: GMA Network Services, LLC	Company:
Address: 590 1st Ave. South, #705	Address: 8247 W. State St.
City: Seattle	City: Garden City
State: WA	State: ID
Zip: 9810	Zip: 83724
Tel.: 206-349-4279	Tel.:
E-mail: gary@gmanetworkservices.com	E-mail:

### PROPERTY AND DESIGN INFORMATION: [VISIT ADA COUNTY ASSESSOR'S SITE](#)

Site Address: 8247 W. State Street, Garden City, ID 83714

Subdivision Name: AZALEA	Lot: 11	Block: 2
Tax Parcel Number: R0719420250	Zoning: C-2	Total Acres: .567
Proposed Use: EFR 6409a for Dish Wireless, L.L.C. collocation	Floodplain: YES	NO <input checked="" type="checkbox"/>

Describe the proposed use: EFR 6409a application for Dish Wireless, L.L.C.'s collocation at this existing wireless communication facility. DISH proposes to add its antennas and associated equipment to the existing monopole, and add associated equipment at the base of the monopole including one (1) equipment cabinet.

Will you be making changes to the structure(s)? YES  NO

If no, will you be changing the occupancies as defined by the [IBC](#)? YES  NO

Check any that are applicable to this application:  <i>*If any of the first three boxes are checked, a <a href="#">Design Review Application</a> is required*</i>	<input type="checkbox"/>	I will build a new structure No
	<input type="checkbox"/>	I will add 25% or more to the floor area of an existing building - No
	<input type="checkbox"/>	I will alter, replace rehabilitate or restore 25% or more of a store façade - No

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**How is the use appropriate to the location, the lot, and the neighborhood, and is compatible with the uses permitted in the applicable zoning district?**

See attached response

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**Is the use supported by adequate public facilities or services such as water/sewer, schools, roads, parks, transit, fire protection and police protection?**

See attached response

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**How does the use affect the health, safety or welfare of the community?**

See attached response

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**How does the use support the goals of the Comprehensive Plan?**

See attached response

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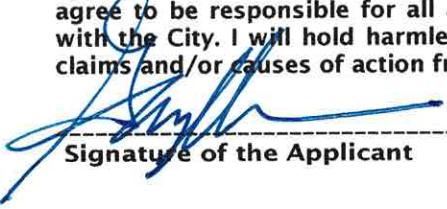
**How far is the proposed use from a pedestrian/bicycle pathway?**

See attached response

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I consent to this application and hereby certify that information contained on this application and in the accompanying materials is correct to the best of my knowledge. I agree to be responsible for all application materials, fees and application correspondence with the City. I will hold harmless and indemnify the City of Garden City from any and all claims and/or causes of action from or an outcome of the issuance of a permit from the City.

See attached

Signature of the Applicant

(date)

Signature of the Owner

(date)

## APPLICATION INFORMATION REQUIRED

**NOTE: AN ELECTRONIC COPY OF THE ENTIRE APPLICATION SUBMITTAL REQUIRED  
INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED UNDER ANY CIRCUMSTANCES**

**ONE (1) HARD COPY OF EACH CHECKLIST ITEM REQUIRED:**

- Compliance Statement and Statement of Intent
- Neighborhood Map
- Fire Flow / Ability to Serve
- 11"x17" Site Plan
- Irrigation/Ditch Company Authorization Letter
- Landscape Plan
- Photos of Site
- Neighborhood Meeting Verification
- Affidavit of Legal Interest
- Waiver Request of Application Materials
- Structural Documentation

(if previous Certificate of Occupancy has been issued and no change to IBC occupancy is anticipated)

*\*Additional information may be required by staff such as a traffic/parking analysis, a use analysis or documents related specifically to a business.*



## **PLEASE CHECK THE FOLLOWING:**

### INFORMATION REQUIRED ON COMPLIANCE STATEMENT AND STATEMENT OF INTENT:

- Statement explaining how the proposed use(s) is compliant with the standards of review for the proposed application. Cite the ordinances the proposed use(s) is compliant with
- Should include purpose, scope, and intent of project
- Information concerning noxious uses, noise, vibration, and any other aspects of the use or structure that may impact adjacent properties or the surrounding community

### INFORMATION REQUIRED ON NEIGHBORHOOD MAP:

- 8 1/2" x 11" size minimum
- Location of contiguous lots and lot(s) immediately across from any public or private street, building envelopes and/or existing buildings and structures at a scale not less than one inch equals one hundred feet (1" = 100')
- Impact of the proposed siting on existing buildings, structures, and/or building envelopes

### INFORMATION REQUIRED ON SITE PLAN:

- Scale not less than 1" = 20', legend, and north arrow.
- Property boundary, dimensions, setbacks and parcel size.
- Location of the proposed building, improvement, sign, fence or other structure, and the relationship to the platted building envelope and/or building zone
- Building envelope dimensions with the center of the envelope location established in relation to the property lines
- Adjacent public and private street right of way lines
- Total square footage of all proposed structures calculated for each floor. If the application is for an addition or alteration to an existing building or structure, then the new or altered portions shall be clearly indicated on the plans and the square footage of new or altered portion and the existing building shall be included in the calculations

- For uses classified as drive-through, the site plan shall demonstrate safe pedestrian and vehicular access and circulation on the site and between adjacent properties as required in Section 8-2C-13 of Title 8.

**INFORMATION REQUIRED FOR IRRIGATION/DITCH AUTHORIZATION LETTER:**

- Required if irrigation canal/irrigation ditch runs through property or along property lines

**INFORMATION FOR NEIGHBORHOOD MEETING VERIFICATION:**

- Copy of notice sent to property owners within 300' of an applicable property
- List of notice recipients with names and addresses
- Sign-up sheet from meeting

**INFORMATION REQUIRED FOR WAIVER REQUEST OF APPLICATION MATERIALS:**

- Statement must include a list of the application materials to be waived and an explanation for the request

**STRUCTURAL DOCUMENTATION (IF NO CHANGE TO STRUCTURE OR IBC OCCUPANCY):**

- Industrial treatment compliance: a statement answering the following questions:**
  - Do you or will you discharge wastewater other than domestic water from bathrooms to the City Sewer System? If yes, please describe.
  - Are floor drains present in your facility? If yes, are any chemicals stored on site in containers exceeding 1 gallon?
  - Do you or will you use fats, oils or greases in your business? If yes, do you have a grease trap/interceptor present
- One set of detailed current floor plans legibly drawn on minimum 8 1/2 X 11 plan sheet drawn to ¼"= 1' scale (with scale noted on plans) identifying:**
  - Use and square footage per room (i.e. office, storage, restroom, etc.)
  - Primary Occupancy Classification (2018 IBC sec 303-312)
  - Occupancy Load (2018 IBC Sec 1004, table 1004.5)
  - Interior and exterior wall and opening dimensions, windows, doors, roll-up doors
  - Electrical panels interior and exterior
  - Gas meter location
  - Fire extinguisher locations and size
  - Emergency lighting locations
  - Illuminated exit sign locations
  - Fire sprinkler riser location
  - Fire alarm panel location
  - Commercial cooking operation location, including size and type of hoods and grease traps
  - Spray finishing operation location
  - Flammable or combustible product locations
  - Welding operation locations
  - Rack storage locations

*Disclaimer Clause: X Denotes application information that may be waived depending on the nature of the request" found under table 8-6a-2 "required application information."*

## RESPONSE TO CUP QUESTIONS

**HOW IS THE USE APPROPRIATE TO THE LOCATION, THE LOT, AND THE NEIGHBORHOOD, AND IS COMPATIBLE WITH THE USES PERMITTED IN THE APPLICABLE ZONING DISTRICT?**

**Applicant Response:**

*The proposed application is for DISH'S installation at an existing wireless communication facility which includes installation of ground-based equipment, including one (1) equipment cabinet, and collocating antennas and associated equipment on an existing Base Station (tower).*

**IS THE USE SUPPORTED BY ADEQUATE PUBLIC FACILITIES OR SERVICES SUCH AS WATER/SEWER, SCHOOLS, ROADS, PARKS, TRANSIT, FIRE PROTECTION AND POLICE PROTECTION?**

**Applicant Response:**

*The subject site is an existing wireless communication facility, and it is served by existing utilities.*

**HOW DOES THE USE AFFECT THE HEALTH, SAFETY OR WELFARE OF THE COMMUNITY?**

**Applicant Response:**

*DISH'S collocation on an existing wireless communication facility will not have any impact on the surrounding community.*

**HOW DOES THE USE SUPPORT THE GOALS OF THE COMPREHENSIVE PLAN?**

**Applicant Response:**

*The proposed project is for the collocation on an existing wireless communication facility and limits the need for a new tower in Garden City.*

**HOW FAR IS THE PROPOSED USE FROM A PEDESTRIAN/BICYCLE PATHWAY?**

**Applicant Response:**

*The proposed use is a collocation at an existing wireless communication facility, and the proximity to pedestrian or bicycle pathways is not applicable.*

## AUTHORIZATION TO SUBMIT FOR PERMITS



Crown Castle  
1505 Westlake Avenue North  
Suite 800  
Seattle, WA 98109

March 1, 2023

Re: Crown Castle – PNW  
Subject: Gary Abrahams – Authorized Consultant for Crown Castle

Dear Reviewing Parties:

This letter serves to notify you that Crown Castle has retained the services of Gary Abrahams as approved agent to submit application for and obtain local jurisdiction approvals including but not limited to zoning and building permits. This includes applicable permitting for any and all customers seeking to install or modify their equipment on Crown Castle towers.

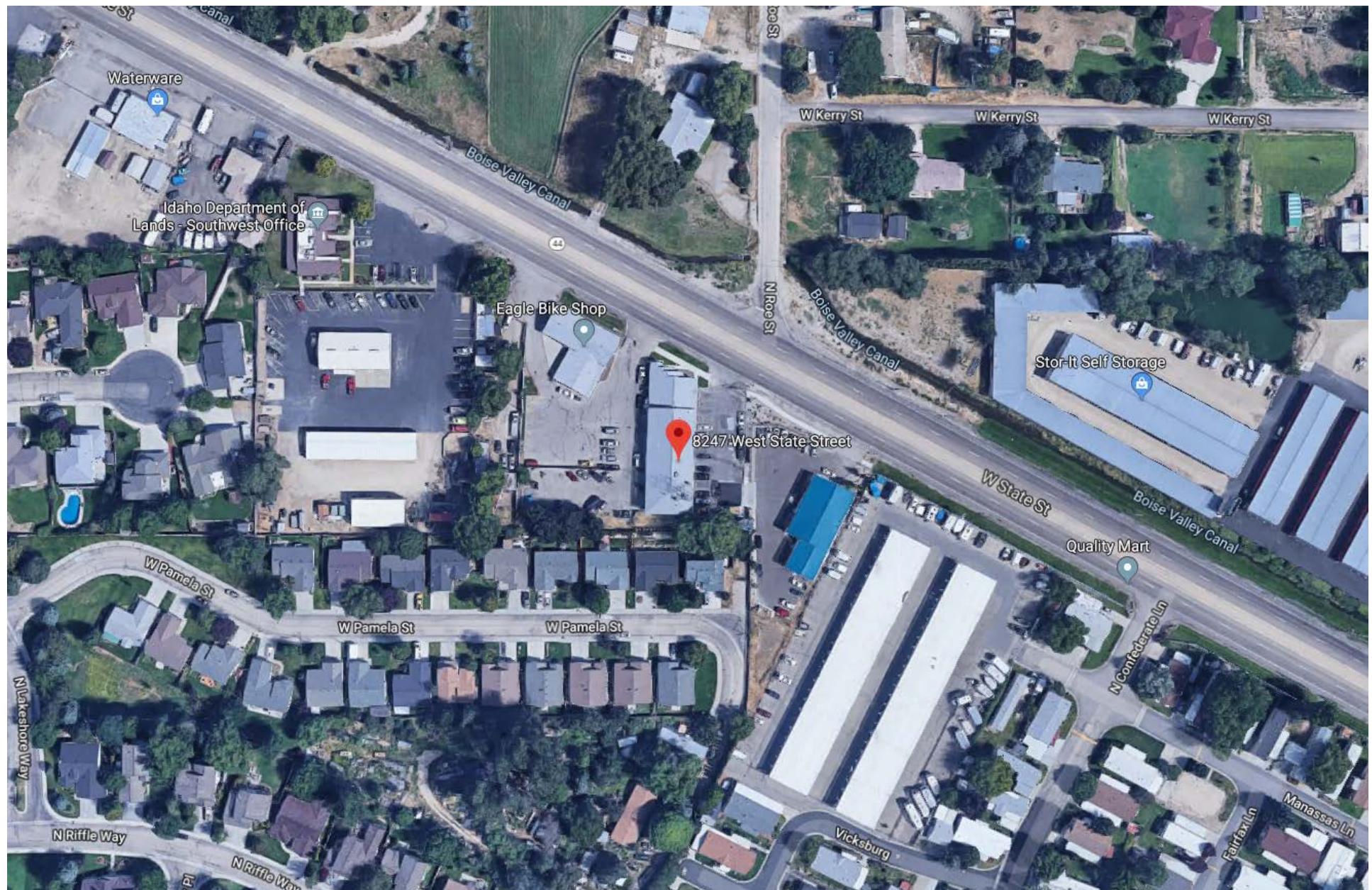
Please feel free to contact me directly with any questions. Thank you for your expeditious processing of applications filed by Mr. Abrahams.

Sincerely,

*Kate Hanstrom*

Kate Hanstrom  
Site Acquisition Specialist  
[Kate.Hanstrom@crowncastle.com](mailto:Kate.Hanstrom@crowncastle.com)  
(309) 269-7254

## NEIGHBORHOOD MAP





Phone:  
www.crowncastle.com

May 13, 2025

CITY OF GARDEN CITY, ID

Planning & Zoning  
6015 GLENWOOD STREET  
GARDEN CITY, ID 83714-1347

RE: Request for Minor Modification to Existing Wireless Facility – EFR -Section 6409

Site Address: 8247 W State Street, Garden City, ID 83714

Assessors Tax Parcel ID number: R0719420250

Crown Site Number: 824322 / Crown Site Name: GrdnCity\_Roe

Customer Site Number: SLBO100019B / Application Number: 655968

**Affidavit of Legal Interest**

Dear City of Garden City,

The City of Garden City is requiring an Affidavit of Legal Interest for the Conditional Use Permit and Design Review permit applications for the proposed modifications at 8247 W. State Street, Garden City, ID (the “**Subject Property**”).

Attached hereto is the Affidavit of Legal Interest signed by Global Signal Acquisitions IV LLC appointing GMA Network Services as authorized representative to submit for permits (see **page 3** of this document).

The prior owner, Blynn Properties LLC (“**Blynn**”) signed a Wireless Communication Easement and Assignment Agreement dated August 18, 2010, with Unison, for a Communication Easement, which includes the Existing Agreements (as defined therein), for the property at 8247 W. State Street, Garden City, ID.

Blynn signed that First Amendment to Wireless Communication Easement and Assignment Agreement with Ulysses (as defined therein), which is successor-in-interest to Unison, dated March 16, 2016 (“**First Amendment**”) that appointed Ulysses as its Attorney-in-Fact, and which was executed by Robert Milter of Blynn. The First Amendment, Section 5, stipulates as follows:

**Attorney-in-fact.** *Site Owner hereby confirms, ratifies, acknowledges and affirms that pursuant to the Agreement, it irrevocably appointed Ulysses as its true and lawful attorney-in-fact, with full power of substitution and re-substitution, to apply for and obtain any and all licenses, permits, consents or approvals which may be required in connection with the use of the Easements by Ulysses and as necessary to comply with applicable laws, statutes or regulations as set forth in Section 5 of the Agreement.*

Further, under the Assignment and Assumption of Easement Agreement dated October 3, 2019 (“**Easement**”), Ulysses assigned its respective interest in the Communication Easement, which affects that property previously owned by Blynn and now owned by DBII LLC via that vesting deed in 2020, to Global Signal Acquisitions IV LLC (“**Global**”). The Easement transferred the rights to act as Attorney-in-Fact per Section 5 of the First Amendment to Global.

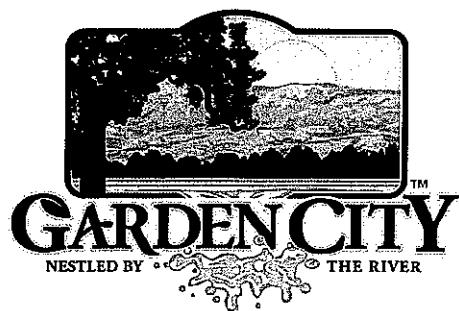


Phone:  
[www.crowncastle.com](http://www.crowncastle.com)

Based upon this documentation, Global has the authority to sign a letter of authorization, or Affidavit of Legal Interest, as the case may be, to submit for any required permits pertaining to the Subject Property.

Let me know if you have any questions.

Thanks,  
Gary Abrahams  
GMA Network Services, LLC  
Agent for Crown Castle USA Inc.



6015 Glenwood Street • Garden City, Idaho 83714  
Phone 208 - 472-2921 • Fax 208 - 472-2926 •  
[www.gardencityidaho.org](http://www.gardencityidaho.org)

## Affidavit of Legal Interest

TY  
State of Idaho )  
Harris ) SS  
County of Ada )

I, Mandy Hebert, 8020 Hwy Freeway  
Name Address  
Hasten TX 77024  
City State and Zip

Being first duly sworn upon oath, depose and say:

1. That I am the record owner of the property described on the attached, and I grant my permission

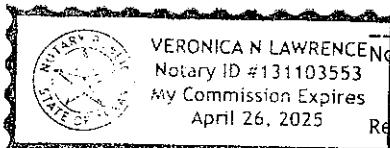
to GMA Network Services, 590-1st Ave S #705, Seattle, WA 98104  
Name Address  
to submit the accompanying application pertaining to that property.

2. I agree to indemnify, defend and hold the City of Garden City and its employees harmless from any claim or liability resulting from any dispute as to the statements contained herein or as to the ownership of the property which is the subject of the application.
3. I hereby grant permission to City of Garden City staff to enter the subject property for the purpose of site inspections related to processing said applications.

Dated this 12/19/24 19<sup>th</sup> day of December, 2024

Mandy Hebert  
Signature

Subscribed and sworn to before me the day and year first above written



Residing at: Hasten, TX

My Commission expires 131103553 | 4/26/25

**ASSIGNMENT AND ASSUMPTION OF EASEMENT AGREEMENT**  
**DATED OCTOBER 3, 2019**

**Prepared by:**

Robert W. Mouton, Esq.  
Locke Lord LLP  
601 Poydras Street, Suite 2660  
New Orleans, LA 70130

**Return to:**

Tara Groda  
Crown Castle Post-Closing Department  
1220 Augusta Drive, Suite 600, Houston, TX 77057

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**ASSIGNMENT AND ASSUMPTION OF EASEMENT AGREEMENT**

This Assignment and Assumption of Easement Agreement (this "**Assignment**") is made and entered into as of the 3 day of October, 2019, but effective as of the 31st day of October, 2019 (the "**Effective Date**") by and between **Ulysses Asset Sub II, LLC**, a Delaware limited liability company, f/k/a **T6 Unison Site Management LLC**, a Delaware limited liability company (the "**Assignor**"), and **Global Signal Acquisitions IV LLC**, a Delaware limited liability company (the "**Assignee**"). Assignor and Assignee are sometimes referred to herein individually as a "**Party**" and collectively referred to herein as the "**Parties**".

WHEREAS, Assignor and Assignee are parties to that certain Site Exchange Agreement dated November 7, 2016, as amended by that certain Amended and Restated Site Exchange Agreement dated as of March 6, 2017 (as the same may have been further amended from time to time, collectively, the "**Exchange Agreement**"), pursuant to, and upon the terms of which, Assignor and Assignee have agreed to assign, transfer and convey all of their respective right, title and interest in and to certain assets, including, without limitation, real property interests, to each other, and to transfer certain obligations related thereto, all as more particularly described in the Exchange Agreement; and

WHEREAS, Assignor is the grantee pursuant to that certain easement agreement described on **Exhibit A** attached hereto and by this reference incorporated herein (as the same may have been

amended, modified or assigned from time to time, collectively, the "**Easement Agreement**", and together with any hereinbelow described Net Profits Agreement, Letter Agreement and Ground Lease, as applicable, the "**Easement Documents**"), pursuant to which the grantor specified in **Exhibit A** (hereinafter, the "**Grantor**") granted and conveyed to Assignor an easement in, to, under and over a certain portion of real property owned by the Grantor (the real property owned by the Grantor, hereinafter, the "**Property**", which Property is more particularly described in **Exhibit A-1** attached hereto and by this reference incorporated herein; and such portion of the Property subject to the Easement Agreement, hereinafter, the "**Easement Area**", which Easement Area is more particularly described in **Exhibit B** attached hereto and by this reference incorporated herein); and

WHEREAS, Assignor is also the current landlord under that certain lease agreement described on **Exhibit C** attached hereto and by this reference incorporated herein (as the same may have been amended, modified or assigned from time to time, collectively, the "**Ground Lease**"), and which Ground Lease demises a portion of the Property; and

WHEREAS, Assignor is also party to that certain Net Profits Agreement dated August 19, 2010 by and between Assignor and the Grantor (as the same may have been amended, modified or assigned from time to time, collectively the "**Net Profits Agreement**");

WHEREAS, the Parties hereby desire to effect such assignments, transfers and assumptions;

NOW, THEREFORE, in consideration of the representations, warranties, covenants and agreements contained in the Exchange Agreement, the Parties hereto hereby agree as follows:

1. **Capitalized Terms.** Capitalized terms used but not defined herein shall have the meaning given to such terms in the Exchange Agreement.
2. **Assignment and Transfer of Easement Documents.** As of the Effective Date, Assignor hereby assigns and transfers unto Assignee, and Assignee hereby accepts from the Assignor, all of the right, title and interest of Assignor in, to and under the Easement Documents, upon the terms and subject to the conditions of the Exchange Agreement and the Easement Documents, respectively. Notwithstanding anything in this Assignment to the contrary, but without limiting any of the Parties' duties and obligations arising under this Assignment, this Assignment shall not constitute an assignment or transfer hereby of any right, title and interest of Assignor in, to and under an Easement Document if an attempted assignment or transfer, without the authorization of a third party thereto, would constitute a breach or violation of such Easement Document, or in any way adversely affect the rights of Assignee thereunder, but only to the extent such authorization has not been obtained. If any authorization described in the preceding sentence is not obtained, or if any attempt at an assignment, transfer or other conveyance thereof would be ineffective or would affect the rights of the Assignor thereunder so that, after the applicable Closing Date, the Assignee would not in fact receive all such rights or obtain the benefits and rights contemplated by this Assignment and the Exchange Agreement, then the

Assignee may elect to pursue certain options, as more particularly described in Section 2(c) of the Exchange Agreement.

3. **Assumption of Easement Documents.** As of the Effective Date, Assignor hereby assigns and transfers to Assignee, and Assignee assumes and agrees to keep, observe and perform all of the terms, covenants, agreements, conditions and obligations (other than Pre-Closing Liabilities), pursuant to the Easement Documents. The Assignee assumes and agrees to keep, observe and perform those terms, covenants, agreements, conditions and obligations (other than Pre-Closing Liabilities), with the same force and effect as if the Assignee instead of Assignor (or any predecessor of the Assignor) had originally signed the Easement Documents.
4. **Terms of Exchange Agreement Control.** The provisions of this Assignment are subject, in all respects, to the terms and conditions of the Exchange Agreement, including, without limitation, all of the covenants, agreements, representations, and warranties contained therein, which shall survive the execution and delivery of this Assignment to the extent provided in the Exchange Agreement. Neither the making nor the acceptance of this Assignment shall in any way supersede, modify, replace, amend, change, rescind, waive, exceed, expand, enlarge, or in any way affect the terms and conditions of the Exchange Agreement. In the event of any conflict or inconsistency between the terms and conditions of this Assignment and the terms and conditions of the Exchange Agreement, the terms and conditions of the Exchange Agreement shall control.
5. **Amendments.** This Assignment may not be amended, modified or terminated except by an instrument in writing executed by the parties to this Assignment.
6. **Interpretation and Construction.** This Assignment shall be subject to the provisions set forth in Sections 30(g) and 30(h) of the Exchange Agreement, except to the extent that any contrary or different terms are set forth herein.
7. **Successors and Assigns.** This Assignment shall inure to the benefit of and be binding upon Assignor, Assignee, and their respective successors and assigns. Except as permitted under Section 30(d) of the Exchange Agreement, no Party may transfer or assign this Assignment or any of its rights hereunder, without the prior written consent of the other Party. Notwithstanding the foregoing, a Party may assign this Assignment to an Affiliate or to a party acquiring such Party or all or substantially all of the assets of such Party, provided, however, that the terms of any such acquisition may not impair, in any substantive way, either Party's ability to perform this Assignment.

8. **Notice.** All notices must be in writing and shall be valid upon receipt when delivered by hand, by nationally recognized courier service, or by First Class United States Mail, certified, return receipt requested to the addresses set forth below:

<u>To Assignor:</u>	American Towers LLC Attn: Landlord Relations 10 Presidential Way Woburn, MA 01801	<u>To Assignee:</u>	Crown Castle USA Inc c/o Crown Castle International Corp. Attn: Senior Vice President, Corporate Development 1220 Augusta Drive, Suite 600 Houston, TX 77057
<u>With copy to:</u>	American Towers LLC Attn: General Counsel 116 Huntington Avenue 11th Floor Boston, MA 02116	<u>With copy to:</u>	Crown Castle USA Inc c/o Crown Castle International Corp. Attn: Senior Vice President and General Counsel 1220 Augusta Drive, Suite 600 Houston, TX 77057

American Towers LLC  
Attn: Shawn Lanier, VP Legal  
10 Presidential Way  
Woburn, MA 01801

Either Party, by written notice to the other in the manner provided herein, may designate one or more different notice addresses from those set forth above. Refusal to accept delivery of any notice or the inability to deliver any notice because of a changed address for which no notice was given as required herein, shall be deemed to be receipt of any such notice.

9. **Governing Law.** Notwithstanding anything to the contrary contained in this Assignment, this Assignment shall be governed and construed in all respects in accordance with the laws of the State of New York (except to the extent the laws of the State or Commonwealth in which the Property is situated are mandatorily applicable, in which case the laws of such State or Commonwealth shall govern to the extent required), without regard to the conflicts of laws provisions of New York, or, as applicable, such State or Commonwealth. Any dispute directly related to the breach of this Assignment shall be resolved in accordance with Section 30(e) of the Exchange Agreement.
10. **Counterpart Signatures.** This Assignment may be executed in several counterparts, each of which when so executed and delivered shall be deemed an original, and all of which, when taken together, shall constitute one and the same instrument, binding on all of the Parties, even

though all Parties are not signatories to the original or the same counterpart. Furthermore, the Parties may execute and deliver this Assignment by electronic means such as .pdf or similar format. Each of the Parties agrees that the delivery of the Assignment by electronic means will have the same force and effect as delivery of original signatures and that each of the Parties may use such electronic signatures as evidence of the execution and delivery of the Assignment by all Parties to the same extent as an original signature.

**11. No Merger.** It is the intent of the Assignee that the landlord interest in the Ground Lease shall not merge with the tenant interest in the Ground Lease, notwithstanding that both leasehold interests may be held at any time by the same party.

*END OF DOCUMENT – SIGNATURE PAGES TO FOLLOW*

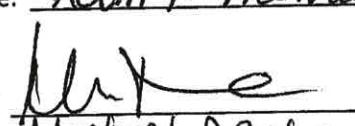
IN WITNESS WHEREOF, each Party has caused this Assignment to be executed by their respective duly authorized officers to be duly effective as of the Effective Date written above.

**ASSIGNOR:**

Ulysses Asset Sub II, LLC  
a Delaware limited liability company

Signature:   
Print Name: Shawn Lanier  
Title: Vice President, US Legal

**WITNESSES:**

Signature:   
Print Name: Kevin P. McMahon  
Signature:   
Print Name: Michael DiPietro

**WITNESS AND ACKNOWLEDGEMENT**

**COMMONWEALTH OF MASSACHUSETTS**

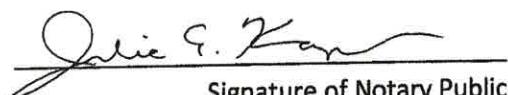
**COUNTY OF MIDDLESEX**

On this 29<sup>th</sup> day of October, 2019, before me, Julie E. Kaplan the undersigned Notary Public, personally appeared Shawn Lanier, Vice President – US Legal, proved to me through satisfactory evidence of identity, which was/were personally known, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she/they signed it voluntarily for its stated purpose(.)

X as Vice-President, US Legal for Ulysses Asset Sub II, LLC, a Delaware limited liability company



JULIE E. KAPLAN  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
June 12, 2020

  
Signature of Notary Public

Printed name of Notary

Place Notary Seal and/or Stamp Above

My Commission Expires \_\_\_\_\_

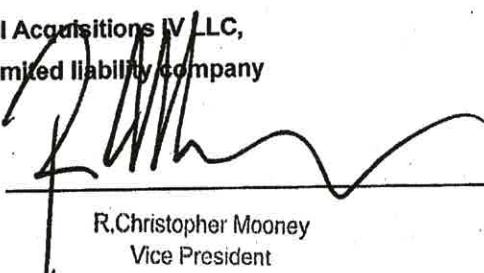
**SIGNATURES CONTINUE ON NEXT PAGE**



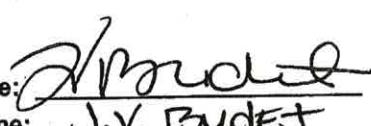
JULIE E. KAPLAN  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
June 12, 2020

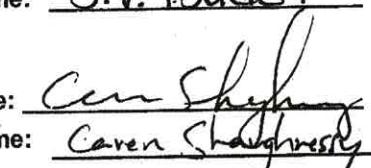
ASSIGNEE:

Global Signal Acquisitions IV LLC,  
a Delaware limited liability company

Signature:   
Print Name: R. Christopher Mooney  
Title: Vice President

WITNESSES:

Signature:   
Print Name: J.V. Budget

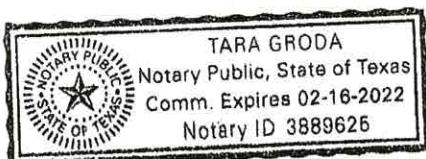
Signature:   
Print Name: Caren Shaughnessy

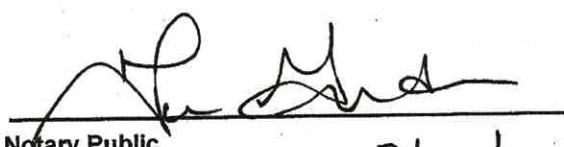
WITNESS AND ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY OF HARRIS

This instrument was acknowledged before me on October 3 2019, by R. Christopher Mooney,  
the VP of Global Signal Acquisitions IV LLC, a Delaware  
limited liability company, on behalf of said company.



  
Notary Public  
My commission expires: 2/14/2022

SEAL

Attachments:

- Exhibit A: Easement Agreement
- Exhibit A-1: Property
- Exhibit B: Easement Area
- Exhibit C: Ground Lease

EXHIBIT A

**EASEMENT AGREEMENT**

That certain Wireless Communication Easement and Assignment Agreement dated as of August 18, 2010, by and between Blynn Properties, L.L.C. a/k/a LLC ("Site Owner") and Treasure Valley Collision Center L.L.C. ("Joiner Party") ("Grantor"), as original easement grantor, and T6 Unison Site Management LLC, a Delaware limited liability company ("T6"), as original easement grantee, recorded on September 16, 2010, with the records of Ada County, Idaho, as Document No. 110086348, as amended by that certain First Amendment to Wireless Communication Easement and Assignment dated as of March 16, 2016, by and between the aforesaid Grantor and Ulysses Asset Sub II, LLC, a Delaware limited liability company, as grantee, and recorded on April 19, 2016, with the records of Ada County, Idaho, as Document No. 2016-032648.

EXHIBIT A-1

**LEGAL DESCRIPTION OF PROPERTY**

The following described premises, to-wit:

Lot 11 in Block 2 of Azalea Subdivision, according to the official plat thereof filed in Book 71 of Plats at Pages 7243 and 7244, records of Ada County, Idaho and amended by warranty deed recorded December 27, 1996 under Instrument No. 96106001.

AND BEING the same property conveyed to Treasure Valley Collision Center L.L.C., an Idaho limited liability company from Steven G. Gregory, a married man as his sole and separate property by Warranty Deed dated October 03, 2005 and recorded October 04, 2005 in Instrument No. 105148172; AND FURTHER CONVEYED to Blynn Properties, L.L.C., a limited liability company from Treasure Valley Collision Center, L.L.C. by Quitclaim Deed dated July 28, 2008 and recorded July 30, 2008 in Instrument No. 108086742.

Tax Parcel No. R0719420250

EXHIBIT B

LEGAL DESCRIPTION OF EASEMENT AREA

Communication Easement

That portion of the Property on which any Facilities exist on the date of this Agreement together with the portion of the Property leased by Site Owner under the Existing Agreements, and the portion of the Property described as follows:

COMMENCING AT THE NORTHEASTERLY CORNER OF THE PROPERTY AT THE SOUTHERLY LINE OF W. STATE STREET; THENCE SOUTH, ALONG THE EAST LINE OF SAID PROPERTY, 155.00 FEET TO T A POINT; THENCE WEST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 10.00 FEET TO THE SOUTHEASTERLY CORNER OF THE HEREIN DESCRIBED COMMUNICATION EASEMENT AND POINT OF BEGINNING; THENCE CONTINUE WEST, 60.00 FEET; THENCE NORTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 60.00 FEET; THENCE EAST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 60.00 FEET; THENCE SOUTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 20.00 FEET TO THE POINT OF BEGINNING; AND

AN ADDITIONAL 20.00 FEET BY 20.00 FEET ADJOINING THE WESTERLY LINE OF THE ABOVE DESCRIBED PREMISES.

Commencing at the southeast corner of said Lot 11; Thence along the south line of said Lot, N89°02'23"W, 11.14 feet; Thence N00°57'37"E, 7.10 feet; Thence N85°45'42"W, 27.30 feet; Thence N04°14'18"E, 11.80 feet; Thence N00°00'00"E, 4.56 feet (L8) to the Point of Beginning; Thence continuing N00°00'00"E, 5.85 feet (L9); Thence S88°51'23"E, 26.00 feet; Thence S01°08'37"W, 5.77 feet (L10); Thence N89°02'23"W, 25.88 to the Point of Beginning.

ACCESS AND UTILITY EASEMENTS

That portion of the Property on which any Facilities exist on the date of this Agreement or provided by Site Owner under the Existing Agreements for access and utility providers, including the following:

All rights of ingress and egress across the Property, more fully described on Exhibit "A" hereof, to and from the Communication Easement described in Exhibit B-1 hereof, providing access to a publicly dedicated roadway, including but not limited to W. State Street (hereinafter the "Access Easement"), along with the right to use said Access Easement for the development, repair, maintenance and removal of utilities providing service to the Communication Easement and the Facilities, as defined herein, and any related activities and uses.

**EXHIBIT C**

**GROUND LEASE**

1. That certain Site Lease with Option by and between Steven G. Gregory, as landlord, and VoiceStream PCS II Corporation, a Delaware corporation, as tenant, dated November 19, 2003, a memorandum of which was recorded on July 22, 2005 with the records of Ada County, Idaho as Document No. 105099836, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by that certain Assignment of Lease dated October 3, 2005 and recorded on October 5, 2005, with the records of Ada County, Idaho, as Document No. 105148893, as affected by that certain Master Prepaid Lease and Management Agreement dated November 30, 2012, in favor of CCTMO LLC, a memorandum of which was recorded on June 21, 2016, with the records of Ada County, Idaho, as Document No. 2016-054363.
  
2. That certain unrecorded Communication Site Lease Agreement (Ground Space) by and between Steven G. Gregory, an unmarried person, as landlord, and Clearwire LLC, a Nevada limited liability company, as tenant, dated as of September 15, 2005, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by that certain Assignment of Lease recorded on October 5, 2005, with the records of Ada County, Idaho, as Document No. 105148893.

**FIRST AMENDMENT TO WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT**  
**DATED MARCH 16, 2016**

**Prepared by and Return to:**

Ulysses Asset Sub II, LLC  
c/o American Tower Corporation  
Attn: Land Management/Michael Abodeely, Esq.  
10 Presidential Way  
Woburn, MA 01801  
Site No: 276123 / ID-9501  
Site Name: Blynn Properties G ID  
Assessor's Parcel No(s): R0719420250

**Prior Recorded Easement Reference:**

Document No: 110086348  
State of Idaho  
County of Ada

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**First Amendment to  
Wireless Communication Easement and Assignment Agreement**

THIS FIRST AMENDMENT TO WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT (the "*First Amendment*") is made effective as of the latter signature date hereof (the "*Effective Date*") by and between Ulysses Asset Sub II, LLC, a Delaware limited liability company, formerly known as T6 Unison Site Management, LLC (having a mailing address of c/o American Tower Corporation, 10 Presidential Way, Woburn, MA 01801) ("*Ulysses*"), Blynn Properties, LLC, an Idaho limited liability company (having a mailing address of 8247 W. State Street, Garden City, Idaho 83714) ("*Site Owner*"), and Treasure Valley Collision Center, L.L.C., an Idaho limited liability company (having a mailing address of 8247 W. State Street, Garden City, Idaho 83714) ("*Joinder Party*"). Site Owner, Joinder Party and Ulysses being collectively referred to herein as the "*Parties*" and individually as a "*Party*".

WHEREAS, Site Owner is the fee simple owner of real property located in Ada County, State of Idaho, having an address of 8247 W. State Street, Garden City, Idaho 83714, and as more particularly described on Exhibit A attached hereto (the "*Property*");

WHEREAS, Site Owner, Joinder Party and Ulysses entered into that certain Wireless Communication Easement and Assignment Agreement dated August 18, 2010 and recorded in Ada County, Idaho, Instrument No. 110086348 (the "*Agreement*"), whereby Site Owner and Joinder Party granted Ulysses and its Customers (as defined in the Agreement) certain Easements (as defined in the Agreement) over the Property (such Easements, collectively, the

“Site”) and assigned Site Owner’s and Joinder Party’s interests in certain Existing Agreements (as defined in the Agreement) to Ulysses; and

**WHEREAS**, Ulysses, Site Owner and Joinder Party desire to enter into this Amendment to expand the Communication Easement (as defined in the Agreement) granted to Ulysses and to secure the rights necessary for Ulysses and its Customers to operate the Site.

**NOW, THEREFORE**, in consideration of the foregoing recitals and the mutual covenants set forth herein and other good and valuable consideration, the receipt, adequacy, and sufficiency of which are hereby acknowledged, Site Owner, Joinder Party and Ulysses agree that the Agreement is hereby amended as follows:

1. **Recitals and Definitions**. Capitalized terms used and not otherwise defined herein shall have the same meaning as used in the Agreement. The recitals set forth above are hereby incorporated herein by this reference.

2. **Expansion of Communication Easement**.

- a. Site Owner and Ulysses desire to amend the Agreement in order to expand the Communication Easement granted to Ulysses. Site Owner and Ulysses agree and acknowledge that Exhibit B-1 to the Agreement is hereby deleted in its entirety as of the Effective Date of this Amendment and shall be replaced with Exhibit BB-1 attached hereto and incorporated herein by reference. In the event of inconsistency or discrepancy between Exhibit BB-1 attached hereto and Exhibit B-1 to the Agreement, Exhibit BB-1 shall control.
- b. Site Owner hereby grants to Ulysses and its Customers the right and privilege to enter upon the Property and/or Easements at any time to perform or cause to be performed test borings of the soil, environmental audits, sampling, tests, engineering studies and to conduct a survey of the Property and/or the Easements. Site Owner shall not unreasonably interfere with Ulysses’ and/or its Customers’ use of the Property in conducting these activities. Site Owner will provide Ulysses with any necessary keys or access codes to the Site if needed for ingress and egress.

3. **Rights**. Site Owner expressly confirms, ratifies, acknowledges and affirms the rights granted to Ulysses and its Customers pursuant to the Agreement to construct, maintain, repair, replace, improve, operate, and remove Facilities (as defined in the Agreement) and, notwithstanding any terms of the Agreement to the contrary, to conduct any related activities and uses to comply with the Existing Agreements, without notice to or consent of Site Owner.

4. **Additional Customers**. Site Owner and Ulysses agree to amend the right of first refusal granted by Site Owner to Ulysses. Therefore, Site Owner and Ulysses agree that the following sentence shall be included in Section 13 of the Agreement as the eighth (8<sup>th</sup>) sentence:

"Unison shall give Site Owner notice of its intent to acquire same within thirty (30) days of receipt of Site Owner's notice."

5. **Attorney-in-fact.** Site Owner hereby confirms, ratifies, acknowledges and affirms that pursuant to the Agreement, it irrevocably appointed Ulysses as its true and lawful attorney-in-fact, with full power of substitution and re-substitution, to apply for and obtain any and all licenses, permits, consents or approvals which may be required in connection with the use of the Easements by Ulysses and as necessary to comply with applicable laws, statutes or regulations as set forth in Section 5 of the Agreement.

6. **Site Owner Statements.** Site Owner hereby represents and warrants to Ulysses that: (i) to the extent applicable, Site Owner is duly organized, validly existing, and in good standing in the jurisdiction in which Site Owner was organized, formed, or incorporated, as applicable, and is otherwise in good standing and authorized to transact business in each other jurisdiction in which such qualifications are required; (ii) Site Owner has the full power and authority to enter into and perform its obligations under this Amendment, and, to the extent applicable, the person(s) executing this Amendment on behalf of Site Owner, have the authority to enter into and deliver this Amendment on behalf of Site Owner; (iii) no consent, authorization, order, or approval of, or filing or registration with, any governmental authority or other person or entity is required for the execution and delivery by Site Owner of this Amendment; (iv) Site Owner is the sole owner of the Property; and (v) there are no agreements, liens, encumbrances, claims, claims of lien, proceedings, or other matters (whether filed or recorded in the applicable public records or not) relating to, encumbering, asserted against, threatened against, and/or pending with respect to the Easements or any other portion of the Property which do or could (now or any time in the future) adversely impact, limit, and/or impair Ulysses' rights under the Agreement, as amended and modified by this Amendment. Site Owner hereby does and agrees to indemnify Ulysses for any damages, losses, costs, fees, expenses, or charges of any kind sustained or incurred by Ulysses as a result of the breach of the representations and warranties made herein or if any of the representations and warranties made herein prove to be untrue. The representations and warranties of Site Owner made in this Section shall survive the execution and delivery of this Amendment.

7. **Notice.** Notwithstanding anything to the contrary contained in the Agreement, the address of Ulysses for all purposes as set forth in Section 17 of the Agreement shall be as set forth below:

Ulysses:	Ulysses Asset Sub II, LLC c/o American Tower Corporation 10 Presidential Way Woburn, MA 01801 Attn: Land Management
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With a copy to: American Towers LLC  
c/o American Tower Corporation  
116 Huntington Avenue  
Boston, MA 02116  
Attn: Legal Department

Site Owner: Blynn Properties, LLC  
8247 W. State Street  
Garden City, ID 83714

Either party may change its notice address by designating one or more different notice addresses from those set forth above, with such change being effective thirty (30) days after receipt of notice thereof. Refusal to accept delivery of any notice or the inability to deliver any notice because of a changed address for which no notice was given as required herein, shall be deemed to be receipt of any such notice.

8. **General Terms and Conditions.** (a) the Agreement, as amended by this Amendment, constitutes the entire agreement and understanding of Site Owner and Ulysses and supersedes all offers, negotiations and any other written or verbal agreements; (b) any amendments to this Amendment must be in writing and executed by both parties; (c) if any term of this Amendment is found to be void or invalid, or ineffective as to third parties such provision shall be fully severable herefrom and such invalidity shall not affect the remaining terms of the Agreement, which shall continue in full force and effect, and the Agreement shall be reformed and construed as if such invalid provision had never been contained herein, and if possible, such provisions shall be reformed to the maximum extent permitted under applicable law to render same valid, operative and enforceable to reflect the intent of the Parties as expressed herein; (d) upon the request of Ulysses, Site Owner shall execute such instruments or plats or surveys as deemed reasonably necessary to describe the Property and Building, or for recordation in the public records of the County in which the Property is located; (e) the paragraph headings of this Amendment have been inserted for convenience of reference only, and shall in no way modify or restrict the terms of the Amendment; and (f) Site Owner agrees to provide Ulysses with such certificates, permit applications, and other instruments and reasonable assurances as reasonably required to fulfill the intent of the terms hereof.

9. **Full Force and Effect; Entirety; Amendment; Successors.** Except as modified herein, the Agreement and all the easements, covenants, agreements, terms, provisions and conditions thereof remain in full force and effect and are hereby ratified and affirmed. This Amendment, together with the Agreement constitutes the entire agreement among the undersigned parties hereto. Any modification to this Amendment or the Agreement must be in writing and signed and delivered by authorized representatives of the affected parties in order to be effective. In the event of a conflict between the terms of this Amendment and the terms of the Agreement, this Amendment and the terms herein shall at all times supersede and control and any ambiguity between such conflicting terms shall be interpreted and resolved based on the terms of this Amendment. This Amendment and the Agreement shall be binding on and inure to the benefit of the parties hereto and their respective heirs, personal representatives, lessees,

successors and assigns. It is the intention of the Parties hereto that all of the various rights, obligations, restrictions and easements created herein shall run with the affected lands and shall inure to the benefit of and be binding upon all future owners and assignees of the affected lands and all persons claiming under them.

10. **Signature; Counterparts.** This Amendment may be executed in several counterparts, each of which when so executed and delivered, shall be deemed an original and all of which, when taken together, shall constitute one and the same instrument, even though the Parties are not signatories to the same counterpart. Furthermore, the Parties may execute and deliver this Amendment by electronic means such as .pdf or similar format. Each Party agrees that the delivery of this Amendment by electronic means will have the same force and effect as delivery of original signatures and that each of the Parties may use such electronic signatures as evidence of the execution and delivery of the Amendment by all Parties to the same extent as an original signature.

11. **Governing Law.** Notwithstanding anything to the contrary contained in the Agreement and in this Amendment, the Agreement and this Amendment shall be governed by and construed in all respects in accordance with the laws of the state or commonwealth in which the Property is situated, without regard to the conflicts of laws provisions of such state or commonwealth.

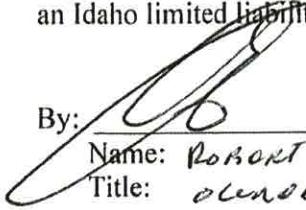
12. **Joinder Party.** And now to these presents, intervenes Joinder Party, who joins with the Site Owner in entering into this Amendment and does hereby agree to be bound by all of the covenants, agreements, terms, provisions and conditions hereof and joins Site Owner in granting the Communication Easement to Ulysses as set forth in Exhibit BB-1 attached hereto.

IN WITNESS WHEREOF, Site Owner, Joinder Party and Ulysses have each executed this Amendment as of the Effective Date.

[SIGNATURES TO FOLLOW ON NEXT PAGE]

**SITE OWNER:**

**Blynn Properties, LLC,**  
an Idaho limited liability company

By: 

Name: Robert Miller  
Title: General

Date: 3-1-16**WITNESS:**

Kenneth W Piercon  
Print Name:

Vince Pantalone  
Print Name:

STATE OF Idaho  
COUNTY OF Ada

I, a Notary Public of the County and State aforesaid, certify that Robert Miller, who is the general partner/manager/member of Blynn Properties, LLC, an Idaho limited liability company, came before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and official stamp or seal, this 1st day of March, 2016.

[Affix Notary Seal]



Briana Johnson  
Notary Public  
My commission expires:  
July 14, 2021

[SIGNATURES CONTINUE ON NEXT PAGE]

**JOINDER PARTY:**

Treasure Valley Collision Center, L.L.C.,  
an Idaho limited liability company

By:

Name: Robert Miller  
Title:

Date: 3-1-16**WITNESS:**

Kenneth W. Pierson

Print Name:

Vince Pantalone

Print Name:

STATE OF IdahoCOUNTY OF Ada

I, a Notary Public of the County and State aforesaid, certify that Robert Miller, who is the general partner/manager/member of Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, came before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and official stamp or seal, this 1st day of March, 2016.

[Affix Notary Seal]



Notary Public

My commission expires:

July 14, 2021

[SIGNATURES CONTINUE ON NEXT PAGE]

**ULYSSES:**

**Ulysses Asset Sub II, LLC, a Delaware limited liability company**

By: SS

Name:

Title: **Edward P. Maggio, Jr.**  
Senior Counsel, US Tower

Date: 3/16/11

**WITNESS:**

Alexander Sutin  
Print Name: *Alexander Sutin*

Rahim Akram  
Print Name: *Rahim Akram*

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF MIDDLESEX )  
 ) ss:  
 )

On this 16 day of March, 2016, before me, the undersigned Notary Public, personally appeared Edward P. Maggio, Jr., personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person or the entity upon which the person acted, executed the instrument.



Damon R. Nisula  
Notary Public

My Commission Expires: 12-17-2021

Exhibit A  
Legal Description of Property

The following described premises, to-wit:

Lot 11 in Block 2 of Azalea Subdivision, according to the official plat thereof filed in Book 71 of Plats at Pages 7243 and 7244, records of Ada County, Idaho and amended by warranty deed recorded December 27, 1996 under Instrument No. 96106001.

AND BEING the same property conveyed to Treasure Valley Collision Center L.L.C., an Idaho limited liability company from Steven G. Gregory, a married man as his sole and separate property by Warranty Deed dated October 03, 2005 and recorded October 04, 2005 in Instrument No. 105148172; AND FURTHER CONVEYED to Blynn Properties, L.L.C., a limited liability company from Treasure Valley Collision Center, L.L.C. by Quitclaim Deed dated July 28, 2008 and recorded July 30, 2008 in Instrument No. 108086742.

Tax Parcel No. R0719420250

**Exhibit BB-1**  
**Communication Easement**

That portion of the Property on which any Facilities exist on the date of this Agreement together with the portion of the Property leased by Site Owner under the Existing Agreements, and the portion of the Property described as follows:

COMMENCING AT THE NORTHEASTERLY CORNER OF THE PROPERTY AT THE SOUTHERLY LINE OF W. STATE STREET; THENCE SOUTH, ALONG THE EAST LINE OF SAID PROPERTY, 155.00 FEET TO T A POINT; THENCE WEST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 10.00 FEET TO THE SOUTHEASTERLY CORNER OF THE HEREIN DESCRIBED COMMUNICATION EASEMENT AND POINT OF BEGINNING; THENCE CONTINUE WEST, 60.00 FEET; THENCE NORTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 20.00 FEET; THENCE EAST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 60.00 FEET; THENCE SOUTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 20.00 FEET TO THE POINT OF BEGINNING; AND

AN ADDITIONAL 20.00 FEET BY 20.00 FEET ADJOINING THE WESTERLY LINE OF THE ABOVE DESCRIBED PREMISES.

Commencing at the southeast corner of said Lot 11; Thence along the south line of said Lot, N89°02'23"W, 11.14 feet; Thence N00°57'37"E, 7.10 feet; Thence N85°45'42"W, 27.30 feet; Thence N04°14'18"E, 11.80 feet; Thence N00°00'00"E, 4.56 feet (L8) to the Point of Beginning; Thence continuing N00°00'00"E, 5.85 feet (L9); Thence S88°51'23"E, 26.00 feet; Thence S01°08'37"W, 5.77 feet (L10); Thence N89°02'23"W, 25.88 to the Point of Beginning.

Site Owner herein agrees that this legal description may be substituted at a later date upon presentation of a survey of the property more clearly defining the location hereof.

**Agreed and Approved:**

**SITE OWNER:**

**Blynn Properties, LLC,**  
an Idaho limited liability company

Signature:

Print Name:

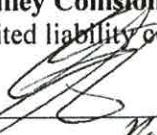
Its:

Date:

**Exhibit BB-1**  
**Communication Easement**  
**(Continued)**

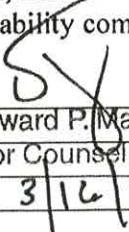
**JOINDER PARTY:**

**Treasure Valley Collision Center, L.L.C.,**  
an Idaho limited liability company

Signature:   
Print Name: Robert Miller  
Its: Owner  
Date: 3-1-16

**ULYSSES:**

**Ulysses Asset Sub II, LLC**  
a Delaware limited liability company

Signature:   
Print Name: Edward P. Maggio, Jr.  
Its: Senior Counsel, US Tower  
Date: 3/16/16

**WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT**  
**DATED AUGUST 18, 2010**

ADA COUNTY RECORDER J. DAVID NAVARRO  
BOISE IDAHO 09/16/10 09:42 AM  
DEPUTY Vicki Allen  
RECORDED - REQUEST OF  
Fidelity National Title

AMOUNT 58.00 17



110086348

12 PGS  
58

1070338

**Prepared by:**

**Victoria M. de Lisle**  
**Locke Lord Bissell & Liddell LLP**  
**601 Poydras Street, Suite 2660**  
**New Orleans, LA 70130**  
**File: #0590924/03685**

**Record and Return to:**

**Dione Carter**  
**Fidelity National Title Group**  
**7130 Glen Forest Drive, Suite 300**  
**Richmond, VA 23226**  
**Phone: 1.804.267.2049**  
**Fax: 1.804.267.2330**  
**File: #11896145**  
**Unison Site: #316984**

**WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT**

THIS WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT ("Agreement") is made as of the 18<sup>th</sup> day of August, 2010 ("Effective Date"), by and between Blynn Properties, L.L.C. a/k/a LLC, whose address is 8247 W. State Street, Garden City, Idaho 83714 ("Site Owner"), Treasure Valley Collision Center L.L.C. whose address is 8247 West State Street, Boise, Idaho 83714 ("Joinder Party"), and T6 Unison Site Management LLC, a Delaware limited liability company, whose address is P.O. Box 1951, Frederick, Maryland 21702-0951 ("Unison"). All references hereafter to "Unison", "Site Owner" and "Joinder Party" shall include their respective heirs, successors, personal representatives, lessees, licensees and assigns (Unison and Site Owner, collectively, "Parties").

**RECITALS**

WHEREAS, Site Owner is the owner of that certain property ("Property") located in the City of Garden City, and County of Ada in the State of Idaho, having a street address of 8247 W. State Street, Garden City, Idaho 83714, and which Property is more particularly described on Exhibit A attached hereto.

NOW, THEREFORE, for and in consideration of the sum of Ten and No/100 Dollars and other good and valuable consideration, the receipt and sufficiency of which Site Owner does hereby acknowledge and grant Unison full discharge and acquittance therefor, Site Owner and Unison agree to the following:

1. Grant of Easement.

(a) Site Owner grants, bargains, sells, transfers and conveys to Unison:

(i) an exclusive easement in, to, under and over the portion of the Property substantially as shown and/or described on Exhibit B-1 ("Communication Easement") for the transmission and reception of any and all wireless communication signals and the construction, maintenance, repair, replacement, improvement, operation and removal of towers, antennas, buildings, fences, gates, generators and related facilities

(collectively, "Facilities") and any related activities and uses including those necessary for Unison to comply with its obligations under the agreements listed on Exhibit C ("Existing Agreements") together with the right to enter the Property and access the Easements described below, without notice to Site Owner, twenty-four (24) hours a day, seven (7) days a week, as may be required in connection with the activities and uses described in this Agreement, and

(ii) a non-exclusive easement in, to, under and over portions of the Property substantially as shown and/or described on Exhibit B-2 ("Access and Utility Easements;" Communication Easement and Access and Utility Easements, collectively "Easements") for ingress and egress to and from the Communication Easement and a publicly dedicated roadway, and for the installation, repair, replacement, improvement, maintenance and removal of utilities providing service to the Communication Easement and the Facilities, and any related activities and uses.

(b) The Parties agree that the Communication Easement includes, without limitation, (i) the portion of the Property leased by Site Owner under the Existing Agreements, plus an additional 20.00 feet by 20.00 feet adjoining the westerly line of the area leased under the Existing Agreements and (ii) the portion of the Property upon which any Facilities are located on the Effective Date.

2. Assignment of Existing Agreements. Site Owner transfers and assigns to Unison, as of the Effective Date, all of its right, title and interest in, to and under the Existing Agreements, including without limitation, all rents, security deposits and other monies due the Site Owner specified therein. The Parties intend that this Agreement serve as an absolute assignment and transfer to Unison of all rents and other monies due the Site Owner pursuant to the Existing Agreements. Unison assumes the obligations and liabilities of Site Owner under the Existing Agreements only to the extent that such obligations and liabilities (i) are not the responsibility of the Site Owner pursuant to the terms of this Agreement; and (ii) accrue on or after the Effective Date.

3. Use of Easements. Consistent with the uses set forth in Section 1 above, Unison shall have the unrestricted right to lease, license, transfer or assign, in whole or in part, or permit the use of the Easements and/or its rights under this Agreement by any third parties including communication service providers or tower owners or operators, and any lessee or licensee under the Existing Agreements and the affiliates, agents, contractors, invitees and employees of Unison and/or Unison's present or future lessees or licensees (collectively, "Customers").

4. Term. This Agreement and the Easements shall be perpetual commencing on the Effective Date. Notwithstanding the foregoing, in the event Unison and Customers voluntarily cease to use the Easements (as defined in Section 1) for a period of more than five years (for reasons other than casualty, condemnation or Act of God), the Easements shall be deemed surrendered. Unison may surrender the Easements for any reason or at any time by giving thirty (30) days' notice to Site Owner. Upon surrender, this Agreement shall be terminated, and Unison and Site Owner shall execute and record such documents reasonably required to terminate the Easements. This Agreement may not be terminated by Site Owner.

5. Improvements: Utilities. Unison and its Customers, may, at their discretion and expense, construct such improvements in, to, under and over the Easements, consistent with the uses specified in Section 1, all of which shall be deemed part of the Facilities. The Facilities shall remain the property of Unison and its Customers, as applicable, and Site Owner shall possess no right, title or interest therein. In the event that utilities necessary to serve the Facilities cannot be installed within the Easements, Site Owner agrees to cooperate (at no cost to Site Owner) with Unison and to act reasonably and in good faith in granting Unison the right to locate such utilities on the Property without requiring the payment of additional fees. If necessary, Site Owner shall, upon Unison's request, execute and record a separate written easement with Unison or with the utility company providing the utility service to reflect such right. Site Owner hereby irrevocably constitutes and appoints Unison as its true and lawful attorney-in-fact, with full power of substitution and resubstitution, to apply for and obtain any and all licenses, permits, consents or approvals which may be required in connection with the use of the Easements by Unison and as necessary to comply with applicable laws, statutes or regulations.

6. Taxes. Site Owner acknowledges that a portion of the purchase price delivered by Unison to Site Owner is for and in consideration of the continuing obligation of Site Owner to pay, on or before the due date, all present and future real property taxes, transfer taxes, penalties, interest, roll-back or additional taxes, sales and use taxes and all other

fees and assessments, regardless of the taxing method (the "Taxes") attributable to the Property, this Agreement and the Easements. Without limiting the foregoing, except to the extent Taxes are the obligation of tenants under the Existing Agreements, Site Owner shall be solely responsible for the payment of such Taxes. Within ten (10) days of receiving a request from Unison, Site Owner shall furnish to Unison a copy of each bill for any such Taxes and evidence of Site Owner's payment of such bill. In the event that Site Owner fails to pay any Taxes when due, Unison shall have the right, but not the obligation, to pay such Taxes on behalf of Site Owner. Site Owner shall reimburse Unison for the full amount of such Taxes paid by Unison on Site Owner's behalf within five (5) business days of Site Owner's receipt of an invoice from Unison.

7. Property Maintenance and Access. Site Owner agrees to maintain the Property. Without limiting the foregoing, except to the extent maintenance is the obligation of tenants under the Existing Agreements, Site Owner shall be solely responsible for the maintenance of the Property. Site Owner agrees to provide Unison and its Customers access to and from the Easements and all other space in the Property consistent with the grant of the Easements set forth in Section 1 above, twenty-four (24) hours a day, seven (7) days a week.

8. Representations; Other Covenants of Site Owner. Site Owner represents, warrants and agrees that: (a) it is the legal owner of indefeasible and marketable title to the Property with the right, power and authority to enter into this Agreement and to grant the Easements to Unison, and any consents and authorizations required in connection with the execution and delivery of this Agreement have been obtained; (b) except for the Existing Agreements and as disclosed on Exhibit D, no leases, mortgages, deeds of trust or other encumbrances affect the Property as of the Effective Date; (c) Site Owner will comply with all governmental laws, rules and regulations applicable to the Property; (d) Site Owner has delivered to Unison true, correct and complete copies of the Existing Agreements, and, to Site Owner's best knowledge, no party is in default of any of their respective obligations under the Existing Agreements; (e) no party under the Existing Agreements has advised of any intention to exercise, nor have they exercised, any right of early termination set forth in its Existing Agreements, and further, no party has requested a reduction in the rental amount or escalator due under the Existing Agreements; (f) as of the Effective Date, Site Owner shall not, without the prior written consent of Unison, amend or modify the Existing Agreements in any respect or exercise any rights granted by Site Owner to Unison under this Agreement, including, without limitation, any and all rights and remedies of Site Owner under the Existing Agreements; (g) notwithstanding anything to the contrary in this Agreement, Site Owner shall comply with all obligations of the lessor under the Existing Agreements which relate to the use, ownership and operation of Property; and (h) Site Owner shall not use nor permit its affiliates, licensees, invitees or agents to use any portion of the Property or any other property owned or controlled by Site Owner, either directly, indirectly or by action or inaction, in a manner which in any way could result in default of the Existing Agreements or otherwise interfere with the operations of Unison and/or any Customers.

9. Environmental Covenants and Indemnity. Site Owner represents that it has not permitted or engaged in the use of, and has no knowledge of, any substance, chemical or waste (collectively "Substance") located on, under or about the Property that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Neither Site Owner nor Unison will introduce or use any such Substance on, under or about the Property in violation of any applicable law or regulation. No underground storage tanks for petroleum or any other Substance, or underground piping or conduits, are or have previously been located on the Property, and no asbestos-containing insulation or products containing PCB or other Substances have been placed anywhere on the Property by Site Owner or, to Site Owner's knowledge, by any prior owner or user of the Property. Site Owner and Unison shall each defend, indemnify, protect and hold the other party harmless from and against all claims, costs, fines, judgments and liabilities, including attorney's fees and costs, arising out of or in connection with the presence, storage, use or disposal of any Substance on, under or about the Property caused by the acts, omissions or negligence of the indemnifying party and their respective agents, contractors and employees. The foregoing indemnity shall survive any termination of this Agreement.

10. General Indemnity. In addition to the Environmental Indemnity set forth above, Site Owner and Unison shall each indemnify, defend and hold the other harmless against any and all costs (including reasonable attorney's fees) and claims of liability or loss arising (a) due to the breach of any representation, warranty or covenant of such indemnifying party set forth herein; and (b) out of the use and/or occupancy of the Property and Easements by the indemnifying party. This indemnity shall not apply to any claims to the extent arising from the gross negligence or intentional misconduct of the indemnified party.

11. Assignment: Secured Parties. Unison has the unrestricted right to assign, mortgage or grant a security interest in all of Unison's interest in and to this Agreement and the Easements, and may assign this Agreement and the Easements to any such assignees, mortgagees or holders of security interests, including their successors and assigns ("Secured Party" or, collectively, "Secured Parties"). Site Owner agrees to notify Unison and Secured Parties (provided Unison has given Site Owner notice and contact information of Secured Parties) simultaneously of any default by Unison and give Secured Parties the same right to cure any default. If a termination, disaffirmation or rejection of this Agreement shall occur, pursuant to any laws (including any bankruptcy or insolvency laws), Site Owner will notify Secured Parties (provided Unison has given Site Owner notice and contact information of Secured Parties) promptly and Site Owner shall enter into a new easement agreement with any such Secured Party upon the same terms of this Agreement, without requiring the payment of any additional fees. If any Secured Party shall succeed to Unison's interest under this Agreement, such Secured Party shall have no obligation to cure and no liability for any defaults of Unison accruing prior to the date that such Secured Party succeeds to such interest. Site Owner will enter into modifications of this Agreement reasonably requested by any Secured Party. Site Owner hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Easements and/or the Facilities or any portion thereof.

12. Estoppel Certificate. At any time during the term hereof, each party shall have the right to deliver to the other a statement of such party certifying: (i) that this Agreement is unmodified and in full force and effect (or, if there have been modifications, stating the modifications and that the modified Agreement is in full force and effect); (ii) whether or not, to the best knowledge of the responding party, the requesting party is in default in performance of any of its obligations under this Agreement, and, if so, specifying each such default; (iii) that there are no amounts due to the responding party from the requesting party; and (iv) any other information reasonably requested concerning this Agreement (the "Estoppel Certificate"). In the event the responding party fails to dispute the Estoppel Certificate by delivery to the requesting party of a notice specifying the nature and circumstances of any matter in the Estoppel Certificate that is disputed by the responding party within ten (10) days of receipt of the Estoppel Certificate, then all matters specified in the Estoppel Certificate shall be deemed true and correct, and the Estoppel Certificate shall thereafter be binding on the Parties, Secured Party or any party designated by the requesting party, and all of such parties may thereafter rely on the Estoppel Certificate as a conclusive statement of fact by the responding party as to the matters set forth therein.

13. Additional Customers. It is the intent of the Parties to encourage the addition of Customers to the Property throughout and after the term hereof. Site Owner hereby irrevocably constitutes and appoints Unison as its true and lawful attorney-in-fact, with full power of substitution and resubstitution to negotiate and consummate leases, licenses and/or other agreements of use with Customers having a duration beyond the term of this Agreement. Site Owner ratifies and acknowledges the right of Unison to enter into such agreements, and the Property and Site Owner will be bound by such agreements throughout and after the termination of this Agreement for any reason. Site Owner acknowledges that all such agreements entered into by Unison shall survive the termination of this Agreement for any reason. Site Owner agrees that it shall not, directly or indirectly, divert or solicit the business of any of Unison's Customers on behalf of itself or on behalf of any third party. Unison shall have a right of first refusal to acquire, on the same terms and conditions offered by or to a third party, any interest in the Property or any portion thereof being transferred by Site Owner for wireless communication purposes such as described in Section 1 above. Site Owner shall, prior to granting or transferring such interest, notify Unison with a copy of the offer including the price and terms thereof. The foregoing is a continuing right in favor of Unison and shall not be extinguished by Unison's exercise or non-exercise of such right on one or more occasions. Upon the grant or transfer of the Property, or any portion thereof, to a third party, Site Owner shall immediately notify Unison in writing of such grant or transfer, with the name and address of the purchaser.

14. Condemnation. In the event of any condemnation of the Easements in whole or in part, Unison shall be entitled to file claims against the condemning authority for, and to receive, the value of the portion of the Property so taken on which the Easements are located, business dislocation expenses and any other award or compensation to which Unison may be legally entitled. Site Owner hereby assigns to Unison any such claims and agrees that any claims made by Site Owner will not reduce the claims made by Unison.

15. Covenant Running with the Land. The provisions of and covenants contained in this Agreement shall run with the land and shall bind and inure to the benefit of the Parties and their respective successors, heirs and assigns.

**16. Dispute Resolution.**

(a) If Unison fails to perform any of its obligations under this Agreement, Site Owner agrees to notify Unison and any Secured Parties, provided Unison has given Site Owner notice and contact information of Secured Parties, in writing of any default by Unison, and to give Unison and/or any Secured Parties the right to cure any default within a period of not less than sixty (60) days from Unison's receipt of the written default notice. If Unison or any Secured Parties shall fail to cure any default in accordance with this Section, Site Owner agrees that its only remedies for such default shall be specific performance or damages. Any and all damages for which Site Owner may be compensated is limited to the actual damages of Site Owner and Unison's liability shall be limited to its interest in the Property. In the event that any dispute or claim arises that could impair the use or possession of the Facilities by Unison or its Customers, Unison shall have the right to seek injunctive relief, without the necessity of posting a bond.

(b) Except as set forth in Section 16(a), in the event of any dispute arising out of this Agreement, the following dispute resolution process shall be followed: (i) upon a party's written notice of dispute to the other party, an authorized representative of the Site Owner and Unison shall, through a good faith negotiation, attempt to settle a written resolution within thirty (30) days and (ii) if such negotiation attempts fail, the dispute shall be submitted by the parties to a mutually agreed upon arbitrator for a binding and final arbitration decision in accordance with the rules of the American Arbitration Association ("AAA") and using the Federal Rules of Evidence and Civil Procedure. In the event the parties are unable to mutually agree to an arbitrator, each party shall select their own arbitrator, and each such arbitrator shall thereafter mutually agree on a third arbitrator, and the majority decision by all such arbitrators shall be final and binding on the parties. Each party shall pay one-half of all arbitrator professional fees and the prevailing party, in any proceedings under this Section 16, shall be entitled to recover all costs incurred in connection therewith, including legal fees.

**17. Notices.** All notices, requests, demands and other communications hereunder shall be in writing and shall be deemed given one (1) business day after posting with a nationally recognized overnight courier service, or the earlier of receipt or ten (10) days after posting by registered or certified mail, return receipt requested, to the addresses of Site Owner and Unison set forth on the signature page. Either party may change its notice address by providing a new recipient name and address by notice as set forth in this paragraph.

**18. Miscellaneous.** (a) This Agreement and all Exhibits attached hereto constitute the entire agreement and understanding of Site Owner and Unison with respect to the subject matter of this Agreement, and supersedes all offers, negotiations and any other written or verbal agreements; (b) any amendments to this Agreement must be in writing and executed by both parties; (c) this Agreement is governed by the laws of the State in which the Property is located; (d) if any term of this Agreement is found to be void or invalid, such provision shall be fully severable herefrom and such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect, and this Agreement shall be reformed and construed as if such invalid provision had never been contained herein, and if possible, such provisions shall be reformed to the maximum extent permitted under applicable law to render same valid, operative and enforceable to reflect the intent of the Parties as expressed herein; (e) upon the request of Unison, Site Owner shall execute a Memorandum of this Agreement and such plats or surveys as deemed reasonably necessary by Unison for recordation in the public records of the County in which the Property is located; (f) the paragraph headings of this Agreement have been inserted for convenience of reference only, and shall in no way modify or restrict the terms of this Agreement; (g) Site Owner acknowledges that Unison has not provided any legal or tax advice to Site Owner in connection with the execution of this instrument; and (h) this Agreement may be executed in any number of counterparts, each of which shall, when executed, be deemed to be an original and all of which shall be deemed to be one and the same instrument.

**19. Joinder Party.** And now to these presents, intervenes Treasure Valley Collision Center L.L.C., who joins with Site Owner in entering into this Agreement and does hereby agree to be bound by all of the terms hereof and joins Site Owner in granting the easement to Unison and assigns all of its right, title and interest in the Existing Agreements to Unison in all respects.

**[SIGNATURE PAGES FOLLOW]**

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

**WITNESSES:**

Print Name: \_\_\_\_\_

Print Name: \_\_\_\_\_

**"SITE OWNER":**

BLYNN PROPERTIES, L.L.C. 9/14/10 LLC

By: \_\_\_\_\_

Print Name: Robert Allen Miller, Jr.  
a/k/a Robert A. Miller, Jr.

Title: Member

Address: 8247 W. State Street

City: Garden City

State: Idaho

Zip: 83714

Tel: 208 853 2461

Fax: NA

STATE OF IDAHO )  
                    ) ss.

COUNTY OF ADA )

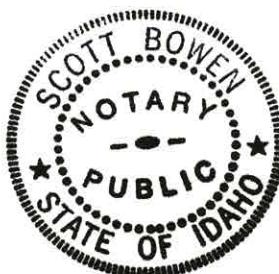
On this 18<sup>th</sup> day of Aug, in the year 2010, before me (here insert the name and quality of the officer), personally appeared Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr., known or identified to me to be the Member of the limited liability company that executed the instrument or the person who executed the instrument on behalf of said limited liability company and acknowledged to me that such limited liability company executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

\_\_\_\_\_  
Notary Public

Residing at Boise

My commission expires 11/14/12



IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

**WITNESSES:**

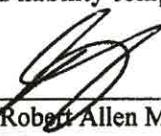
**"JOINDER PARTY":**

Print Name: \_\_\_\_\_

**Treasure Valley Collision Center L.L.C., an  
Idaho limited liability company**

Print Name: \_\_\_\_\_

By: \_\_\_\_\_  
Print Name: Robert Allen Miller, Jr.  
Title: Manager



Address: 8247 West State Street  
City: Boise  
State: Idaho  
Zip: 83714  
Tel: 208 853 0461  
Fax: NA

STATE OF IDAHO )  
                    ) ss.

COUNTY OF ADA )

On this 18<sup>th</sup> day of Aug, in the year 2010, before me (here insert the name and quality of the officer), personally appeared Robert Allen Miller, Jr., known or identified to me to be the manager of the limited liability company that executed the instrument or the person who executed the instrument on behalf of said limited liability company and acknowledged to me that such limited liability company executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Scott Bowen  
Notary Public

Residing at Boise

My commission expires 11/14/12



IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

**WITNESSES:**

Print Name: TINO WONG

Print Name: **MAISHA SMITH**

## **“UNISON”:**

**T6 UNISON SITE MANAGEMENT LLC,  
a Delaware limited liability company**

By: James R. Holmes  
Name: James R. Holmes  
Title: Authorized Signatory

Address: P.O. Box 1951  
City: Frederick  
State: Maryland  
Zip: 21702-0951  
Tel: (646) 452-5455  
Fax: (301) 360-0635

STATE OF NEW YORK )  
COUNTY OF NEW YORK ) ss.

On the 9TH day of AUGUST in the year of 2010, before me, the undersigned, a Notary Public in and for said state, personally appeared James R. Holmes, Authorized Signatory of T6 Unison Site Management LLC, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the individual or the entity upon behalf of which the individual acted, executed the instrument.

WITNESS my hand and official seal.

Signature: Jeffrey W. Lee  
My Commission Expires: \_\_\_\_\_  
Commission Number: \_\_\_\_\_

STEPHANIE NOVICK  
Notary Public, State of New York  
No. 01NO5035998  
Qualified in New York County  
Commission Expires Nov. 14, 2010

**EXHIBIT A**

**LEGAL DESCRIPTION OF PROPERTY**

The following described premises, to-wit:

Lot 11 in Block 2 of Azalea Subdivision, according to the official plat thereof filed in Book 71 of Plats at Pages 7243 and 7244, records of Ada County, Idaho and amended by warranty deed recorded December 27, 1996 under Instrument No. 96106001.

AND BEING the same property conveyed to Treasure Valley Collision Center L.L.C., an Idaho limited liability company from Steven G. Gregory, a married man as his sole and separate property by Warranty Deed dated October 03, 2005 and recorded October 04, 2005 in Instrument No. 105148172; AND FURTHER CONVEYED to Blynn Properties, L.L.C., a limited liability company from Treasure Valley Collision Center, L.L.C. by Quitclaim Deed dated July 28, 2008 and recorded July 30, 2008 in Instrument No. 108086742.

Tax Parcel No. R0719420250

**EXHIBIT B-1**

**COMMUNICATION EASEMENT**

That portion of the Property on which any Facilities exist on the date of this Agreement together with the portion of the Property leased by Site Owner under the Existing Agreements, and the portion of the Property described as follows:

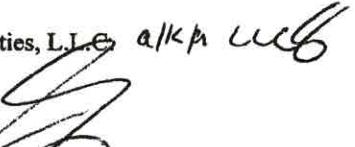
Commencing at the northeasterly corner of the Property at the southerly line of W. State Street; thence South, along the East line of said Property, 155.00 feet to a point; thence West and perpendicular to the last mentioned course, 10.00 feet to the southeasterly corner of the herein described Communication Easement and point of Beginning; thence continue West, 60.00 feet; thence North and perpendicular to the last mentioned course, 20.00 feet; thence East and perpendicular to the last mentioned course, 60.00 feet; thence South and perpendicular to the last mentioned course, 20.00 feet to the point of Beginning.

Site Owner herein agrees that this legal description may be substituted at a later date upon presentation of a survey of the property more clearly defining the location thereof.

**Agreed and Approved:**

**Site Owner:**

Blynn Properties, L.L.C. a/k/a LLC

By: 

Name: Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr.

Title: Member

Date: 8/18/2010

**Joinder Party:**

Treasure Valley Collision Center L.L.C.

By: 

Name: Robert Allen Miller, Jr.

Title: Manager

Date: 8/18/2010

**Unison:**

**By:**

**Name:** James R. Holmes  
**Title:** Authorized Signatory  
**Date:** 8/9/10

**EXHIBIT B-2**

**ACCESS AND UTILITY EASEMENTS**

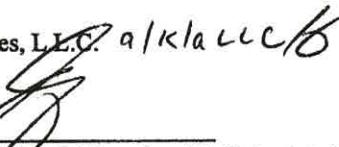
That portion of the Property on which any Facilities exist on the date of this Agreement or provided by Site Owner under the Existing Agreements for access and utility providers, including the following:

All rights of ingress and egress across the Property, more fully described on Exhibit "A" hereof, to and from the Communication Easement described in Exhibit B-1 hereof, providing access to a publicly dedicated roadway, including but not limited to W. State Street (hereinafter the "Access Easement"), along with the right to use said Access Easement for the development, repair, maintenance and removal of utilities providing service to the Communication Easement and the Facilities, as defined herein, and any related activities and uses.

Site Owner herein agrees that this legal description may be substituted at a later date upon presentation of a survey of the property more clearly defining the location thereof.

**Agreed and Approved:**

**Site Owner:**

Blynn Properties, L.L.C. a/k/a LLC 16  


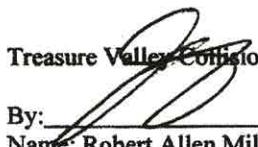
By: \_\_\_\_\_

Name: Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr.

Title: Member

Date: 8/18/2010

**Joinder Party:**

Treasure Valley Collision Center L.L.C.  


By: \_\_\_\_\_

Name: Robert Allen Miller, Jr.

Title: Manager

Date: 8/18/2010

Unison:

By:

Name: James R. Holmes

Title: Authorized Signatory

Date: 8/9/10

**EXHIBIT C**

**EXISTING AGREEMENTS**

**Site Owner assigns and transfers to Unison, as of the effective date herein, all of its right, title and interest in, to and under any existing lease agreements, and any amendments, transfers, modifications and/or assignments thereof, affecting any portion of the Property leased by Site Owner under any Existing Agreements, including, without limitation, the following:**

1. That certain Site Lease With Option by and between Steven G. Gregory, as landlord, and VoiceStream PCS II Corporation, a Delaware corporation, as tenant, dated November 19, 2003, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by Assignment of Lease recorded on October 5, 2005 in Instrument No. 105148893.
2. That certain Communication Site Lease Agreement (Ground Space) by and between Steven G. Gregory, an unmarried person, as landlord, and Clearwire LLC, a Nevada limited liability company, as tenant, dated as of September 15, 2005, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by Assignment of Lease recorded on October 5, 2005 in Instrument No. 105148893.

**Read, Agreed and Approved:**

**Site Owner:**

Blynn Properties, L.L.C. a/k/a LLC6

By: 

Name: Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr.

Title: Member

Date: 8/18/2010

**Joinder Party:**

Treasure Valley Collision Center L.L.C.

By: 

Name: Robert Allen Miller, Jr.

Title: Manager

Date: 8/18/2010

Unison:

By:

Name: James R. Holmes

Title: Authorized Signatory

Date: 8/9/10

**EXHIBIT D**

**TITLE ENCUMBRANCES**

1. That certain Deed of Trust by Blynn Properties, LLC to Pioneer Title Co., as Trustee for the benefit of KeyBank National Association, in the amount of \$389,500.00 dated July 29, 2008 and recorded on July 30, 2008 in Document No. 108086743, together with that Assignment of Rents dated July 29, 2008 and recorded on July 30, 2008 in Instrument No. 108086745, Official Records of ADA County, Idaho, for which a Non-Disturbance Agreement has been executed in favor of Unison and recorded in Instrument No. 110086350 Official Records of Ada County, Idaho.
2. That certain Deed of Trust by Treasure Valley Collision Center L.L.C. to TitleOne Corporation, as Trustee for the benefit of Capital Matrix, Inc., in the amount of \$286,000.00 dated January 8, 2007 and recorded January 29, 2007, in Document No. 107013852, as assigned by the Assignment of Deed of Trust by Capital Matrix, Inc. to the Small Business Administration, dated January 8, 2007 and recorded January 29, 2007, in Document No. 107013853, and as subordinated by that certain Subordination Agreement in favor of KeyBank National Association, dated July 10, 2008 and recorded on July 30, 2008 in Document No. 108086744, together with the UCC Financing Statement recorded on January 29, 2007 in Instrument No. 107013851, Official Records of Ada County, Idaho, for which a Non-Disturbance Agreement has been executed in favor of Unison and recorded in Instrument No. 110086351, Official Records of Ada County, Idaho.



**VIA EMAIL SUBMITTAL**  
**CITY OF GARDEN CITY, IDAHO**  
[Planning@gardencityidaho.org](mailto:Planning@gardencityidaho.org)  
[building@gardencityidaho.org](mailto:building@gardencityidaho.org)

May 13, 2025

City of Garden City, Idaho  
Planning Department  
6015 Glenwood Street  
Garden City, ID 83714

\*\*\*\*\*NOTICE OF ELIGIBLE FACILITIES REQUEST\*\*\*\*\*

RE: Request for Minor Modification to Existing Wireless Facility – Section 6409  
Site Address: 8247 W. State Street, Garden City, Idaho 83714  
**CONDITIONAL USE PERMIT APPLICATION – DISH**

Crown Site Number: 824322 / Crown Site Name: GrdnCity\_Roe  
Customer Site Number: SLBO100019B / Application Number: 655968  
City of Garden City Design Review application #: **DSRFY2025-0006**  
Neighborhood meeting held via Zoom on Tuesday, April 29, 2025

Dear Reviewing Parties:

On behalf of Dish Wireless, L.L.C. (“DISH” or “Applicant”), Crown Castle USA Inc. (“Crown Castle”) is pleased to submit this request to modify the existing wireless facility noted above through the collocation, replacement and/or removal of the Applicant’s equipment as an eligible facilities request for a minor modification under Section 6409<sup>1</sup> and the rules of the Federal Communications Commission (“FCC”).<sup>2</sup>

Section 6409 mandates that state and local governments must approve any eligible facilities request for the modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station. Under Section 6409, to toll the review period, if the reviewing authority determines that the application is incomplete, it must provide written notice to the applicant

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<sup>1</sup> Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, § 6409 (2012) (codified at 47 U.S.C. § 1455).

<sup>2</sup> *Acceleration of Broadband Deployment by Improving Wireless Facility Siting Policies*, 29 FCC Rcd. 12865 (2014) (codified at 47 CFR § 1.6100); and *Implementation of State & Local Governments’ Obligation to Approve Certain Wireless Facility Modification Requests Under Section 6409(a) of the Spectrum Act of 2012*, WT Docket No. 19-250 (June 10, 2020).

<sup>3</sup> See 47 CFR § 1.6100 (c)(3). <sup>4</sup> See 2020 Upgrade Order at paragraph 16.



within 30 days, which clearly and specifically delineates all missing documents or information reasonably related to whether the request meets the federal requirements.<sup>3</sup> Additionally, if a state or local government, fails to issue any approvals required for this request within 60 days, these approvals are deemed granted. The FCC has clarified that the 30-day and 60-day deadlines begins when an applicant: (1) takes the first step required under state or local law; and (2) submits information sufficient to inform the jurisdiction that this modification qualifies under the federal law<sup>4</sup>. Please note that with the submission of this letter and enclosed items, the thirty and sixty-day review periods have started. Based on this filing, the deadline for written notice of incomplete application is **June 12, 2025**, and the deadline for issuance of approval is **July 12, 2025**.

The proposed scope of work for this project includes:

*Collocation of antennas, ancillary equipment and ground equipment as per plans for a new carrier (DISH) on an existing wireless communication facility.*

At the end of this letter is a checklist of the applicable substantial change criteria under Section 6409. Additionally, please find enclosed the following information in support of this request:

- (1) Eligible Facilities Request Applicant cover letter and narrative (see *this document*), with **Attachment “A,”** Section 6409 Substantial Change Checklist; **Attachment “B,”** Proposed Scope of Work; **Attachment “C,”** Photo of subject site; **Attachment “D,”** Location Map; **Attachment “E,”** Crown Castle authorization to submit permit applications;
- (2) City of Garden City Conditional Use Permit application form;
- (3) Compliance Statement and Statement of Intent;
- (4) Neighborhood Map;
- (5) Site Plan;
- (6) Construction drawings prepared by TEP dated 2/21/2025;
- (7) Photos of the site;
- (8) Neighborhood meeting verification – neighborhood meeting was held via Zoom on 4/29/2025;
- (9) Affidavit of Legal Interest;
- (10) Waiver Request of Application Materials – see below
- (11) Structural Documentation - Structural Analysis Report prepared by Morrison Hershfield dated 9/13/2024;
- (12) Ada County Assessor information; and
- (13) Warranty Deed.

Crown Castle requests a waiver for the following documents for this Conditional Use Permit application:

- A) Fire Flow/Ability to serve – this is not applicable to a 6409a application to modify a wireless facility
- B) Irrigation/Ditch company authorization letter – this is not applicable to a 6409a application to modify a wireless facility
- C) Landscape Plan – this is not applicable as no landscaping is proposed as part of this project



As these documents indicate, (i) the modification involves the collocation, removal or replacement of transmission equipment; and (ii) such modification will not substantially change the physical dimensions of such tower or base station. As such, it is an “eligible facilities request” as defined in the FCC’s rules to which the 60-day deadline for approval applies. Accordingly, Applicant requests all authorization necessary for this proposed minor modification under Section 6409.

Our goal is to work with you to obtain approvals earlier than the deadline. We will respond promptly to any request for related information you may have in connection with this request. Please let us know how we can work with you to expedite the approval process. We look forward to working with you on this important project, which will improve wireless telecommunication services in your community using collocation on existing infrastructure. If you have any questions, please do not hesitate to contact me.

Regards,

*Gary Abrahams*

Gary Abrahams

GMA Network Services, LLC

Agent for Crown Castle USA Inc.



### Attachment "A"

#### **Section 6409 Substantial Change Checklist Towers Outside of the Public Right of Way**

The Federal Communications Commission has determined that a modification substantially changes the physical dimension of a wireless tower or base station under 47 U.S.C. § 1455(a) if it meets one of six enumerated criteria under 47 C.F.R. § 1.6100.

##### **Criteria for Towers Outside the Public Rights of Way**

YES/NO <b>NO</b>	Does the modification increase the height of the tower by more than the greater of: (a) 10% (b) or, the height of an additional antenna array plus separation of up to 20 feet from the top of the nearest existing antenna?
YES/NO <b>NO</b>	Does the modification add an appurtenance to the body of the tower that would protrude from the edge of the tower more than 20 feet or more than the width of the tower structure at the level of the appurtenance, whichever is greater?
YES/NO <b>NO</b>	Does the modification involve the installation of more than the standard number of new equipment cabinets for the technology involved or add more than four new equipment cabinets?
YES/NO <b>NO</b>	Does the modification entail any excavation or deployment outside the current site by more than 30 feet in any direction, not including any access or utility easements?
YES/NO <b>NO</b>	Does the modification defeat the concealment elements of the eligible support structure?
YES/NO <b>NO</b>	Does the modification violate conditions associated with the siting approval with the prior approval the tower or base station other than as specified in 47 C.F.R. § 1.6100(c)(7)(i) – (iv)?

If all questions in the above section are answered "NO," then the modification does not constitute a substantial change to the existing tower under 47 C.F.R. § 1.6100.



## Attachment "B"

### PROPOSED SCOPE OF WORK FOR DISH

8247 W. State Street, Garden City, Idaho 83714

---

## SCOPE OF WORK

---

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

**TOWER SCOPE OF WORK:**

- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
- INSTALL (3) PROPOSED SECTOR MOUNTS (1 PER SECTOR)
- INSTALL (6) PROPOSED RRUs (2 PER SECTOR)
- INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE
- INSTALL (1) PROPOSED JUMPER

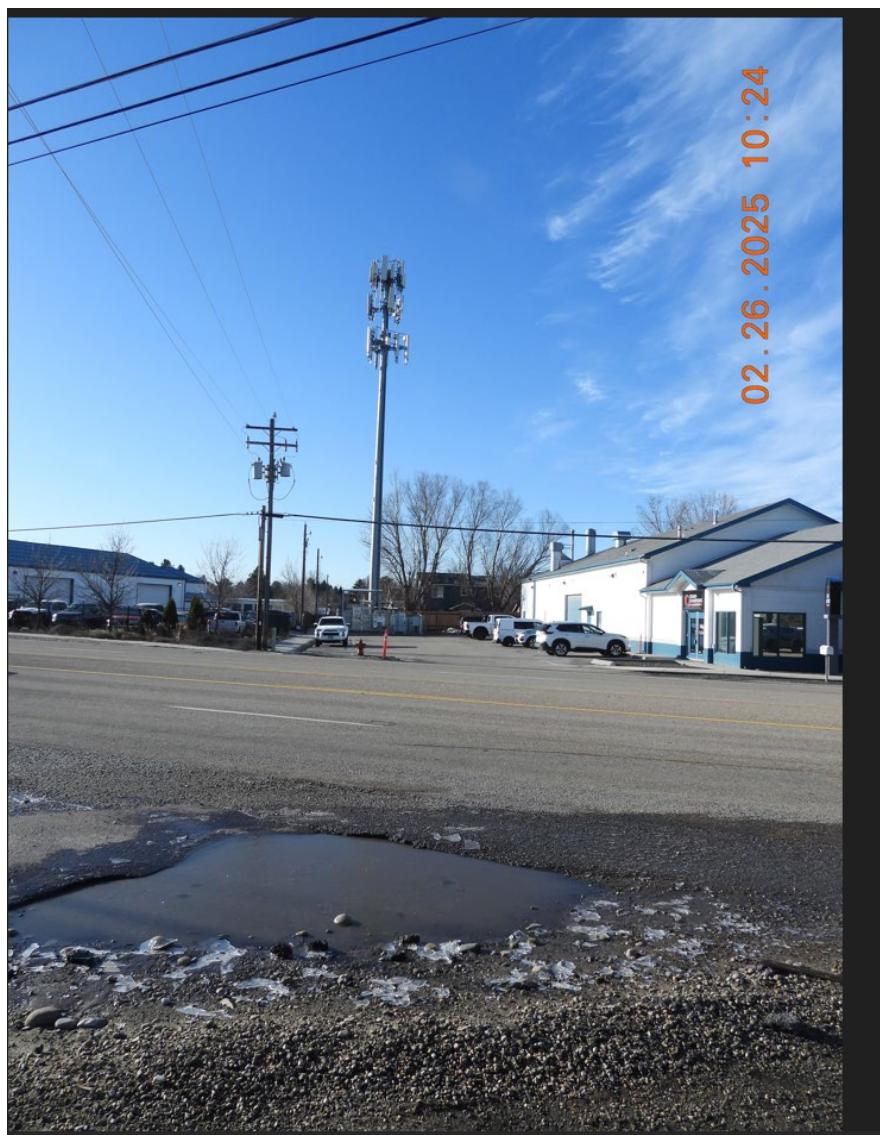
**GROUND SCOPE OF WORK:**

- INSTALL WOODEN FENCED COMPOUND
- INSTALL (1) PROPOSED EQUIPMENT PAD
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED PPC
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED TECH LIGHT
- INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)
- INSTALL (1) PROPOSED 200A METER



**Attachment "C"**

**PHOTO OF SUBJECT SITE**



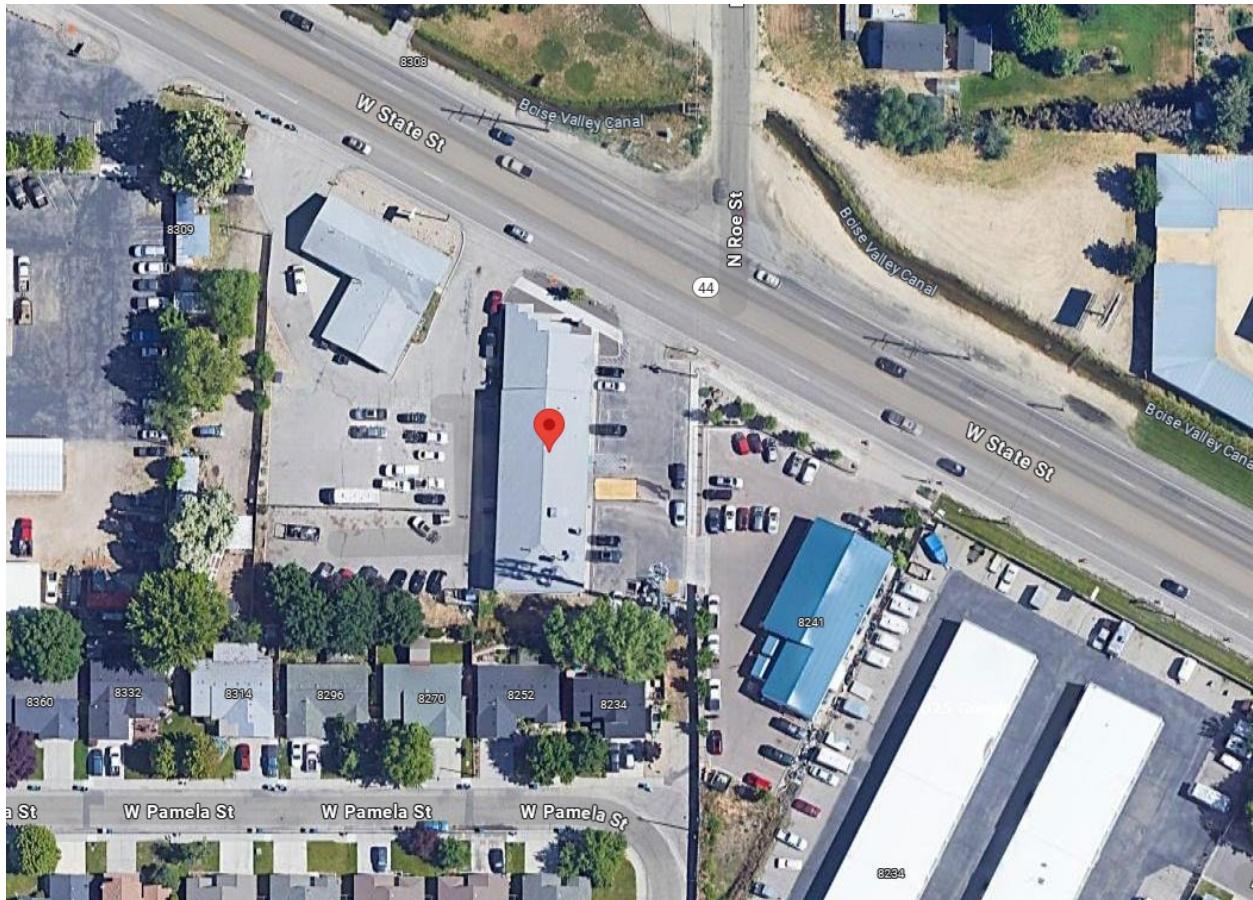
**The Foundation for a Wireless World**

[CrownCastle.com](http://CrownCastle.com)



**Attachment "D"**

**LOCATION MAP**





**Attachment "E"**

**AUTHORIZATION TO SUBMIT FOR PERMITS**



**Crown Castle**  
1505 Westlake Avenue North  
Suite 800  
Seattle, WA 98109

March 1, 2023

Re: Crown Castle – PNW  
Subject: Gary Abrahams – Authorized Consultant for Crown Castle

Dear Reviewing Parties:

This letter serves to notify you that Crown Castle has retained the services of Gary Abrahams as approved agent to submit application for and obtain local jurisdiction approvals including but not limited to zoning and building permits. This includes applicable permitting for any and all customers seeking to install or modify their equipment on Crown Castle towers.

Please feel free to contact me directly with any questions. Thank you for your expeditious processing of applications filed by Mr. Abrahams.

Sincerely,

*Kate Hanstrom*

Kate Hanstrom  
Site Acquisition Specialist  
[Kate.Hanstrom@crowncastle.com](mailto:Kate.Hanstrom@crowncastle.com)  
(309) 269-7254



# GARDEN CITY

NESTLED BY THE RIVER

6015 Glenwood Street • Garden City, Idaho 83714  
Phone 208 - 472-2921 • Fax 208 - 472-2926 •  
[www.gardencityidaho.org](http://www.gardencityidaho.org)

## Affidavit of Neighborhood Meeting

State of Idaho )  
 )SS

County of Ada )

G-1001

I, GARY ABRAMS, 310 1/2 AVE. SOUTH  
Name (be full legal name) Address

Name (be full legal name)

590  
Address

Seattle

City

State and Zip

Being first duly sworn upon oath, depose and say:

1. That I provided the attached notice to all individuals owning property within 300' of 8247 W. State St. (project address) Garden City, Idaho.
  2. The list of individuals that I sent the notice to include all entities that were on the 300' radius list provided by the city of Garden City.
  3. I posted the site in accordance with the requirements found in Garden City Code 8-6A-7. B.1, affidavit thereof attached.
  4. The location of the meeting was Via a Zoom call.
  5. The date of the meeting was: 04-29-2025, a Monday, Tuesday, Wednesday, Thursday, or Friday (please circle the day of the week). (must be a weekday not less than 10 days ahead of this submittal and not more than three months ahead of this submittal).
  6. The time of the meeting was: 6:00 pm. (must be between 5:30pm - 8:00pm)
  7. I remained on site from 6:00 pm to 6:40 pm (must be on site a minimum of 30 minutes even if no one is in attendance).
  8. The attached sign-in sheet includes all attendees.

Dated this 5<sup>th</sup> day of May 2025.

  
Signature

Subscribed and sworn to before me the day and year first above written

Notary Public  
State of Washington  
**FERRAND KONG**  
COMMISSION# 21002250  
MY COMMISSION EXPIRES  
June 03, 2028

Notary Public for ~~Idaho~~ WASHINGTON  
EK

Residing at:

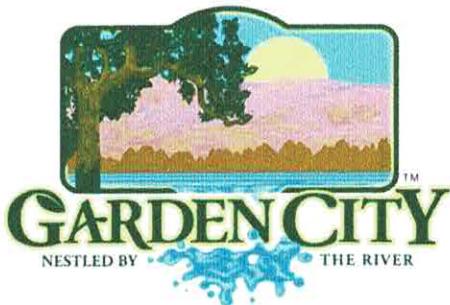
My Commission expires.

ISSAQAH, WA

6/3/2028

**REQUIRED ATTACHMENTS**

1. Neighborhood meeting notice
  2. Affidavit of posting
  3. Sign in sheet

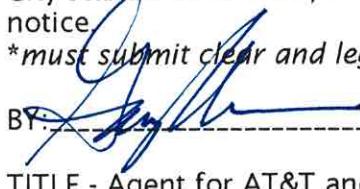


6015 Glenwood Street • Garden City, Idaho 83714  
Phone 208/472-2921 • Fax 208/472-2926 • [www.gardencityidaho.org](http://www.gardencityidaho.org)

## Affidavit of Property Posting

I, (name) Gary Abrahams do hereby attest that the property located at (site address) 8247 W. State Street, Garden City, Idaho, was posted on (date) 4/16/2025. This posting was for (application numbers) **DSRFY2024-0017 & DSRFY2025-0006**. The date of posting was no less than ten (10) days prior to the public hearing for which the application is to be heard in conformance with Section 8-6A-7 of the Garden City Code. The property was posted in compliance with Garden City standards of form, size, lettering, content, and placement for posting property for public notice.

*\*must submit clear and legible photos of the property posting with affidavit\**

BY:  Gary Abrahams

TITLE - Agent for AT&T and Dish

State of ~~Idaho~~ <sup>PK</sup> WASHINGTON

County of ~~Ada~~ <sup>PK</sup> KING

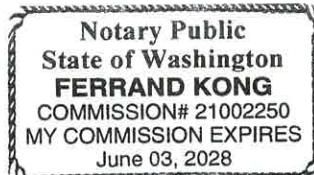
On this 5<sup>th</sup> day of MAY, 2025 (month), (year), before me, the undersigned, a Notary Public in and for said State, personally appeared GARY M. ABRAHAMS (person responsible for posting) known or identified to me to be the person whose name is subscribed to be the foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public for ~~Idaho~~ <sup>PK</sup> WASHINGTON

Residing at ISSAQAH, WA

Commission Expires: 6/3/2028



# NEIGHBORHOOD MEETING NOTICE FOR A PROJECT IN YOUR NEIGHBORHOOD

4/12/2025

To whom it may concern:

You are invited to a neighborhood meeting to discuss a project we are proposing near your property. The purpose of the meeting is to discuss the project, answer any questions, and listen to your feedback and suggestions.

**A NEIGHBORHOOD MEETING WILL BE HELD ON TUESDAY, APRIL 29, 2025 @ 6:00 PM  
TO DISCUSS PROPOSED MODIFICATIONS TO AN EXISTING WIRELESS FACILITY AT  
8247 W. STATE STREET, GARDEN CITY, ID 83714 (project file numbers and project  
descriptions below)**

**THE NEIGHBORHOOD MEETING WILL BE HELD VIA ZOOM AND CAN BE ACCESSED  
ON- LINE OR VIA PHONE AT THE LINKS BELOW:**

**TO JOIN ONLINE:**

<https://zoom.us/j/99855224236?pwd=0TKY1MaGhxFlWfv1OukbqmGEh6QqXs.1>

**Meeting ID: 998 5522 4236  
Passcode: 664870**

**TO JOIN VIA PHONE:**

**+1-253-205-0468  
Meeting ID: 998-5522-4236#  
Passcode: \*664870#**

If you would like to contact us ahead of the meeting, please feel free to reach us at 206-349-4279 or via email at [gary@gmanetworkservices.com](mailto:gary@gmanetworkservices.com).

To contact the Garden City Planning Dept., (please note the DRB number referenced below in any communication): [PLANNING@GARDENCITYIDAHO.ORG](mailto:PLANNING@GARDENCITYIDAHO.ORG) (also see form attached at the end of this notice)

We look forward to hearing from you. After the neighborhood meeting, this application will be scheduled for review with the city. This application's review with the City may take place as soon as 15 days after the neighborhood meeting. If you provided written comments to the city seven days prior to the applicant's consultation, your comments will be reviewed as part of the application. **Please note:** If you wish to be an interested party or have the ability to appeal you must notify the City in writing. The City will inform interested parties of any revised materials that are submitted. **You cannot appeal the application unless you have standing as prescribed in Idaho Code (Idaho Code 67-6521) and provide a written comment to the city seven days prior to the application's formal review with the City.**

Thank you,  
Gary Abrahams

For Crown Castle USA Inc., on behalf of AT&T Wireless and Dish Wireless, L.L.C

**AT&T Wireless proposes to collocate at this existing wireless facility:**

**AT&T City of Garden City DRB application #DSRFY2024-0017 (Design Review)**

**With the following scope of work:**

**NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.**

1. BRING POWER / FIBER TO SITE LOCATION
2. ADD AT&T APPROVED 6'X6' CONCRETE WALK IN CABINET (CWUC) & ASSOCIATED INTERIOR EQUIPMENT
3. ADD NEW COMPOUND FENCE
4. ADD (1) 30KW AC DIESEL GENERATOR
5. ADD (1) NEW GPS UNIT
6. ADD (3) VFA12-HD-WLL SECTOR MOUNTS ON (E) MONOPOLE
7. ADD (12) ANTENNAS, (4) PER SECTOR
8. ADD (9) RRHs, (3) PER SECTOR
9. ADD (3) DC9 SURGE SUPPRESSORS, (1) PER SECTOR
10. ADD (6) DC TRUNKS
11. ADD (3) FIBER TRUNKS

**Dish Wireless, L.L.C. proposes to also collocate at this existing wireless facility:**

**Dish Wireless City of Garden City DRB application #DSRFY2025-0006 (Design Review)**

**With the following scope of work:**

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

**TOWER SCOPE OF WORK:**

- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
- INSTALL (3) PROPOSED SECTOR MOUNTS (1 PER SECTOR)
- INSTALL (6) PROPOSED RRUs (2 PER SECTOR)
- INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE
- INSTALL (1) PROPOSED JUMPER

**GROUND SCOPE OF WORK:**

- INSTALL WOODEN FENCED COMPOUND
- INSTALL (1) PROPOSED EQUIPMENT PAD
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED PPC
- INSTALL (1) PROPOSED EQUIPMENT CABINET
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- INSTALL (1) PROPOSED TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED TECH LIGHT
- INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)
- INSTALL (1) PROPOSED 200A METER

If you wish to be an interested party or may wish to appeal the City's decision, please provide the City with the following information via email: [planning@gardencityidaho.org](mailto:planning@gardencityidaho.org).

Or mail to:

**Attn: Development Services Department  
6015 N Glenwood St  
Garden City, ID 83714.**

File Number: \_\_\_\_\_

I wish to be an interested party:  Yes  No

I wish to have the ability to appeal:  Yes  No

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Physical Address: \_\_\_\_\_

Which elements are of concern:

Massing  Architectural elements  Connectivity  
 Landscaping  Water features  Site layout  
 Other: \_\_\_\_\_

Please elaborate:

---

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---

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Signature

---

Date

Clinton McCaleb  
12862 N. 10<sup>th</sup> Ave.  
Boise, ID 83714 - 0000

Kimberly Jean Elder  
8252 W. Pamela St.  
Garden City, ID 83714- 0000

MHC Shenandoah Estates LLC  
917 W. Washington MS 316  
Chicago, IL 60607 - 0000

Murdock Taylor Lee David  
1446 Caravan St  
Kuna, ID 83634-0000

Judith A Henry  
8270 W Pamela St.  
Boise, ID 83714- 0000

RL Properties LP  
9839 W Cable Car St. Ste. 101  
Boise, ID 83709 - 0000

David Hatfield  
1464 E Territory Dr.  
Meridian, ID 83646 - 6547

Michael W. Sommer  
8279 W. Pamela St.  
Garden City, ID 83714 - 0000

DBII LLC  
9884 Stony Brook Way  
Middleton, ID 83644-0000

Shelly J. Hatch  
2804 S. Blackspur Way  
Meridian, ID 83642 - 0000

Jeffrey Stevenson  
8314 W. Pamela St.  
Garden City, ID 83714 - 0000

8309 W. State Street LLC  
PO Box 1281  
Eagle, ID 83616 - 0000

State of Idaho (Dept. of Lands)  
300 N. 6<sup>th</sup> St.  
Boise, ID 83702 - 0000

Leslie Renee Dunn  
8315 W. Pamela St.  
Garden City, ID 83714 - 0000

HFP REDLEG 12 LLC  
PO Box 140111  
Garden City, ID 83714 - 0000

Charles Ray Peterson  
307 E 680 North  
Lindon, UT 84042-0000

Andrea Chu  
8332 W Pamela St.  
Garden City, ID 83714 - 0000

SI Five LLC  
PO Box 140337  
Boise, ID 83714 - 0000

John W. Biss  
499 S Meridian Rd  
Meridian, ID 83642 - 0000

Gerard J Halpin  
8333 W Pamela St.  
Garden City, ID 83714-0000

Gary Abrahams  
590 – 1<sup>st</sup> Ave. South, #705  
Seattle, WA 98104

LLV II LLC  
5321 W Hidden Springs Dr.  
Boise, ID 83714 - 0000

Laird Lyons Family Trust  
8351 W Pamela St.  
Garden City, ID 83714 - 0000

Mariia Antonova  
Assistant Planner  
City of Garden City, Dev. Services  
6015 Glenwood St.  
Garden City, ID 83714

Larry D Carroll  
8151 W Kerry St.  
Boise, ID 83714-0000

State of Idaho (Dept. of Forestry)  
8355 W. State St.  
Boise, ID 83714 - 6071

Emily Marie LaFrance  
8234 W Pamela St.  
Garden City, ID 83714 - 0000

Morgan Daniel  
8360 W. Pamela St.  
Garden City, ID 83714 - 0000

PRIMOWNER	ADDCONCAT	STATCONCAT
MCCALEB CLINTON	12862 N 10TH AVE	BOISE, ID 83714-0000
MURDOCK TAYLOR LEE DAVID	1446 W CARAVAN ST	KUNA, ID 83634-0000
HATFIELD DAVID	1464 E TERRITORY DR	MERIDIAN, ID 83646-6547
HATCH SHELLEY J	2804 S BLACKSPUR WAY	MERIDIAN, ID 83642-0000
STATE OF IDAHO (DEPT OF LANDS)	300 N 6TH ST	BOISE, ID 83702-0000
PETERSON CHARLES RAY	307 E 680 N	LINDON, UT 84042-0000
BISS JOHN W	499 S MERIDIAN RD	MERIDIAN, ID 83642-0000
LLV II LLC	5321 W HIDDEN SPRINGS DR	BOISE, ID 83714-0000
CARROLL LARRY D	8151 W KERRY ST	BOISE, ID 83714-0000
LAFRANCE EMILY MARIE	8234 W PAMELA ST	GARDEN CITY, ID 83714-0000
ELDER KIMBERLEY JEAN	8252 W PAMELA ST	GARDEN CITY, ID 83714-0000
HENRY JUDITH A	8270 W PAMELA ST	BOISE, ID 83714-0000
SOMMER MICHAEL W	8279 W PAMELA ST	GARDEN CITY, ID 83714-0000
STEVENSON JEFFREY	8314 W PAMELA ST	GARDEN CITY, ID 83714-0000
DUNN LESLIE RENEE	8315 W PAMELA ST	GARDEN CITY, ID 83714-0000
CHU ANDREA	8332 W PAMELA ST	GARDEN CITY, ID 83714-0000
HALPIN GERARD J	8333 W PAMELA ST	GARDEN CITY, ID 83714-0000
LAIRD LYONS FAMILY TRUST 04/12/2023	8351 W PAMELA ST	GARDEN CITY, ID 83714-0000
STATE OF IDAHO (DEPT OF FORESTRY)	8355 W STATE ST	BOISE, ID 83714-6071
DANIEL MORGAN	8360 W PAMELA ST	GARDEN CITY, ID 83714-0000
MHC SHENANDOAH ESTATES LLC	917 W WASHINGTON MS 316	CHICAGO, IL 60607-0000
RL PROPERTIES LP	9839 W CABLE CAR ST STE 101	BOISE, ID 83709-0000

DBII LLC	9884 STONY BROOK WAY	MIDDLETON, ID 83644-0000
8309 W STATE STREET LLC	PO BOX 1281	EAGLE, ID 83616-0000
HFP REDLEG 12 LLC	PO BOX 140111	GARDEN CITY, ID 83714-0000
SI FIVE LLC	PO BOX 140337	BOISE, ID 83714-0000

# Neighborhood Meeting Sign-in Sheet Template

Day: Tuesday

Date: 4/29/2025

Time: 6:00 PM

## Project Synopsis:

AT&T proposes to install ground based equipment, including a walk-in-cabinet, at the base of the monopole. AT&T will install antennas and associated equipment on the monopole. Dish proposes to install ground based equipment, including (1) equipment cabinet, at the base of the monopole. Dish will install antennas and associated equipment on the monopole. Both projects require a CUP.

## NEIGHBORHOOD MEETING NOTICE

TUESDAY APRIL 29, 2025 @6:00PM

TO BE HELD ONLINE VIA ZOOM, AT THE FOLLOWING LINK  
<https://zoom.us/j/99855224236?pwd=OTKyMAGHXfLWVf10kB0MGEh6Q0xsI> OR CALL 253-205-0468

MEETING ID: 998-5522-4236# PASSCODE: 664870#  
MEETING IS TO DISCUSS TWO (2) PROPOSED  
WIRELESS PROJECTS AT 8247 W. STATE STREET, GARDEN CITY, ID  
AT&T DRB #DSRFY2024-0017  
DISH WIRELESS, L.L.C. DRB# DSRFY2025-0006  
FOR QUESTIONS: APPLICANT: GARY ABRAHAMS, FOR  
CROWN CASTLE, 206-349-4279,  
OR GARDEN CITY: PLANNING@GARDEN CITY IDAHO.ORG



# NEIGHBORHOOD MEETING NOTICE

TUESDAY:APRIL 29, 2025 @6:00PM

TO BE HELD ONLINE VIA ZOOM,AT THE FOLLOWING LINK  
[HTTPS://ZOOM.US/J/99855224236?PWD=OTKy1MAGHXFLWfV10UKBQMGEH6Q0QXS.1](https://zoom.us/j/99855224236?pwd=OTKy1MAGHXFLWfV10UKBQMGEH6Q0QXS.1) OR CALL 253-205-0468

MEETING ID:998-5522-4236# PASSCODE:664870#

NEIGHBORHOOD MEETING IS TO DISCUSS TWO (2) PROPOSED  
WIRELESS PROJECTS AT 8247 W. STATE STREET,GARDEN CITY, ID  
AT&T DRB #DSRFY2024-0017

DISH WIRELESS, L.L.C. DRB# DSRFY2025-0006

FOR QUESTIONS : APPLICANT: GARY ABRAHAMS, FOR  
CROWN CASTLE, 206-349-4279,  
OR GARDEN CITY: PLANNING@GARDENCITYIDAHO.ORG



May 13, 2025

Garden City Planning  
6015 Glenwood Street  
Garden City, Idaho 83714

**Subject: Compliance Statement and Statement of Intent-DISH CUP application**

Dear Reviewing Parties:

DISH is requesting conditional use permit approval to expand a current legal non-conforming use in the C-2 zone pursuant to Garden City Code § 8-1B-3. The existing facility was lawfully established through Conditional Use Permit 03-17-CU by Garden City on December 17, 2003. Garden City subsequently amended allowed uses in the C-2 zone that excluded Wireless Communication Facilities.

This letter is submitted as the Compliance Statement and Statement of Intent in consideration of the requirement by Garden City for a Design review and conditional use permit application.

Crown ID: BU: 824322  
Application ID: 655968 (DISH)

Applicant: Crown Castle USA Inc. for DISH

Preparer for Applicant: Gary Abrahams  
GMA Network Services, LLC  
For Crown Castle USA Inc.  
590 – 1<sup>st</sup> Ave. South, #705  
Seattle, WA 98104  
206-349-4279  
[Gary@GMAnetworkservices.com](mailto:Gary@GMAnetworkservices.com)

Property Owner: DB II LLC  
8247 W. State St.  
Garden City, ID 83714

Tower/Facility Owner: Global Signal Acquisitions IV LLC  
8247 W. State St.  
Garden City, ID 83714

Request: Conditional Use Permit approval for DISH to expand an existing legal non-conforming use, pursuant to Garden City Code 8-1B-3

Location: 8247 W. State St.  
Garden City, Idaho 83714

Parcel #: R0719420250

Zoning:

C-2 (General Commercial)

DISH continues to expand and upgrade its wireless communications network to meet the public's demand for current and future technologies related to wireless services. DISH proposes to install antennas and ancillary equipment at the 70-foot (rad center) level of the existing 118-foot monopole. DISH also proposes to install one (1) equipment cabinet, slab-on-grade, in a new fenced compound surrounded by a new wood fence which complies with Garden City code. Detailed construction drawings are included with this application.

*§ 8-1B-3 NONCONFORMING USES:*

*A. A nonconforming use may continue as long as the use remains lawful and is not abandoned, expanded, or extended, subject to the following provisions:*

*1. Nonconforming uses, structures, or portions thereof that have been declared dangerous and not abated or are a chronic public nuisance as defined by Garden City code shall lose their nonconforming status for failure to act.*

**Response:** Not applicable as none of the aforementioned has been declared nor are they reasonably applicable to the facility.

*2. No existing use or structure containing a nonconforming use may be expanded in intensity or degree of use, enlarged, extended, constructed, reconstructed, moved, or structurally altered except: (a) through the approval of a conditional use permit in accord with the procedures set forth in chapter 6, article B, "Specific Provisions", of this title; or (b) where the use of the structure is changed to a conforming use.*

**Response:** Not applicable. The applicant and parties to the applicant (the "Applicants") do not agree with Garden City staff's interpretation that the proposed collocation constitutes an expansion in intensity or degree of use, enlargement, or extension. The existing facility is a wireless facility that includes a tower and equipment compound. As such the proposed collocation does not change, enlarge or extend that use or facility. Additionally the proposed project is an Eligible Facilities Request. In order to move the project forward this application is submitted under protest in order to satisfy subsection (a) of this section. As such the Applicants have not agreed the proposal is not an Eligible Facility nor waive any rights or remedy under Federal Law including associated Order(s).

*3. A nonconforming use may be extended to occupy additional land area only through the approval of a conditional use permit in accordance with the procedures set forth in chapter 6, article B, "Specific Provisions", of this title.*

**Response:** DISH has completed a design review process with Garden City under **#DSRFY2025-0006**. The conditional use permit application is submitted to satisfy City staff's interpretation and position for this subsection. The preceding response is incorporated by reference as it shares applicability to our position to this subsection as well.

*4. The nonconforming use shall be deemed to be abandoned and shall not be reestablished if the use of the property is changed. Conducting activity of another use on the property, commencing utility service for another use, or approval of an application to change the use of a property shall be considered change of use.*

**Response:** Not applicable. There is no proposed change of use.

*B. A nonconforming use may be changed only to a conforming use.*

**Response:** Not applicable. There is no proposed change of use.

*C. If a nonconforming use has ceased for twelve (12) consecutive months and not declared the intent to continue the nonuse of the use or improvements designed for the use, as defined by Idaho Code section [67-6538](#) and approved Garden City procedures, or has been replaced with a conforming use, the nonconforming use shall be deemed abandoned and shall not be reestablished. If a nonconforming use has ceased for ten (10) consecutive years the nonconforming use shall be deemed abandoned and shall not be reestablished regardless of declaration to continue the nonuse of the use or improvements designed for the use.*

**Response:** Not applicable. The legal non-conforming use has not ceased.

8-2C-46: **WIRELESS COMMUNICATION FACILITY:**

*A. Setback:*

*1. A wireless communication facility shall not be located closer than five thousand two hundred eighty feet (5,280') (1 mile) from an existing cellular tower.*

**Response:** Not applicable as a wireless communication facility as defined by the City's code is not proposed. § 8-7A-2 defines a Wireless Communication Facility as *(a) steel monopole, guywire tower, lattice tower or other similar structure designed to support directional antennas, parabolic dishes or antennas, microwave dishes; in addition to associated ground equipment and other similar equipment used in the*

*wireless communications industry.* The proposed collocation of antennas are to be attached to an **existing** legal non-conforming *Wireless Communication Facility*.

2. *In addition to the setbacks required for the base zoning district as set forth in section 8-2B-3, table 8-2B-2, "Form Standards In All Base Zoning Districts", of this chapter, a support tower for a wireless communication facility shall be set back one foot (1') for every ten feet (10') of the total tower height.*

**Response:** Not applicable as a new support tower is not proposed.

3. *All equipment shelters, cabinets or other on ground ancillary structures shall meet the setback requirements of the zone.*

**Response:** DISH proposes to expand the fenced area to the west of the existing ground-based equipment to accommodate its equipment cabinet. The required minimum 5-foot setback to all property lines in the C-2 zone will be maintained.

- B. Height: The maximum height, including all antenna attachments shall be one hundred feet (100') in the C-1 zone and one hundred twenty five feet (125') in the LI zone.*

**Response:** Not applicable as the existing facility is not within a C-1 or LI zone. As previously stated, the proposed DISH installation will be at an existing Wireless Communication Facility that was legally established in 2003.

Further, § 8-2B-3 (E)(2) exempts maximum height limitations as follows: *The maximum height limitations shall not apply to the following: fire and hose tower; power line tower; water tank or tower; windmill; wireless communication facility, or other commercial or personal tower and/or antenna structure; or other appurtenances usually required to be placed above the level of the ground and not intended for human occupancy [emphasis added in bold].*

- C. Collocation: No new towers shall be allowed unless there has been an analysis certified by a qualified engineer and specific to the site that collocation on an existing wireless communication facility is infeasible. Evidence to demonstrate that no existing facility can accommodate the proposed new facility may consist of any of the following:*

1. *No existing towers or structures are located within the geographic area required to meet the proposed facility's requirements;*
2. *Existing structures are not of sufficient height to meet the engineering requirements of the proposed structure;*

3. *Existing structures do not have sufficient structural strength to support the proposed antenna and/or equipment; or*
4. *The proposed antenna would cause electromagnetic interference with the antenna on existing structures, or the antenna on the existing structure would cause similar interference with the proposed antenna.*

**Response:** Not applicable as a new tower is not proposed.

*D. Site Design:*

1. *Tower facilities shall be landscaped with a buffer outside the perimeter of the compound in accordance with the standards set forth in subsection 8-4I-5C of this title.*

**Response:** No landscaping is proposed or required for this project. The DISH equipment will be screened with a new wood fence.

2. *Materials, colors, textures and screening shall be used that blend the tower facility to the natural and built environment. Supporting electrical and mechanical equipment installed on the tower shall use colors that are similar to the tower.*

**Response:** All proposed DISH tower-based equipment is factory painted.

3. *Except as required by the federal aviation administration (FAA) or the federal communications commission (FCC), transmission structures shall not be artificially lighted. Equipment shelters may use lighting consistent with the lighting standards set forth in section 8-4A-4, "Outdoor Lighting", of this title.*

**Response:** No new tower lighting is proposed as part of this application.

*E. Site Maintenance: A wireless communication facility that is no longer in use shall be completely removed and the site restored to its preexisting condition within six (6) months of the cessation of operation.*

**Response:** The proposed wireless communication facility will be removed within six months of the cessation of operation to the extent that any conflicting law or right that may conflict including legal remedy(s) is not waived should this unlikely event occur.

*F. Other Regulations Apply: The site and structure design shall be subject to review by the design committee and the process set forth in section 8-6B-3 of this title. (Ord. 898-08, 9-8-2008; and. Ord. 944-12, 5-14-2012)*

**Response:** This section is recognized notwithstanding pre-emptive law and ruling under the Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, § 6409 (2012) and subsequent FCC Infrastructure Orders.

## **Conclusion**

The proposed EFR 6409a application for DISH meets all requirements of the Garden City code.

Thank you in advance for your prompt review and approval of this application.

Sincerely,

Gary Abrahams  
GMA Network Services, LLC  
Agent for Crown Castle USA Inc.

02 . 26 . 2025 1



02 . 26 . 2025 1



02.26.2025 1



02.26.2025.1



02 . 26 . 2025 1



Parcel: **R0719420250**

Year: **2025**

Parcel Status: **Active**

## Property Details

**Primary Owner:** DBII LLC

**Address:** 8247 W STATE ST GARDEN CITY, ID 837140000

**Instrument #:** 2020069819

**Subdivision:** AZALEA SUB

**Assessor ID:** LOT 11 BLK 2 AZALEA SUBDIVISION

**Township/Range/Section:** 4N1E24

**Land Group Type:** SUB

**Zone Code:** C-2

**Total Acres:** 0.567

**Tax Code Area:** 06-3



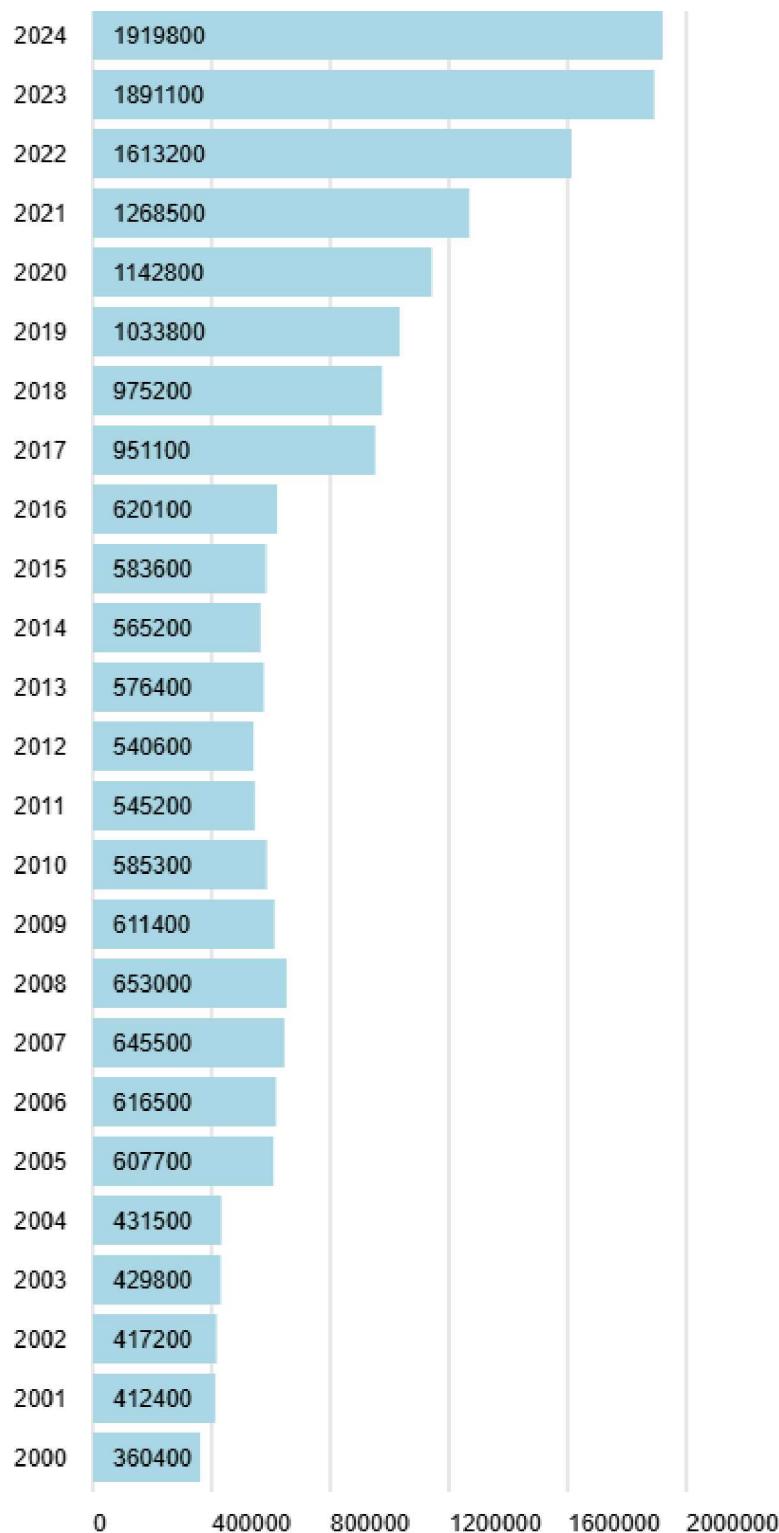


## Valuation

### Valuation Details

Roll	State Category Code	Acreage	Assessed Value	Valuation Method	Code Area
Property	420	0.000	1210900	INCOME	06-3
Property	401	0.000	162000	COST	06-3
Property	210	0.567	281000	MARKET	06-3
Property	450	0.000	265900	MARKET	06-3

### Valuation History by Year



## Tax Districts

Tax District	Levy	Description	Phone
1	0.001544150	ADA COUNTY	2082877000
3	0.000084684	EMERGENCY MEDICAL	2082872975

Tax District	Levy	Description	Phone
6	0.000495404	ADA COUNTY HIGHWAY DIST	2083876100
7	0.002796979	SCHOOL DISTRICT NO. 1	2084722607
16	0.001948532	GARDEN CITY	2084722907
19	0.000020371	DRY CREEK CEMETERY	2088531940
26	0.001607290	N ADA CO FIRE & RESCUE	2083750906
43	0.000015041	MOSQUITO ABATEMENT	2085774646
45	0.000068291	FLOOD CONTROL DIST. #10	2088612766
100	0.000085194	COLLEGE OF WESTERN IDAHO	2085623291

**Total Levy:** 0.008665936

**Note:** The current year levies are estimated using the previous year, they will be updated when the districts set them in October.

## Taxes

Year	Total Taxes	Taxes Paid	Taxes Due	Delinquent	Tax Data Current as of
2024	16641.86	-16641.86	0.00	No	3/21/2025
2023	17317.62	-17317.62	0.00	No	3/21/2025
2022	13683.66	-13683.66	0.00	No	3/21/2025
2021	13739.00	-13739.00	0.00	No	3/21/2025
2020	13480.92	-13480.92	0.00	No	3/21/2025
2019	13942.94	-13942.94	0.00	No	3/21/2025
2018	14049.62	-14049.62	0.00	No	3/21/2025
2017	14163.74	-14163.74	0.00	No	3/21/2025
2016	9543.12	-9543.12	0.00	No	3/21/2025
2015	9189.22	-9189.22	0.00	No	3/21/2025
2014	9045.14	-9045.14	0.00	No	3/21/2025

"Total Taxes" is the full annual property tax charge and may not reflect any certifications, special assessments, adjustments, or fees.

"Taxes Paid" includes payments made by the taxpayer or on their behalf, such as payments by mortgage servicers and the State of Idaho for the Property Tax Reduction Program (circuit breaker), Veteran's Property Tax Reduction Program, and the Homeowner's Tax Relief credit.

"Taxes Due" includes all taxes owing for the first and second half installments. If the first half is paid timely, the second half is due by June 20.

Please refer to your tax bill or contact the Treasurer's Office for information about taxes due and due dates. You can find your most recent tax bill and contact information for the Treasurer's Office at [adacounty.id.gov/treasurer](https://adacounty.id.gov/treasurer) (<https://adacounty.id.gov/treasurer/>).

\*Interest accrues daily on delinquencies. Please call the Ada County Treasurer's Office at [\(208\) 287-6800](tel:2082876800) (<tel:2082876800>) for the total amount due with interest calculated to date of payment.

For Tax inquires please contact the [Treasurer](https://adacounty.id.gov/treasurer/) (<https://adacounty.id.gov/treasurer/>), at [\(208\) 287-6800](tel:2082876800) (<tel:2082876800>)

## Characteristics

### Land

Characteristic	Value
<b>Residential Acres</b>	0.000
<b>Commercial Acres</b>	0.567
<b>Other Acres</b>	0.000
<b>Street</b>	None
<b>Sidewalks</b>	No
<b>Curb-gutters</b>	No
<b>Corner</b>	No

### Commercial

Characteristic	Value
<b>Commercial Group Type</b>	CELL TOWERS (UPDATE LAND YEARLY)
<b>Year Built</b>	2005
<b>Year Remodel</b>	N/A
<b>Business Name</b>	Mono Pole 120'
<b>Number of Floors</b>	1
<b>Number of Units</b>	0

Characteristic	Value
<b>Leasable Sq Ft</b>	0
<b>Ground Floor Sq Ft</b>	1
<b>Total Square Feet</b>	1
<b>Total Land Acres</b>	0.000
<b>Method</b>	COST

#### Sketch



Ada County appraisers follow American National Standards Institute (ANSI) building measurement standards for square footage calculations. This information is to be used ONLY for reference purposes and Ada County is not responsible for any inaccuracies. If you have questions concerning the accuracy, please use the Help option in the Menu at the top of this screen.



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

**SLBOI00019B**

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

**8247 W STATE ST  
GARDEN CITY, ID 83714**

#### IDAHO CITY OF GARDEN 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	CODE
BUILDING	IDAHO BUILDING CODE 2021/IBC 2021
MECHANICAL	IDAHO MECHANICAL CODE 2021/IMC 2021
ELECTRICAL	IDAHO ELECTRICAL CODE 2023/NEC 2023

#### SHEET INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
A-1.0	OVERALL PARCEL MAP
A-1.1	SITE PLAN
A-1.2	EXISTING COMPOUND PLAN
A-1.3	ENLARGED COMPOUND PLAN
A-2.1	TOWER ELEVATIONS
A-2.2	ANTENNA PLAN AND SCHEDULE
A-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL ONE-LINE, FAULT CALC & PANEL SCHEDULE
G-1	GROUNDING PLANS AND NOTES
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
G-4	GROUND BAR DETAIL
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

SCOPE OF WORK	
THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:	
TOWER SCOPE OF WORK:	
<ul style="list-style-type: none"> <li>• INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)</li> <li>• INSTALL (3) PROPOSED SECTOR MOUNTS (1 PER SECTOR)</li> <li>• INSTALL (6) PROPOSED RRUs (2 PER SECTOR)</li> <li>• INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)</li> <li>• INSTALL (1) PROPOSED HYBRID CABLE</li> <li>• INSTALL (1) PROPOSED JUMPER</li> </ul>	
GROUND SCOPE OF WORK:	
<ul style="list-style-type: none"> <li>• INSTALL WOODEN FENCED COMPOUND</li> <li>• INSTALL (1) PROPOSED EQUIPMENT PAD</li> <li>• INSTALL (1) PROPOSED ICE BRIDGE</li> <li>• INSTALL (1) PROPOSED PPC</li> <li>• INSTALL (1) PROPOSED EQUIPMENT CABINET</li> <li>• INSTALL (1) PROPOSED POWER CONDUIT</li> <li>• INSTALL (1) PROPOSED TELCO CONDUIT</li> <li>• INSTALL (1) PROPOSED TELCO-FIBER BOX</li> <li>• INSTALL (1) PROPOSED GPS UNIT</li> <li>• INSTALL (1) PROPOSED TECH LIGHT</li> <li>• INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)</li> <li>• INSTALL (1) PROPOSED 200A METER</li> </ul>	



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 INFORMATION		PROJECT DIRECTORY	
PROPERTY OWNER:	DBII LLC	APPLICANT:	DISH WIRELESS, LLC.
ADDRESS:	9884 STONY BROOK WAY MIDDLETON, ID 83644		5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120 (303) 723-1000
TOWER TYPE:	MONPOLE	TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317 (877) 486-9377
TOWER CO SITE ID:	824322		
TOWER APP NUMBER:	655968		
COUNTY:	ADA	SITE DESIGNER:	TEP OPCO, LLC 326 TRYON RD. RALEIGH, NC 27603 (919) 661-6351
LATITUDE (NAD 83):	43° 40' 22.63" N 43.672953°		
LONGITUDE (NAD 83):	116° 17' 21.27" W -116.289242°		
ZONING JURISDICTION:	CITY OF GARDEN	SITE ACQUISITION:	DAVID HADDOCK DAVID.HADDOCK@DISH.COM
ZONING DISTRICT:	C-2	CONSTRUCTION	JACOB BELL JACOB.BELL@DISH.COM
PARCEL NUMBER:	R0719420250	MANAGER:	
OCCUPANCY GROUP:	U	RF ENGINEER:	DAVID CAMPOS DAVID.CAMPOS@DISH.COM
CONSTRUCTION TYPE:	II-C		
POWER COMPANY:	IDAHO POWER		
TELEPHONE COMPANY:	CENTURYLINK		

DIRECTIONS	
DIRECTIONS FROM NAMPA MUNICIPAL AIRPORT:	

HEAD NORTHEAST ON MUNICIPAL DR TOWARD AIRPORT RD. TURN RIGHT ONTO AIRPORT RD/MUNICIPAL DR. TURN LEFT ONTO N 39TH ST/MUNICIPAL DR/MUNICIPAL WY. TURN RIGHT ONTO GARRITY BLVD. CONTINUE STRAIGHT TO STAY ON GARRITY BLVD. USE THE RIGHT 2 LANES TO TURN SLIGHTLY RIGHT ONTO THE RAMP TO MERIDIAN/BOISE. MERGE WITH I-84 E. USE THE LEFT 3 LANES TO TAKE EXIT 49 FOR I-184. CONTINUE ONTO I-184 E. TAKE EXIT 2 FOR CURTIS RD. TURN LEFT ONTO N CURTIS RD. USE THE LEFT 2 LANES TO TURN LEFT ONTO W CHINDEN BLVD. TURN RIGHT ONTO ID-44 W/N GLENWOOD ST. USE THE LEFT 2 LANES TO TURN LEFT ONTO W STATE ST. TURN LEFT.

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351

February 21, 2025

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:  APPROVED BY:

PSS  TH  GSM

RFDS REV #:

1

**CONSTRUCTION DOCUMENTS**

SUBMITTALS

REV DATE DESCRIPTION

A 09-22-23 PRELIMINARY

0 10-18-23 CONSTRUCTION

1 10-29-24 CONSTRUCTION

2 01-16-25 CONSTRUCTION

3 02-06-25 CONSTRUCTION

4 02-21-25 CONSTRUCTION

A&E PROJECT NUMBER  
176543.879143

DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
T-1

20' 10' 0 20' 40'  
1"=20'

SITE LOCATION

20' 10' 0 20' 40'  
1"=20'

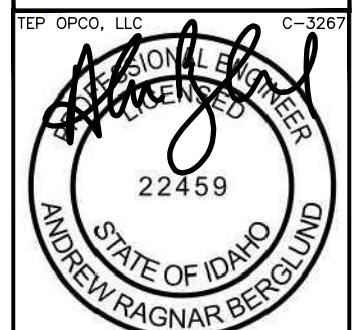
**NOTES**

1. BOUNDARY LINES OBTAINED FROM AS-BUILT SURVEY.
2. ZONING INFORMATION OBTAINED FROM AS-BUILT SURVEY.
3. THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #16001CO166J, DATED JUNE 19, 2020.
4. SITE PLAN IS OBTAINED FROM AS-BUILT SURVEY PROVIDED BY CROWN CASTLE DATED 01/22/2020

**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**

326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351



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DRAWN BY: CHECKED BY: APPROVED BY:  
PSS TH GSM

RFDS REV #: 1

**CONSTRUCTION DOCUMENTS****SUBMITTALS**

REV	DATE	DESCRIPTION
A	09-22-23	PRELIMINARY
0	10-18-23	CONSTRUCTION
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2	01-16-25	CONSTRUCTION
3	02-06-25	CONSTRUCTION
4	02-21-25	CONSTRUCTION

A&E PROJECT NUMBER  
176543.879143

DISH WIRELESS, LLC.  
PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

OVERALL AND ENLARGED  
SITE PLAN

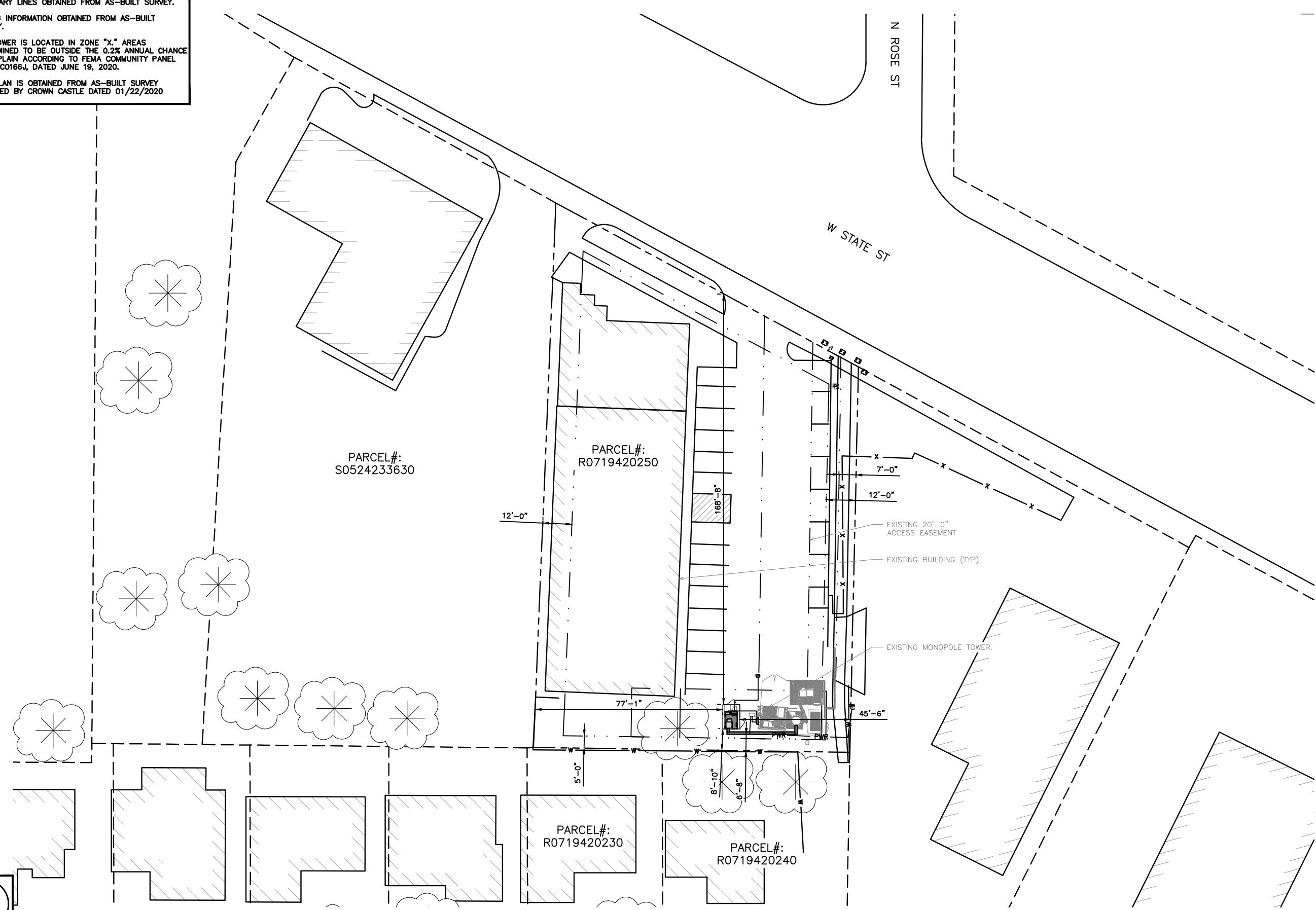
SHEET NUMBER

**A-1.0**

OVERALL PARCEL MAP

40' 20' 0 40' 80'  
1"=40'

1



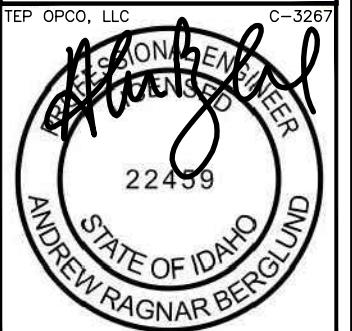
## NOTES

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2. ZONING INFORMATION OBTAINED FROM AS-BUILT SURVEY.
3. THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #16001CO166J, DATED JUNE 19, 2020.
4. SITE PLAN IS OBTAINED FROM AS-BUILT SURVEY PROVIDED BY CROWN CASTLE DATED 01/22/2020

**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**

326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351



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PSS TH GSM

RFDS REV #: 1

## CONSTRUCTION DOCUMENTS

## SUBMITTALS

REV	DATE	DESCRIPTION
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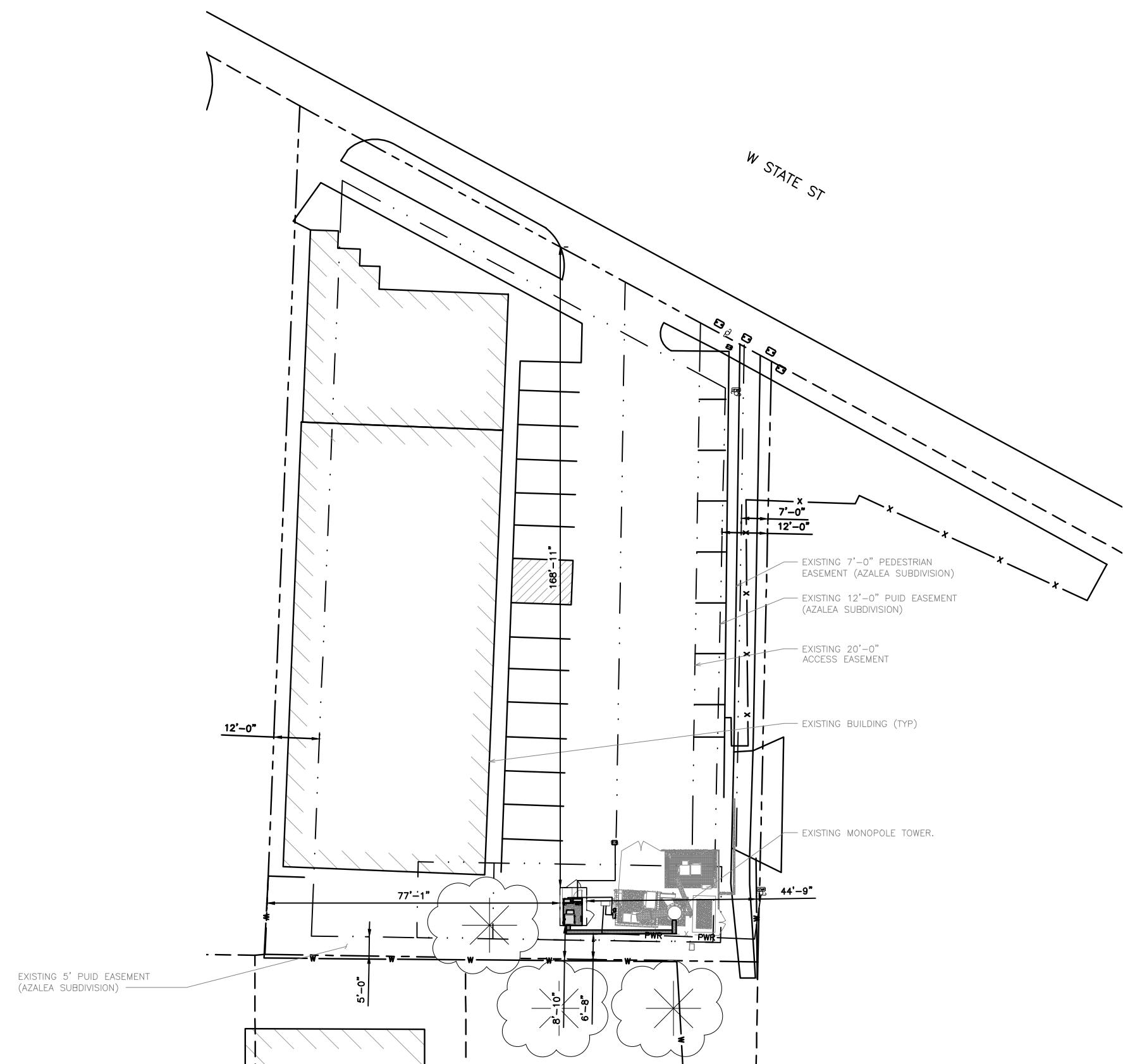
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DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

SHEET TITLE  
SITE PLAN

SHEET NUMBER

**A-1.1**



SITE PLAN

16' 12' 8' 4' 0 16' 32'  
1/16"=1'-0"

## NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
3. THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #16001C0166J, DATED JUNE 19, 2020
4. SITE PLAN AND EASEMENT INFORMATION IS OBTAINED FROM AS-BUILT SURVEY PROVIDED BY CROWN CASTLE DATED 01/22/2020

**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**

326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351

TEP OPCO, LLC C-3267



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DRAWN BY: CHECKED BY: APPROVED BY:  
PSS TH GSM

RFDS REV #: 1

## CONSTRUCTION DOCUMENTS

## SUBMITTALS

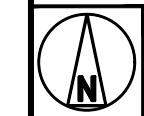
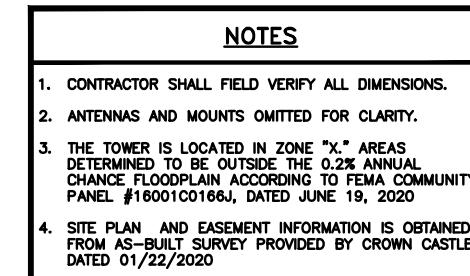
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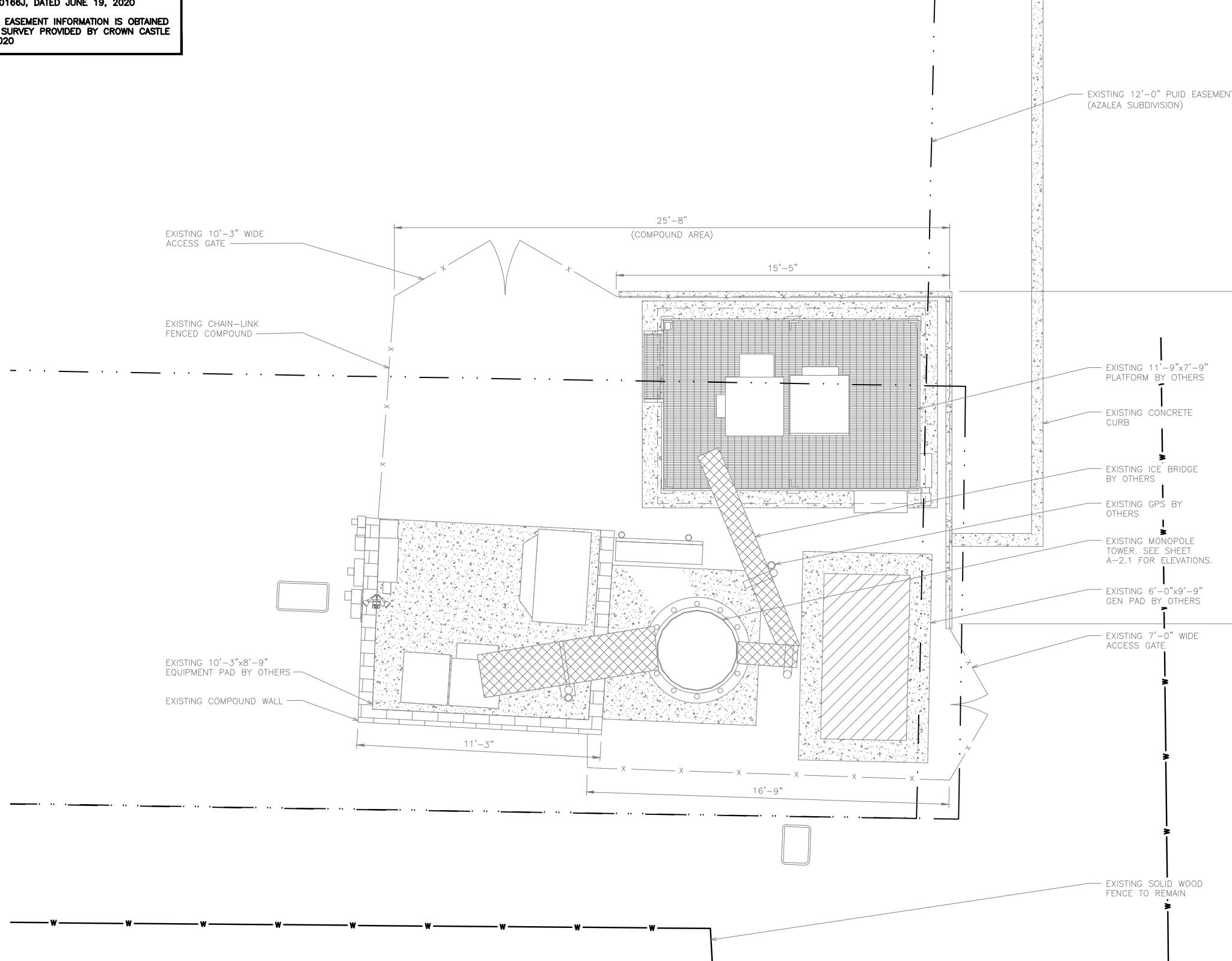
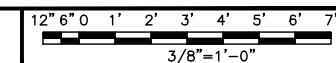
DISH WIRELESS, L.L.C.  
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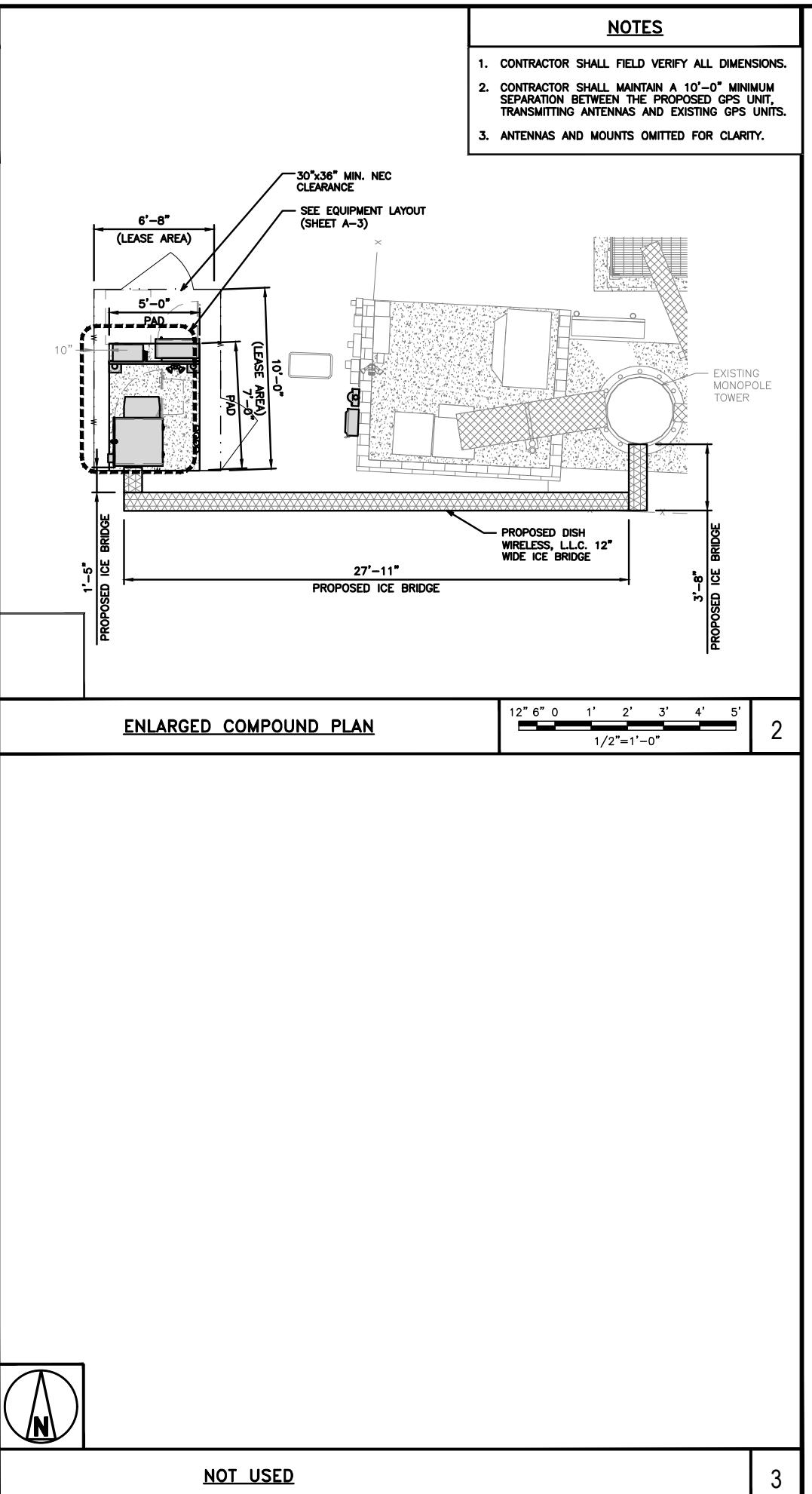
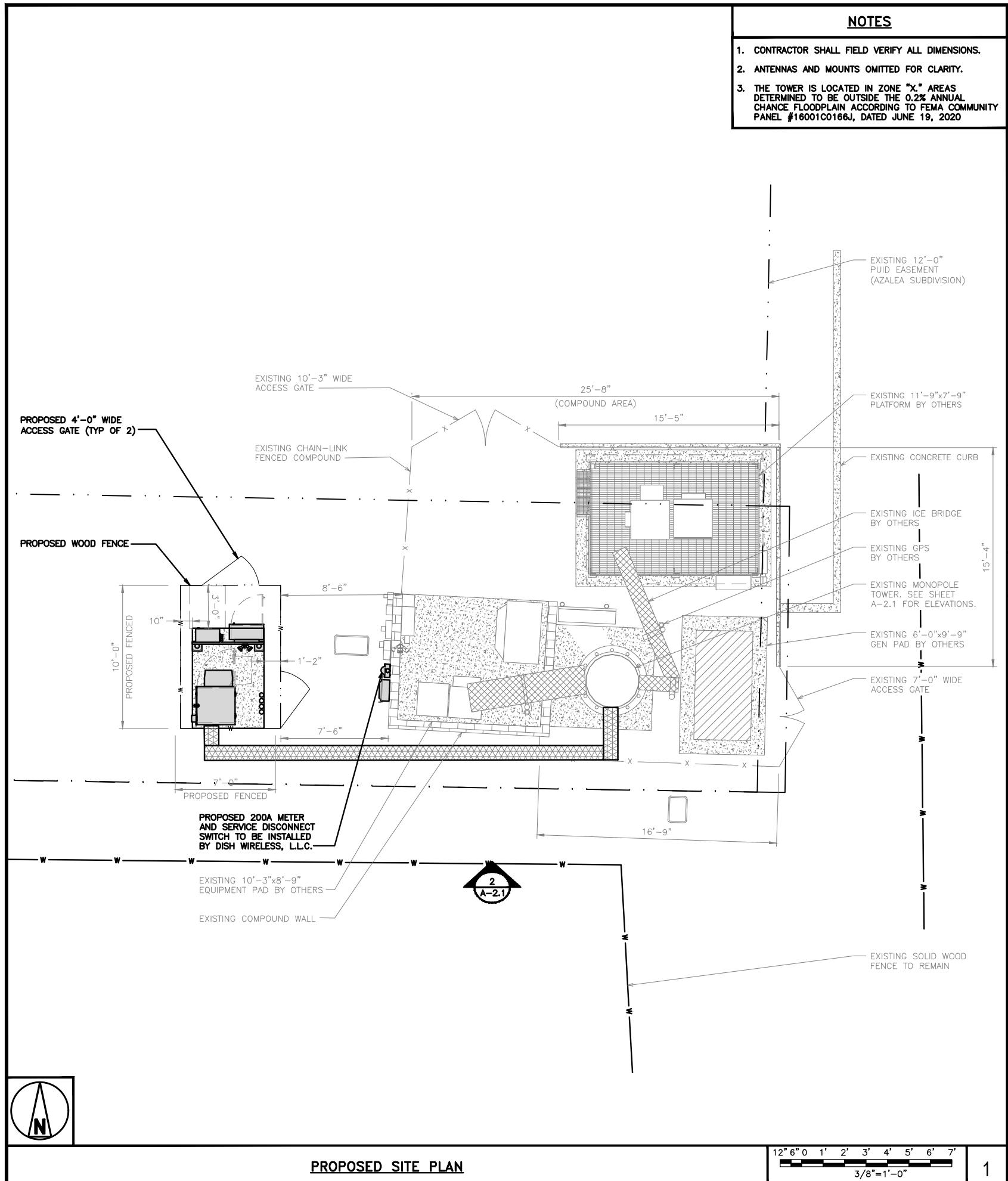
SHEET TITLE  
EXISTING COMPOUND PLAN

SHEET NUMBER  
A-1.2



EXISTING COMPOUND PLAN





5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



6 TRYON RD. RALEIGH, NC 27603  
OFFICE: (919) 661-6351

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OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

OWN BY: CHECKED BY: APPROVED BY:

PSS TH GSM

OS REV #: 1

# CONSTRUCTION DOCUMENTS

## SUBMITTALS

DATE	DESCRIPTION
09-22-23	PRELIMINARY
10-18-23	CONSTRUCTION
10-29-24	CONSTRUCTION
01-16-25	CONSTRUCTION
02-06-25	CONSTRUCTION
02-21-25	CONSTRUCTION

A&E PROJECT NUMBER  
176543.879143

DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
**SLBO100019B**  
**ID-CCI-T-824322**  
**8247 W STATE ST**  
**GARDEN CITY, ID 83714**

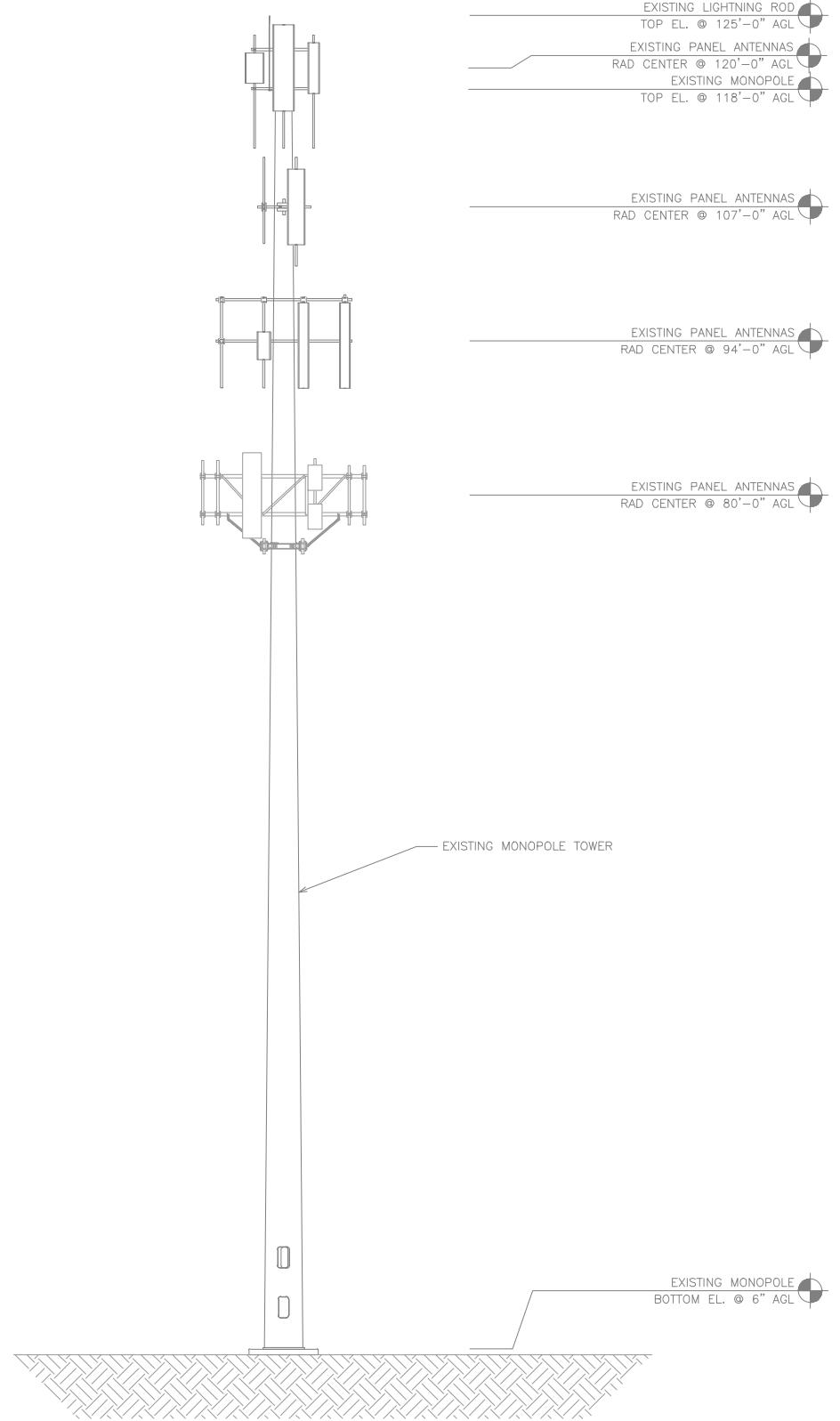
SHEET TITLE  
PROPOSED COMPOUND

SHEET NUMBER

### A-1.3

**NOTES**

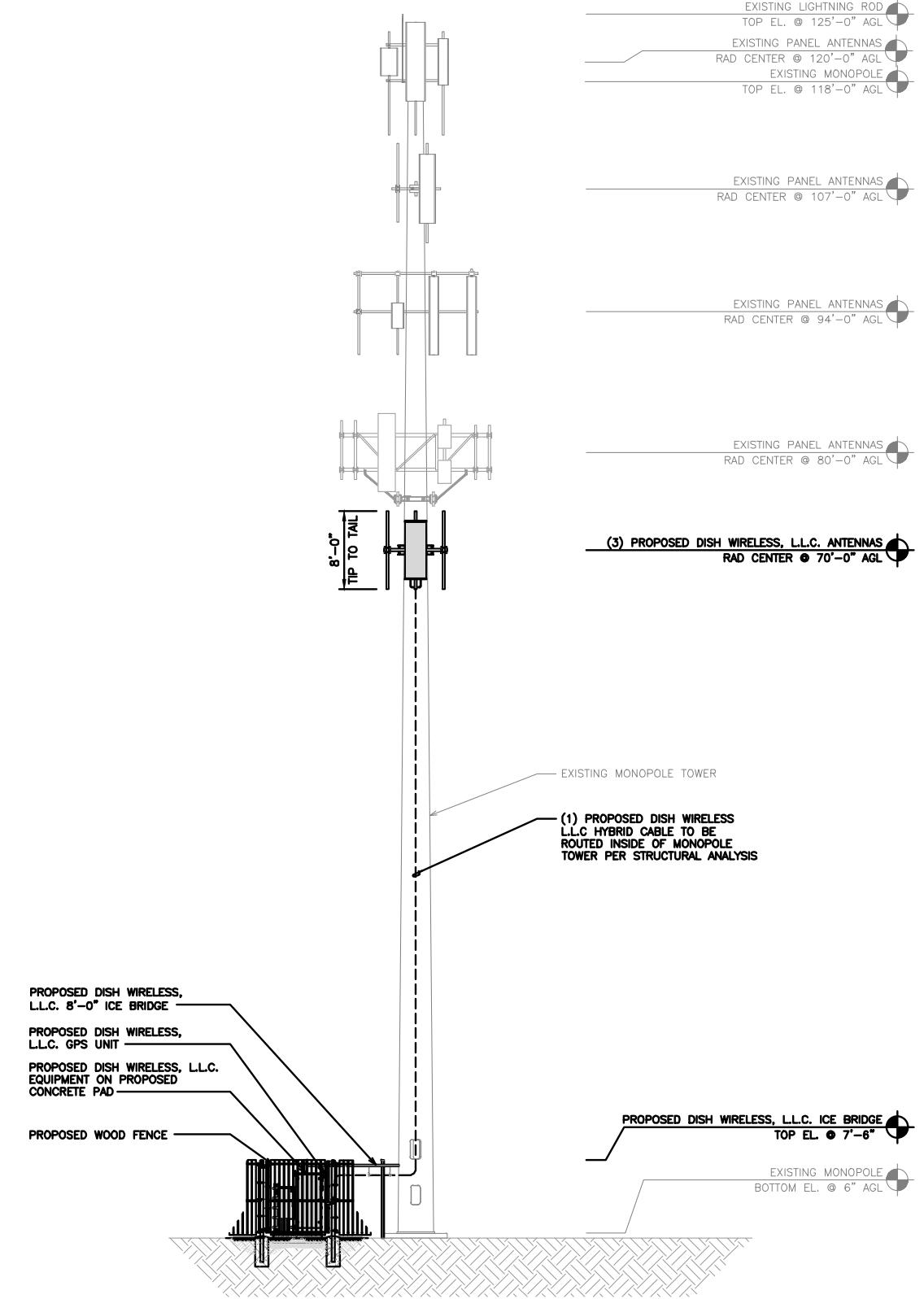
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.



EXISTING SOUTH ELEVATION

8' 4' 0 8' 16'  
1/8"=1'-0"

1



PROPOSED SOUTH ELEVATION

8' 4' 0 8' 16'  
1/8"=1'-0"

2

**A-2.1**

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DISH WIRELESS, LLC. PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

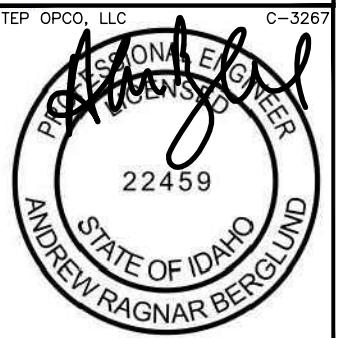
**SHEET TITLE**  
**TOWER ELEVATIONS**

**SHEET NUMBER**

**A-2.1**

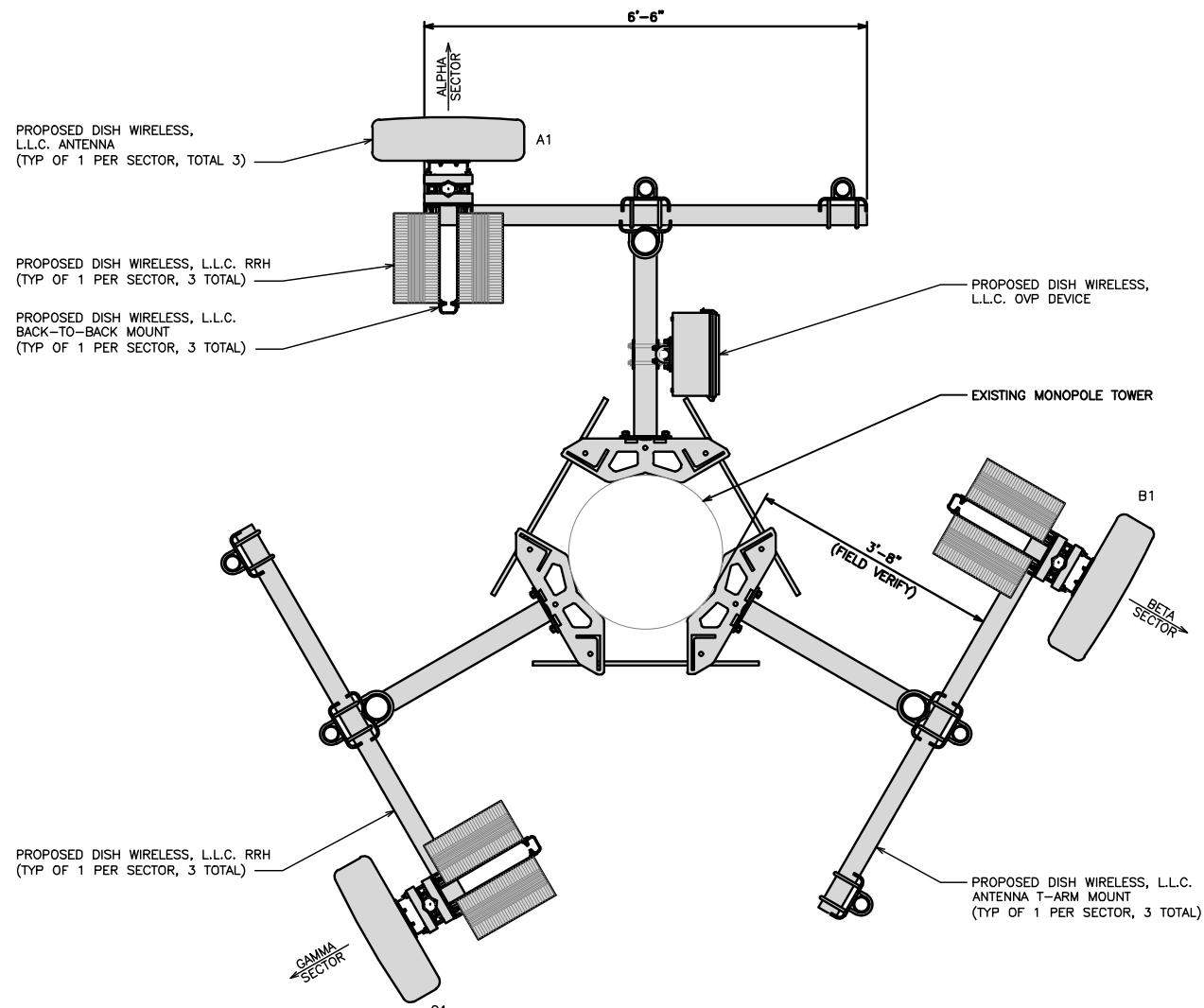
**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**  
326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351



## NOTES

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



## ANTENNA LAYOUT

12" 6" 0 1" 2" 3"  
3/4"=1'-0"

1

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GARDEN CITY, ID 83714

SHEET TITLE  
ANTENNA LAYOUT  
AND SCHEDULE

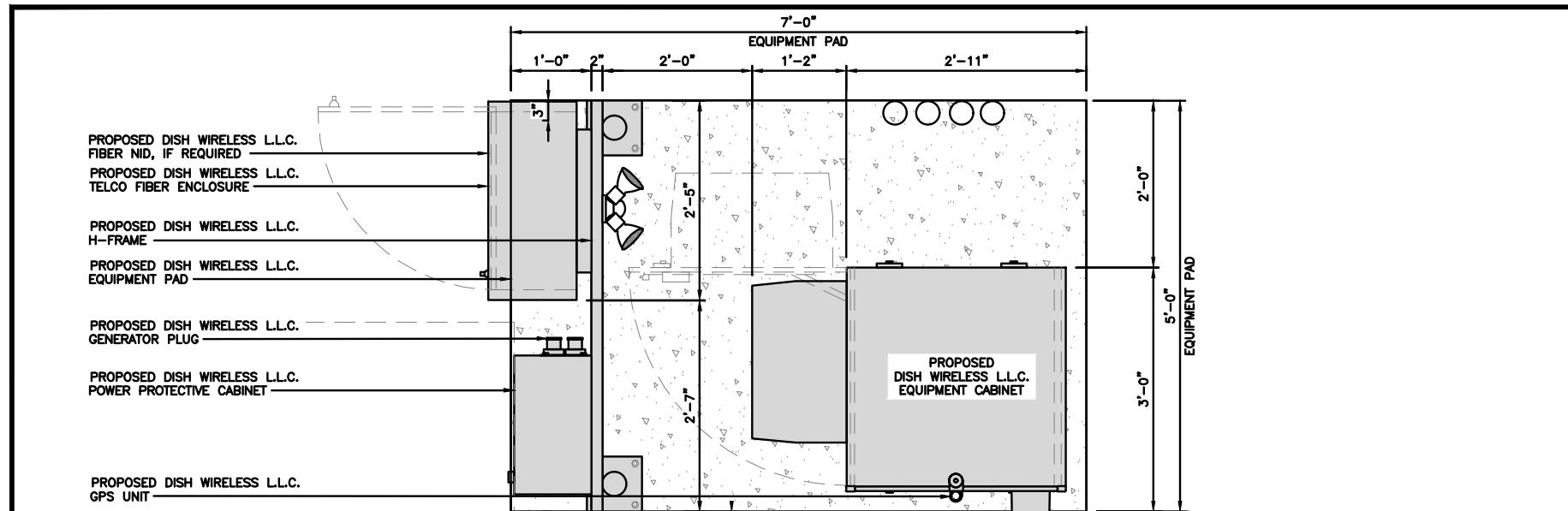
SHEET NUMBER

**A-2.2**

## ANTENNA SCHEDULE

NO SCALE

2



### NOTES

1. CONTRACTOR TO BURY PLATFORM FEET WITH A MINIMUM OF 2" OF FILL PER EXISTING SITE SURFACE
2. WEED BARRIER FABRIC TO BE ADDED AT DISCRETION OF DISH WIRELESS, LLC. CONSTRUCTION MANAGER AT TIME OF CONSTRUCTION. ONE SHEET 8'x8' INSTALLED UNDER ALL FOUR FEET OF THE PLATFORM (4 MIL BLACK PLASTIC)
3. EQUIPMENT CABINET OMITTED FOR CLARITY

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TEP OPCO, LLC C-3267



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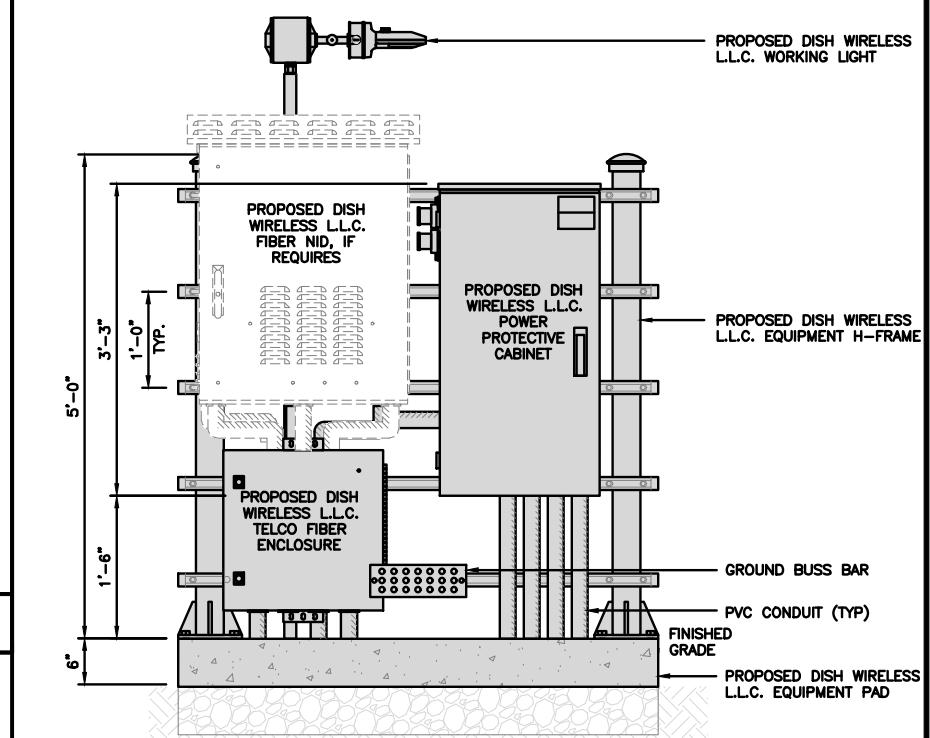
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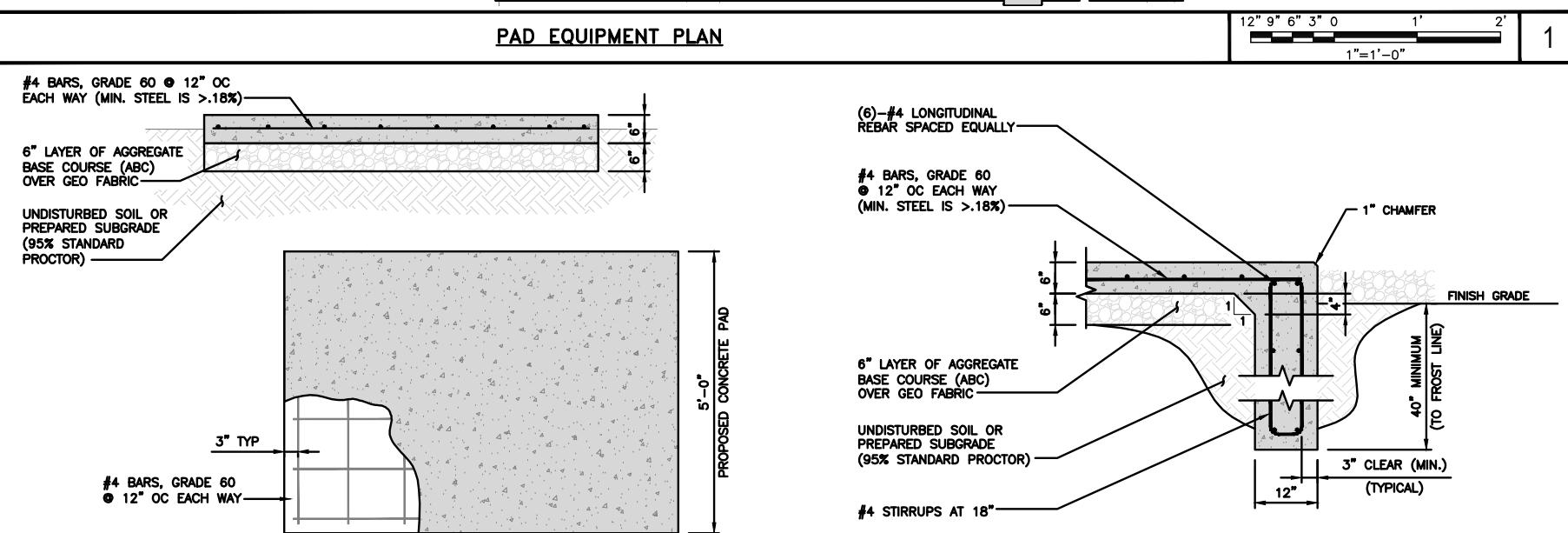
SHEET TITLE  
EQUIPMENT PLATFORM AND  
H-FRAME DETAILS

SHEET NUMBER

A-3

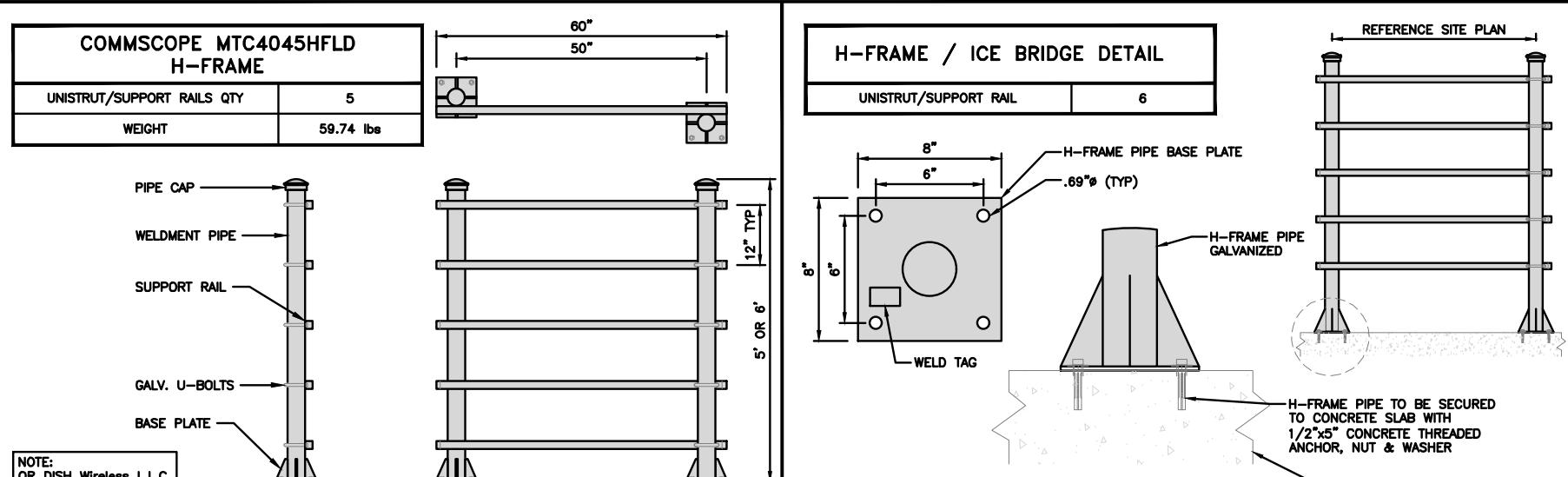


### FRONT ELEVATION



### TYPICAL CONCRETE PAD DETAIL

NO SCALE 2



H-FRAME DETAIL

NO SCALE

3

H-FRAME CONCRETE SLAB INSTALLATION DETAIL

NO SCALE

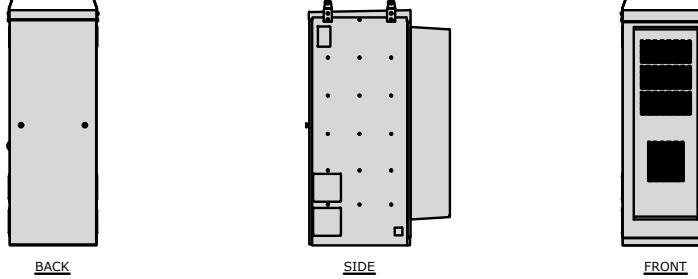
4

H-FRAME EQUIPMENT ELEVATION

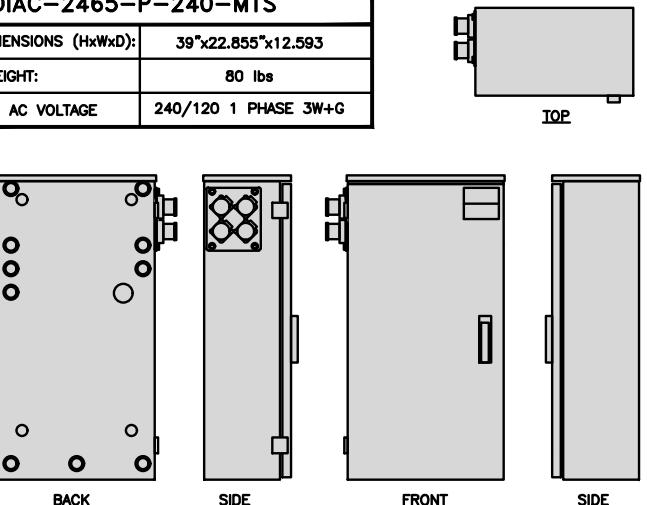
12" 9" 6" 3" 0 1' 2'  
1" = 1'-0"

5

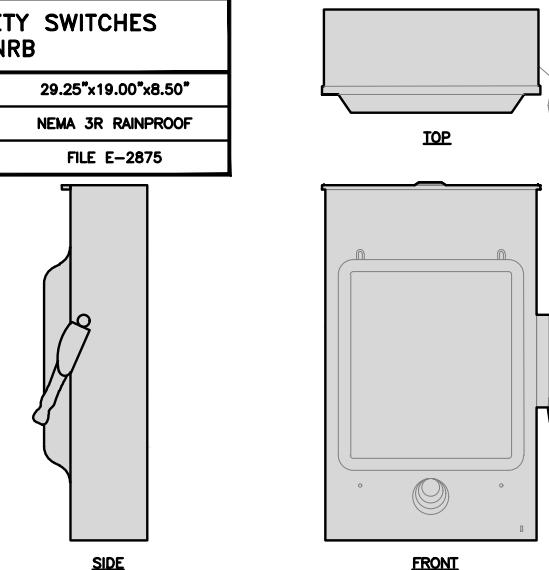
RAYCAP RDIAC-40U23-HEX-B		
DIMENSIONS (HxD):	74" x 27.4" x 44.4"	
WEIGHT:	233.7 lbs	



RAYCAP PPC RDIAC-2465-P-240-MTS		
ENCLOSURE DIMENSIONS (HxD):	39" x 22.855" x 12.593"	
WEIGHT:	80 lbs	
OPERATING AC VOLTAGE	240/120 1 PHASE 3W+G	



SQUARE D SAFETY SWITCHES D224NRB		
ENCLOSURE DIM (HxD):	29.25" x 19.00" x 8.50"	
ENCLOSURE TYPE	NEMA 3R RAINPROOF	
UL LISTED	FILE E-2875	



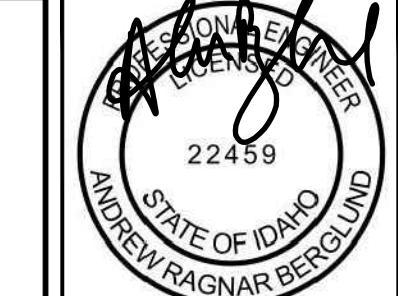
**dish**  
wireless.

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February 21, 2025

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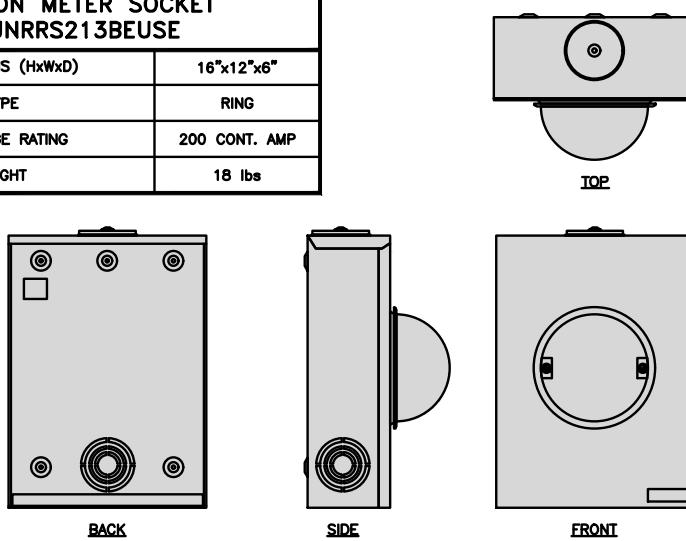
DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

SHEET TITLE  
EQUIPMENT DETAILS

SHEET NUMBER

A-4

EATON METER SOCKET UNRRS213BEUSE		
DIMENSIONS (HxD):	16" x 12" x 6"	
TYPE	RING	
AMPERAGE RATING	200 CONT. AMP	
WEIGHT	18 lbs	

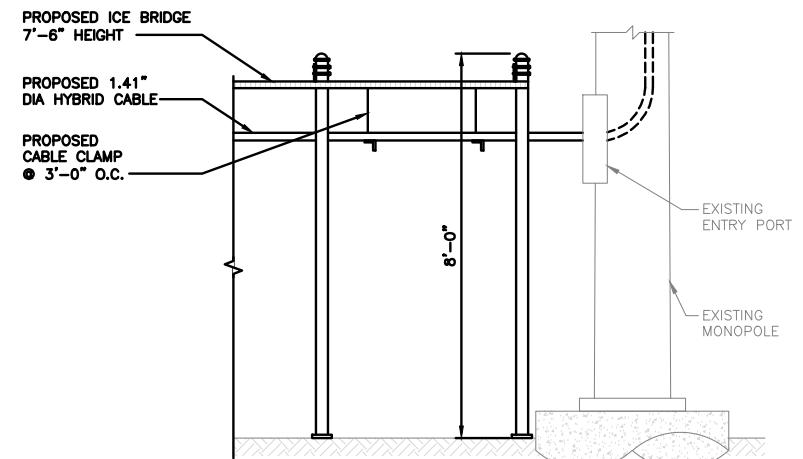


### METER MOUNTING DETAIL

NO SCALE 4

NO SCALE 5

NO SCALE 6



### POWER PROTECTION CABINET (PPC) DETAIL

NO SCALE 2

NO SCALE 3

NO SCALE 4

NO SCALE 5

NO SCALE 6

NO SCALE 7

NO SCALE 8

NO SCALE 9

NO SCALE 10

NO SCALE 11

NO SCALE 12

NO SCALE 13

NO SCALE 14

NO SCALE 15

NO SCALE 16

NO SCALE 17

NO SCALE 18

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NO SCALE 100

NO SCALE 101

NO SCALE 102

NO SCALE 103

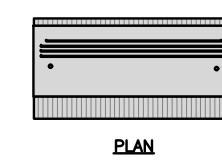
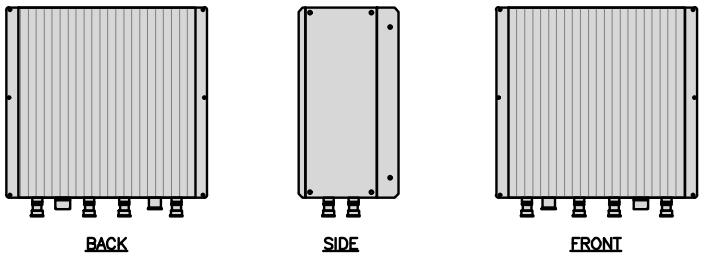
NO SCALE 104

NO SCALE 105

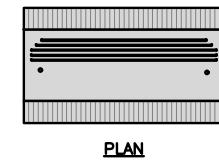
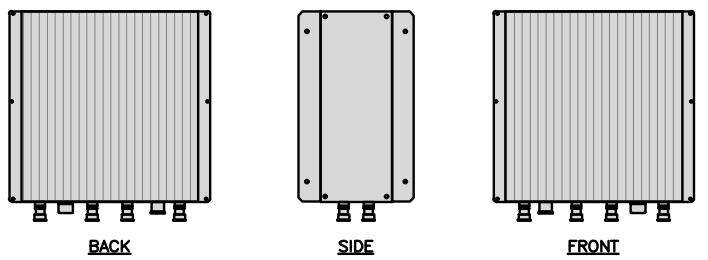
NO SCALE 106

NO SCALE 107

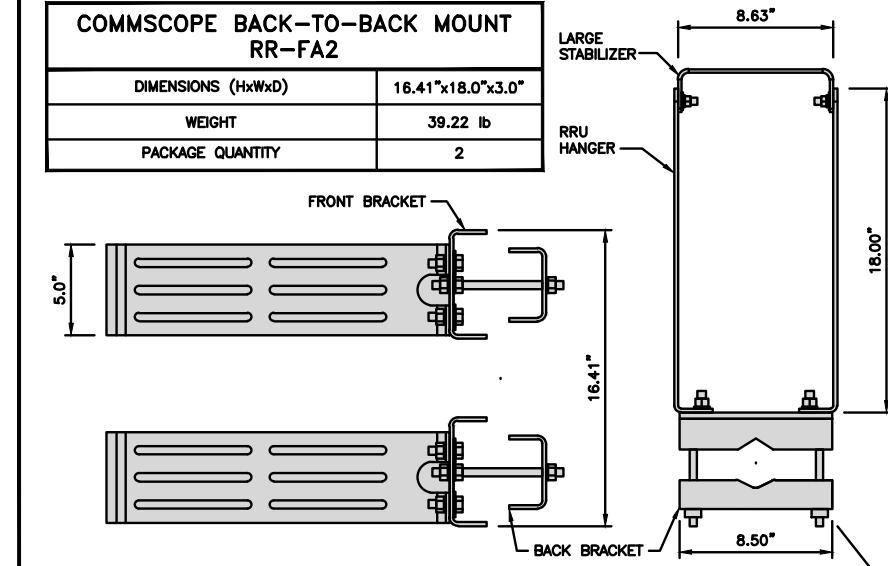
FUJITSU DUAL BAND TA08029-B130	
DIMENSIONS (HxWxD)	15.0" x 15.8" x 9.5"
WEIGHT	79.4 lbs
CONNECTOR TYPE	4.3-10 RF CONNECTOR
POWER SUPPLY	



FUJITSU TRIPLE BAND TA08029-B129	
DIMENSIONS (HxWxD)	15.0" x 15.8" x 7.9"
WEIGHT	66.1 lbs
CONNECTOR TYPE	4.3-10 RF CONNECTOR
POWER SUPPLY	



COMMSCOPE BACK-TO-BACK MOUNT RR-FA2	
DIMENSIONS (HxWxD)	16.41" x 18.0" x 3.0"
WEIGHT	39.22 lb
PACKAGE QUANTITY	2



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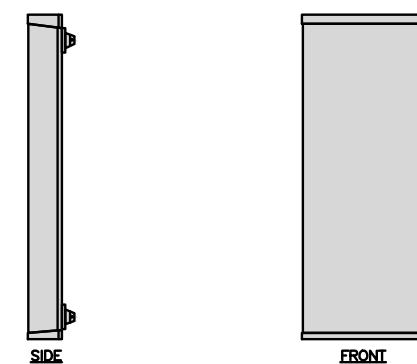
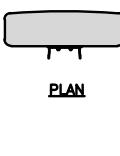
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EQUIPMENT DETAILS

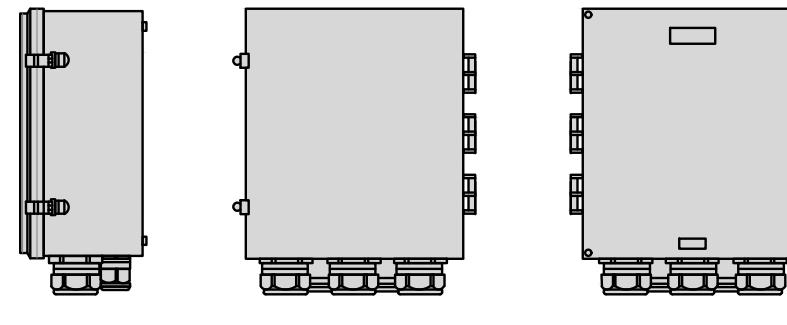
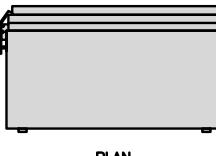
SHEET NUMBER

**A-5**

CELLMAX 12044x CMA-UBTULBULBHH/6516/16/21/21	
DIMENSIONS (HxWxD)(MM/IN)	1840x680x196 72.4" x 26.7" x 7.7"
TOTAL WEIGHT (kg/lb)	48 kg/105 lbs
CONNECTORS	8 x 4.3-10 FEMALE



RAYCAP RDIDC-9181-PF-48 DC SURGE PROTECTION (OVP)	
DIMENSIONS (HxWxD)	18.98" x 14.39" x 8.15"
WEIGHT	21.82 LBS

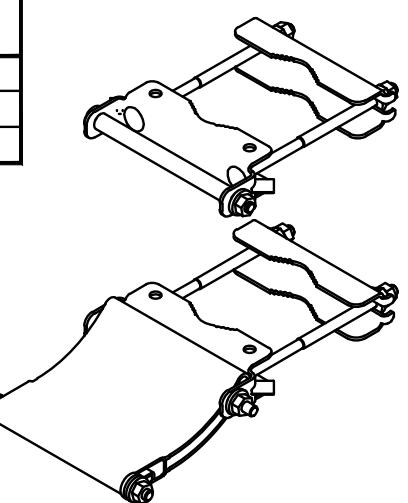


**SURGE SUPPRESSION DETAIL**

NO SCALE

7

CELLMAX ANTENNA BRACKET	
ANTENNAS	12044x / 12045x
BRACKET PART #	CA325482 / CA325484
TILT BRACKET WEIGHT	6.61 lbs

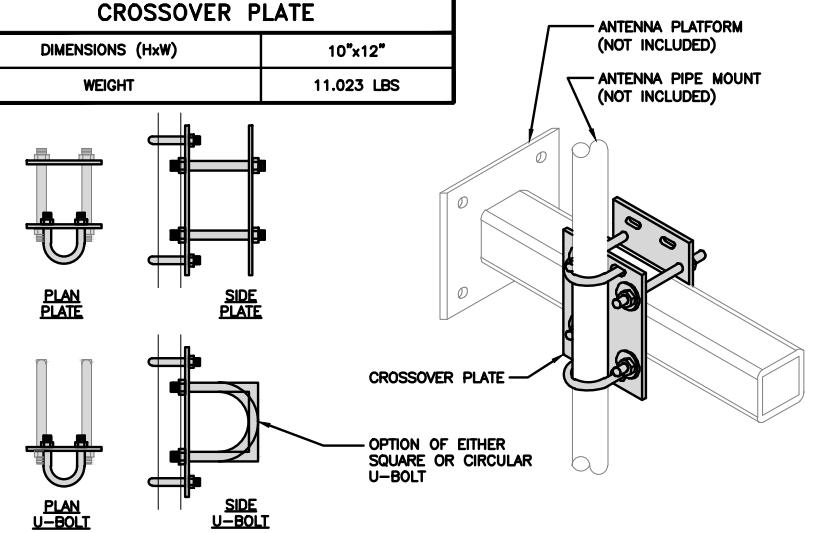


NOTE:  
OR DISH Wireless L.L.C.  
APPROVED EQUIVALENT

ANTENNA DETAIL	
NO SCALE	4

ANTENNA BRACKET DETAIL	
NO SCALE	5

COMMSCOPE XP-2040 CROSSOVER PLATE	
DIMENSIONS (HxW)	10" x 12"
WEIGHT	11.023 LBS



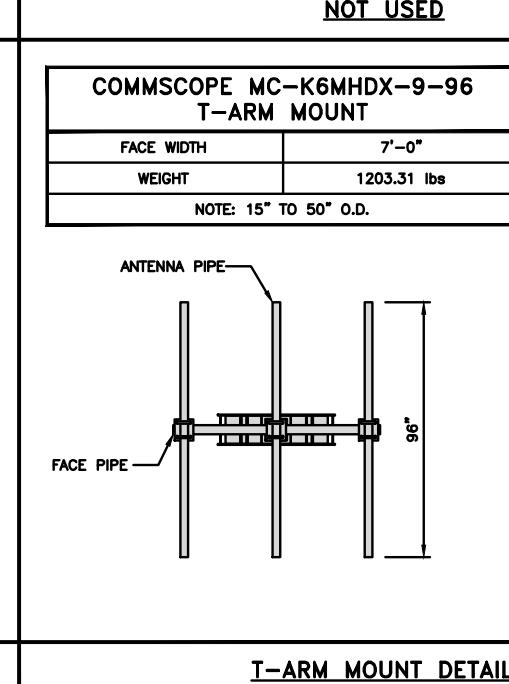
**RRH/OVP MOUNT DETAIL**

NO SCALE

8

NOT USED	
NO SCALE	6

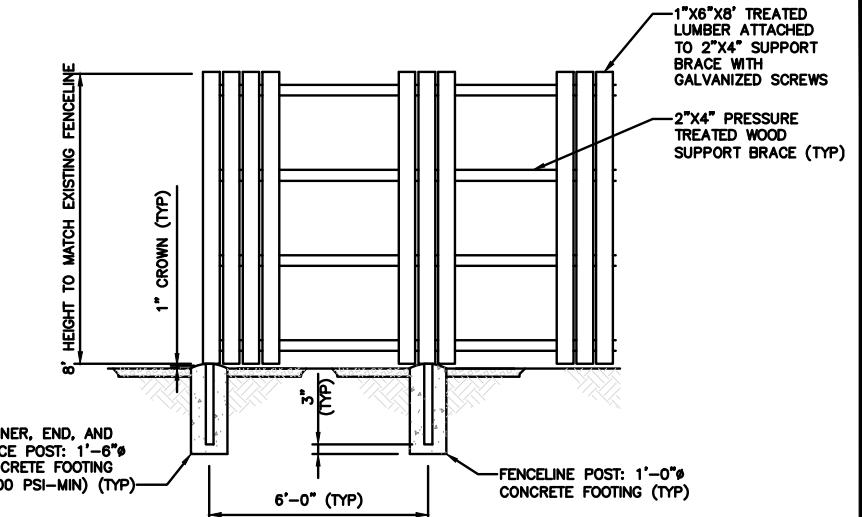
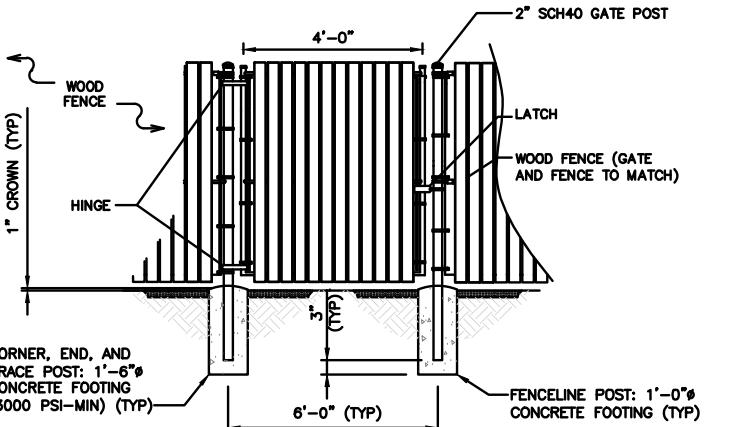
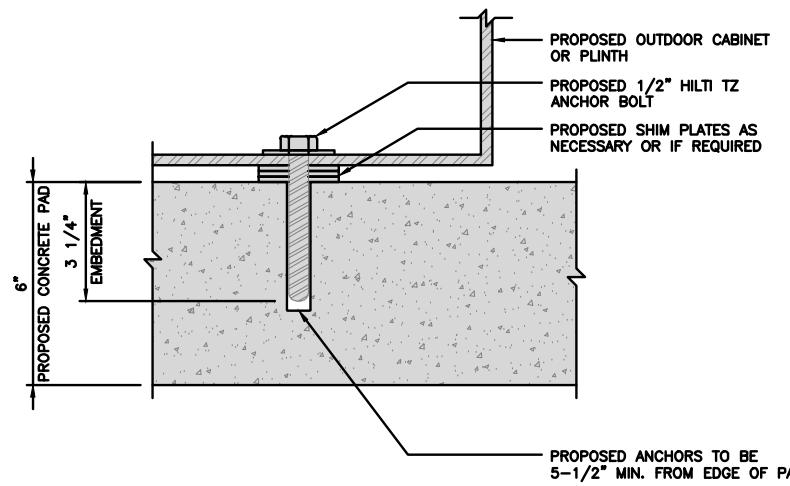
COMMSCOPE MC-K6MHDX-9-96 T-ARM MOUNT	
FACE WIDTH	7'-0"
WEIGHT	1203.31 lbs
NOTE: 15" TO 50" O.D.	



**T-ARM MOUNT DETAIL**

NO SCALE

9



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SHEET TITLE  
EQUIPMENT DETAILS

SHEET NUMBER

A-6

**TYPICAL OUTDOOR EQUIPMENT TO CONCRETE SLAB ANCHORAGE**

NO SCALE

1

**TYPICAL WOOD GATE DETAIL**

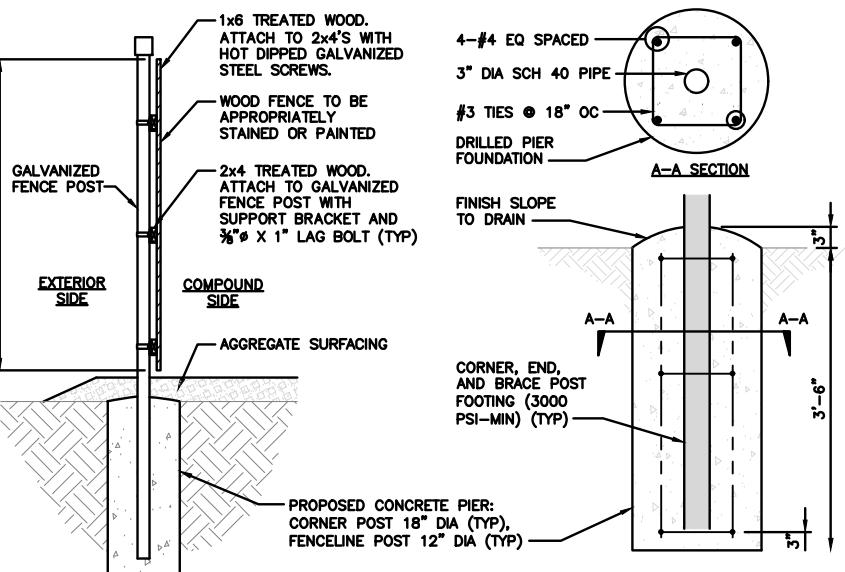
NO SCALE

2

**TYPICAL WOOD FENCE DETAIL**

NO SCALE

3



**TYPICAL WOOD FENCE & CONCRETE PIER SECTION**

NO SCALE

4

**NOT USED**

NO SCALE

5

**NOT USED**

NO SCALE

6

**NOT USED**

NO SCALE

7

**NOT USED**

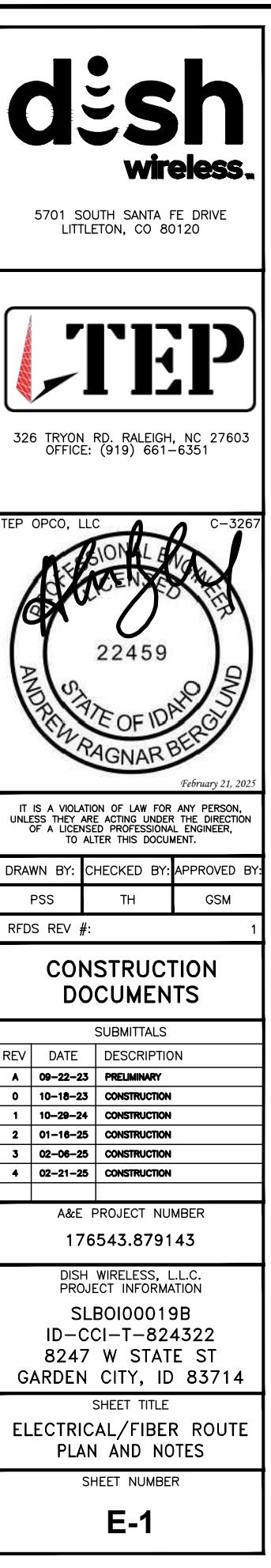
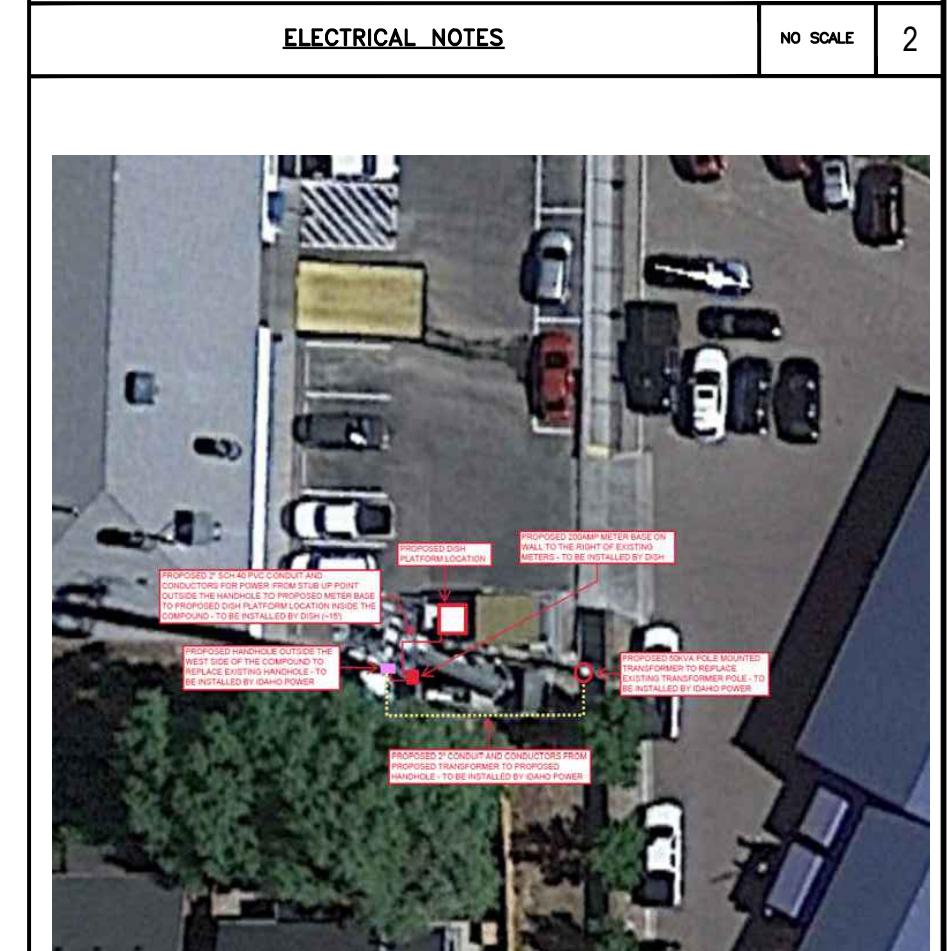
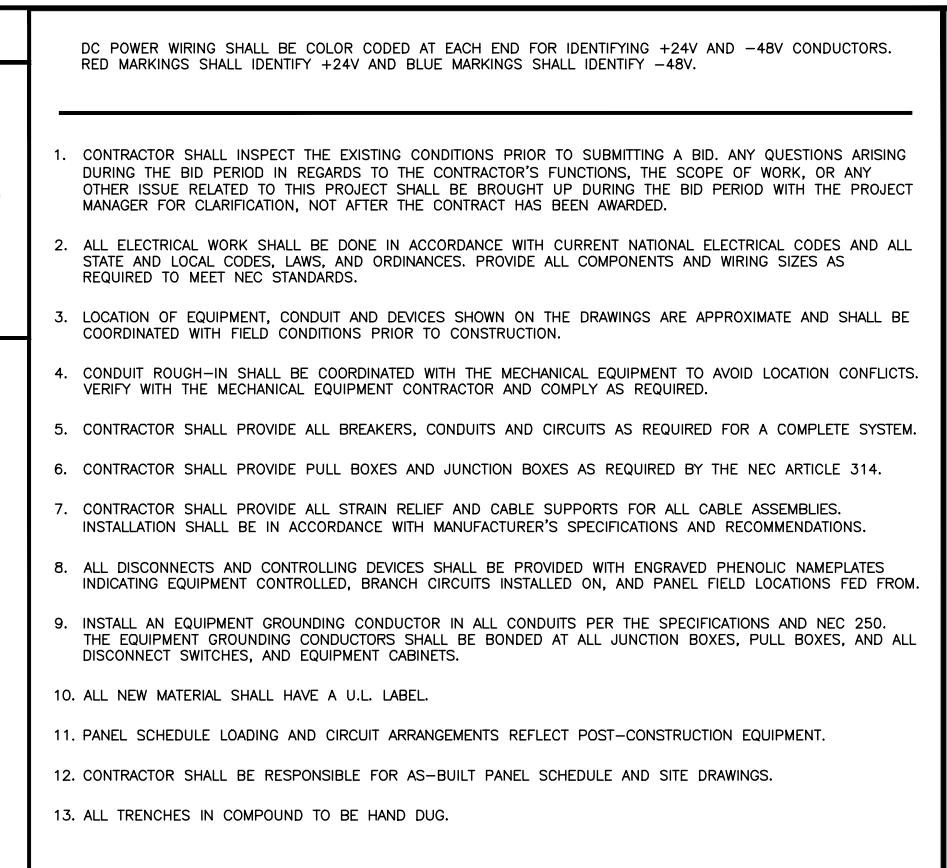
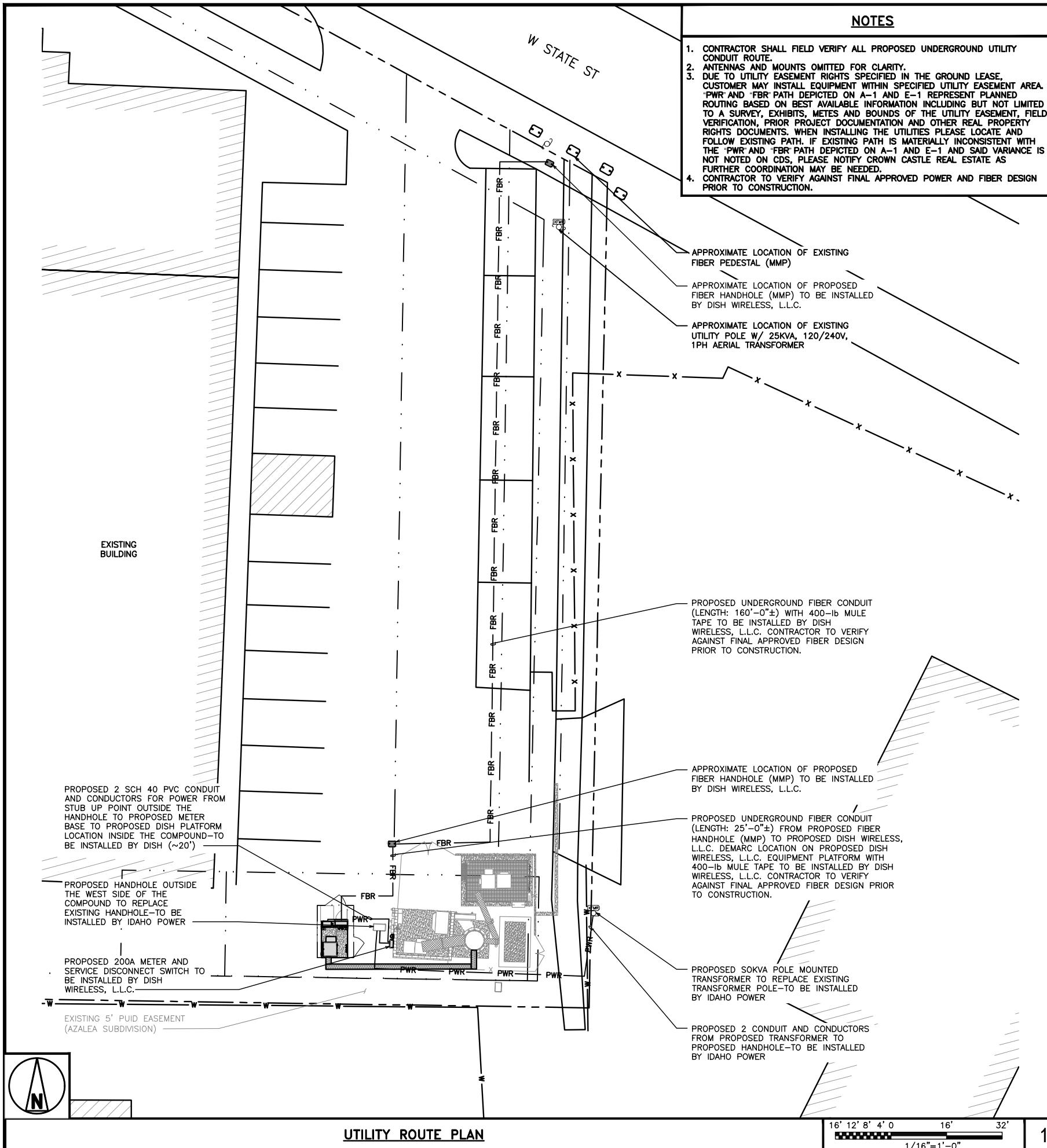
NO SCALE

8

**NOT USED**

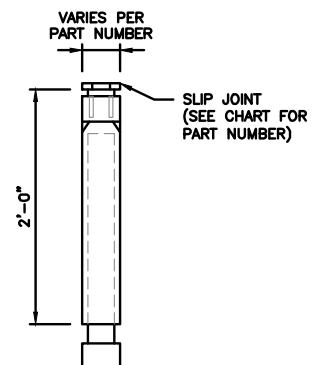
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9



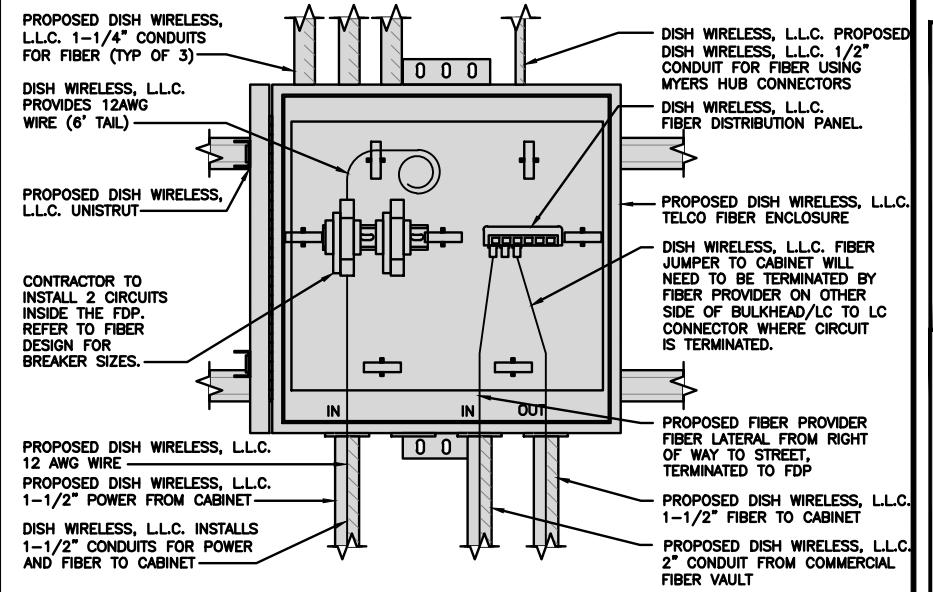
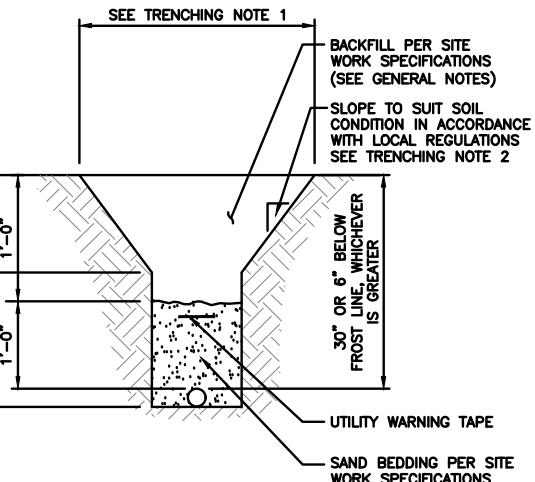
CARLON EXPANSION FITTINGS				
COUPLING END PART#	MALE TERMINAL ADAPTER END PART#	SIZE	STD CNT QTY.	TRAVEL LENGTH
E945D	E945DX	1/2"	20	4"
E945E	E945EX	3/4"	15	4"
E945F	E945FX	1"	10	4"
E945G	E945GX	1 1/4"	5	4"
E945H	E945HX	1 1/2"	5	4"
E945J	E945JX	2"	15	8"
E945K	E945KX	2 1/2"	10	8"
E945L	E945LX	3"	10	8"
E945M	E945MX	3 1/2"	5	8"
E945N	E945NX	4"	5	8"
E945P	E945PX	5"	1	8"
E945R	E945RX	6"	1	8"

NOTE: CONTRACTOR TO INSTALL EXPANSION FITTING SLIP JOINT AT METER CENTER CONDUIT TERMINATION, AS PER LOCAL UTILITY POLICY, ORDINANCE AND/OR SPECIFIED REQUIREMENT.



#### TRENCHING NOTES

1. CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION.
2. TRENCHING SAFETY; INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT OSHA TRENCHING AND EXCAVATION SAFETY STANDARDS.
3. ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION, WHICHEVER IS THE MOST STRINGENT.



**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**  
326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351

TEP OPCO, LLC C-3267



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A&E PROJECT NUMBER  
176543.879143

DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

SHEET TITLE  
ELECTRICAL DETAILS

SHEET NUMBER

E-2

#### EXPANSION JOINT DETAIL

NO SCALE

1

#### TYPICAL UNDERGROUND TRENCH DETAIL

NO SCALE

2

#### DARK TELCO BOX - INTERIOR WIRING LAYOUT

NO SCALE

3

#### LIT TELCO BOX - INTERIOR WIRING LAYOUT (OPTIONAL)

NO SCALE

4

#### NOT USED

NO SCALE

5

#### NOT USED

NO SCALE

6

NOT USED

NO SCALE

7

NOT USED

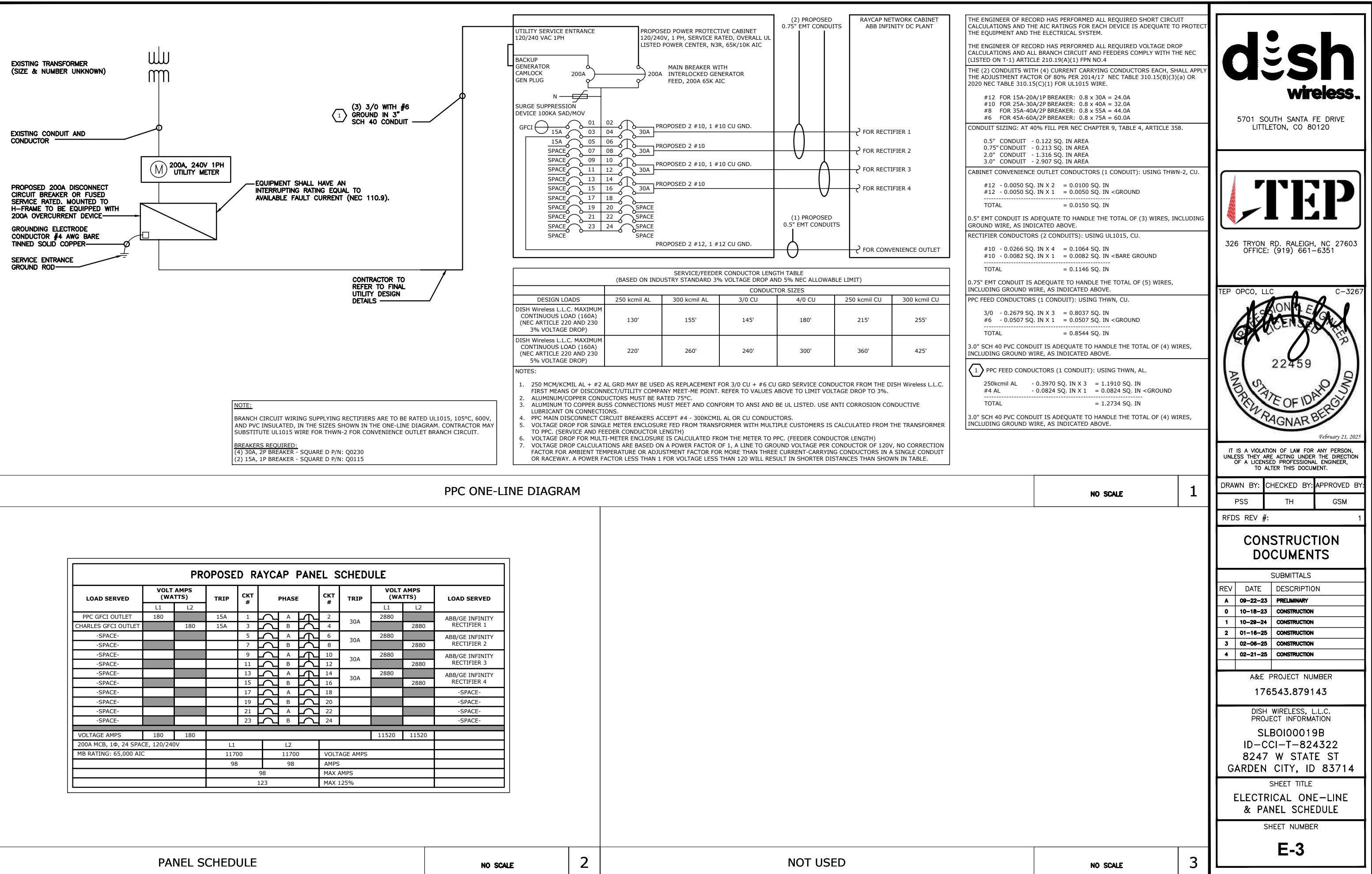
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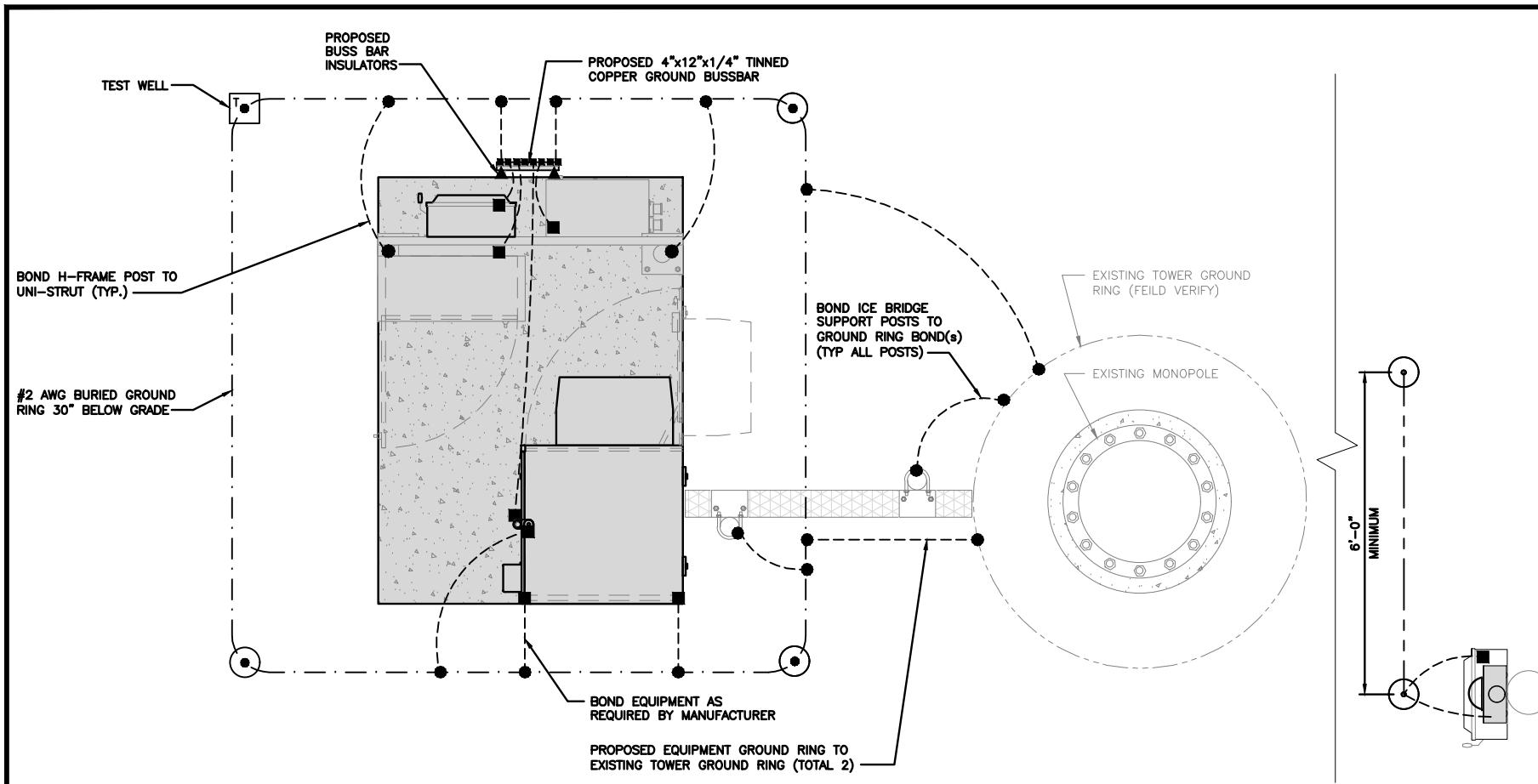
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NOT USED

NO SCALE

9

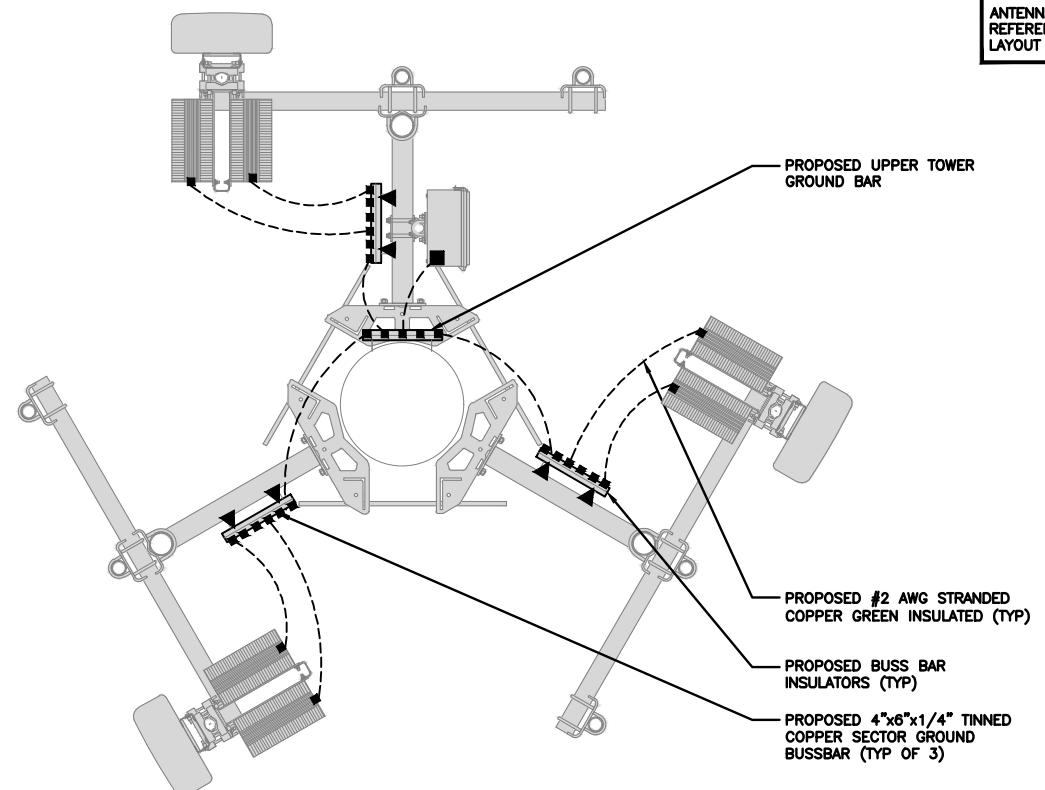




TYPICAL EQUIPMENT GROUNDING PLAN

NO SCALE

1



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE

2

GROUNDING KEY NOTES

● EXOTHERMIC CONNECTION	TEST GROUND ROD WITH INSPECTION SLEEVE
■ MECHANICAL CONNECTION	#2 AWG SOLID & INSULATED
— GROUND BUS BAR	— #2 AWG SOLID COPPER TINNED
○ GROUND ROD	▲ BUSS BAR INSULATOR

#### 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, L.L.C. GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
3. ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

#### GROUNDING KEY NOTES

- (A) 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 INSULATED CONDUCTOR.
- (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 BUILDING.
- (E) 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) EXTERIOR CABLE ENTRY PORT GROUND BARS: 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 INSPECTION SLEEVE.
- (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 EQUIPMENT'S METAL FRAMEWORK.
- (K) INTERIOR UNIT BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITHIN 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) EXTERIOR UNIT BONDS: 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 GROUND RING.
- (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.

**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**  
326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351



February 21, 2025

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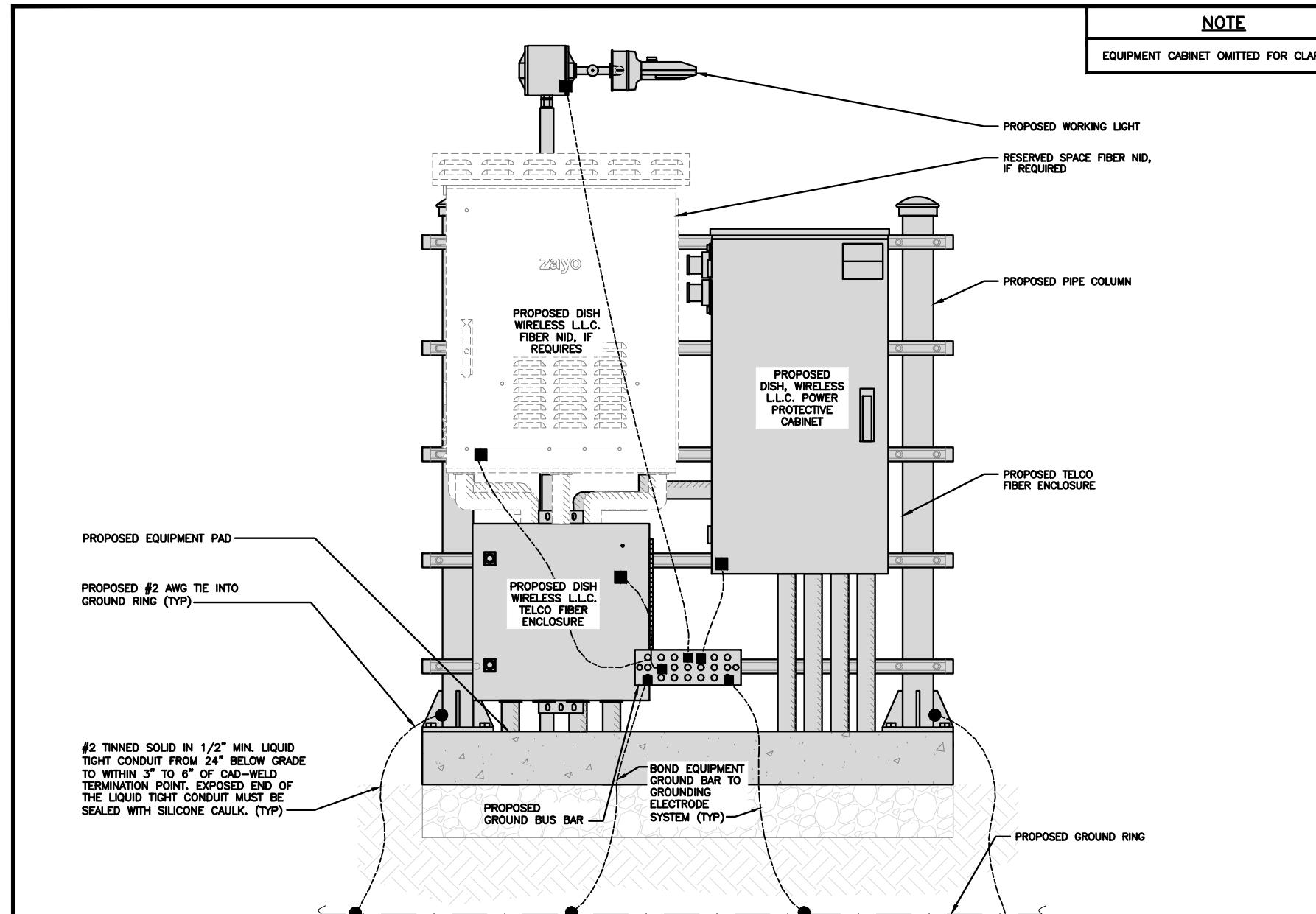
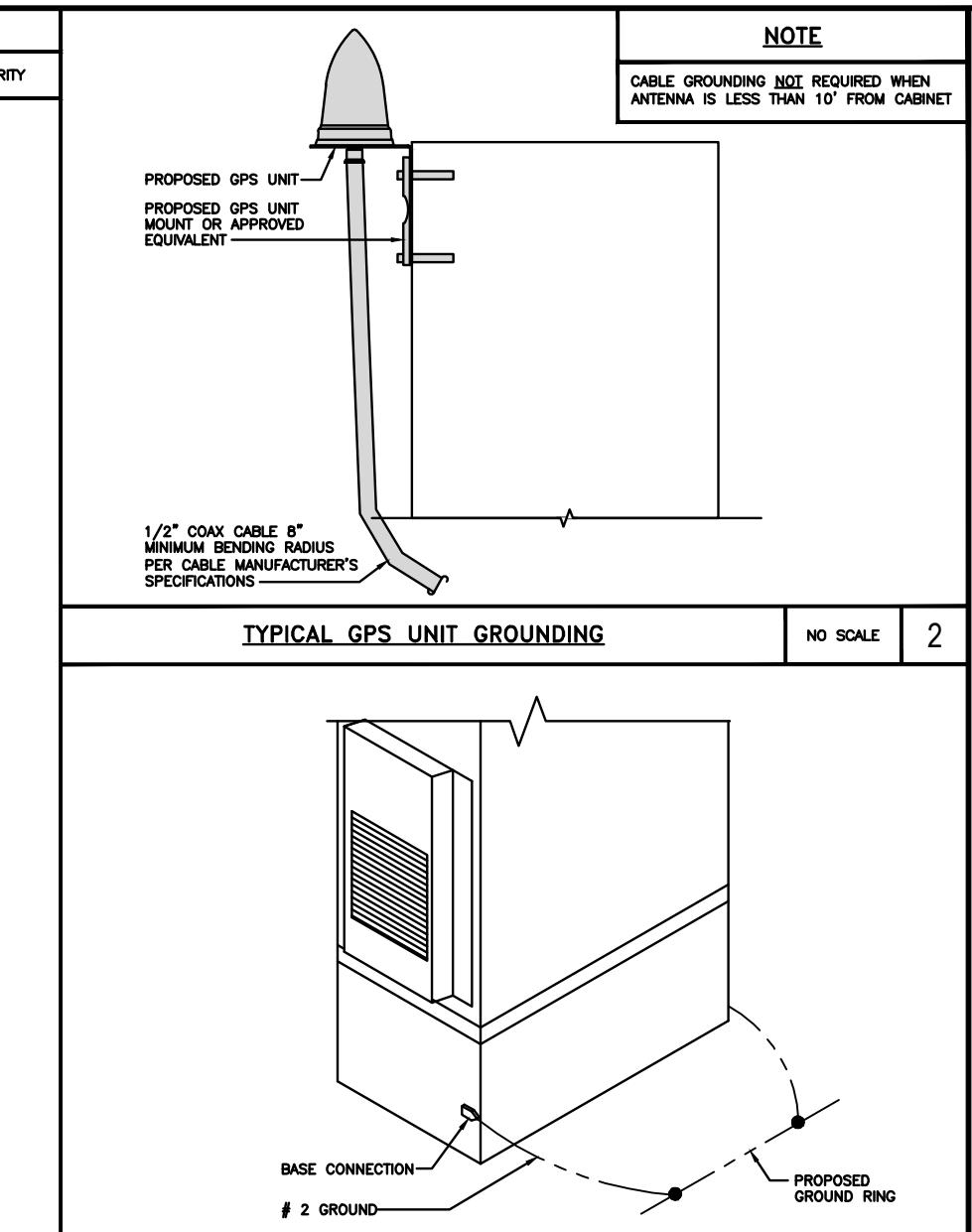
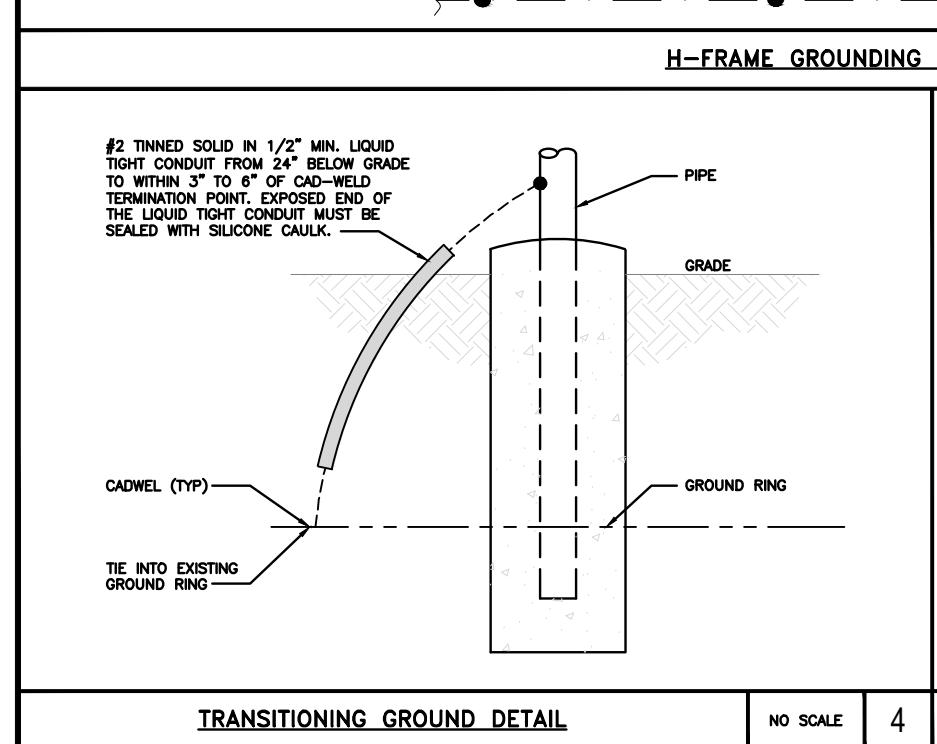
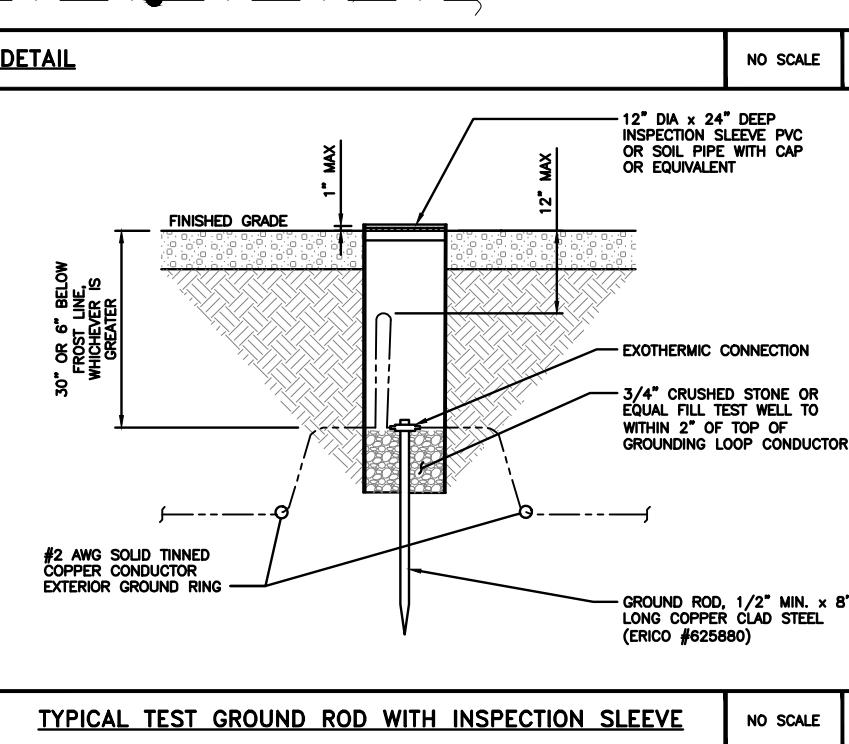
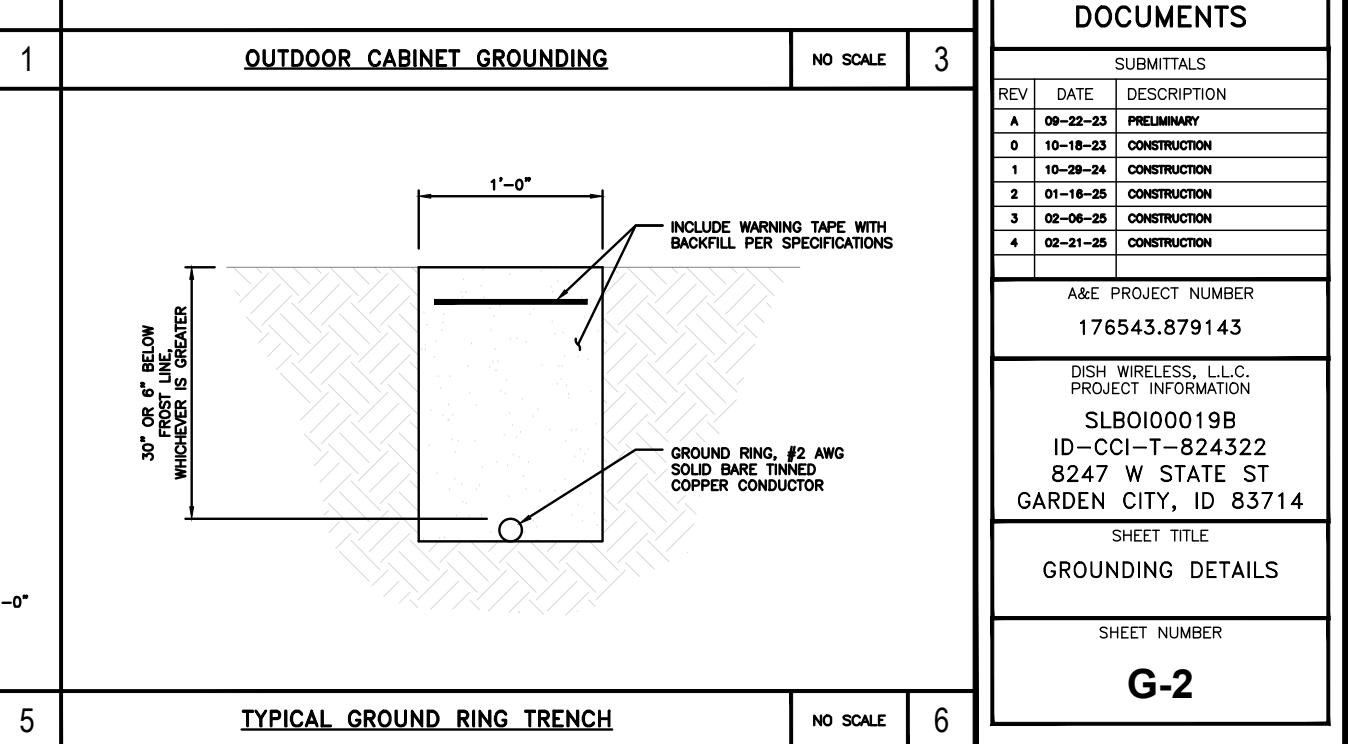
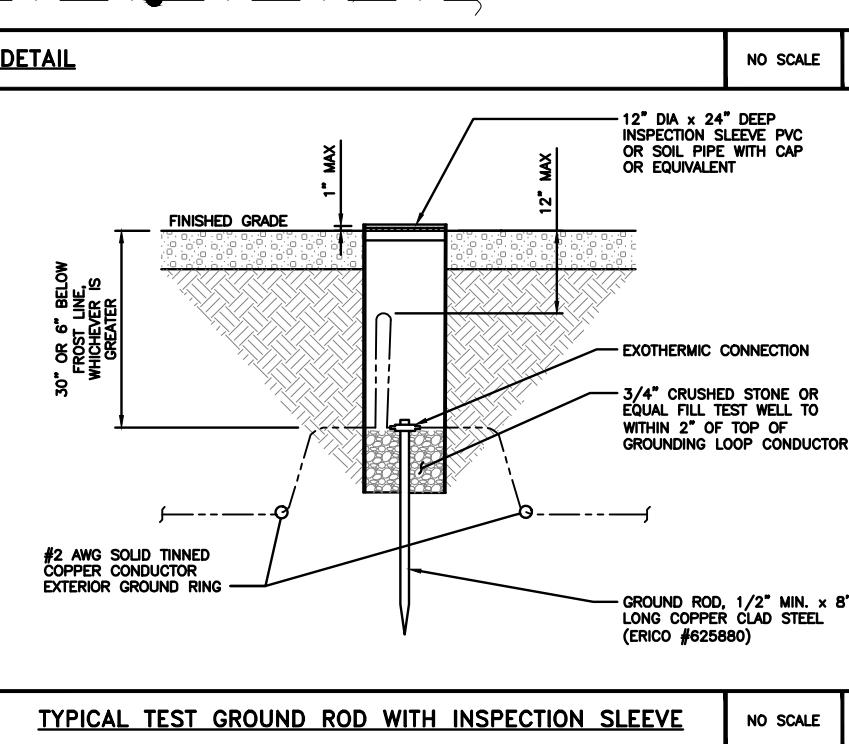
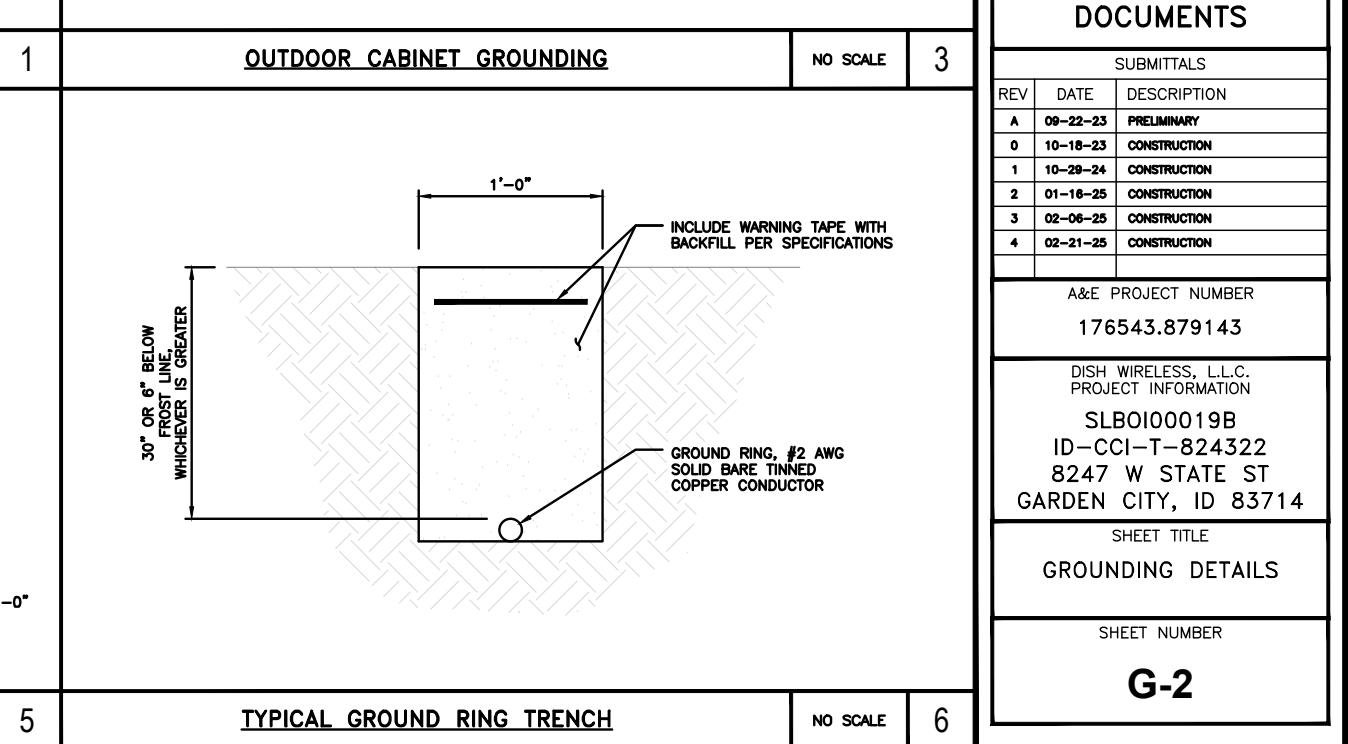
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SHEET TITLE  
GROUNDING DETAILS

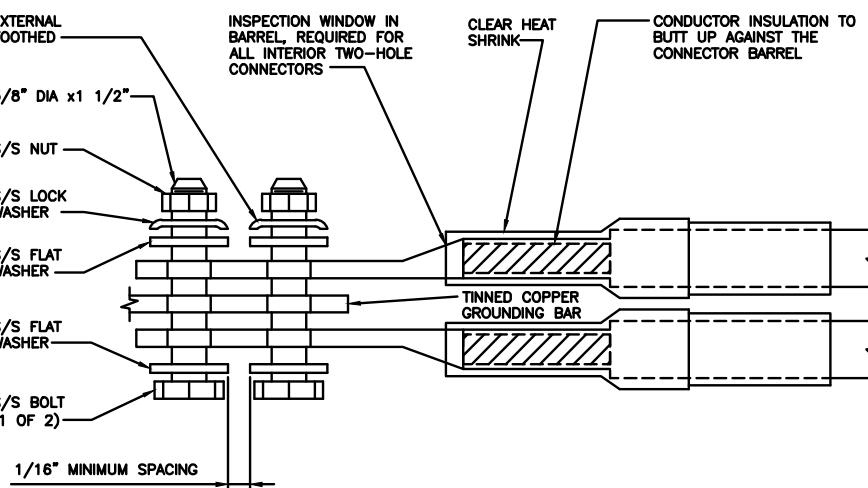
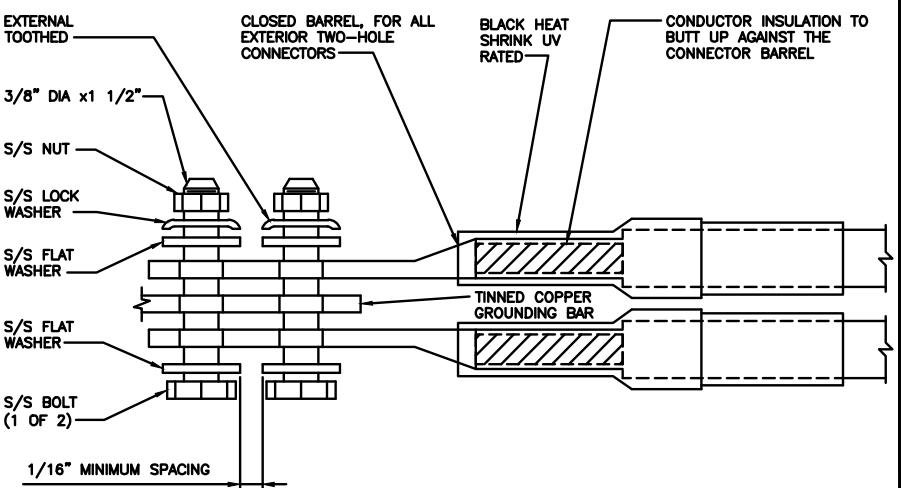
SHEET NUMBER  
G-1

NO SCALE

3

	<p><b>NOTE</b> EQUIPMENT CABINET OMITTED FOR CLARITY</p> <p><b>NOTE</b> CABLE GROUNDING NOT REQUIRED WHEN ANTENNA IS LESS THAN 10' FROM CABINET</p> 	<p><b>dish wireless.</b> 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120</p> <p><b>TEP</b> 326 TRYON RD, RALEIGH, NC 27603 OFFICE: (919) 661-6351</p> <p>TEP OPCO, LLC C-3267 PROFESSIONAL ENGINEER LICENCED 22459 STATE OF IDAHO ANDREW RAGNAR BERGLUND February 21, 2025</p> <p>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.</p> <p>DRAWN BY: CHECKED BY: APPROVED BY: PSS TH GSM RFDS REV #: 1</p> <p><b>CONSTRUCTION DOCUMENTS</b></p> <p><b>SUBMITTALS</b></p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>09-22-23</td> <td>PRELIMINARY</td> </tr> <tr> <td>0</td> <td>10-18-23</td> <td>CONSTRUCTION</td> </tr> <tr> <td>1</td> <td>10-29-24</td> <td>CONSTRUCTION</td> </tr> <tr> <td>2</td> <td>01-16-25</td> <td>CONSTRUCTION</td> </tr> <tr> <td>3</td> <td>02-06-25</td> <td>CONSTRUCTION</td> </tr> <tr> <td>4</td> <td>02-21-25</td> <td>CONSTRUCTION</td> </tr> </tbody> </table> <p><b>A&amp;E PROJECT NUMBER</b> 176543.879143</p> <p><b>DISH WIRELESS, LLC. PROJECT INFORMATION</b> SLBOI00019B ID-CCI-T-824322 8247 W STATE ST GARDEN CITY, ID 83714</p> <p><b>SHEET TITLE</b> GROUNDING DETAILS</p> <p><b>SHEET NUMBER</b> G-2</p>	REV	DATE	DESCRIPTION	A	09-22-23	PRELIMINARY	0	10-18-23	CONSTRUCTION	1	10-29-24	CONSTRUCTION	2	01-16-25	CONSTRUCTION	3	02-06-25	CONSTRUCTION	4	02-21-25	CONSTRUCTION
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<p><b>H-FRAME GROUNDING DETAIL</b></p> <p><b>NO SCALE</b> 1</p> 	<p><b>OUTDOOR CABINET GROUNDING</b></p> <p><b>NO SCALE</b> 3</p> 	<p><b>TRANSITIONING GROUND DETAIL</b></p> <p><b>NO SCALE</b> 4</p> 																					
<p><b>TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE</b></p> <p><b>NO SCALE</b> 5</p> 	<p><b>TYPICAL GROUND RING TRENCH</b></p> <p><b>NO SCALE</b> 6</p> 																						

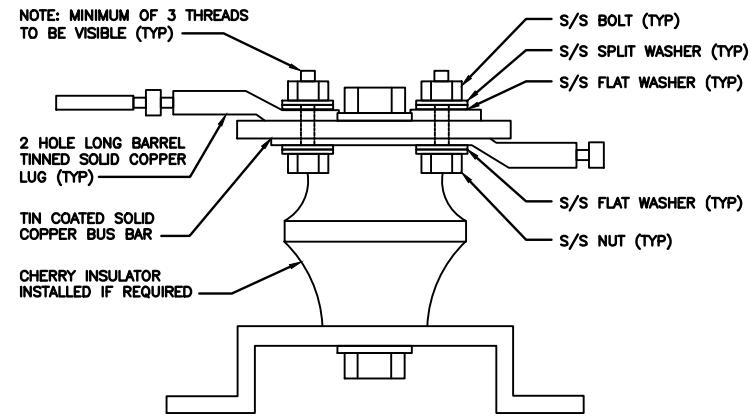
1. EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUNDING BUS.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
8. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).



**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**  
326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351

<u>TYPICAL GROUNDING NOTES</u>	NO SCALE	1	<u>TYPICAL EXTERIOR TWO HOLE LUG</u>	NO SCALE	2	<u>TYPICAL INTERIOR TWO HOLE LUG</u>	NO SCALE	3
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<u>LUG DETAIL</u>	NO SCALE	4	<u>NOT USED</u>	NO SCALE	5	<u>NOT USED</u>	NO SCALE	6
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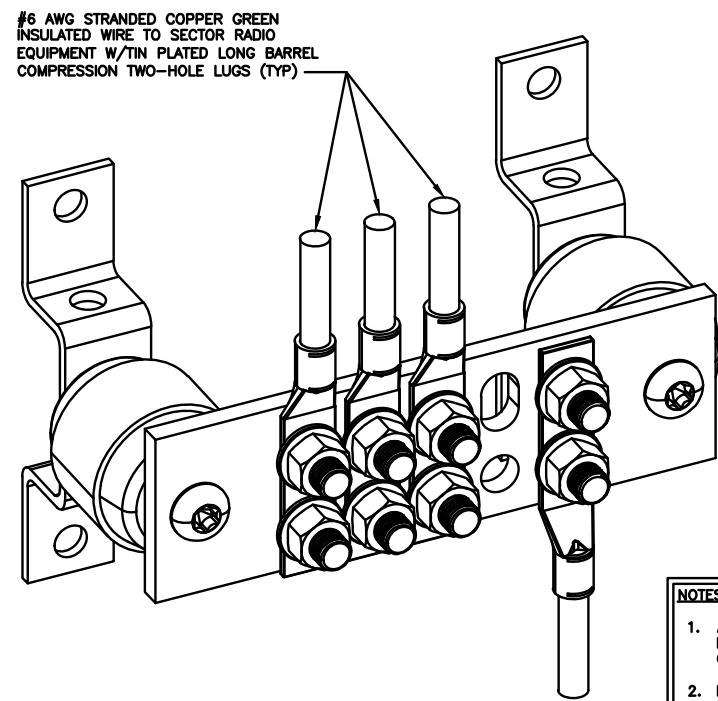
### SHEET TITLE

GROUNDING DETAILS

### SHEET NUMBER

**G-3**

<u>NOT USED</u>	NO SCALE	7	<u>NOT USED</u>	NO SCALE	8	<u>NOT USED</u>	NO SCALE	9
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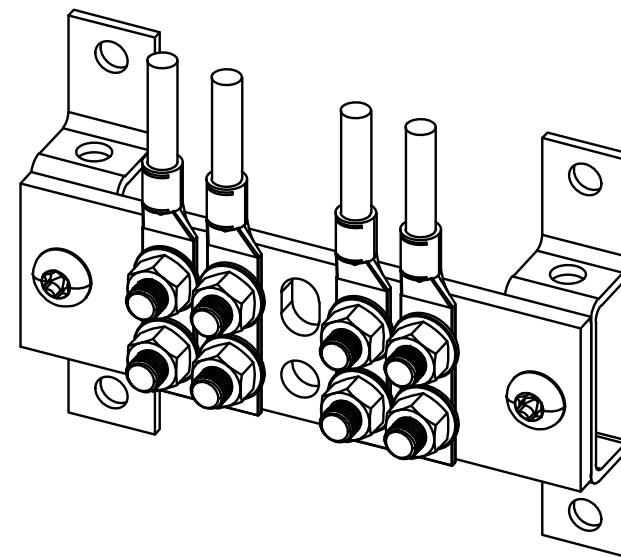
NOTES:

1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL INCLUDING WASHERS. COAT ALL SURFACES WITH NO-OX COMPOUND BEFORE MATING.
2. IF BONDING TO STEEL, INSERT A TOOTH WASHER BETWEEN LUG AND STEEL AND COAT ALL SURFACE WITH NO-OX COMPOUND.
3. USE A THIN COAT OF NO-OX OR UL LISTED ANTIODANT COMPOUND BETWEEN GROUNDING CONNECTIONS.

SECTOR GROUND BUSBAR DETAIL

NO SCALE

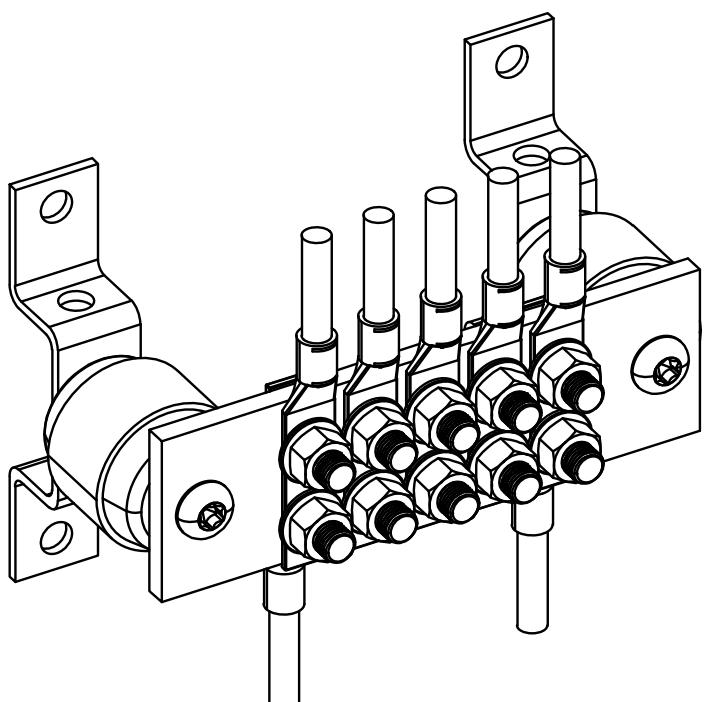
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UPPER TOWER GROUND BUSBAR DETAIL

NO SCALE

2



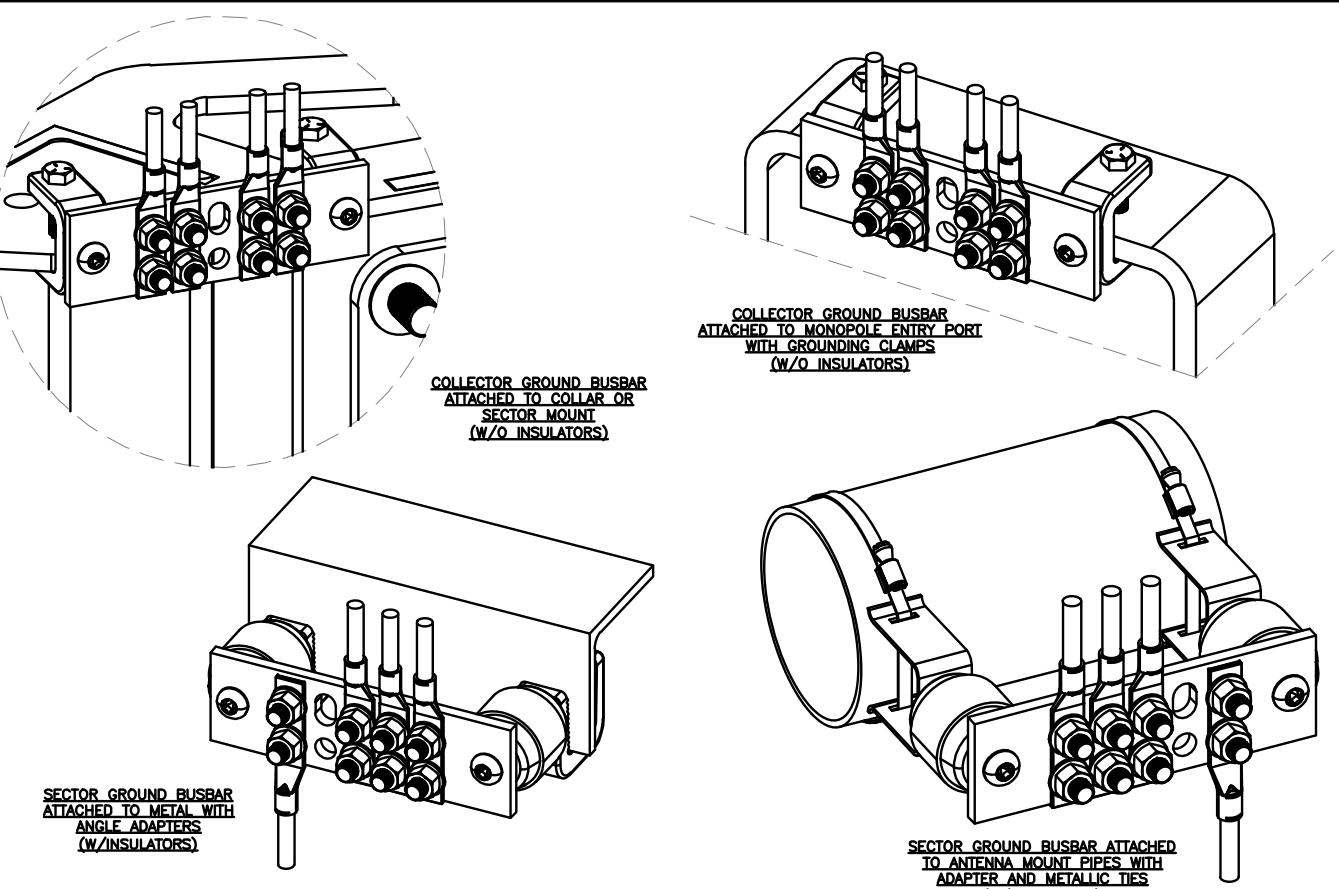
NOTES:

1. IN CASES OF SHEATHED STRANDED WIRES, CONNECTOR SHALL HAVE INSPECTION WINDOW AND NO MORE THAN 1/8" GAP BETWEEN CONNECTOR BODY AND SHEATH.

EQUIPMENT GROUND BUSBAR DETAIL

NO SCALE

3



GROUND BUSBAR ATTACHMENT OPTIONS

NO SCALE

4

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**GROUNDING DETAILS**

**SHEET NUMBER**

**G-4**

HYBRID/DISCREET CABLES											
3/4" TAPE WIDTHS WITH 3/4" SPACING											
<b>LOW-BAND RRH</b> (600 MHz N71 BASEBAND) + (850 MHz N26 BAND) + (700 MHz N29 BAND) - OPTIONAL PER MARKET  ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BAND)											
<b>MID-BAND RRH</b> (AWS BANDS N66+N70)  ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BAND)											
<b>HYBRID/DISCREET CABLES</b> INCLUDE SECTOR BANDS BEING SUPPORTED ALONG WITH FREQUENCY BANDS.  EXAMPLE 1 - HYBRID, OR DISCREET, SUPPORTS ALL SECTORS, BOTH LOW-BANDS AND MID-BANDS.  EXAMPLE 2 - HYBRID, OR DISCREET, SUPPORTS CBRS ONLY, ALL SECTORS.  EXAMPLE 3 - MAIN COAX WITH GROUND MOUNTED RRHs.											
<b>FIBER JUMPERS TO RRHs</b> LOW-BAND HHR FIBER CABLES HAVE SECTOR STRIPE ONLY.											
<b>POWER CABLES TO RRHs</b> LOW-BAND RRH POWER CABLES HAVE SECTOR STRIPE ONLY											
<b>RET MOTORS AT ANTENNAS</b> RET CONTROL IS HANDLED BY THE MID-BAND RRH WHEN ONE SET OF RET PORTS EXIST ON ANTENNA.  SEPARATE RET CABLES ARE USED WHEN ANTENNA PORTS PROVIDE INPUTS FOR BOTH LOW AND MID BANDS.											
<b>MICROWAVE RADIO LINKS</b> LINKS WILL HAVE A 1.5-2 INCH WHITE WRAP WITH THE AZIMUTH COLOR OVERLAPPING IN THE MIDDLE. ADD ADDITIONAL SECTOR COLOR BANDS FOR EACH ADDITIONAL MW RADIO.  MICROWAVE CABLES WILL REQUIRE P-TOUCH LABELS INSIDE THE CABINET TO IDENTIFY THE LOCAL AND REMOTE SITE ID's.											

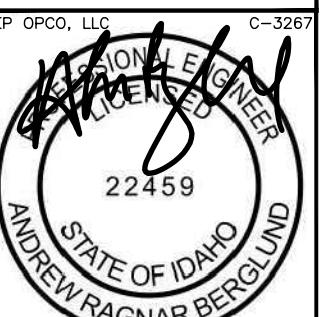
LOW BANDS (N71+N26) OPTIONAL - (N29)	AWS (N66+N70+H-BLOCK)
ORANGE	PURPLE
CBRS TECH (3 GHz)	WHITE
NEGATIVE SLANT PORT ON ANT/RRH	WHITE
ALPHA SECTOR	BETA SECTOR
RED	BLUE
GREEN	
<u>COLOR IDENTIFIER</u>	2



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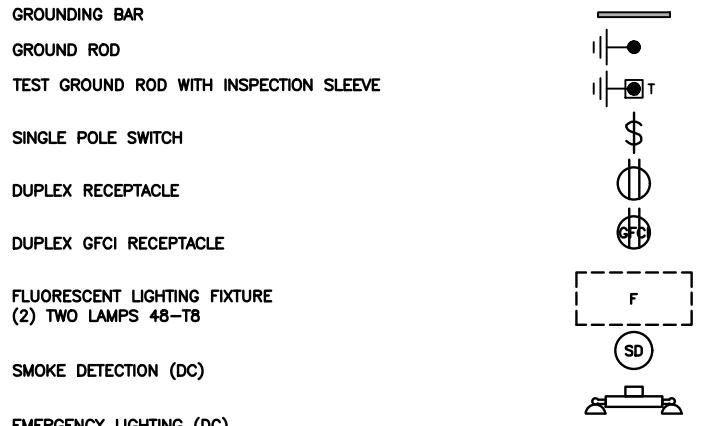
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GARDEN CITY, ID 83714

**SHEET TITLE**  
RF  
CABLE COLOR CODES

**SHEET NUMBER**  
RF-1

EXOTHERMIC CONNECTION  
MECHANICAL CONNECTION  
BUSS BAR INSULATOR  
CHEMICAL ELECTROLYTIC GROUNDING SYSTEM  
TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM  
EXOTHERMIC WITH INSPECTION SLEEVE



SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW  
LED-1-25A400/51K-SR4-120-PE-DDBTXD

CHAIN LINK FENCE  
WOOD/WROUGHT IRON FENCE

WALL STRUCTURE  
LEASE AREA

PROPERTY LINE (PL)  
SETBACKS

ICE BRIDGE

CABLE TRAY

WATER LINE

UNDERGROUND POWER

UNDERGROUND TELCO

OVERHEAD POWER

OVERHEAD TELCO

UNDERGROUND TELCO/POWER

ABOVE GROUND POWER

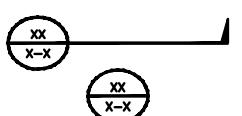
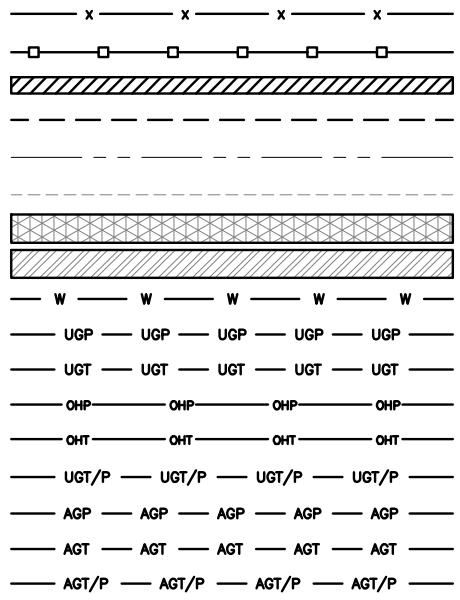
ABOVE GROUND TELCO

ABOVE GROUND TELCO/POWER

WORKPOINT

SECTION REFERENCE

DETAIL REFERENCE



AB	ANCHOR BOLT	IN	INCH
ABV	ABOVE	INT	INTERIOR
AC	ALTERNATING CURRENT	LB(S)	POUND(S)
ADDL	ADDITIONAL	LF	LINEAR FEET
AFF	ABOVE FINISHED FLOOR	LTE	LONG TERM EVOLUTION
AFG	ABOVE FINISHED GRADE	MAS	MASONRY
AGL	ABOVE GROUND LEVEL	MAX	MAXIMUM
AIC	AMPERAGE INTERRUPTION CAPACITY	MB	MACHINE BOLT
ALUM	ALUMINUM	MECH	MECHANICAL
ALT	ALTERNATE	MFR	MANUFACTURER
ANT	ANTENNA	MGB	MASTER GROUND BAR
APPROX	APPROXIMATE	MIN	MINIMUM
ARCH	ARCHITECTURAL	MISC	MISCELLANEOUS
ATS	AUTOMATIC TRANSFER SWITCH	MTL	METAL
AWG	AMERICAN WIRE GAUGE	MTS	MANUAL TRANSFER SWITCH
BATT	BATTERY	MW	MICROWAVE
BLDG	BUILDING	NEC	NATIONAL ELECTRIC CODE
BLK	BLOCK	NM	NEWTON METERS
BLKG	BLOCKING	NO.	NUMBER
BM	BEAM	#	NUMBER
BTC	BARE TINNED COPPER CONDUCTOR	NTS	NOT TO SCALE
BOF	BOTTOM OF FOOTING	OC	ON-CENTER
CAB	CABINET	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
CANT	CANTILEVERED	OPNG	OPENING
CHG	CHARGING	P/C	PRECAST CONCRETE
CLG	CEILING	PCS	PERSONAL COMMUNICATION SERVICES
CLR	CLEAR	PCU	PRIMARY CONTROL UNIT
COL	COLUMN	PRC	PRIMARY RADIO CABINET
COMM	COMMON	PP	POLARIZING PRESERVING
CONC	CONCRETE	PSF	POUNDS PER SQUARE FOOT
CONSTR	CONSTRUCTION	PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	PT	PRESSURE TREATED
DC	DIRECT CURRENT	PWR	POWER CABINET
DEPT	DEPARTMENT	QTY	QUANTITY
DF	DOUGLAS FIR	RAD	RADIUS
DIA	DIAMETER	RECT	RECTIFIER
DIAG	DIAGONAL	REF	REFERENCE
DIM	DIMENSION	REINF	REINFORCEMENT
DWG	DRAWING	REQ'D	REQUIRED
DWL	DOWEL	RET	REMOTE ELECTRIC TILT
EA	EACH	RF	RADIO FREQUENCY
EC	ELECTRICAL CONDUCTOR	RMC	RIGID METALLIC CONDUIT
EL	ELEVATION	RRH	REMOTE RADIO HEAD
ELEC	ELECTRICAL	RRU	REMOTE RADIO UNIT
EMT	ELECTRICAL METALLIC TUBING	RWY	RACEWAY
ENG	ENGINEER	SCH	SCHEDULE
EQ	EQUAL	SHT	SHEET
EXP	EXPANSION	SIAD	SMART INTEGRATED ACCESS DEVICE
EXT	EXTERIOR	SIM	SIMILAR
EW	EACH WAY	SPEC	SPECIFICATION
FAB	FABRICATION	SQ	SQUARE
FF	FINISH FLOOR	SS	STAINLESS STEEL
FG	FINISH GRADE	STD	STANDARD
FIF	FACILITY INTERFACE FRAME	STL	STEEL
FIN	FINISH(ED)	TEMP	TEMPORARY
FLR	FLOOR	THK	THICKNESS
FDN	FOUNDATION	TMA	TOWER MOUNTED AMPLIFIER
FOC	FACE OF CONCRETE	TN	TOE NAIL
FOM	FACE OF MASONRY	TOA	TOP OF ANTENNA
FOS	FACE OF STUD	TOC	TOP OF CURB
FOW	FACE OF WALL	TOF	TOP OF FOUNDATION
FS	FINISH SURFACE	TOP	TOP OF PLATE (PARAPET)
FT	FOOT	TOS	TOP OF STEEL
FTG	FOOTING	TOW	TOP OF WALL
GA	GAUGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
GEN	GENERATOR	TYP	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UG	UNDERGROUND
GLB	GLUE LAMINATED BEAM	UL	UNDERWRITERS LABORATORY
GLV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GPS	GLOBAL POSITIONING SYSTEM	UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
GND	GROUND	UPS	UNINTERRUPTIBLE POWER SYSTEM (DC POWER PLANT)
GSM	GLOBAL SYSTEM FOR MOBILE	VIF	VERIFIED IN FIELD
HDG	HOT DIPPED GALVANIZED	W	WIDE
HDR	HEADER	W/	WITH
HGR	HANGER	WD	WOOD
HVAC	HEAT/VENTILATION/AIR CONDITIONING	WP	WEATHERPROOF
HT	HEIGHT	WT	WEIGHT
IGR	INTERIOR GROUND RING		

LEGEND

ABBREVIATIONS



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351



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TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:  
PSS TH GSM

RFDS REV #: 1

## CONSTRUCTION DOCUMENTS

### SUBMITTALS

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A&E PROJECT NUMBER  
176543.879143

DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

SHEET TITLE  
LEGEND AND  
ABBREVIATIONS

SHEET NUMBER

GN-1

SIGN TYPES		
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 LLC.
- INFORMATION SIGN (GREEN) SHALL BE LOCATED ON EXISTING DISH Wireless LLC EQUIPMENT.
  - A) IF THE INFORMATION SIGN IS A STICKER, IT SHALL BE PLACED ON EXISTING DISH Wireless LLC EQUIPMENT CABINET.
  - B) IF THE INFORMATION SIGN IS A METAL SIGN IT SHALL BE PLACED ON EXISTING DISH Wireless LLC 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 LLC CONSTRUCTION MANAGER FOR FURTHER INSTRUCTION ON HOW TO PROCEED.

**NOTES:**

1. FOR DISH Wireless LLC LOGO, SEE DISH Wireless LLC DESIGN SPECIFICATIONS (PROVIDED BY DISH Wireless LLC.)
2. SITE ID SHALL BE APPLIED TO SIGNS USING "LASER ENGRAVING" OR ANY OTHER WEATHER RESISTANT METHOD (DISH Wireless LLC APPROVAL REQUIRED)
3. TEXT FOR SIGNAGE SHALL INDICATE CORRECT SITE NAME AND NUMBER AS PER DISH Wireless LLC 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" x 11" AND MADE WITH 0.04" OF ALUMINUM MATERIAL

# INFORMATION

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

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

Site ID: SLBOI00019B



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.

Site ID: SLBOI00019B



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## CAUTION



Transmitting Antenna(s)

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## WARNING



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**dish**  
wireless.

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**

326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351

TEP OPCO, LLC C-3267



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DRAWN BY: PSS CHECKED BY: TH APPROVED BY: GSM

RFDS REV #: 1

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8247 W STATE ST  
GARDEN CITY, ID 83714

SHEET TITLE  
RF SIGNAGE

SHEET NUMBER

**GN-2**

**SITE ACTIVITY REQUIREMENTS:**

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

**GENERAL NOTES:**

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION  
CARRIER:DISH WIRELESS, L.L.C.  
TOWER OWNER:TOWER OWNER
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.

5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF DISH WIRELESS, L.L.C. AND TOWER OWNER
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
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GARDEN CITY, ID 83714

SHEET TITLE  
GENERAL NOTES

SHEET NUMBER

**GN-3**

**CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:**

- 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.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH ( $f'_c$ ) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
- 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.
- 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 ( $F_y$ ) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:  
 #4 BARS AND SMALLER 40 ksi  
 #5 BARS AND LARGER 60 ksi
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
  - CONCRETE EXPOSED TO EARTH OR WEATHER:
  - #6 BARS AND LARGER 2"
  - #5 BARS AND SMALLER 1-1/2"
  - CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
  - SLAB AND WALLS 3/4"
  - BEAMS AND COLUMNS 1-1/2"
- 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:**

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 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.
- 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.
- 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).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- TIE WRAPS ARE NOT ALLOWED.
- 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.
- 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.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- 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.
- 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).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID-TIGHT FLEXIBLE METAL CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
- SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 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.

- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH WIRELESS, L.L.C., AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- 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.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH WIRELESS, L.L.C.".
- ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.



February 21, 2025  
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DRAWN BY: CHECKED BY: APPROVED BY:

PSS TH GSM

RFDS REV #: 1

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A&E PROJECT NUMBER  
176543.879143

DISH WIRELESS, L.L.C.  
PROJECT INFORMATION  
SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

SHEET TITLE  
GENERAL NOTES  
SHEET NUMBER  
GN-4

**GROUNDING NOTES:**

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 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.

**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351

TEP OPCO, LLC C-3267



February 21, 2025

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PSS TH GSM

RFDS REV #: 1

## CONSTRUCTION DOCUMENTS

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### A&E PROJECT NUMBER

176543.879143

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

SLBOI00019B  
ID-CCI-T-824322  
8247 W STATE ST  
GARDEN CITY, ID 83714

### SHEET TITLE

GENERAL NOTES

### SHEET NUMBER

**GN-5**

**NOTES**

1. BOUNDARY LINES OBTAINED FROM AS-BUILT SURVEY.
2. ZONING INFORMATION OBTAINED FROM AS-BUILT SURVEY.
3. THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #16001CO166J, DATED JUNE 19, 2020.
4. SITE PLAN IS OBTAINED FROM AS-BUILT SURVEY PROVIDED BY CROWN CASTLE DATED 01/22/2020

**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**

326 TRYON RD, RALEIGH, NC 27603  
OFFICE: (919) 661-6351



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PROJECT INFORMATION  
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8247 W STATE ST  
GARDEN CITY, ID 83714

OVERALL AND ENLARGED  
SITE PLAN

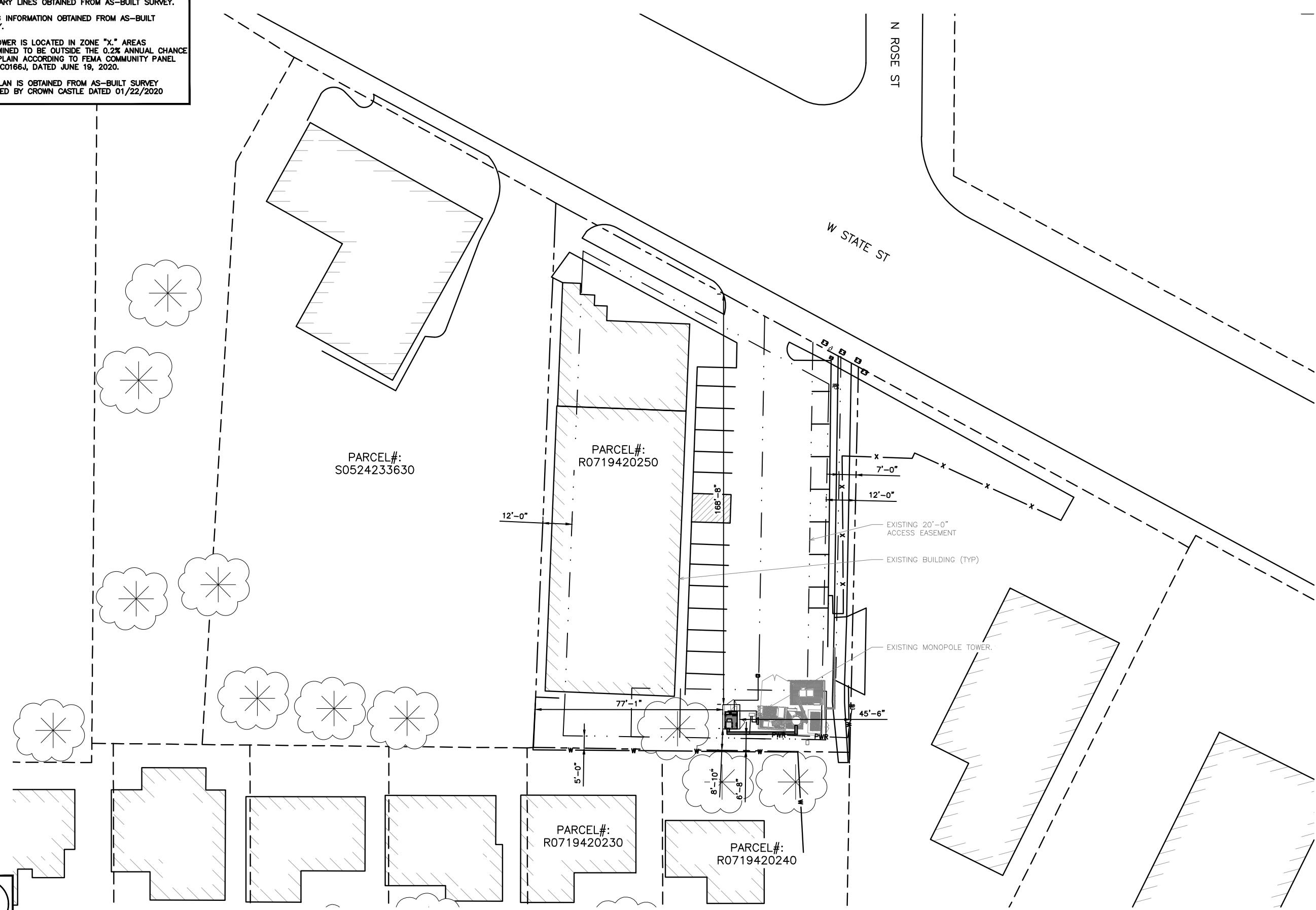
SHEET NUMBER

**A-1.0**

OVERALL PARCEL MAP

40' 20' 0 40' 80'  
1"=40'

1



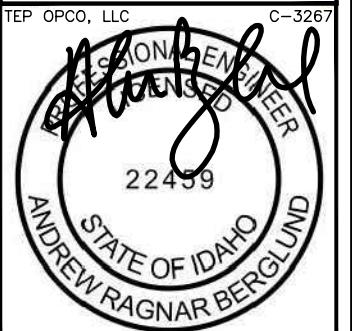
## NOTES

1. BOUNDARY LINES OBTAINED FROM AS-BUILT SURVEY.
2. ZONING INFORMATION OBTAINED FROM AS-BUILT SURVEY.
3. THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #16001CO166J, DATED JUNE 19, 2020.
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**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

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326 TRYON RD, RALEIGH, NC 27603  
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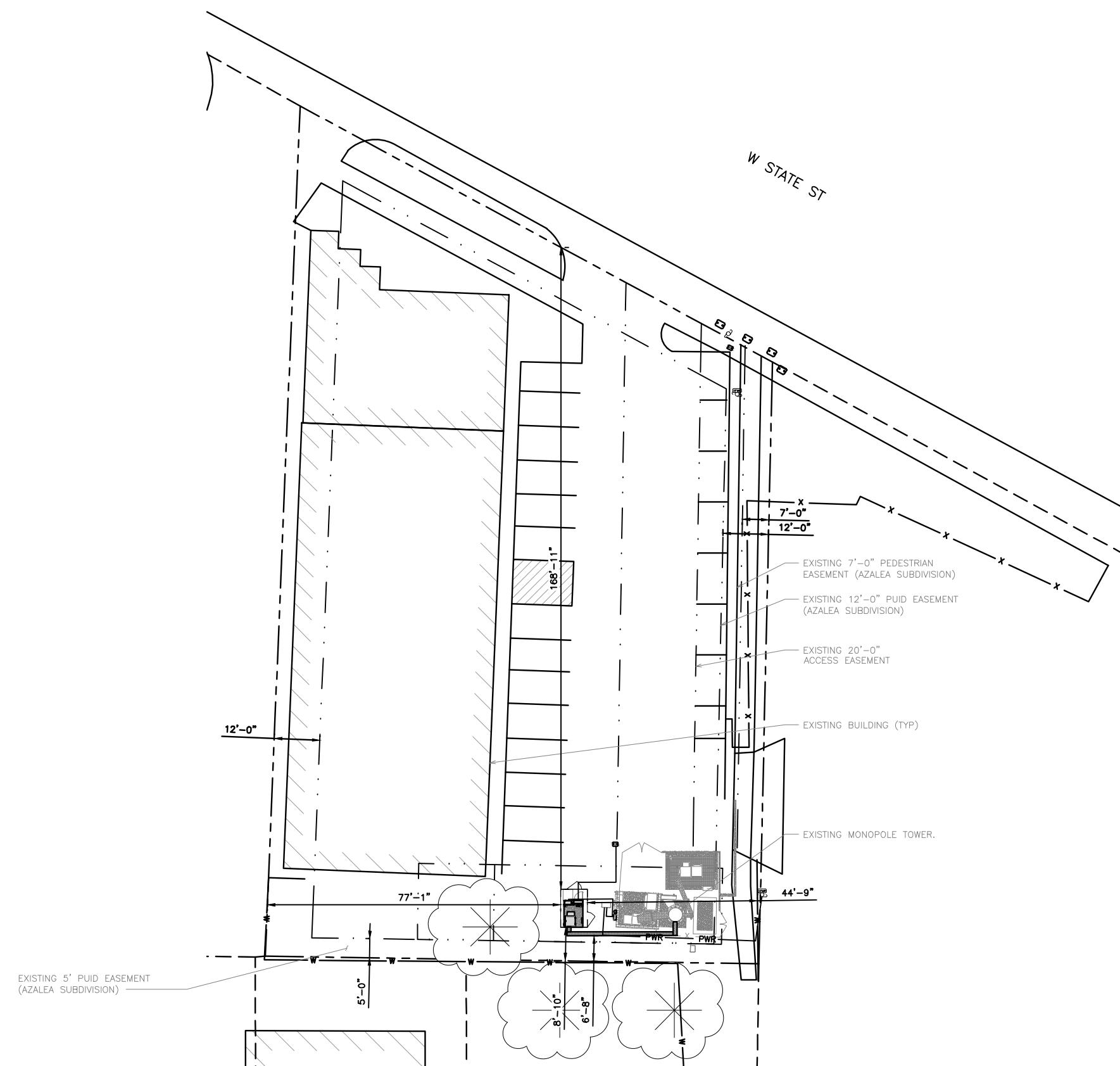
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PROJECT INFORMATION  
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## SHEET TITLE

SITE PLAN

## SHEET NUMBER

A-1.1



SITE PLAN

16' 12' 8' 4' 0 16' 32'  
1/16"=1'-0"

## NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
3. THE TOWER IS LOCATED IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #16001C0166J, DATED JUNE 19, 2020
4. SITE PLAN AND EASEMENT INFORMATION IS OBTAINED FROM AS-BUILT SURVEY PROVIDED BY CROWN CASTLE DATED 01/22/2020

**dish**  
wireless.  
5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

**TEP**

326 TRYON RD, RALEIGH, NC 27603  
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## CONSTRUCTION DOCUMENTS

## SUBMITTALS

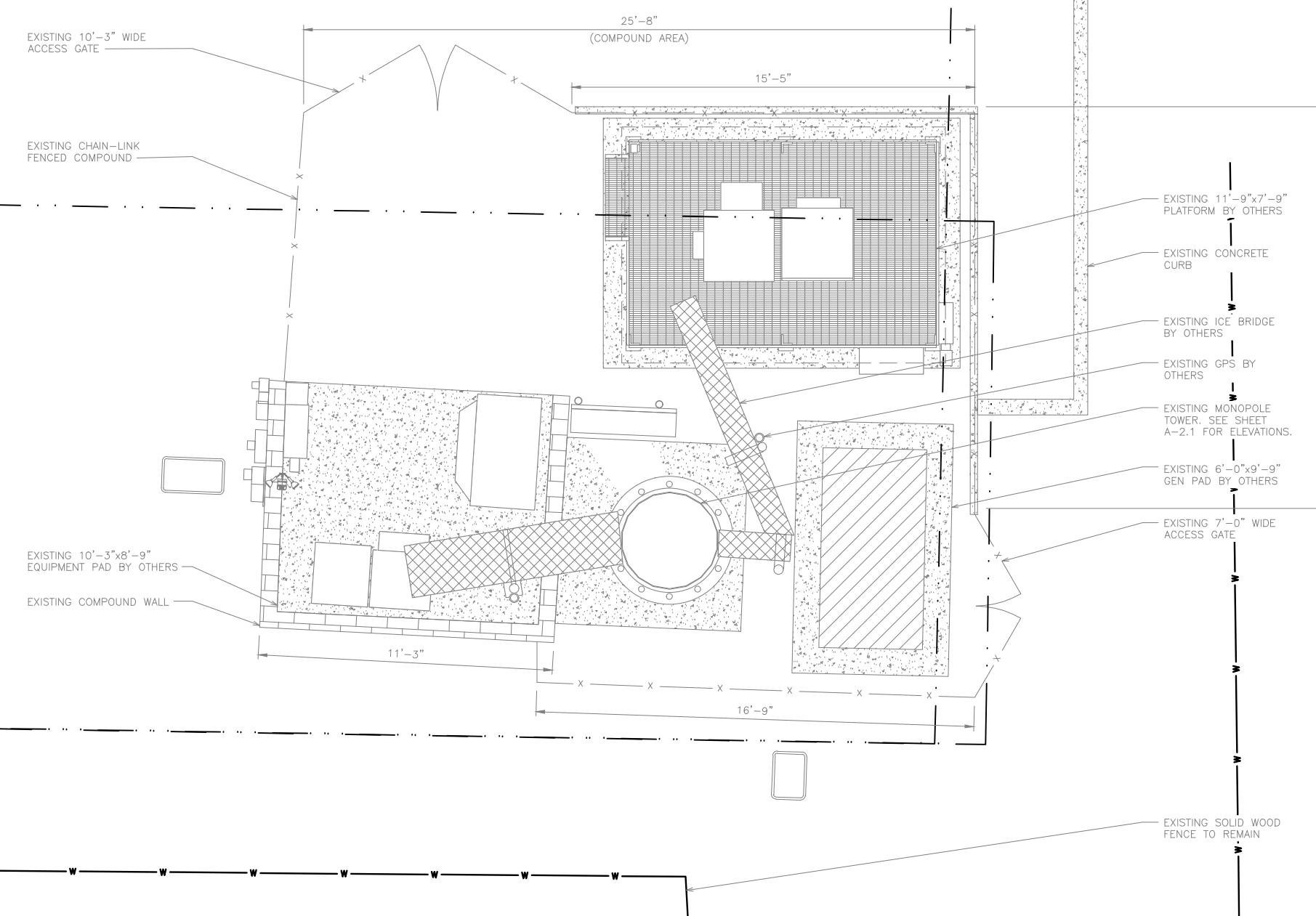
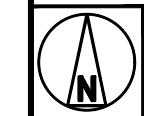
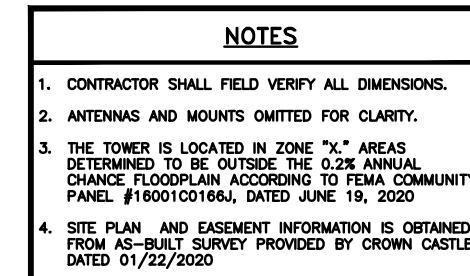
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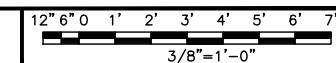
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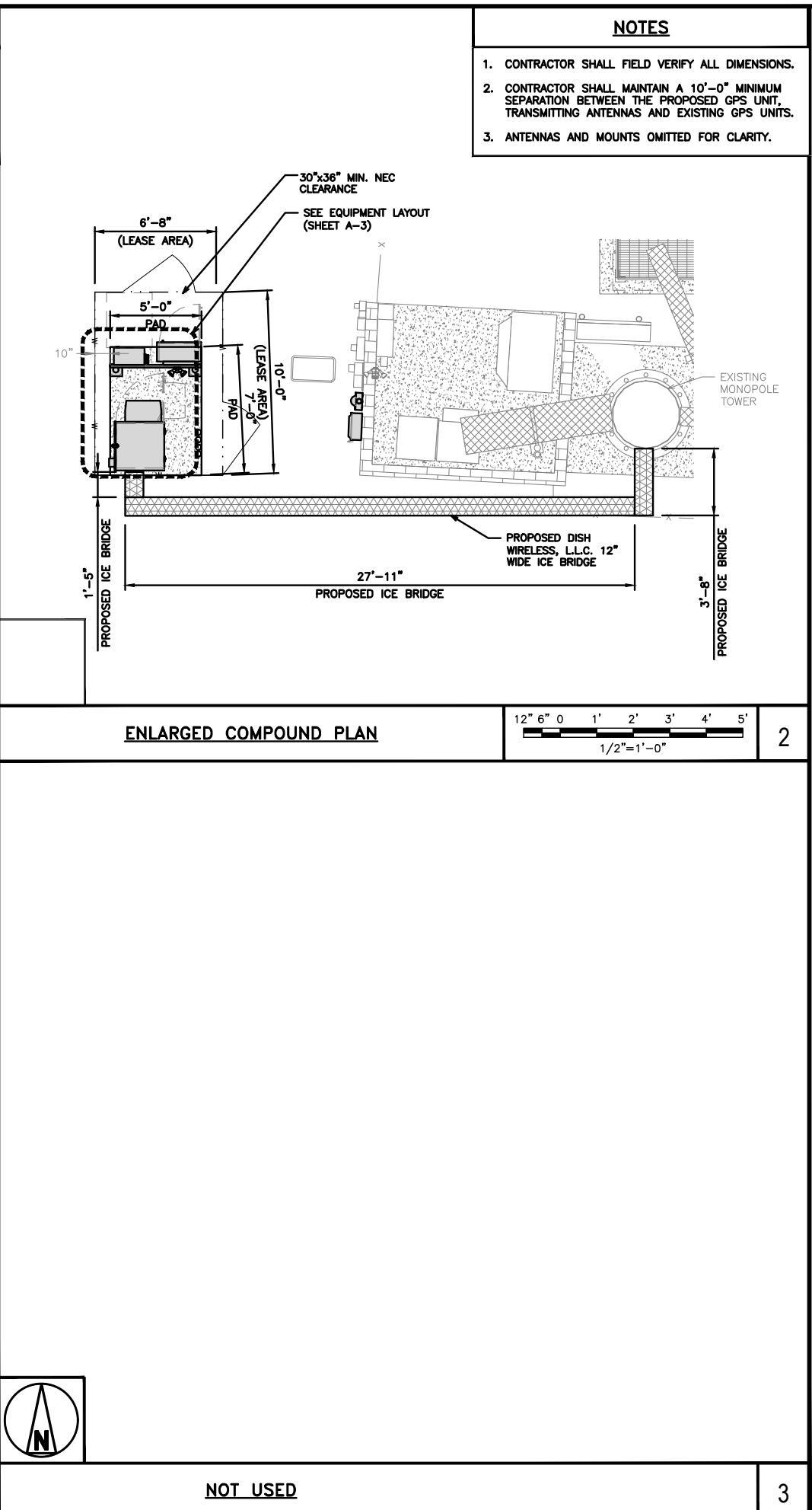
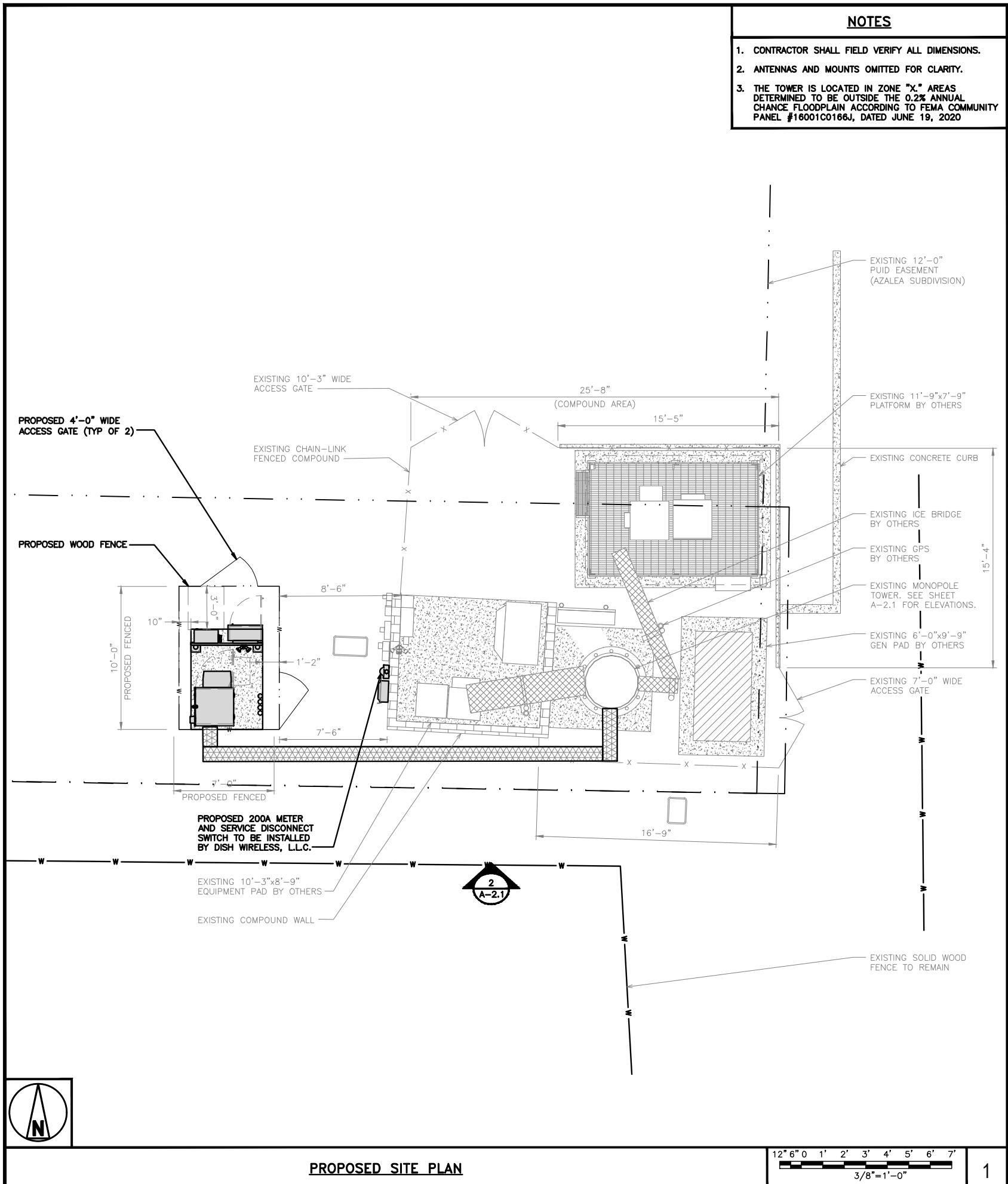
SHEET TITLE  
EXISTING COMPOUND PLAN

SHEET NUMBER  
A-1.2



EXISTING COMPOUND PLAN





5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



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PROJECT INFORMATION  
**SLBO100019B**  
**ID-CCI-T-824322**  
**8247 W STATE ST**  
**GARDEN CITY, ID 83714**

SHEET TITLE  
PROPOSED COMPOUND

SHEET NUMBER

### A-1.3

Date: September 13, 2024



Morrison Hershfield  
1455 Lincoln Parkway, Suite 500  
Atlanta, GA 30346  
(770) 379-8500

<b>Subject:</b>	<b>Structural Analysis Report</b>	
<b>Carrier Designation:</b>	<b>DISH Network Co-Locate</b>	
	<b>Site Number:</b>	SLBOI00019B
<b>Crown Castle Designation:</b>	<b>BU Number:</b>	824322
	<b>Site Name:</b>	GrdnCity_Roe
	<b>JDE Job Number:</b>	2100685
	<b>Work Order Number:</b>	2327692
	<b>Order Number:</b>	655968 Rev. 5
<b>Engineering Firm Designation:</b>	<b>Morrison Hershfield Project Number: CN5-036R9 / 2400001</b>	
<b>Site Data:</b>	<b>8247 W State Street, Garden City, Ada County, ID 83714</b> <b>Latitude 43° 40' 22.63", Longitude -116° 17' 21.27"</b> <b>118 Foot - EEI Monopole Tower</b>	

*Morrison Hershfield* is pleased to submit this “**Structural Analysis Report**” to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

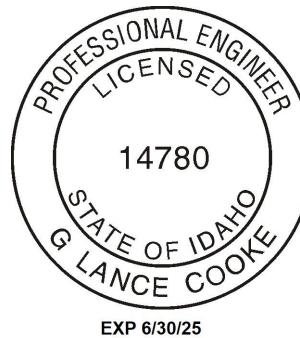
LC7: Proposed Equipment Configuration

**Sufficient Capacity**

This analysis has been performed in accordance with the 2018 International Building Code based upon an ultimate 3-second gust wind speed of 102 mph. Applicable standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, C.E. (ID License No. P-14780)  
Senior Engineer



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## 1) INTRODUCTION

This tower is a 118 ft monopole tower designed by Engineered Endeavors, Inc.

## 2) ANALYSIS CRITERIA

<b>TIA-222 Revision:</b>	TIA-222-H
<b>Risk Category:</b>	II
<b>Wind Speed:</b>	102 mph
<b>Exposure Category:</b>	C
<b>Topographic Factor:</b>	1
<b>Service Wind Speed:</b>	60 mph

**Table 1 - Proposed Equipment Configuration**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
70.0	70.0	3	cellmax technologies	CMA-UBTULBULBHH/6516/16/21/21 w/ Mount Pipe	1	1-3/8
		3	fujitsu	TA08025-B604		
		3	fujitsu	TA08025-B605		
		1	raycap	RDIDC-9181-PF-48_CCIV3		
		1	-	Commscope MC-K6MHDX-9-96 (3)		

**Table 2 - Other Considered Equipment**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
120.0	120.0	4	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	5 2 1	1-5/8 1-3/8 3/4
		4	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		4	rfs/celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		4	ericsson	RADIO 4449 B71 B85A _T-MOBILE		
		4	ericsson	RRUS 4415 B25_CCIV2		
		1	perfect vision	6' Quad T-Arm Mount [#PV-MPM4-TA24-6-HR2-AP7]		
107.0	107.0	3	rfs/celwave	APXVBBL20X_43-C-I20 w/ Mount Pipe	3	1-9/16
		3	samsung telecommunications	RFD01F-26A		
		3	samsung telecommunications	RRH-P4		
		1	-	T-Arm Mount [TA 702-3]		
97.0	97.0	2	raycap	RHSDC-3315-PF-48	2	1-5/8

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
96.0	97.0	3	ericsson	RADIO 4449 B13/B5	1	1-7/8
		3	ericsson	RADIO 8843 B2/B66A_CCIV2		
	96.0	1	-	Platform Mount [LP 602-1]		
	94.0	3	commscope	NHH-65C-R2B w/ Mount Pipe		
		3	commscope	NHHSS-65C-R2B w/ Mount Pipe		
		3	ericsson	AIR 6449 w/ Mount Pipe		
		3	ericsson	RADIO 4408		
80.0	82.0	3	ericsson	AIR 6419 B77G	5	7/8
		6	commscope	NNH4-65C-R6-V3		
		3	ericsson	4490 B5/B12		
		3	ericsson	4890 B25/B66		
		3	ericsson	RADIO 4478 B14		
		2	raycap	DC9-48-60-24-PC16-EV		
		6	site pro 1	8' Bulk Pipe [#P296]		
		1	commscope	12.5' Tri-Sected Frame Mount [#MCG23HDXL-12M12126]		
		3	ericsson	AIR 6419 B77D		
	78.0	3	ericsson			

### 3) ANALYSIS PROCEDURE

**Table 3 - Documents Provided**

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3489772	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3489771	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3489773	CCISITES

#### 3.1) Analysis Method

tnxTower (version 8.2.4.3), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

#### 3.2) Assumptions

- 1) Tower and structures were maintained in accordance with the TIA-222 Standard.
- 2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Morrison Hershfield should be notified to determine the effect on the structural integrity of the tower.

#### 4) ANALYSIS RESULTS

**Table 4 - Section Capacity (Summary)**

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	118 - 77.04	Pole	TP27.2x18x0.1875	1	-11.62	955.27	47.1	Pass
L2	77.04 - 48.17	Pole	TP33.18x25.9445x0.1875	2	-23.45	1168.47	92.9	Pass
L3	48.17 - 0	Pole	TP43.5x31.7767x0.25	3	-32.87	2108.03	89.3	Pass
							Summary	
							Pole (L2)	92.9
							Rating =	92.9
								Pass

**Table 5 - Tower Component Stresses vs. Capacity - LC7**

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	72.8	Pass
1	Base Plate		74.8	Pass
1	Base Foundation (Structure)	0	47.2	Pass
1	Base Foundation (Soil Interaction)		36.4	Pass

Structure Rating (max from all components) =	92.9%*
--	--------

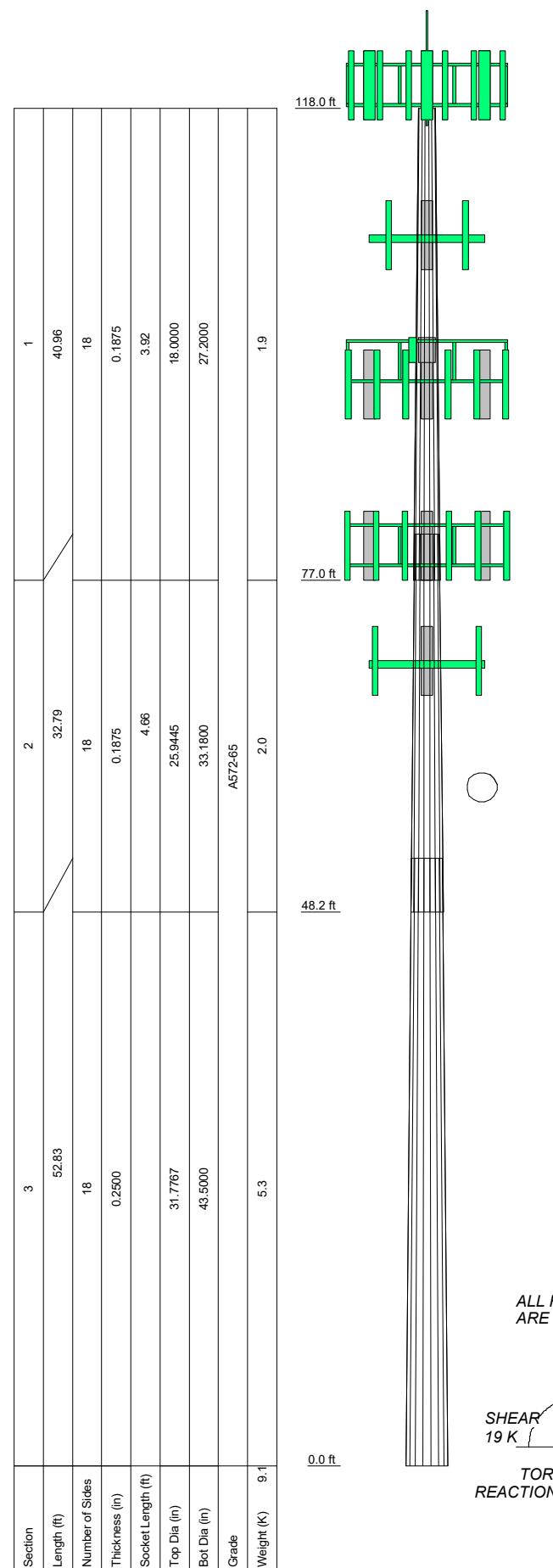
Notes:

- 1) See additional documentation in "Appendix C - Additional Calculations" for calculations supporting the % capacity consumed.
- 2) \*Rating per TIA-222-H, Section 15.5.

#### 4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

**APPENDIX A**  
**TNXTOWER OUTPUT**



GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

**Fu** **GRADE**

A572-65 65 ksi 80 ksi

## TOWER DESIGN NOTES

1. Tower is located in Ada County, Idaho.
  2. Tower designed for Exposure C to the TIA-222-H Standard.
  3. Tower designed for a 102 mph basic wind in accordance with the TIA-222-H Standard.
  4. Deflections are based upon a 60 mph wind.
  5. Tower Risk Category II.
  6. Topographic Category 1 with Crest Height of 0.00 ft
  7. TOWER RATING: 92.9%

## ALL REACTIONS ARE FACTORED

AXIAL  
33 K

*TORQUE 2 kip-ft  
REACTIONS - 102 mph WIND*



 MORRISON  
HERSHFIELD  
 Stantec


**Morrison Hershfield**  

**Stantec**  
 Consulting Engineers

*Morrison Hershfield*  
1455 Lincoln Parkway, Suite 500  
Atlanta, GA 30346  
Phone: (770) 379-8500  
FAX: (770) 379-8501

Printed on 2023-01-26 at 10:51:57

Project: 824322 / GrdnCity\_Roe

Client: Crown Castle USA

Code: TIA-222-H

Path: C:\Users\KRahul\Desktop\CN5-036 - 824322 - GrdnCity\_Roel\CN5-036R9 SA\Analysis\CN5-036R9 BU 824322 WD 2327692.edr Dwg No. E-1

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## Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Ada County, Idaho.

Tower base elevation above sea level: 2605.00 ft.

Basic wind speed of 102 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used:  $K_{es}(F_w) = 0.95$ .

Maximum demand-capacity ratio is: 1.05.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Options

- |                                     |                                       |   |
|-------------------------------------|---------------------------------------|---|
| Consider Moments - Legs             | Assume Legs Pinned                    | Calculate Redundant Bracing Forces        |
| Consider Moments - Horizontals      | ✓ Assume Rigid Index Plate            | Ignore Redundant Members in FEA           |
| Consider Moments - Diagonals        | ✓ Use Clear Spans For Wind Area       | SR Leg Bolts Resist Compression           |
| Use Moment Magnification            | Use Clear Spans For KL/r              | All Leg Panels Have Same Allowable        |
| ✓ Use Code Stress Ratios            | Retention Guys To Initial Tension     | Offset Girt At Foundation                 |
| ✓ Use Code Safety Factors - Guys    | ✓ Bypass Mast Stability Checks        | ✓ Consider Feed Line Torque               |
| Escalate Ice                        | ✓ Use Azimuth Dish Coefficients       | Include Angle Block Shear Check           |
| Always Use Max Kz                   | ✓ Project Wind Area of Appurtenances  | Use TIA-222-H Bracing Resist. Exemption   |
| Use Special Wind Profile            | ✓ Alternative Appurt. EPA Calculation | Use TIA-222-H Tension Splice Exemption    |
| Include Bolts In Member Capacity    | Autocalc Torque Arm Areas             | Poles                                     |
| Leg Bolts Are At Top Of Section     | Add IBC .6D+W Combination             | ✓ Include Shear-Torsion Interaction       |
| Secondary Horizontal Braces Leg     | Sort Capacity Reports By Component    | Always Use Sub-Critical Flow              |
| Use Diamond Inner Bracing (4 Sided) | Triangulate Diamond Inner Bracing     | Use Top Mounted Sockets                   |
| SR Members Have Cut Ends            | Treat Feed Line Bundles As Cylinder   | Pole Without Linear Attachments           |
| SR Members Are Concentric           | Ignore KL/ry For 60 Deg. Angle Legs   | Pole With Shroud Or No Appurtenances      |
| Distribute Leg Loads As Uniform     | Use ASCE 10 X-Brace Ly Rules          | Outside and Inside Corner Radii Are Known |

### Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	118.00-77.04	40.96	3.92	18	18.0000	27.2000	0.1875	0.7500	A572-65 (65 ksi)
L2	77.04-48.17	32.79	4.66	18	25.9445	33.1800	0.1875	0.7500	A572-65 (65 ksi)
L3	48.17-0.00	52.83		18	31.7767	43.5000	0.2500	1.0000	A572-65 (65 ksi)

### Tapered Pole Properties

Section	Tip Dia. in	Area in <sup>2</sup>	I in <sup>4</sup>	r in	C in	I/C in <sup>3</sup>	J in <sup>4</sup>	It/Q in <sup>2</sup>	w in	w/t
L1	18.2488	10.6007	424.9328	6.3234	9.1440	46.4712	850.4248	5.3013	2.8380	15.136
	27.5907	16.0758	1481.9720	9.5894	13.8176	107.2525	2965.8939	8.0394	4.4572	23.772
L2	27.1942	15.3287	1284.7927	9.1437	13.1798	97.4818	2571.2760	7.6658	4.2362	22.593
	33.6629	19.6347	2700.1713	11.7123	16.8554	160.1958	5403.8956	9.8192	5.5097	29.385
L3	33.2784	25.0165	3141.3821	11.1920	16.1426	194.6023	6286.8978	12.5106	5.1527	20.611
	44.1325	34.3189	8110.4083	15.3537	22.0980	367.0200	16231.4884	17.1627	7.2160	28.864

Tower Elevation ft	Gusset Area (per face) ft <sup>2</sup>	Gusset Thickness in	Gusset Grade	Adjust. Factor A <sub>f</sub>	Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 118.00- 77.04				1	1	1			
L2 77.04- 48.17				1	1	1			
L3 48.17-0.00				1	1	1			

### Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Componen t Type	Placement ft	Total Number	Number Per Row	Start/En d Position	Width or Diamete r in	Perimete r in	Weight plf
Safety Line 3/8	C	No	Surface Ar (CaAa)	118.00 - 12.00	1	1	-0.450	0.3750		0.22
Climbing Pegs	C	No	Surface Ar (CaAa)	118.00 - 12.00	1	1	-0.500 -0.400	0.7050		1.80
*****										
TYPE 3(1-9/16)	A	No	Surface Ar (CaAa)	107.00 - 8.00	3	3	0.000 0.150	1.5700		0.80
*****										

### Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Componen t Type	Placement ft	Total Number	C <sub>A</sub> A <sub>A</sub> ft <sup>2</sup> /ft	Weight plf	
*****									
WR-VG86ST- BRD(3/4)	A	No	No	Inside Pole	118.00 - 8.00	1	No Ice	0.00	0.58
HCS 6X12 6AWG(1-3/8)	A	No	No	Inside Pole	118.00 - 8.00	2	No Ice	0.00	1.70
HCS 6X12 4AWG(1-5/8)	A	No	No	Inside Pole	118.00 - 8.00	4	No Ice	0.00	2.40

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	$C_{AA}$	Weight
							ft <sup>2</sup> /ft	plf
MLE HYBRID 9POWER/18FIBE R RL 2(1-5/8) *****	A	No	No	Inside Pole	118.00 - 8.00	1	No Ice	0.00
HB158-1-08U8-S8J18(1-5/8) *****	B	No	No	Inside Pole	97.00 - 8.00	2	No Ice	0.00
85096867_CCI42(1-7/8) *****	B	No	No	Inside Pole	96.00 - 8.00	1	No Ice	0.00
RFFT-48SM-001-XXX(3/8) PWRT-606-S(7/8) *****	B	No	No	Inside Pole	80.00 - 0.00	2	No Ice	0.00
CU12PSM9P8XXX (1-3/8) *****	A	No	No	Inside Pole	70.00 - 0.00	1	No Ice	0.00
								1.66

### Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	$A_R$ ft <sup>2</sup>	$A_F$ ft <sup>2</sup>	$C_{AA}$ In Face ft <sup>2</sup>	$C_{AA}$ Out Face ft <sup>2</sup>	Weight
L1	118.00-77.04	A	0.000	0.000	14.111	0.000	0.67
		B	0.000	0.000	0.000	0.000	0.13
		C	0.000	0.000	4.424	0.000	0.08
L2	77.04-48.17	A	0.000	0.000	13.598	0.000	0.53
		B	0.000	0.000	0.000	0.000	0.30
		C	0.000	0.000	3.118	0.000	0.06
L3	48.17-0.00	A	0.000	0.000	18.920	0.000	0.77
		B	0.000	0.000	0.000	0.000	0.45
		C	0.000	0.000	3.906	0.000	0.07

### Feed Line Center of Pressure

Section	Elevation ft	$CP_x$ in	$CP_z$ in	$CP_x$ Ice in	$CP_z$ Ice in
L1	118.00-77.04	-1.2930	-1.0927	-0.8700	-0.7353
L2	77.04-48.17	-1.8274	-1.5256	-1.2261	-1.0236
L3	48.17-0.00	-1.6618	-1.3818	-1.0819	-0.8996

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

### Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
L1	1	Safety Line 3/8	77.04 - 118.00	1.0000	1.0000
L1	2	Climbing Pegs	77.04 - 118.00	1.0000	1.0000
L1	9	TYPE 3(1-9/16)	77.04 - 107.00	1.0000	1.0000
L2	1	Safety Line 3/8	48.17 - 77.04	1.0000	1.0000
L2	2	Climbing Pegs	48.17 - 77.04	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
L2	9	TYPE 3(1-9/16)	48.17 - 77.04	1.0000	1.0000
L3	1	Safety Line 3/8	12.00 - 48.17	1.0000	1.0000
L3	2	Climbing Pegs	12.00 - 48.17	1.0000	1.0000
L3	9	TYPE 3(1-9/16)	8.00 - 48.17	1.0000	1.0000

### Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement		$C_{AA}$ Front	$C_{AA}$ Side	Weight
					ft	$ft^2$			
Lightning Rod 7' x 9/16" *****	A	None		0.0000	121.50	No Ice	0.39	0.39	0.01
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	3.76	3.15	0.19
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	3.76	3.15	0.19
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Face	4.00 0.00 0.00	0.0000	120.00	No Ice	3.76	3.15	0.19
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	3.76	3.15	0.19
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	14.69	6.87	0.18
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	14.69	6.87	0.18
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Face	4.00 0.00 0.00	0.0000	120.00	No Ice	14.69	6.87	0.18
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	14.69	6.87	0.18
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	5.19	2.71	0.13
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	5.19	2.71	0.13
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Face	4.00 0.00 0.00	0.0000	120.00	No Ice	5.19	2.71	0.13
AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	5.19	2.71	0.13
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.97	1.59	0.07
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.97	1.59	0.07
RADIO 4449 B71 B85A_T-MOBILE	C	From Face	4.00 0.00 0.00	0.0000	120.00	No Ice	1.97	1.59	0.07
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.97	1.59	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Vert ft ft ft	Azimuth Adjustmen t °	Placement		$C_A A_A$ Front	$C_A A_A$ Side	Weight
RRUS 4415 B25_CCIV2	A	From Leg	0.00 4.00 0.00 0.00	0.0000	120.00	No Ice	1.84	0.82	0.05
RRUS 4415 B25_CCIV2	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.84	0.82	0.05
RRUS 4415 B25_CCIV2	C	From Face	4.00 0.00 0.00	0.0000	120.00	No Ice	1.84	0.82	0.05
RRUS 4415 B25_CCIV2	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.84	0.82	0.05
6' x 2.375" OD Horizontal Mount Pipe [#PIPE-238X72]	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.43	0.01	0.02
6' x 2.375" OD Horizontal Mount Pipe [#PIPE-238X72]	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.43	0.01	0.02
6' x 2.375" OD Horizontal Mount Pipe [#PIPE-238X72]	C	From Face	4.00 0.00 0.00	0.0000	120.00	No Ice	1.43	0.01	0.02
6' x 2.375" OD Horizontal Mount Pipe [#PIPE-238X72]	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.43	0.01	0.02
4' x 2.375" OD Corner Support Pipe [#PIPE-238X48]	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	0.87	0.01	0.01
4' x 2.375" OD Corner Support Pipe [#PIPE-238X48]	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	0.87	0.01	0.01
4' x 2.375" OD Corner Support Pipe [#PIPE-238X48]	C	From Face	4.00 0.00 0.00	0.0000	120.00	No Ice	0.87	0.01	0.01
4' x 2.375" OD Corner Support Pipe [#PIPE-238X48]	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	0.87	0.01	0.01
6' Quad T-Arm Mount [#PV-MPM4-TA24-6-HR2-AP7] *****	A	None		0.0000	120.00	No Ice	14.35	14.35	1.25
APXVBBL20X_43-C-I20 w/ Mount Pipe	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	9.99	5.59	0.12
APXVBBL20X_43-C-I20 w/ Mount Pipe	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	9.99	5.59	0.12
APXVBBL20X_43-C-I20 w/ Mount Pipe	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	9.99	5.59	0.12
RFD01F-26A	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.32	0.81	0.05
RFD01F-26A	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.32	0.81	0.05
RFD01F-26A	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.32	0.81	0.05
RRH-P4	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	2.74	1.79	0.06
RRH-P4	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	2.74	1.79	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Vert ft ft ft	Azimuth Adjustmen t °	Placement ft	C <sub>A</sub> A <sub>A</sub> Front	C <sub>A</sub> A <sub>A</sub> Side	Weight K	
RRH-P4	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	2.74	1.79	0.06
8' x 2" Mount Pipe	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.90	1.90	0.03
8' x 2" Mount Pipe	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.90	1.90	0.03
8' x 2" Mount Pipe	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.90	1.90	0.03
T-Arm Mount [TA 702-3] *****	A	None		0.0000	107.00	No Ice	4.75	4.75	0.34
RHSDC-3315-PF-48	A	From Leg	0.50 0.00 0.00	0.0000	97.00	No Ice	3.71	2.19	0.03
RHSDC-3315-PF-48	C	From Leg	0.50 0.00 0.00	0.0000	97.00	No Ice	3.71	2.19	0.03
*****									
NHHSS-65C-R2B w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.35	4.30	0.10
NHHSS-65C-R2B w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.35	4.30	0.10
NHHSS-65C-R2B w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.35	4.30	0.10
NHH-65C-R2B w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.56	4.47	0.08
NHH-65C-R2B w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.56	4.47	0.08
NHH-65C-R2B w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.56	4.47	0.08
AIR 6449 w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.18	2.72	0.12
AIR 6449 w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.18	2.72	0.12
AIR 6449 w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.18	2.72	0.12
RADIO 4449 B13/B5	A	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.71	0.08
RADIO 4449 B13/B5	B	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.71	0.08
RADIO 4449 B13/B5	C	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.71	0.08
RADIO 4408	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	0.60	0.33	0.01
RADIO 4408	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	0.60	0.33	0.01
RADIO 4408	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	0.60	0.33	0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement		$C_A A_A$ Front	$C_A A_A$ Side	Weight
RADIO 8843 B2/B66A_CCIV2	A	From Leg	-2.00 4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.70	0.08
RADIO 8843 B2/B66A_CCIV2	B	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.70	0.08
RADIO 8843 B2/B66A_CCIV2	C	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.70	0.08
8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	96.00	No Ice	1.90	1.90	0.03
8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	96.00	No Ice	1.90	1.90	0.03
8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	96.00	No Ice	1.90	1.90	0.03
Platform Mount [LP 602-1] *****	A	None		0.0000	96.00	No Ice	31.07	31.07	1.34
AIR 6419 B77G	A	From Leg	4.00 0.00 2.00	0.0000	80.00	No Ice	4.64	1.87	0.07
AIR 6419 B77G	B	From Leg	4.00 0.00 2.00	0.0000	80.00	No Ice	4.64	1.87	0.07
AIR 6419 B77G	C	From Leg	4.00 0.00 2.00	0.0000	80.00	No Ice	4.64	1.87	0.07
AIR 6419 B77D	A	From Leg	4.00 0.00 -2.00	0.0000	80.00	No Ice	3.47	1.37	0.07
AIR 6419 B77D	B	From Leg	4.00 0.00 -2.00	0.0000	80.00	No Ice	3.47	1.37	0.07
AIR 6419 B77D	C	From Leg	4.00 0.00 -2.00	0.0000	80.00	No Ice	3.47	1.37	0.07
(2) NNH4-65C-R6-V3	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	9.75	3.96	0.13
(2) NNH4-65C-R6-V3	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	9.75	3.96	0.13
(2) NNH4-65C-R6-V3	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	9.75	3.96	0.13
DC9-48-60-24-PC16-EV	A	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.26	1.12	0.03
DC9-48-60-24-PC16-EV	B	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.26	1.12	0.03
4890 B25/B66	A	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.70	1.22	0.07
4890 B25/B66	B	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.70	1.22	0.07
4890 B25/B66	C	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.70	1.22	0.07
4490 B5/B12	A	From Leg	2.00 0.00	0.0000	80.00	No Ice	2.20	0.85	0.02

Description	Face or Leg	Offset Type	Offsets: Horz Vert ft ft ft	Azimuth Adjustmen t °	Placement		C <sub>A</sub> A <sub>A</sub> Front ft <sup>2</sup>	C <sub>A</sub> A <sub>A</sub> Side ft <sup>2</sup>	Weight K
					ft	ft <sup>2</sup>			
4490 B5/B12	B	From Leg	0.00 2.00 0.00 0.00	0.0000	80.00	No Ice	2.20	0.85	0.02
4490 B5/B12	C	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.20	0.85	0.02
RADIO 4478 B14	A	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.02	1.25	0.06
RADIO 4478 B14	B	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.02	1.25	0.06
RADIO 4478 B14	C	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.02	1.25	0.06
(2) 8' Bulk Pipe [#P296]	A	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	1.90	1.90	0.03
(2) 8' Bulk Pipe [#P296]	B	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	1.90	1.90	0.03
(2) 8' Bulk Pipe [#P296]	C	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	1.90	1.90	0.03
8' x 2.875" OD Stiff Arm [#MT-54696120]	A	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.30	0.01	0.05
8' x 2.875" OD Stiff Arm [#MT-54696120]	B	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.30	0.01	0.05
8' x 2.875" OD Stiff Arm [#MT-54696120]	C	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	2.30	0.01	0.05
(4) 10.5' X 2.875" Mount Pipe [#MT-546-126]	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	3.02	3.02	0.06
(4) 10.5' X 2.875" Mount Pipe [#MT-546-126]	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	3.02	3.02	0.06
(4) 10.5' X 2.875" Mount Pipe [#MT-546-126]	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	3.02	3.02	0.06
Back Vertical Arm Mount [#SFG2206]	A	From Leg	1.00 0.00 0.00	0.0000	80.00	No Ice	1.54	1.54	0.06
Back Vertical Arm Mount [#SFG2206]	B	From Leg	1.00 0.00 0.00	0.0000	80.00	No Ice	1.54	1.54	0.06
Back Vertical Arm Mount [#SFG2206]	C	From Leg	1.00 0.00 0.00	0.0000	80.00	No Ice	1.54	1.54	0.06
(2) Ring Mount [#MC-RM1550-3]	A	None		0.0000	80.00	No Ice	3.60	3.60	0.23
12.5' Tri-Sectedored Frame Mount [#MCG23HDXL-12M12126]	A	None		0.0000	80.00	No Ice	30.43	30.43	1.69
*****									
UBTULBULBHH/6516/16/2 1/21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	17.53	6.20	0.14
UBTULBULBHH/6516/16/2 1/21 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	17.53	6.20	0.14
UBTULBULBHH/6516/16/2 1/21 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	17.53	6.20	0.14

Description	Face or Leg	Offset Type	Offsets: Horz Vert ft ft ft	Azimuth Adjustmen t °	Placement			$C_A$ Front	$C_A$ Side	Weight
UBTULBULBHH/6516/16/2 1/21 w/ Mount Pipe TA08025-B604	A	From Leg	0.00 0.00 4.00 0.00 0.00	0.0000	70.00	No Ice	1.96	0.98	0.06	
TA08025-B604	B	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.96	0.98	0.06	
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.96	0.98	0.06	
TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.96	1.13	0.08	
TA08025-B605	B	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.96	1.13	0.08	
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.96	1.13	0.08	
RDIDC-9181-PF-48_CCIv3	A	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	2.01	1.17	0.02	
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.90	1.90	0.03	
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.90	1.90	0.03	
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	70.00	No Ice	1.90	1.90	0.03	
Commscope MC-K6MHDX-9-96 (3) *****	A	None		0.0000	70.00	No Ice	15.30	15.30	1.19	

## Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice

Comb. No.	Description
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	Dead+Wind 0 deg - Service
27	Dead+Wind 30 deg - Service
28	Dead+Wind 60 deg - Service
29	Dead+Wind 90 deg - Service
30	Dead+Wind 120 deg - Service
31	Dead+Wind 150 deg - Service
32	Dead+Wind 180 deg - Service
33	Dead+Wind 210 deg - Service
34	Dead+Wind 240 deg - Service
35	Dead+Wind 270 deg - Service
36	Dead+Wind 300 deg - Service
37	Dead+Wind 330 deg - Service

### Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	118 - 77.04	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-11.71	-241.55	-3.55
			Max. Mx	20	-11.71	241.80	-4.24
			Max. My	14	-11.62	0.46	-265.59
			Max. Vy	20	-9.31	241.80	-4.24
			Max. Vx	14	9.85	0.46	-265.59
			Max. Torque	8			-2.65
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-23.52	-678.04	-3.41
			Max. Mx	20	-23.52	678.28	-4.66
L2	77.04 - 48.17	Pole	Max. My	14	-23.45	0.75	-718.39
			Max. Vy	20	-16.87	678.28	-4.66
			Max. Vx	14	17.45	0.75	-718.39
			Max. Torque	20			2.56
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-32.88	-1613.07	-3.14
			Max. Mx	20	-32.88	1613.68	-5.33
			Max. My	14	-32.87	1.40	-1682.78
			Max. Vy	20	-18.39	1613.68	-5.33
			Max. Vx	14	18.91	1.40	-1682.78
L3	48.17 - 0	Pole	Max. Torque	20			2.42
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-32.88	-1613.07	-3.14
			Max. Mx	20	-32.88	1613.68	-5.33
			Max. My	14	-32.87	1.40	-1682.78
			Max. Vy	20	-18.39	1613.68	-5.33
			Max. Vx	14	18.91	1.40	-1682.78
			Max. Torque	20			2.42

### Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	14	32.90	0.01	-18.87
	Max. H <sub>x</sub>	20	32.90	18.35	-0.01
	Max. H <sub>z</sub>	2	32.90	-0.01	18.87
	Max. M <sub>x</sub>	2	1674.28	-0.01	18.87
	Max. M <sub>z</sub>	8	1613.07	-18.35	0.01
	Max. Torsion	20	2.41	18.35	-0.01
	Min. Vert	23	24.67	15.89	9.43
	Min. H <sub>x</sub>	8	32.90	-18.35	0.01
	Min. H <sub>z</sub>	14	32.90	0.01	-18.87
	Min. M <sub>x</sub>	14	-1682.78	0.01	-18.87
	Min. M <sub>z</sub>	20	-1613.68	18.35	-0.01
	Min. Torsion	8	-2.41	-18.35	0.01

### Tower Mast Reaction Summary

Load Combination	Vertical	Shear <sub>x</sub>	Shear <sub>z</sub>	Overspinning Moment, M <sub>x</sub>	Overspinning Moment, M <sub>z</sub>	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	27.42	0.00	0.00	3.44	0.25	-0.00
1.2 Dead+1.0 Wind 0 deg -	32.90	0.01	-18.87	-1674.28	-0.79	-0.01
No Ice						
0.9 Dead+1.0 Wind 0 deg -	24.67	0.01	-18.87	-1643.89	-0.85	-0.01
No Ice						
1.2 Dead+1.0 Wind 30 deg -	32.90	9.18	-16.35	-1450.03	-807.21	1.16
No Ice						
0.9 Dead+1.0 Wind 30 deg -	24.67	9.18	-16.35	-1423.84	-792.23	1.11
No Ice						
1.2 Dead+1.0 Wind 60 deg -	32.90	15.90	-9.44	-836.10	-1397.40	2.05
No Ice						
0.9 Dead+1.0 Wind 60 deg -	24.67	15.90	-9.44	-821.45	-1371.39	1.96
No Ice						
1.2 Dead+1.0 Wind 90 deg -	32.90	18.35	-0.01	3.14	-1613.07	2.41
No Ice						
0.9 Dead+1.0 Wind 90 deg -	24.67	18.35	-0.01	1.99	-1583.04	2.31
No Ice						
1.2 Dead+1.0 Wind 120 deg -	32.90	15.89	9.43	842.68	-1396.32	2.12
- No Ice						
0.9 Dead+1.0 Wind 120 deg -	24.67	15.89	9.43	825.72	-1370.33	2.03
- No Ice						
1.2 Dead+1.0 Wind 150 deg -	32.90	9.17	16.34	1457.43	-805.33	1.24
- No Ice						
0.9 Dead+1.0 Wind 150 deg -	24.67	9.17	16.34	1428.91	-790.38	1.19
- No Ice						
1.2 Dead+1.0 Wind 180 deg -	32.90	-0.01	18.87	1682.78	1.40	0.01
- No Ice						
0.9 Dead+1.0 Wind 180 deg -	24.67	-0.01	18.87	1650.03	1.30	0.01
- No Ice						
1.2 Dead+1.0 Wind 210 deg -	32.90	-9.18	16.35	1458.51	807.84	-1.22
- No Ice						
0.9 Dead+1.0 Wind 210 deg -	24.67	-9.18	16.35	1429.97	792.69	-1.17
- No Ice						
1.2 Dead+1.0 Wind 240 deg -	32.90	-15.90	9.44	844.57	1398.02	-2.11
- No Ice						
0.9 Dead+1.0 Wind 240 deg -	24.67	-15.90	9.44	827.58	1371.85	-2.02
- No Ice						
1.2 Dead+1.0 Wind 270 deg -	32.90	-18.35	0.01	5.33	1613.68	-2.41
- No Ice						
0.9 Dead+1.0 Wind 270 deg -	24.67	-18.35	0.01	4.13	1583.48	-2.31
- No Ice						
1.2 Dead+1.0 Wind 300 deg -	32.90	-15.89	-9.43	-834.20	1396.92	-2.07
- No Ice						
0.9 Dead+1.0 Wind 300 deg -	24.67	-15.89	-9.43	-819.60	1370.77	-1.98
- No Ice						
1.2 Dead+1.0 Wind 330 deg -	32.90	-9.17	-16.34	-1448.94	805.93	-1.19
- No Ice						
0.9 Dead+1.0 Wind 330 deg -	24.67	-9.17	-16.34	-1422.77	790.82	-1.14
- No Ice						
Dead+Wind 0 deg - Service	27.42	0.00	-6.15	-537.50	-0.10	-0.00
Dead+Wind 30 deg - Service	27.42	2.99	-5.33	-465.22	-260.03	0.38
Dead+Wind 60 deg - Service	27.42	5.18	-3.08	-267.33	-450.21	0.66
Dead+Wind 90 deg - Service	27.42	5.98	-0.00	3.12	-519.70	0.77
Dead+Wind 120 deg -	27.42	5.18	3.07	273.67	-449.86	0.67
Service						
Dead+Wind 150 deg -	27.42	2.99	5.32	471.82	-259.42	0.39
Service						
Dead+Wind 180 deg -	27.42	-0.00	6.15	544.46	0.60	0.00
Service						
Dead+Wind 210 deg -	27.42	-2.99	5.33	472.17	260.53	-0.39
Service						
Dead+Wind 240 deg -	27.42	-5.18	3.08	274.29	450.72	-0.67
Service						
Dead+Wind 270 deg -	27.42	-5.98	0.00	3.83	520.21	-0.77
Service						
Dead+Wind 300 deg -	27.42	-5.18	-3.07	-266.72	450.37	-0.67

Load Combination	Vertical	Shear <sub>x</sub>	Shear <sub>z</sub>	Overspinning Moment, M <sub>x</sub>	Overspinning Moment, M <sub>z</sub>	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Service						
Dead+Wind 330 deg - Service	27.42	-2.99	-5.32	-464.86	259.92	-0.39

## Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-27.42	0.00	0.00	27.42	-0.00	0.000%
2	0.01	-32.90	-18.87	-0.01	32.90	18.87	0.000%
3	0.01	-24.67	-18.87	-0.01	24.67	18.87	0.000%
4	9.18	-32.90	-16.35	-9.18	32.90	16.35	0.000%
5	9.18	-24.67	-16.35	-9.18	24.67	16.35	0.000%
6	15.90	-32.90	-9.44	-15.90	32.90	9.44	0.000%
7	15.90	-24.67	-9.44	-15.90	24.67	9.44	0.000%
8	18.35	-32.90	-0.01	-18.35	32.90	0.01	0.000%
9	18.35	-24.67	-0.01	-18.35	24.67	0.01	0.000%
10	15.89	-32.90	9.43	-15.89	32.90	-9.43	0.000%
11	15.89	-24.67	9.43	-15.89	24.67	-9.43	0.000%
12	9.17	-32.90	16.34	-9.17	32.90	-16.34	0.000%
13	9.17	-24.67	16.34	-9.17	24.67	-16.34	0.000%
14	-0.01	-32.90	18.87	0.01	32.90	-18.87	0.000%
15	-0.01	-24.67	18.87	0.01	24.67	-18.87	0.000%
16	-9.18	-32.90	16.35	9.18	32.90	-16.35	0.000%
17	-9.18	-24.67	16.35	9.18	24.67	-16.35	0.000%
18	-15.90	-32.90	9.44	15.90	32.90	-9.44	0.000%
19	-15.90	-24.67	9.44	15.90	24.67	-9.44	0.000%
20	-18.35	-32.90	0.01	18.35	32.90	-0.01	0.000%
21	-18.35	-24.67	0.01	18.35	24.67	-0.01	0.000%
22	-15.89	-32.90	-9.43	15.89	32.90	9.43	0.000%
23	-15.89	-24.67	-9.43	15.89	24.67	9.43	0.000%
24	-9.17	-32.90	-16.34	9.17	32.90	16.34	0.000%
25	-9.17	-24.67	-16.34	9.17	24.67	16.34	0.000%
26	0.00	-27.42	-6.15	-0.00	27.42	6.15	0.000%
27	2.99	-27.42	-5.33	-2.99	27.42	5.33	0.000%
28	5.18	-27.42	-3.08	-5.18	27.42	3.08	0.000%
29	5.98	-27.42	-0.00	-5.98	27.42	0.00	0.000%
30	5.18	-27.42	3.07	-5.18	27.42	-3.07	0.000%
31	2.99	-27.42	5.32	-2.99	27.42	-5.32	0.000%
32	-0.00	-27.42	6.15	0.00	27.42	-6.15	0.000%
33	-2.99	-27.42	5.33	2.99	27.42	-5.33	0.000%
34	-5.18	-27.42	3.08	5.18	27.42	-3.08	0.000%
35	-5.98	-27.42	0.00	5.98	27.42	-0.00	0.000%
36	-5.18	-27.42	-3.07	5.18	27.42	3.07	0.000%
37	-2.99	-27.42	-5.32	2.99	27.42	5.32	0.000%

## Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00008344
3	Yes	5	0.00000001	0.00003142
4	Yes	6	0.00000001	0.00058553
5	Yes	6	0.00000001	0.00020148
6	Yes	6	0.00000001	0.00052666
7	Yes	6	0.00000001	0.00018081
8	Yes	5	0.00000001	0.00086932
9	Yes	5	0.00000001	0.00041348
10	Yes	6	0.00000001	0.00059848
11	Yes	6	0.00000001	0.00020590
12	Yes	6	0.00000001	0.00055321

13	Yes	6	0.00000001	0.00018829
14	Yes	5	0.00000001	0.00008703
15	Yes	5	0.00000001	0.00003319
16	Yes	6	0.00000001	0.00055643
17	Yes	6	0.00000001	0.00018927
18	Yes	6	0.00000001	0.00060063
19	Yes	6	0.00000001	0.00020649
20	Yes	5	0.00000001	0.00089194
21	Yes	5	0.00000001	0.00042428
22	Yes	6	0.00000001	0.00052454
23	Yes	6	0.00000001	0.00018012
24	Yes	6	0.00000001	0.00058442
25	Yes	6	0.00000001	0.00020117
26	Yes	4	0.00000001	0.00037724
27	Yes	5	0.00000001	0.00023236
28	Yes	5	0.00000001	0.00018699
29	Yes	5	0.00000001	0.00008266
30	Yes	5	0.00000001	0.00025293
31	Yes	5	0.00000001	0.00020582
32	Yes	4	0.00000001	0.00039563
33	Yes	5	0.00000001	0.00020785
34	Yes	5	0.00000001	0.00025404
35	Yes	5	0.00000001	0.00008342
36	Yes	5	0.00000001	0.00018617
37	Yes	5	0.00000001	0.00023246

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	118 - 77.04	29.252	32	2.1275	0.0211
L2	80.96 - 48.17	14.143	32	1.6792	0.0069
L3	52.83 - 0	5.904	32	1.0471	0.0028

### Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
121.50	Lightning Rod 7' x 9/16"	32	29.252	2.1275	0.0211	22298
120.00	AIR 32 B2A/B66AA w/ Mount Pipe	32	29.252	2.1275	0.0211	22298
107.00	APXVBBL20X_43-C-I20 w/ Mount Pipe	32	24.518	2.0264	0.0162	10135
97.00	RHSDC-3315-PF-48	32	20.335	1.9188	0.0121	5308
96.00	NHHSS-65C-R2B w/ Mount Pipe	32	19.927	1.9067	0.0117	5067
80.00	AIR 6419 B77G	32	13.801	1.6612	0.0066	2968
70.00	CMA- UBTULBULBHH/6516/16/21/21 w/ Mount Pipe	32	10.469	1.4508	0.0047	2511

### Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	118 - 77.04	90.096	14	6.4984	0.0653
L2	80.96 - 48.17	43.711	14	5.1867	0.0214
L3	52.83 - 0	18.258	14	3.2396	0.0088

### Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
121.50	Lightning Rod 7' x 9/16"	14	90.096	6.4984	0.0653	7559
120.00	AIR 32 B2A/B66AA w/ Mount Pipe	14	90.096	6.4984	0.0653	7559
107.00	APXVBBLL20X_43-C-I20 w/ Mount Pipe	14	75.579	6.2130	0.0502	3435
97.00	RHSDC-3315-PF-48	14	62.744	5.9027	0.0375	1797
96.00	NHHSS-65C-R2B w/ Mount Pipe	14	61.493	5.8672	0.0363	1715
80.00	AIR 6419 B77G	14	42.656	5.1320	0.0206	999
70.00	CMA- UBTULBULBHH/6516/16/21/21 w/ Mount Pipe	14	32.377	4.4876	0.0146	831

### Compression Checks

### Pole Design Data

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	ϕP <sub>n</sub> K	Ratio P <sub>u</sub> ϕP <sub>n</sub>
L1	118 - 77.04 (1)	TP27.2x18x0.1875	40.96	0.00	0.0	15.5518	-11.62	909.78	0.013
L2	77.04 - 48.17 (2)	TP33.18x25.9445x0.1875	32.79	0.00	0.0	19.0227	-23.45	1112.83	0.021
L3	48.17 - 0 (3)	TP43.5x31.7767x0.25	52.83	0.00	0.0	34.3189	-32.87	2007.65	0.016

### Pole Bending Design Data

Section No.	Elevation ft	Size	M <sub>ux</sub> kip-ft	ϕM <sub>nx</sub> kip-ft	Ratio M <sub>ux</sub> ϕM <sub>nx</sub>	M <sub>uy</sub> kip-ft	ϕM <sub>ny</sub> kip-ft	Ratio M <sub>uy</sub> ϕM <sub>ny</sub>
L1	118 - 77.04 (1)	TP27.2x18x0.1875	265.59	552.27	0.481	0.00	552.27	0.000
L2	77.04 - 48.17 (2)	TP33.18x25.9445x0.1875	718.39	754.76	0.952	0.00	754.76	0.000
L3	48.17 - 0 (3)	TP43.5x31.7767x0.25	1682.78	1828.22	0.920	0.00	1828.22	0.000

### Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V <sub>u</sub> K	ϕV <sub>n</sub> K	Ratio V <sub>u</sub> ϕV <sub>n</sub>	Actual T <sub>u</sub> kip-ft	ϕT <sub>n</sub> kip-ft	Ratio T <sub>u</sub> ϕT <sub>n</sub>
L1	118 - 77.04 (1)	TP27.2x18x0.1875	9.85	272.94	0.036	0.08	624.61	0.000
L2	77.04 - 48.17 (2)	TP33.18x25.9445x0.1875	17.45	333.85	0.052	0.01	934.53	0.000
L3	48.17 - 0 (3)	TP43.5x31.7767x0.25	18.91	602.30	0.031	0.01	2281.27	0.000

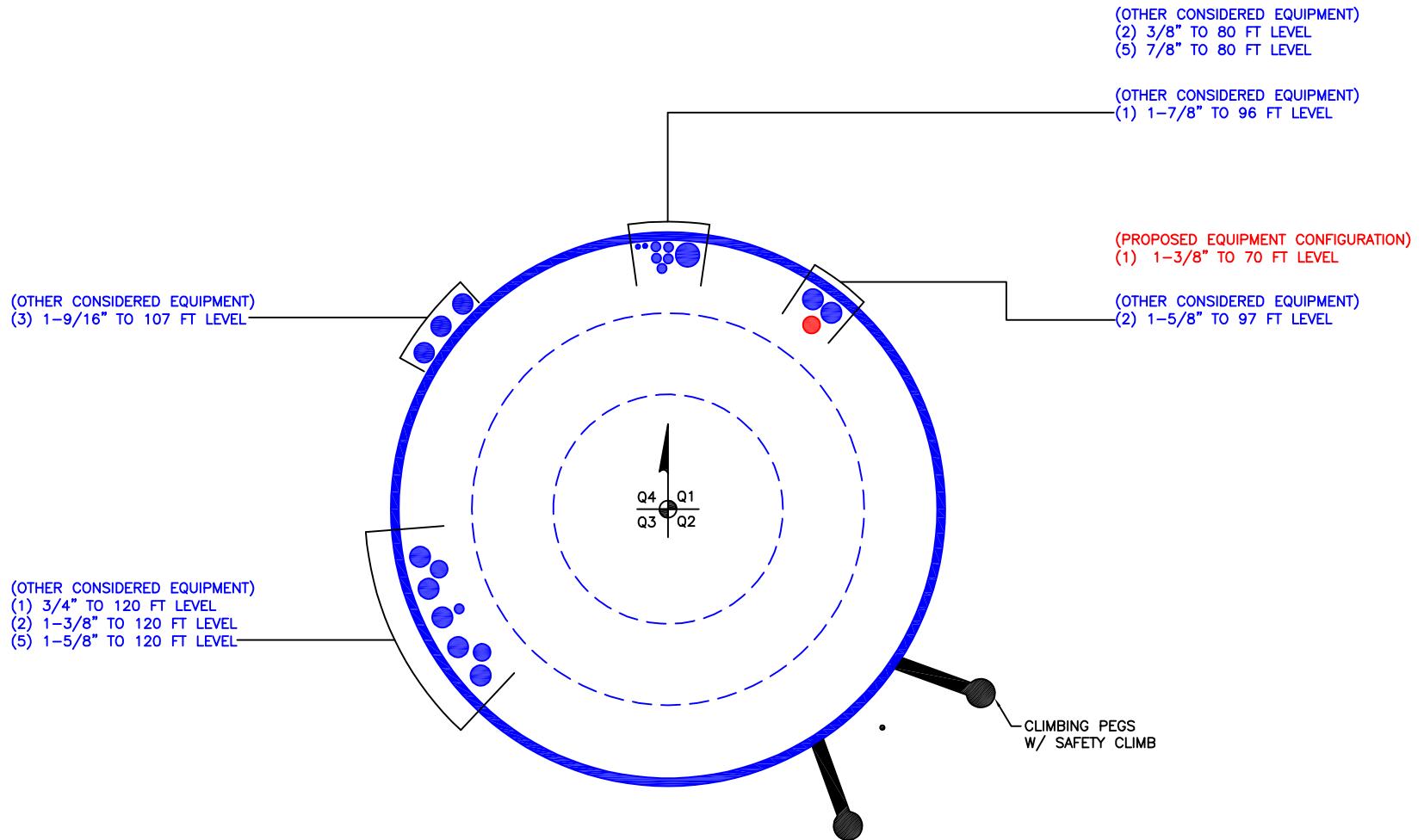
### Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	118 - 77.04 (1)	0.013	0.481	0.000	0.036	0.000	0.495	1.050	
L2	77.04 - 48.17 (2)	0.021	0.952	0.000	0.052	0.000	0.976	1.050	
L3	48.17 - 0 (3)	0.016	0.920	0.000	0.031	0.000	0.938	1.050	

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail
L1	118 - 77.04	Pole	TP27.2x18x0.1875	1	-11.62	955.27	47.1	Pass
L2	77.04 - 48.17	Pole	TP33.18x25.9445x0.1875	2	-23.45	1168.47	92.9	Pass
L3	48.17 - 0	Pole	TP43.5x31.7767x0.25	3	-32.87	2108.03	89.3	Pass
						Summary		
						Pole (L2)	92.9	Pass
						<b>RATING =</b>	<b>92.9</b>	<b>Pass</b>

**APPENDIX B**  
**BASE LEVEL DRAWING**



**APPENDIX C**  
**ADDITIONAL CALCULATIONS**

# Monopole Base Plate Connection

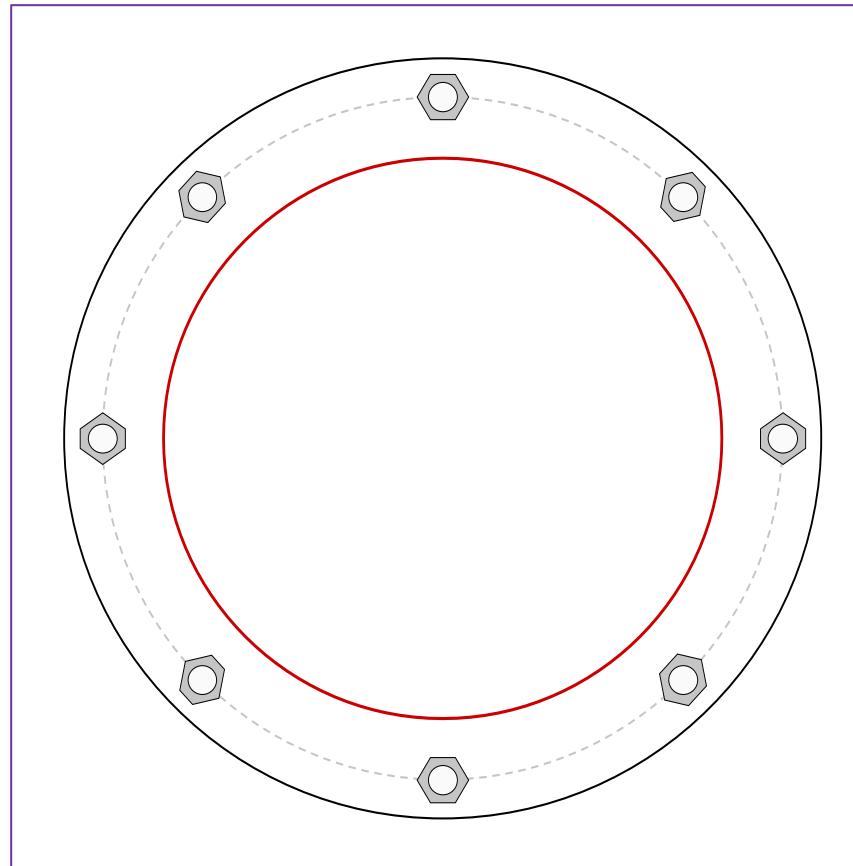


Site Info	
BU #	824322
Site Name	GrdnCity_Roe
Order #	655968 Rev. 5

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
$I_{ar}$ (in)	5.25

Applied Loads	
Moment (kip-ft)	1682.78
Axial Force (kips)	32.87
Shear Force (kips)	18.91

\*TIA-222-H Section 15.5 Applied



## Connection Properties

### Anchor Rod Data

(8) 2-1/4"  $\emptyset$  bolts (A615-75 N;  $F_y=75$  ksi,  $F_u=100$  ksi) on 53" BC

### Base Plate Data

59" OD x 1.75" Plate (A572-60;  $F_y=60$  ksi,  $F_u=75$  ksi)

### Stiffener Data

N/A

### Pole Data

43.5" x 0.25" 18-sided pole (A572-65;  $F_y=65$  ksi,  $F_u=80$  ksi)

## Analysis Results

### Anchor Rod Summary

		(units of kips, kip-in)
$P_{u,t}$ = 186.25	$\phi P_{n,t}$ = 243.75	Stress Rating
$V_u$ = 2.36	$\phi V_n$ = 149.1	72.8%
$M_u$ = n/a	$\phi M_n$ = n/a	Pass

### Base Plate Summary

Max Stress (ksi):	42.44	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	74.8%	Pass

## Drilled Pier Foundation

BU # :	824322
Site Name:	GrdnCity_Roe
Order Number:	655968 Rev. 5
TIA-222 Revision:	H
Tower Type:	Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	1682.78	
Axial Force (kips)	32.9	
Shear Force (kips)	18.87	

Material Properties	
Concrete Strength, f'c:	4 ksi
Rebar Strength, Fy:	60 ksi
Tie Yield Strength, Fyt:	60 ksi

Pier Design Data	
Depth	23 ft
Ext. Above Grade	1 ft
Pier Section 1	
From 1' above grade to 23' below grade	
Pier Diameter	6.5 ft
Rebar Quantity	30
Rebar Size	8
Rebar Cage Diameter	67 in
Tie Size	5
Tie Spacing	12 in

[Rebar & Pier Options](#)

[Embedded Pole Inputs](#)

[Bellied Pier Inputs](#)

Analysis Results			
Soil Lateral Check		Compression	Uplift
D <sub>v=0</sub> (ft from TOC)	5.93	-	
Soil Safety Factor	3.48	-	
Max Moment (kip-ft)	1800.28	-	
Rating*	36.4%	-	

Soil Vertical Check			
Soil Vertical Check		Compression	Uplift
Skin Friction (kips)	200.78	-	
End Bearing (kips)	269.08	-	
Weight of Concrete (kips)	93.65	-	
Total Capacity (kips)	469.86	-	
Axial (kips)	126.55	-	
Rating*	25.6%	-	

Reinforced Concrete Flexure			
Reinforced Concrete Flexure		Compression	Uplift
Critical Depth (ft from TOC)	5.80	-	
Critical Moment (kip-ft)	1800.18	-	
Critical Moment Capacity	3633.41	-	
Rating*	47.2%	-	

Reinforced Concrete Shear			
Reinforced Concrete Shear		Compression	Uplift
Critical Depth (ft from TOC)	17.83	-	
Critical Shear (kip)	211.89	-	
Critical Shear Capacity	606.01	-	
Rating*	33.3%	-	

Structural Foundation Rating*	47.2%
Soil Interaction Rating*	36.4%

\*Rating per TIA-222-H Section 15.5



Check Limitation		
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
N/A	<input type="checkbox"/>	

### Design Options

Input Effective Depths (else Actual):	<input type="checkbox"/>
Consider non-tapered moment capacity:	<input type="checkbox"/>
Check Shear along Depth of Pier:	<input checked="" type="checkbox"/>
Utilize Shear-Friction Methodology:	<input type="checkbox"/>
Override Critical Depth:	<input type="checkbox"/>

[Go to Soil Calculations](#)

Soil Profile		
Groundwater Depth	3	# of Layers

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ <sub>soil</sub> (pcf)	γ <sub>concrete</sub> (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	120	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3	5	2	57.6	87.6	0	38	0.000	0.000	0.32	0.21			Cohesionless
3	5	10	5	57.6	87.6	0	40	0.000	0.000	0.56	0.37			Cohesionless
4	10	15	5	57.6	87.6	0	31	0.000	0.000	0.43	0.28			Cohesionless
5	15	23	8	57.6	87.6	0	40	0.000	0.000	0.94	0.62	9.3		Cohesionless

# ASCE Hazards Report

**Address:**

No Address at This Location

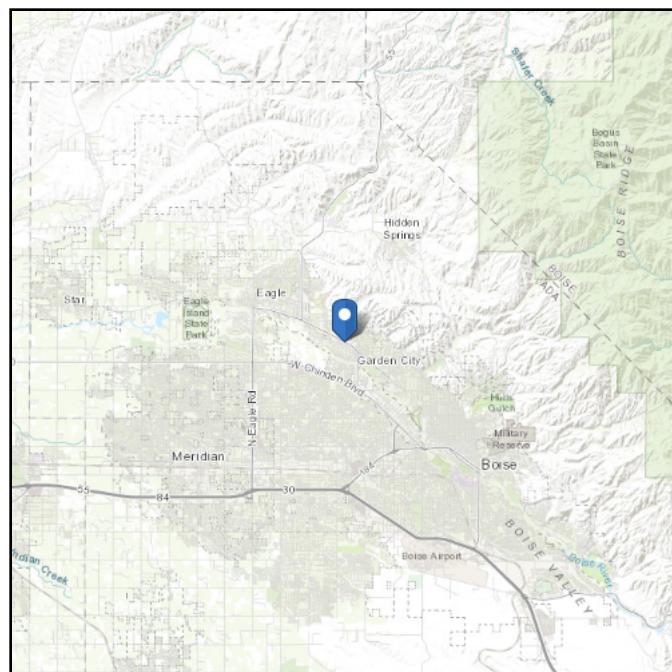
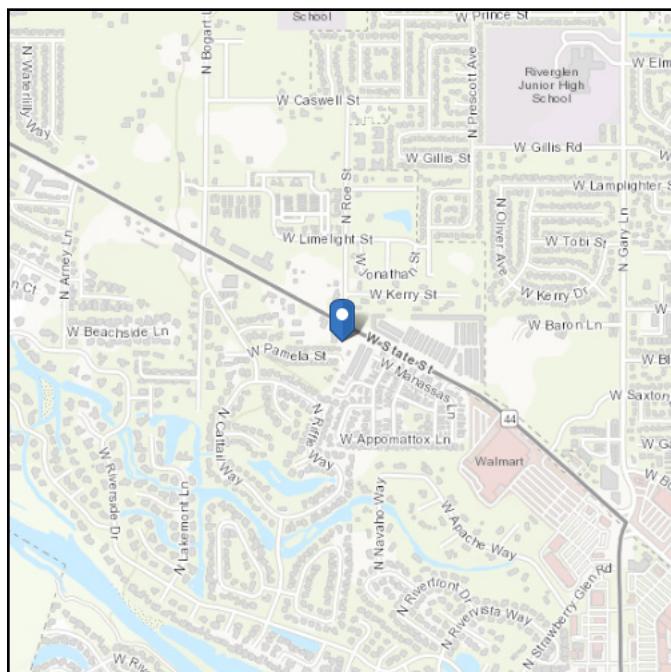
**Standard:** ASCE/SEI 7-16

**Risk Category:** II

**Soil Class:** D - Default (see Section 11.4.3)

**Latitude:** 43.672953

**Longitude:** -116.289242

**Elevation:** 2605.1169200304057 ft  
(NAVD 88)


## Wind

**Results:**

Wind Speed	102 Vmph
10-year MRI	71 Vmph
25-year MRI	77 Vmph
50-year MRI	82 Vmph
100-year MRI	87 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Fri Sep 13 2024

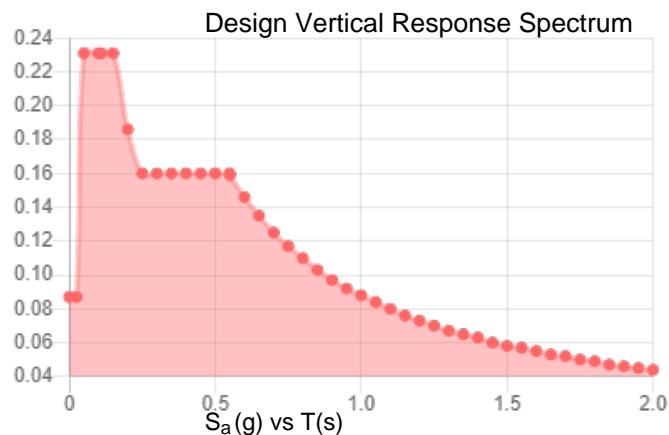
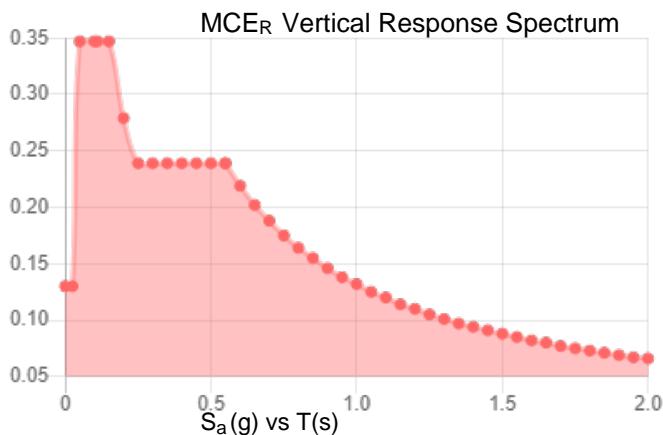
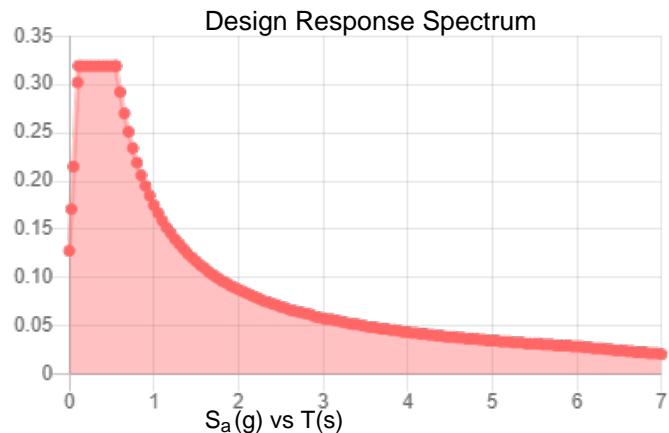
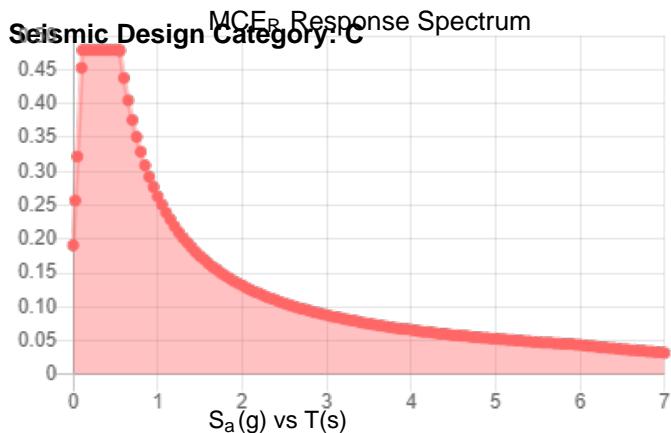
Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

**Site Soil Class:** D - Default (see Section 11.4.3)

**Results:**

$S_s$ :	0.308	$S_{D1}$ :	0.175
$S_1$ :	0.111	$T_L$ :	6
$F_a$ :	1.553	$PGA$ :	0.136
$F_v$ :	2.379	$PGA_M$ :	0.208
$S_{MS}$ :	0.479	$F_{PGA}$ :	1.527
$S_{M1}$ :	0.263	$I_e$ :	1
$S_{DS}$ :	0.319	$C_v$ :	0.905



**Data Accessed:**

Fri Sep 13 2024

**Date Source:**

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

## Ice

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### Results:

Ice Thickness: 0.50 in.

Concurrent Temperature: 15 F

Gust Speed 40 mph

**Data Source:** Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

**Date Accessed:** Fri Sep 13 2024

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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### WARRANTY DEED

#### FOR VALUE RECEIVED

Blynn Properties, L.L.C., a Limited Liability Company as to Parcel 1 and Blynn Properties, LLC, an Idaho Limited Liability Company as to Parcel 2 GRANTOR(s) does(do) hereby GRANT, BARGAIN, SELL and CONVEY unto:

DBII LLC , an Idaho limited liability company  
GRANTEE(s), whose current address is: 9884 Stony Brook Way, Middleton, ID 83644 the following described real property in Ada County, State of ID more particularly described as follows, to wit:

#### SEE ATTACHED EXHIBIT A

TO HAVE AND TO HOLD the said premises, with their appurtenances unto said Grantee(s), and Grantee(s) heirs and assigns forever. And Grantor(s) does(do) hereby covenant to and with said Grantee(s) that Grantor(s) is/are the owner(s) in fee simple of said premises, that said premises are free from all encumbrances, EXCEPT those to which this conveyance is expressly made subject and those made, suffered or done by the Grantee(s); and subject to reservations, restrictions, dedications, easements, rights of way and agreements, if any, of record, and general taxes and assessments, (including irrigation and utility assessments, if any) for the current year which are not yet due and payable and the Grantor(s) will warrant and defend the same from all lawful claims whatsoever.

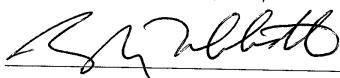
Dated this 10th day of June, 2020  
Blynn Properties, LLC an Idaho limited liability company as to Parcel 2 and Blynn Properties, L.L.C, an Idaho limited liability company as to Parcel 1

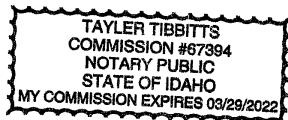
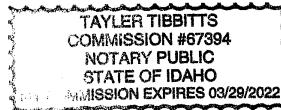
by:

Robert A Miller, Jr., Member

State of Idaho  
County Ada

On this 10<sup>th</sup> day of June, in the year of 2020, before me the undersigned Notary Public in and for said State, personally appeared Robert A. Miller Jr., known or identified to me to be the member, of the limited liability company that executed the instrument or the person who executed the instrument on behalf of said limited liability company and acknowledged to me that such limited liability company executed the same.

  
Notary Public for ID Atto  
Residing at: Kuna, ID  
My Commission Expires: 3/29/22



## EXHIBIT A

### Parcel I:

Commencing at the quarter section common to Section 23 and 24, Township 4 North, Range 1 East, Boise Meridian, Ada County, Idaho, thence  
South 89 degrees 37' East 1451.10 feet to an iron pin, thence  
North 83 degrees 21' West 299.67 feet to an iron pin, thence  
North 21 degrees 23'30" East 475.89 feet to an iron pin, thence  
North 62 degrees 00' West 127.49 feet to a point, thence  
North 26 degrees 22' East 286.30 feet to an iron pin, the REAL POINT OF BEGINNING, thence  
North 26 degrees 22' East 326.11 feet to a point on the Southerly boundary of the real right of way of  
Highway No. 44 thence  
North 61 degrees 50' West 159.98 feet along said right of way to an iron pin, thence  
South 0 degrees 35'30" West 367.72 feet to the REAL POINT OF BEGINNING.  
Except that portion conveyed to Ada County Highway District by Instrument No. 95052011, records of  
Ada County.

### Parcel II:

Lot 11 in Block 2 of Azalea Subdivision, according to the plat thereof file in Book 71 of Plats at Pages  
7243 and 7244, records of Ada County, Idaho and amended by Warranty Deed recorded December 27,  
1996 under Instrument No. 96106001.