STAFF REPORT FOR ADMINISTRATIVE PERMIT REVIEW OF MARCH 30, 2022

FILE NO: LU-2022-0044 **AGENDA ITEM:** 3.A.

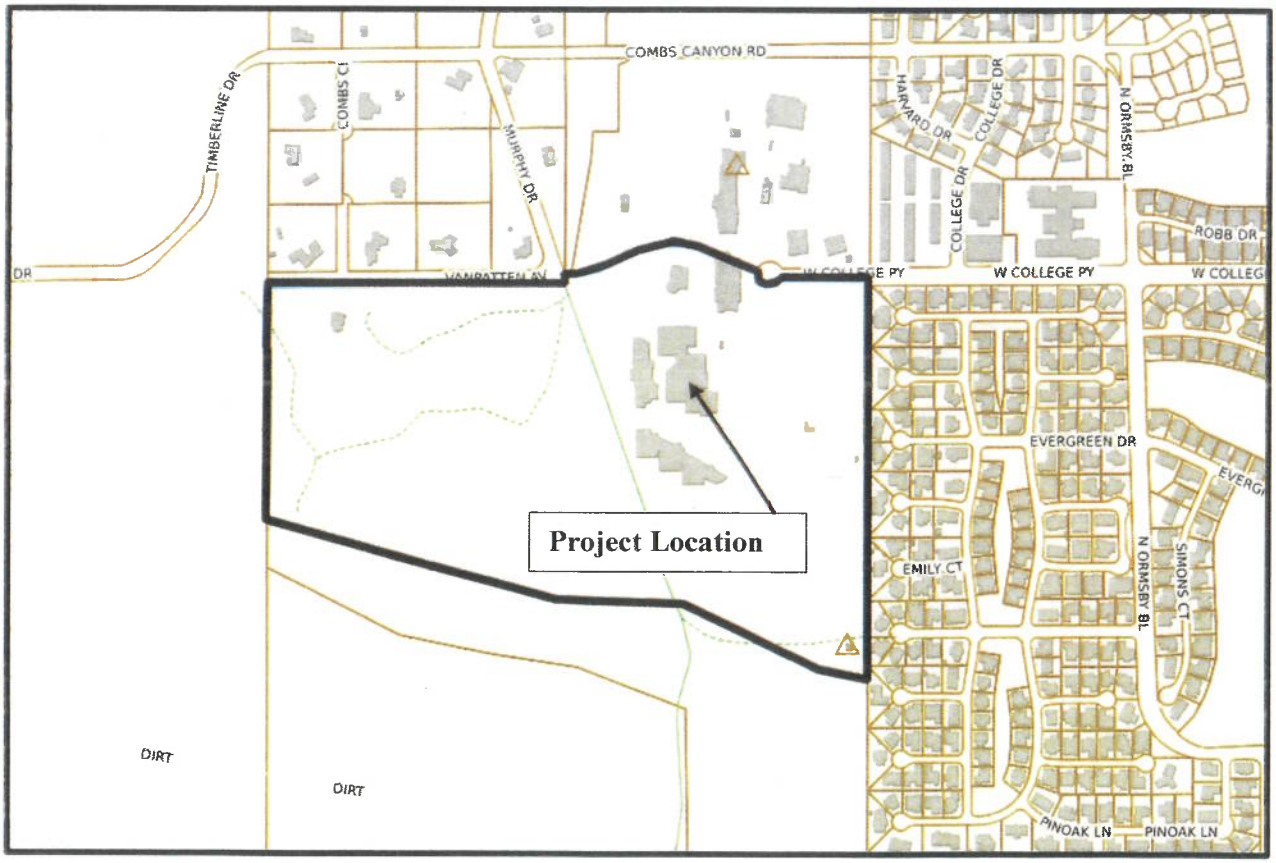
STAFF CONTACT: Lena Reseck, Assistant Planner

AGENDA TITLE: For Possible Action: Discussion and possible action regarding a request for an Administrative Permit to allow for the location of directional antennas and equipment on an existing public facility zoned Public Regional (PR) located at 2201 W. College Pkwy, APN 007-521-01. (Lena Reseck, lreseck@carson.org)

Summary: The applicant is proposing to locate 4 directional antennas on the rooftop and equipment within the existing equipment head-end room located inside the existing public facility. The antennas will be located five feet above the existing building height of 37 feet. Per Carson City Municipal Code ("CCMC") 18.15.025(2)(a) wireless telecommunication facilities and/or equipment may locate on an existing public facility provided that such installations do not increase the height of the existing structure by more than ten feet with the approval of an administrative permit.

RECOMMENDED ACTION: "I approve LU-2022-0044, based on the findings and subject to the conditions of approval contained in the staff report."

VICINITY MAP:



RECOMMENDED CONDITIONS OF APPROVAL:

The following shall be completed prior to commencement of the use:

1. The applicant must sign and return the Notice of Decision for conditions or approval within 10 days of receipt of notification. If the Notice of Decision is not signed and returned within 10 days, then the item may be rescheduled for the next Administrative Hearing Examiner meeting for further consideration.

2. All development shall be substantially in accordance with the development plans approved with this application, except as otherwise modified by these conditions of approval.

3. All on- and off-site improvements shall conform to City standards and requirements.

4. The applicant shall obtain a building permit from the Carson City Building Division prior to any proposed construction.

5. The applicant shall meet all the conditions of approval and commence the use for which this permit is granted within 12 months of the date of final approval. A single, one year extension of time may be granted if requested in writing to the Community Development Department 30 days prior to the one year expiration date. Should this permit not be initiated within one year and no extension granted, the permit shall become null and void.

The following shall be submitted with any building permit application:

6. The applicant shall submit a copy of the notice of decision, conditions of approval, and an explanation of how the request addresses each condition with the building permit application.

7. The antennas shall match the color of the existing public facility. The applicant shall provide the Planning Division with the proposed color choices for review and approval with the building permit.

The following applies to the site throughout the life of the project:

8. This permit shall become null and void and the wireless communication antennas, enclosures, and ancillary equipment shall be removed from the site if and when the use is abandoned for a period of more than 12 consecutive months.

LEGAL REQUIREMENTS: CCMC 18.02.110 (Administrative Permits), 18.04.185 (Public Regional Uses), 18.15 (Communication Facilities and Equipment), and Development Standards Division 1 Land Use and Site Design at 1.9 (Wireless Telecommunication Facilities and Equipment).

MASTER PLAN DESIGNATION: Public/Quasi-Public

PRESENT ZONING: Public Regional (PR)

KEY ISSUES: Will the proposed be in keeping with all the standards of the Carson City Municipal Code?

SURROUNDING ZONING AND LAND USE INFORMATION

WEST:	Conservation Reserve
EAST:	Single Family 12,000
NORTH:	Single Family 2 Acre/Public Regional
SOUTH:	Public Regional

ENVIRONMENTAL INFORMATION

FLOOD ZONE: X and X Shaded (Low-Risk Flood Zone)
EARTHQUAKE FAULT: Moderate and Variable Severity on site
SLOPE: Site is flat

SITE DEVELOPMENT INFORMATION

LOT SIZE: 84.87 acres
STRUCTURE SIZE/HEIGHT: The existing rooftop is 37 feet tall. The added antennas will be located 42 feet high not increasing the existing height by more than 10 feet. The equipment will be in an existing equipment head-end room located inside the existing public facility.

DISCUSSION:

CCMC Chapter 18.15 *Communication Facilities and Equipment* requires approval of an Administrative Permit for the locating of wireless telecommunication facilities and/or equipment on any existing public facility provided such installations do not increase the height of the existing structure by more than 10 feet.

AT&T Mobility is proposing to locate four antennas on the rooftop of an existing public facility and the installation of equipment in an existing equipment head-end room located inside the existing public facility.

PUBLIC COMMENTS: On March 16, 2022, public notices were mailed to 185 adjacent property owners within 900 feet of the subject site. As of the writing of this report, staff has not received any written comments either in favor of or in opposition to the proposal. Any comments that are received after this report is completed will be submitted to the Hearings Examiner prior to or at the meeting on March 30, 2022, depending on the date of submission of the comments to the Planning Division.

OTHER CITY DEPARTMENTS OR OUTSIDE AGENCY COMMENTS: The following comments were received by various city departments. Recommendations have been incorporated into the recommended conditions of approval, where applicable.

Fire Department:

1. Project must comply with the International Fire Code as adopted by the Nevada State Fire Marshal Division.
2. Project is for a State owned building so all fire approvals are through the Nevada State Fire Marshal Division.

FINDINGS: Staff's recommendation is based upon the findings as required by CCMC Section 18.02.080 (Special Use Permits) enumerated below and substantiated in the public record for the project.

1. ***Will be consistent with the master plan elements.***

The addition of antennas to an existing public facility rooftop is consistent with the Master Plan, specifically Goal 3.2c – Communication Facilities and Equipment "Ensure that communication facilities and equipment, such as rooftop antennas, are located and designed so as to not detract from the City's visual quality". The proposed AT&T Mobility facility is the least intrusive means to improve coverage and capacity relief by locating on an existing public facility and locating the equipment within an existing equipment head-end room located inside the existing public facility. The overall height will not increase more than 10 feet.

2. Will not be detrimental to the use, peaceful enjoyment, economic value, or development of surrounding properties or the general neighborhood; and will cause no objectionable noise, vibrations, fumes, odors, dust, glare, or physical activity.

The proposed project, as designed and conditioned, will not be detrimental to the use, peaceful enjoyment, economic value, or development of surrounding properties or the general neighborhood. The project will not cause objectionable noise, vibrations, fumes, odors, dust, glare, or physical activity. The equipment will be in an existing equipment head-end room located inside the existing public facility. Additionally, AT&T Mobility's installation will solely benefit the Western Nevada College Campus and will provide a certain area of the school with coverage and services.

3. Will have little or no detrimental effect on vehicular or pedestrian traffic.

Once the equipment is installed, traffic to the site will be related to maintenance of the equipment. The proposal will not have an impact on vehicular or pedestrian traffic.

4. Will not overburden existing public services and facilities, including schools, police and fire protection, water, sanitary sewer, public roads, storm drainage, and other public improvements.

The facility will be un-manned and therefore will not require the extension or expansion of any public services and facilities are adequate in the area to accommodate the proposed facility.

5. Meets the definition and specific standards set forth elsewhere in this title for such particular use and meets the purpose statement of that district.

Per CCMC 18.15.025(2)(a), Wireless telecommunication facilities and/or equipment may locate on any existing public facility subject to a building permit, approval of an administrative permit, and subject to Division 1.9 of the Carson City Development Standards, provided that such installations do not increase the height of the existing structure by more than 10 feet. Title 18 of the Development Standard provides standards for Development of Wireless Communication Facilities. Compliance with these provisions is outlined below:

1. *Location and Placement Standards.*

   The applicant is proposing to locate the antennas on an existing public facility. Per Development Standards, this is a more desirable method of placing antennas than constructing a new tower. The equipment will be in an existing equipment head-end room located inside the existing public facility.

   Either the applicant or co-applicant must be a carrier licensed by the Federal Communications Commission and submit documentation of the legal right to install and use the proposed facility.

Documentation has been submitted.

2. *Height and Dimensional Standards.*

   The antennas will be located 5 feet above the existing building height of 37 feet. The visual impact will be minimal.

3. *Setbacks.*

   The new equipment will be placed in an existing equipment head-end room located inside the existing public facility.

4. *Design Standards.*

   The proposed antennas will match the color of the existing public facility.

6. Will not be detrimental to the public health, safety, convenience, and welfare.

The proposed antennas and related equipment will not be detrimental to the public health, safety, convenience, and welfare, and will cause no adverse impacts to surrounding properties. The antennas will help increase wireless coverage for the Western Nevada College campus.

7. Will not result in material damage or prejudice to other property in the vicinity.

As noted above, the impacts of the proposed facility, with the recommended conditions of approval, will be minimal and will not result in material damage or prejudice to other property in the vicinity as the proposed antennas will be located on the rooftop of an existing public facility and the equipment will be in an existing equipment head-end room located inside the existing public facility.

Attachments:

Application LU-2022-0044

Carson City Planning Division
108 E. Proctor Street · Carson City NV 89701
Phone: (775) 887-2180 • E-mail: planning@carson.org

FOR OFFICE USE ONLY:

CCMC 18.02.080 Administrative

FILE # LU-2022-0044

SPECIAL USE PERMIT

FEE*: $2,450.00 MAJOR
$2,200.00 MINOR (Residential zoning districts)
+ noticing fee
*Due after application is deemed complete by staff

APPLICANT / PHONE #
New Cingular Wireless, LCS, PCS, C/O Complete Wireless Consulting - Macy Habibeh (916) 224-8018

MAILING ADDRESS, CITY, STATE, ZIP
2009 V Street, Sacramento, CA 95818

EMAIL ADDRESS
mhabibeh@completewireless.net

PROPERTY OWNER / PHONE #
Board of Regent - U N R

MAILING ADDRESS, CITY, STATE, ZIP
2601 Enterprise Road, Reno, NV 89512

EMAIL ADDRESS
craig.robinson@wnc.edu

APPLICANT AGENT/REPRESENTATIVE / PHONE #
Macy Habibeh (916) 224-8018

MAILING ADRESS, CITY STATE, ZIP
2009 V Street, Sacramento, CA 95818

EMAIL ADDRESS
mhabibeh@completewireless.net

☐ **SUBMITTAL PACKET – 4 Complete Packets (1 Unbound Original and 3 Copies) including:**
- ☑ Application Form
- ☑ Detailed Written Project Description
- ☑ Site Plan
- ☑ Building Elevation Drawings and Floor Plans
- ☐ Special Use Permit Findings
- ☑ Master Plan Policy Checklist
- ☑ Applicant's Acknowledgment Statement
- ☐ Documentation of Taxes Paid-to-Date
- ☐ Project Impact Reports (Engineering)

☐ **CD or USB DRIVE with complete application in PDF**

Application Received and Reviewed By:

_____

Submittal Deadline: Planning Commission application submittal schedule.

Note: Submittals must be of sufficient clarity and detail for all departments to adequately review the request. Additional information may be required.

Project's Assessor Parcel Number(s):	Street Address	
00752101	2201 W College Pkwy, Carson City, NV 89703	
Project's Master Plan Designation	**Project's Current Zoning**	**Nearest Major Cross Street(s)**
	PR- Parks & Recreation	Murphy Drive

Please provide a brief description of your proposed project and/or proposed use below. Provide additional pages to describe your request in more detai
Installation of 4 outdoor directional antennas (2 per sector; 2 sectors total) - mounted at rooftop of existing building
w/ 2 MBO units (1 per sector) - mounted behind panel antennas.

PROPERTY OWNER'S AFFIDAVIT

I, Craig Robinson, being duly deposed, do hereby affirm that I am the record owner of the subject property, and that I have knowledge of, and I agree to, the filing of this application.

Signature: _____ Address: 2201 W. College Pkwy Date: 1/7/2022

Use additional page(s) if necessary for additional owners.

STATE OF NEVADA)
COUNTY Carson)

On 1/7/2022, Craig Robinson, personally appeared before me, a notary public, personally known (or proved) to me to be the person whose name is subscribed to the foregoing document and who acknowledged to me that he/she executed the foregoing document.

Notary Public: Stephanie Swanson

STEPHANIE SWANSON
NOTARY PUBLIC
STATE OF NEVADA
No. 18-3835-3 My Appt. Exp. Sept. 28, 2022

NOTE: If your project is located within the Historic District or airport area, it may need to be scheduled before the Historic Resources Commission or th Airport Authority in addition to being scheduled for review by the Planning Commission. Planning staff can help you make this determination.

COMPLETE
Wireless Consulting, Inc.

Justification

AT&T Mobility's antennas will provide coverage to the Western Nevada College Campus. These sites are considered small cells, or micro cells, where they would solely benefit the local school. It would be a single, 5' antenna, rather than a Macro site that has 6-12 antennas on a 60-100' pole. We are doing this just to provide a certain area of the school with coverage and services.

COMPLETE
Wireless Consulting, Inc.

Special Use Permit Application Findings

CCMC 18.02.080(5) FINDINGS. Findings from a preponderance of evidence must indicate that the proposed use:

1. **Will be consistent with the objectives of the Master Plan elements.**

   AT&T Mobility's antennas will provide coverage to the Western Nevada College Campus. These sites are considered small cells, or micro cells, where they would solely benefit the local school. It would be a single, 5' antenna, rather than a Macro site that has 6-12 antennas on a 60-100' pole. We are doing this just to provide a certain area of the school with coverage and services.

2. **Will not be detrimental to the use, peaceful enjoyment, economic value, or development of surrounding properties or the general neighborhood; and is compatible with and preserves the character and integrity of adjacent development and neighborhoods or includes improvements or modifications either on-site or within the public right-of-way to mitigate development related to adverse impacts such as noise, vibrations, fumes, odors, dust, glare or physical activity.**

   A. AT&T Mobility's rooftop antennas will not be detrimental to the use, peaceful enjoyment, economic value, or development of surrounding properties or the general neighborhood. Western Nevada College is located in the PR zone and is currently a Community College.
   B. These antennas are 5' and painted to match the existing building. These antennas are solely providing service to the school itself and not the neighboring parcels. Since the antennas are so small, they cannot provide coverage to the neighboring parcels. These 5' antennas will have minimal impact on the overall visual of the roof. Please see attached photosimulations for reference on the minimal visual impact.
   C. Please see above.
   D. No outdoor lighting will be used.
   E. There will be no landscaping as we are collocating on a roof.
   F. These sites are considered small cells, or micro cells, where they would solely benefit the local school. It would be a single antenna, rather than a Macro site that has 6-12 antennas on a 60-100' pole. We are doing this just to provide a certain area of the school with coverage and services.

3. **Will have little or no detrimental effect on vehicular or pedestrian traffic.**

Explanation: **Consider the pedestrian and vehicular traffic that currently exists on the road serving your project. What impact will your development have to pedestrian and vehicular traffic when it is successfully operating? Will additional walkways and traffic lights be needed? Will you be causing traffic to substantially increase in the area? State how you have arrived at your conclusions.**

COMPLETE
Wireless Consulting, Inc.

As we are collocating on a roof, there will be no impact to pedestrian or vehicular traffic.

4. **Will not overburden existing public services and facilities, including schools, police and fire protection, water, sanitary sewer, public roads, storm drainage and other public improvements.**

A. AT&T Mobility antennas will have no impact on the items stated above.
B. These antennas will positively affect police and fire protection by provided better mobile coverage to the school.
C. N/A
D. N/A
E. N/A
F. N/A
G. N/A

5. **Meets the definition and specific standards set forth elsewhere in Carson City Municipal Code, Title 18 for such particular use and meets the purpose statement of that district.**

N/A – This is a telecommunications facility and cell towers are permitted in this zone.

6. **Will not be detrimental to the public health, safety, convenience and welfare.**

Explanation: Provide a statement explaining how your project will not be detrimental to the public health, safety, convenience and welfare. If applicable, provide information on any benefits that your project will provide to the general public.

The rooftop antennas will not be detrimental to the public health, safety, and convenience and welfare of others. The only people that these antennas will affect is anyone who comes to campus. Coverage will not reach off campus.

7. **Will not result in material damage or prejudice to other property in the vicinity, as a result of proposed mitigation measures.**

Explanation: Provide a statement explaining how your project will not result in material damage or prejudice to other property in the vicinity.

We are collocating on one roof on campus. There will be no material damage as the antennas are being placed on the roof.

If there is any additional information that would provide a clearer picture of your proposal that you would like to add for presentation to the Planning Commission, please be sure to include it in your detailed description.

Please type and sign the statement on the following page at the end of your findings response.

ACKNOWLEDGMENT OF APPLICANT

I certify that the forgoing statements are true and correct to the best of my knowledge and belief. I agree t fully comply with all conditions as established by the Planning Commission. I am aware that this perm becomes null and void if the use is not initiated within one-year of the date of the Planning Commission' approval; and I understand that this permit may be revoked for violation of any of the conditions of approval. further understand that approval of this application does not exempt me from all City code requirements.

Macy Habibeh

Digitally signed by Macy Habibeh
DN: cn=Macy Habibeh, o, ou, email=mhabibeh@completewireless.net, c=US
Date: 2022.01.10 09:22:29 -08'00'

Applicant's Signature

Macy Habibeh

Print Name

1/7/2022

Date

Master Plan Policy Checklist

Special Use Permits & Major Project Reviews & Administrative Permits

PURPOSE

The purpose of a development checklist is to provide a list of questions that address whether a development proposal is in conformance with the goals and objectives of the 2006 Carson City Master Plan that are related to non-residential and multi-family residential development. This checklist is designed for developers, staff, and decision-makers and is intended to be used as a guide only.

Development Name: _____

Reviewed By: _____

Date of Review: _____

DEVELOPMENT CHECKLIST

The following five themes are those themes that appear in the Carson City Master Plan and which reflect the community's vision at a broad policy level. Each theme looks at how a proposed development can help achieve the goals of the Carson City Master Plan. A check mark indicates that the proposed development meets the applicable Master Plan policy. The Policy Number is indicated at the end of each policy statement summary. Refer to the Comprehensive Master Plan for complete policy language.

CHAPTER 3: A BALANCED LAND USE PATTERN

The Carson City Master Plan seeks to establish a balance of land uses within the community by providing employment opportunities, a diverse choice of housing, recreational opportunities, and retail services.

Is or does the proposed development:

- ☑ Meet the provisions of the Growth Management Ordinance (1.1d, Municipal Code 18.12)?
- ☑ Use sustainable building materials and construction techniques to promote water and energy conservation (1.1e, f)?
- N/A ☐ Located in a priority infill development area (1.2a)?
- N/A ☐ Provide pathway connections and easements consistent with the adopted Unified Pathways Master Plan and maintain access to adjacent public lands (1.4a)?

- ☑ Protect existing site features, as appropriate, including mature trees or other character-defining features (1.4c)?
- ☑ At adjacent county boundaries or adjacent to public lands, coordinated with the applicable agency with regards to compatibility, access and amenities (1.5a, b)?
- ☑ In identified Mixed-Use areas, promote mixed-use development patterns as appropriate for the surrounding context consistent with the land use descriptions of the applicable Mixed-Use designation, and meet the intent of the Mixed-Use Evaluation Criteria (2.1b, 2.2b, 2.3b, Land Use Districts, Appendix C)?
- ☑ Meet adopted standards (e.g. setbacks) for transitions between non-residential and residential zoning districts (2.1d)?
- ☑ Protect environmentally sensitive areas through proper setbacks, dedication, or other mechanisms (3.1b)?
- ☑ Sited outside the primary floodplain and away from geologic hazard areas or follows the required setbacks or other mitigation measures (3.3d, e)?
- N/A ☐ Provide for levels of services (i.e. water, sewer, road improvements, sidewalks, etc.) consistent with the Land Use designation and adequate for the proposed development (Land Use table descriptions)?
- ☑ If located within an identified Specific Plan Area (SPA), meet the applicable policies of that SPA (Land Use Map, Chapter 8)?

CHAPTER 4: EQUITABLE DISTRIBUTION OF RECREATIONAL OPPORTUNITIES

The Carson City Master Plan seeks to continue providing a diverse range of park and recreational opportunities to include facilities and programming for all ages and varying interests to serve both existing and future neighborhoods.

Is or does the proposed development:

- ☑ Provide park facilities commensurate with the demand created and consistent with the City's adopted standards (4.1b)?
- ☑ Consistent with the Open Space Master Plan and Carson River Master Plan (4.3a)?

CHAPTER 5: ECONOMIC VITALITY

The Carson City Master Plan seeks to maintain its strong diversified economic base by promoting principles which focus on retaining and enhancing the strong employment base, include a broader range of retail services in targeted areas, and include the roles of technology, tourism, recreational amenities, and other economic strengths vital to a successful community.

Is or does the proposed development:

N/A ☐ Encourage a citywide housing mix consistent with the labor force and non-labor force populations (5.1j)
☐ Encourage the development of regional retail centers (5.2a)
☐ Encourage reuse or redevelopment of underused retail spaces (5.2b)?
☐ Support heritage tourism activities, particularly those associated with historic resources, cultural institutions and the State Capitol (5.4a)?
☐ Promote revitalization of the Downtown core (5.6a)?
☐ Incorporate additional housing in and around Downtown, including lofts, condominiums, duplexes, live-work units (5.6c)?

CHAPTER 6: LIVABLE NEIGHBORHOODS AND ACTIVITY CENTERS

The Carson City Master Plan seeks to promote safe, attractive and diverse neighborhoods, compact mixed-use activity centers, and a vibrant, pedestrian-friendly Downtown.

Is or does the proposed development:

☑ Use durable, long-lasting building materials (6.1a)?
N/A ☐ Promote variety and visual interest through the incorporation of varied building styles and colors, garage orientation and other features (6.1b)?
☑ Provide variety and visual interest through the incorporation of well-articulated building facades, clearly identified entrances and pedestrian connections, landscaping and other features consistent with the Development Standards (6.1c)?
☑ Provide appropriate height, density and setback transitions and connectivity to surrounding development to ensure compatibility with surrounding development for infill projects or adjacent to existing rural neighborhoods (6.2a, 9.3b 9.4a)?
☑ If located in an identified Mixed-Use Activity Center area, contain the appropriate mix, size and density of land uses consistent with the Mixed-Use district policies (7.1a, b)?
N/A ☐ If located Downtown:
- ☐ Integrate an appropriate mix and density of uses (8.1a, e)?
- ☐ Include buildings at the appropriate scale for the applicable Downtown Character Area (8.1b)?
- ☐ Incorporate appropriate public spaces, plazas and other amenities (8.1d)?

☐ Incorporate a mix of housing models and densities appropriate for the project location and size (9.1a)?

CHAPTER 7: A CONNECTED CITY

The Carson City Master Plan seeks promote a sense of community by linking its many neighborhoods, employment areas, activity centers, parks, recreational

amenities and schools with an extensive system of interconnected roadways, multi-use pathways, bicycle facilities, and sidewalks.

Is or does the proposed development:

N/A ☐ Promote transit-supportive development patterns (e.g. mixed-use, pedestrian-oriented, higher density) along major travel corridors to facilitate future transit (11.2b)?

☐ Maintain and enhance roadway connections and networks consistent with the Transportation Master Plan (11.2c)?

☐ Provide appropriate pathways through the development and to surrounding lands, including parks and public lands, consistent with the Unified Pathways Master Plan (12.1a, c)?

ULS License

PCS Broadband License - KNLF209 - AT&T Mobility Spectrum LLC

Call Sign	KNLF209	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	MTA004 - San Francisco-Oakland-San Jose	Channel Block	B
Submarket	49	Associated Frequencies (MHz)	001870.00000000-001885.00000000 001950.00000000-001965.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	06/10/2015	Expiration	06/23/2025
Effective	09/21/2018	Cancellation	

Buildout Deadlines

1st	06/23/2000	2nd	06/23/2005

Discontinuance Dates

1st		2nd	

Notification Dates

1st	05/04/2000	2nd	08/15/2003

Licensee

FRN	0014980726	Type	Limited Liability Company

Licensee

AT&T Mobility Spectrum LLC
208 S. Akard St., RM 1015
Dallas, TX 75202
ATTN Cecil J Mathew

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC
Cecil J Mathew
208 S Akard St. RM 1015
Dallas, TX 75202
ATTN Michael P. Goggin

P:(855)699-7073
F:(214)746-6410
E:FCCMW@ATT.COM

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity Gender

ULS License

PCS Broadband License - KNLG525 - AT&T Mobility Spectrum LLC

Call Sign	KNLG525	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	BTA372 - Reno, NV	Channel Block	D
Submarket	0	Associated Frequencies (MHz)	001865.00000000-001870.00000000 001945.00000000-001950.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	04/07/2017	Expiration	04/28/2027
Effective	09/21/2018	Cancellation	

Buildout Deadlines

1st	04/28/2002	2nd	

Discontinuance Dates

1st		2nd	

Notification Dates

1st	04/17/2002	2nd	

Licensee

FRN	0014980726	Type	Limited Liability Company

Licensee

AT&T Mobility Spectrum LLC
208 S. Akard St., RM 1015
Dallas, TX 75202
ATTN Cecil J Mathew

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC
Cecil J Mathew
208 S Akard St. RM 1015
Dallas, TX 75202
ATTN Reginald Youngblood

P:(855)699-7073
F:(214)746-6410
E:FCCMW@ATT.COM

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

PCS Broadband License - WQJT226 - AT&T Mobility Spectrum LLC

Call Sign	WQJT226	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	MTA004 - San Francisco-Oakland-San Jose	Channel Block	B
Submarket	46	Associated Frequencies (MHz)	001870.00000000-001885.00000000 001950.00000000-001965.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	06/10/2015	Expiration	06/23/2025
Effective	09/25/2018	Cancellation	

Buildout Deadlines

1st	2nd

Discontinuance Dates

1st	2nd

Notification Dates

1st	2nd

Licensee

FRN	0014980726	Type	Limited Liability Company

Licensee

AT&T Mobility Spectrum LLC
208 S. Akard St., RM 1015
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Contact

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Dallas, TX 75202
ATTN Michael P. Goggin

P:(855)699-7073
F:(214)746-6410
E:FCCMW@ATT.COM

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQGD733 - AT&T Mobility Spectrum LLC

Call Sign	WQGD733	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	CMA545 - Nevada 3 - Storey	Channel Block	A
Submarket	0	Associated Frequencies (MHz)	001710.00000000-001720.00000000 002110.00000000-002120.00000000

3.7 GHz License Type	3.7 GHz Linked License

Dates

Grant	01/07/2022	Expiration	12/18/2036
Effective	01/07/2022	Cancellation	

Buildout Deadlines

1st	2nd

Discontinuance Dates

1st	2nd

Notification Dates

1st		2nd	10/27/2021

Licensee

FRN	0014980726	Type	Limited Liability Company

Licensee

AT&T Mobility Spectrum LLC
208 S. Akard St., RM 2100
Dallas, TX 75202
ATTN FCC Group

P:(855)699-7073
E:FCCMW@att.com

Contact

AT&T Services, Inc.
Cecil J Mathew
208 S Akard St., RM 2100
Dallas, TX 75202

P:(855)699-7073
E:FCCMW@att.com

Ownership and Qualifications

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

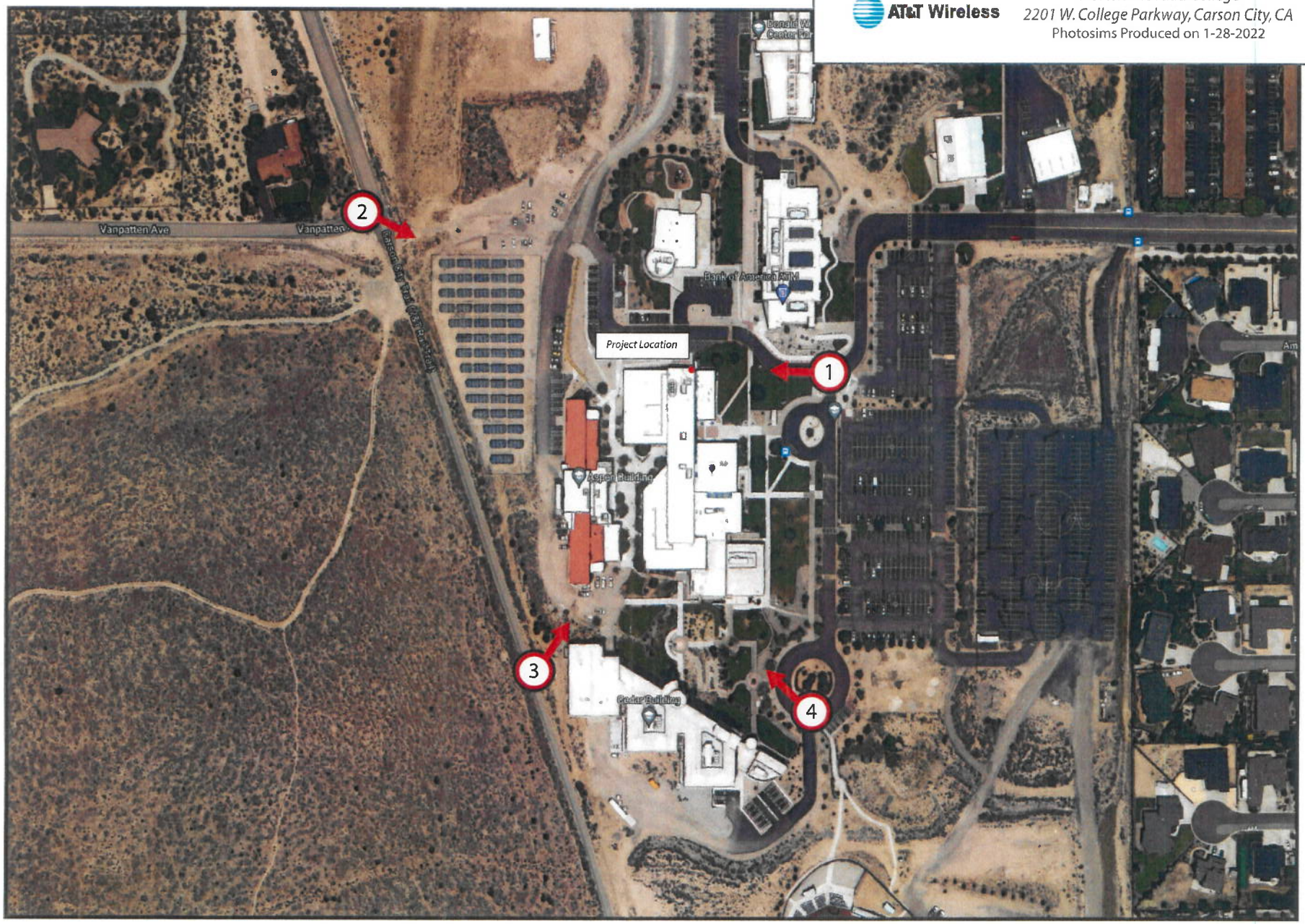
Demographics

Race

Ethnicity Gender

AT&T Wireless

Western Nevada College
2201 W. College Parkway, Carson City, CA
Photosims Produced on 1-28-2022

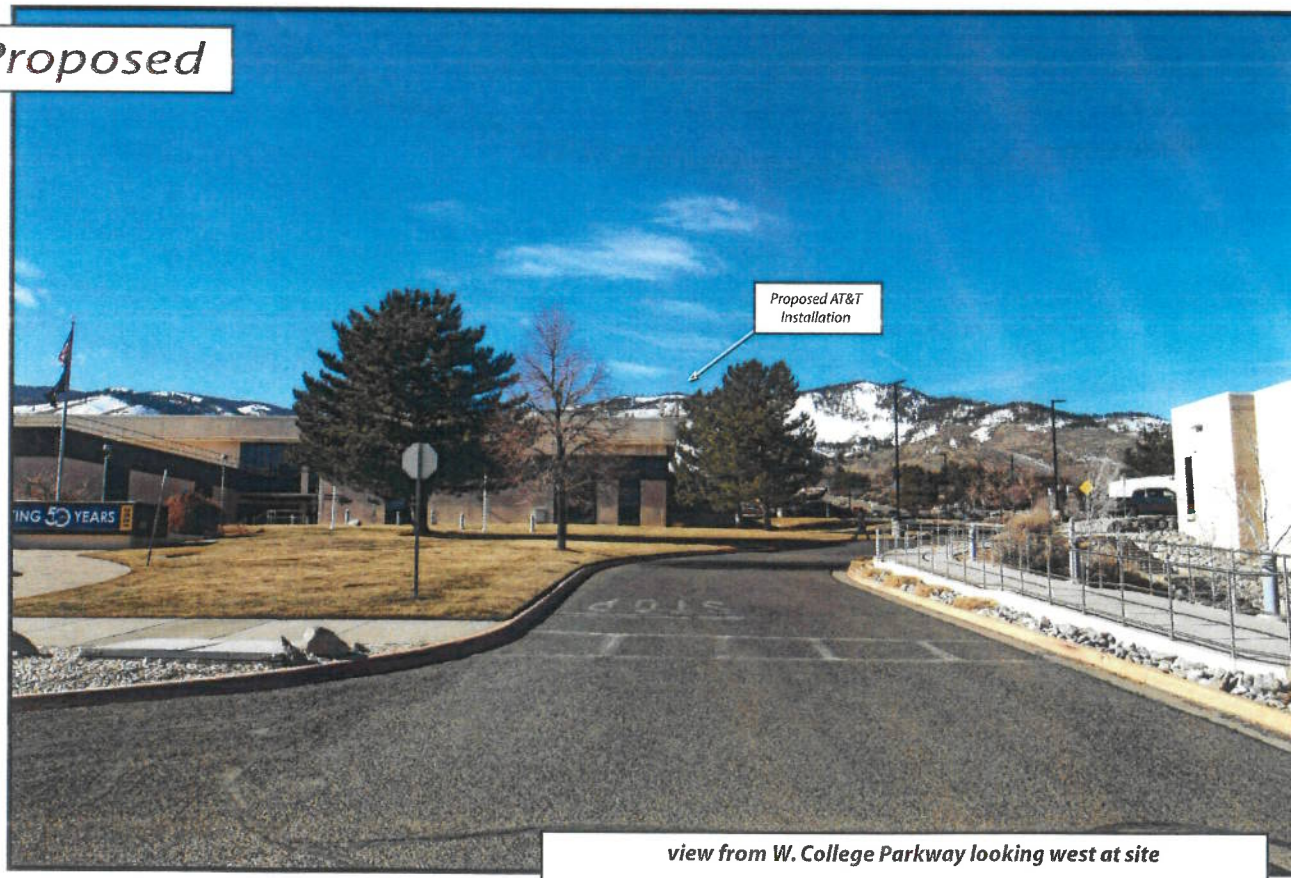


AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

Existing

Proposed



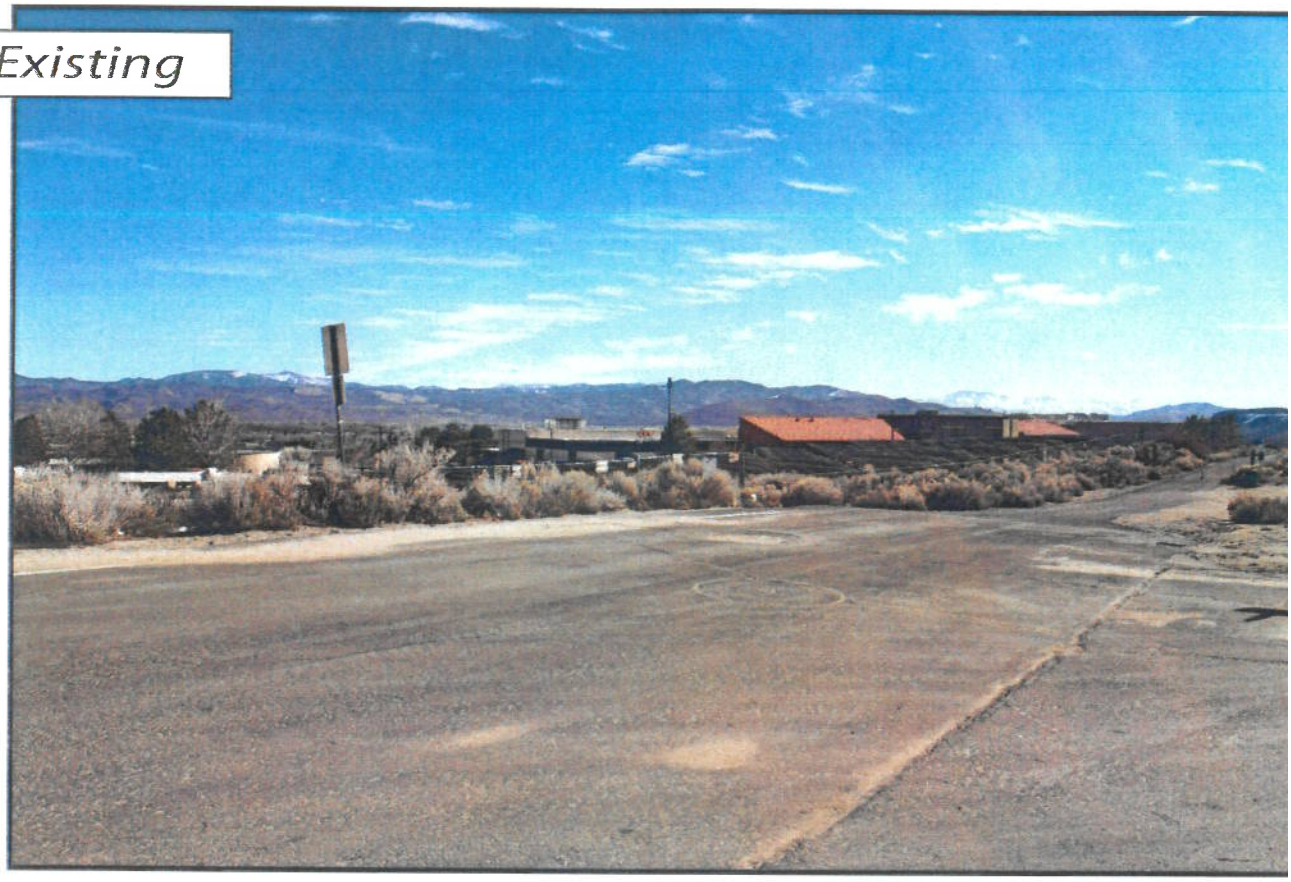
view from W. College Parkway looking west at site

AT&T Wireless

Western Nevada College
2201 W. College Parkway, Carson City, CA
Photosims Produced on 1-28-2022

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing



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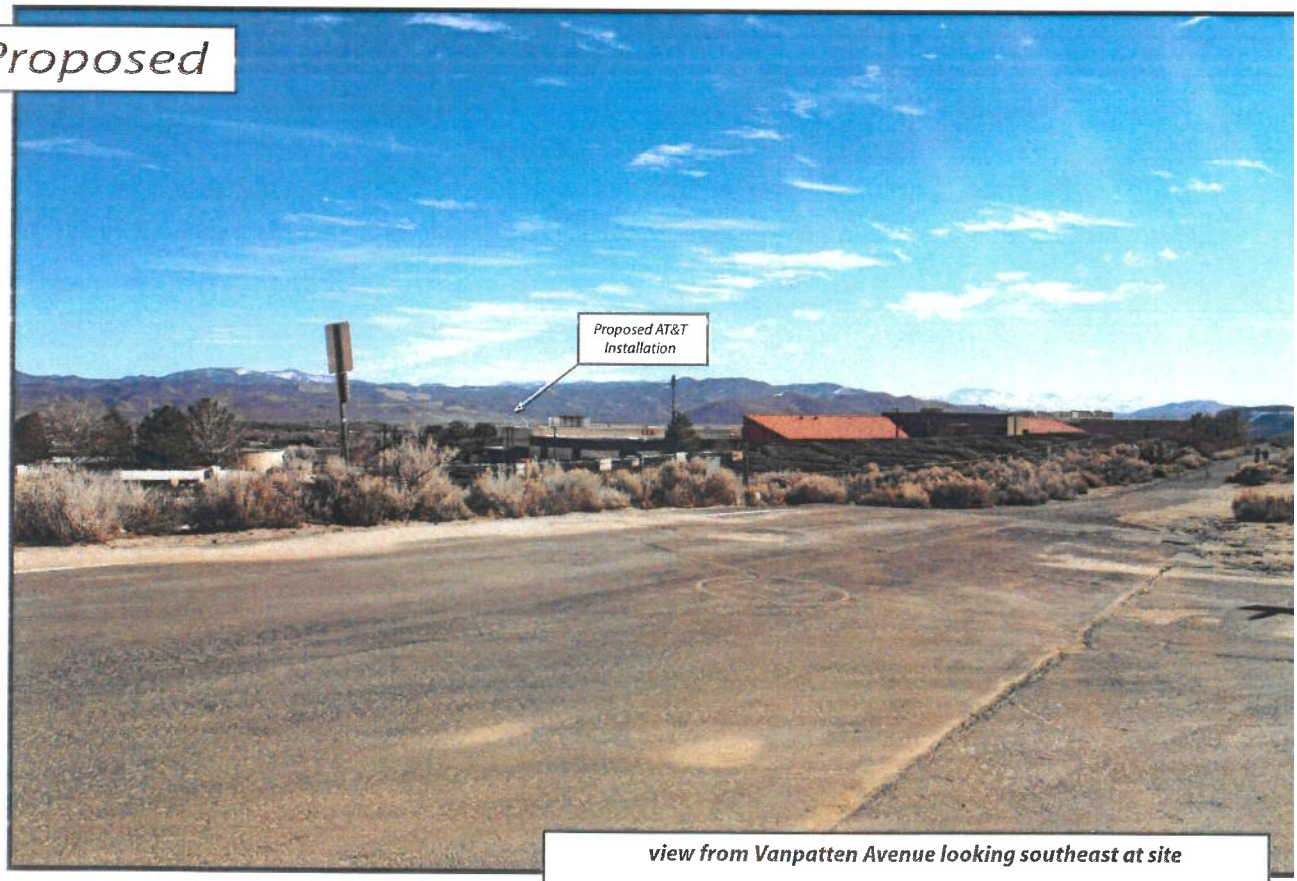


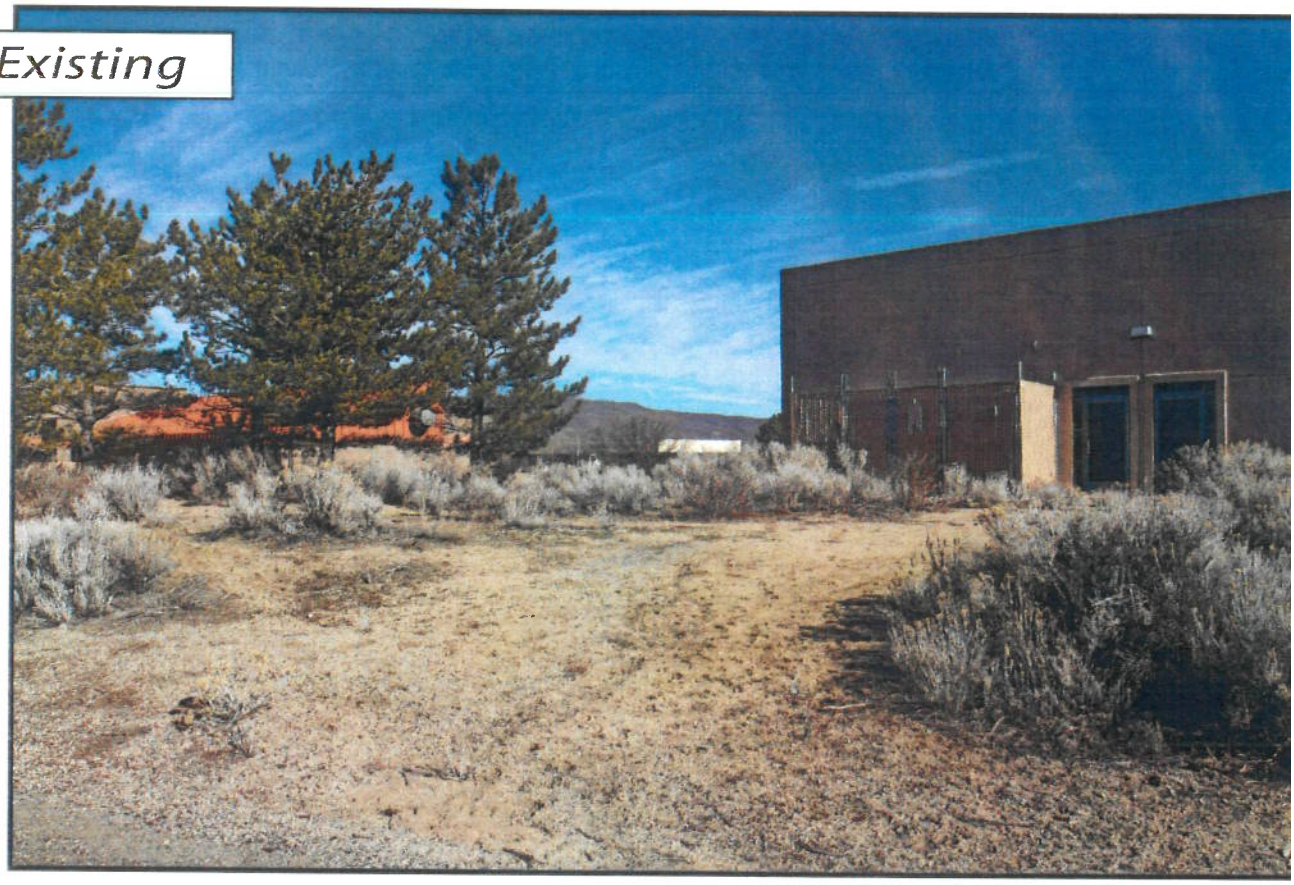
view from Vanpatten Avenue looking southeast at site

AT&T Wireless

Western Nevada College
2201 W. College Parkway, Carson City, CA
Photosims Produced on 1-28-2022

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing



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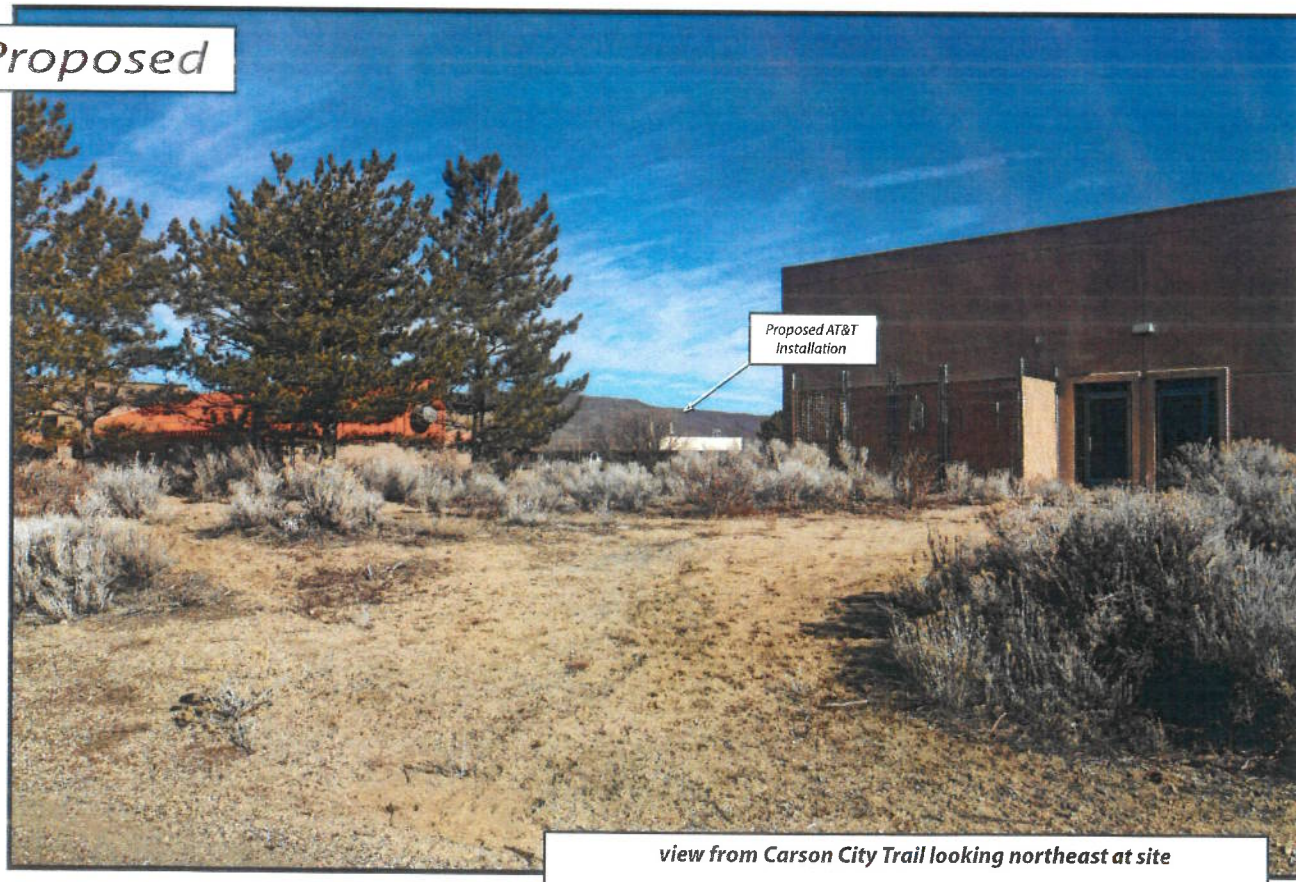


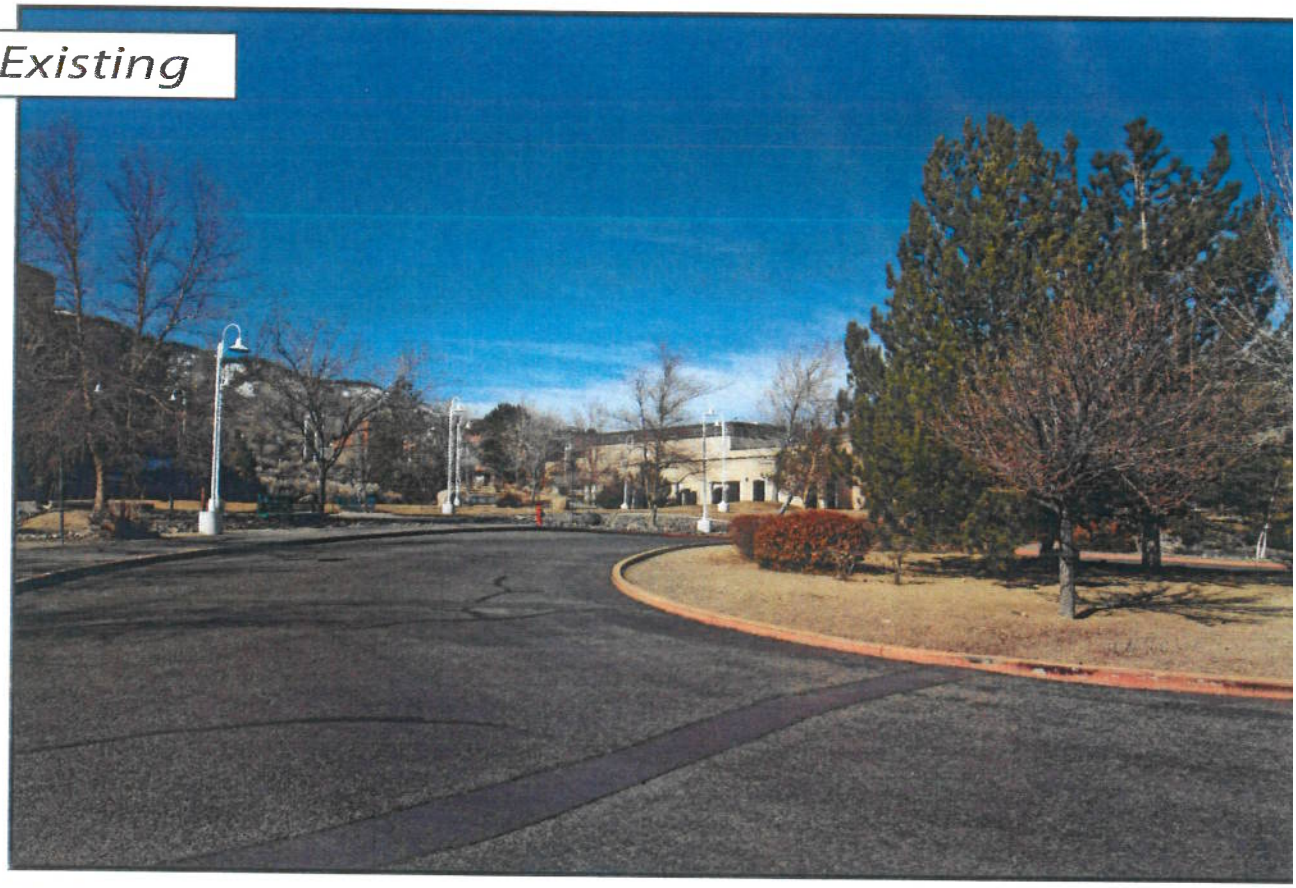
AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

view from Carson City Trail looking northeast at site

AT&T Wireless

Western Nevada College
2201 W. College Parkway, Carson City, CA
Photosims Produced on 1-28-2022

Existing



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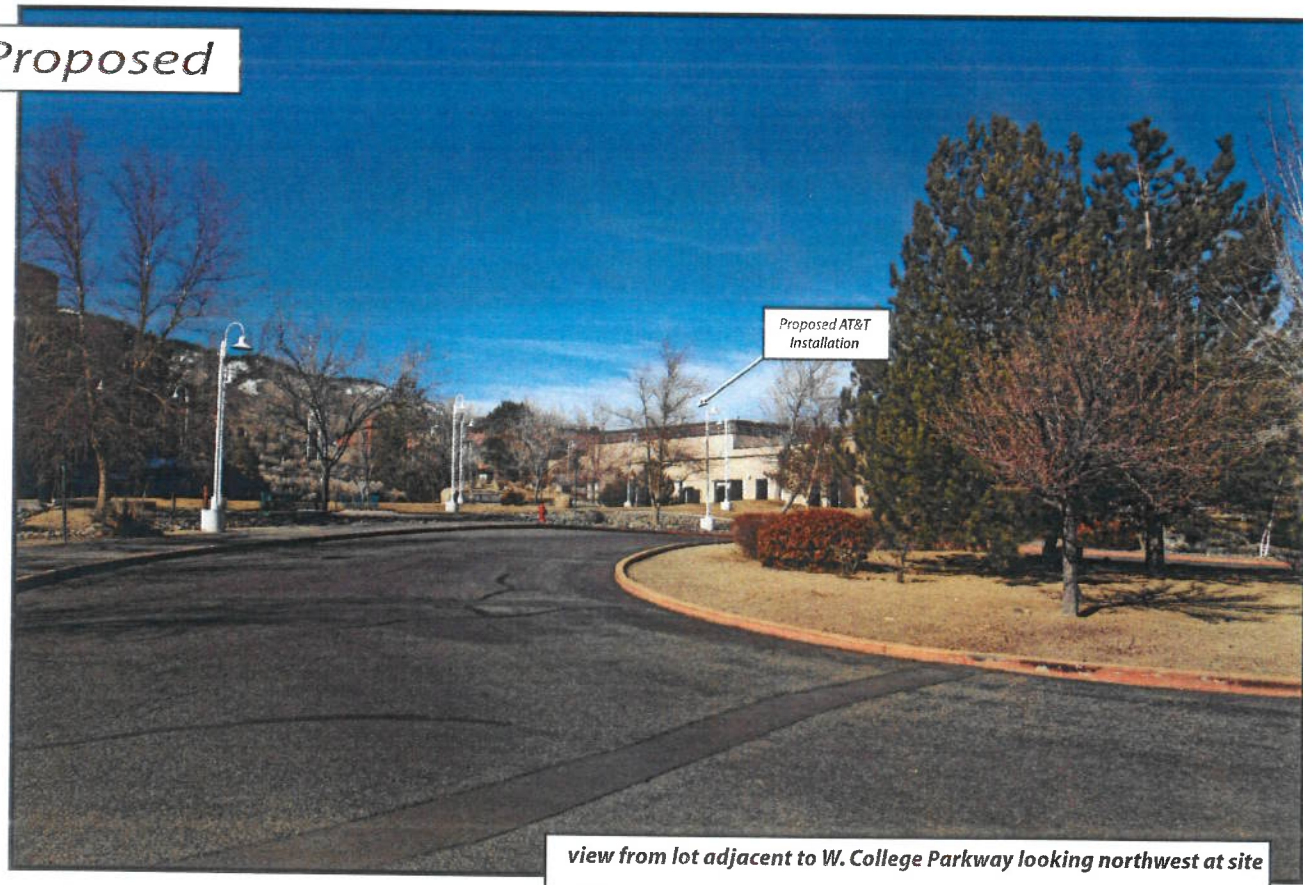

view from lot adjacent to W. College Parkway looking northwest at site

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

AT&T Wireless

Western Nevada College
2201 W. College Parkway, Carson City, CA
Photosims Produced on 1-28-2022

WESTERN NEVADA COLLEGE

2201 W COLLEGE PKWY
CARSON CITY, NV 89703

PROJECT REFERENCE NUMBERS

SITE I.D.:	.
US I.D.:	.
FA NO.:	15456809
ORACLE NO.:	.
PACE NO.:	MRSFR075488
PROGRAM:	.

APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTORS' WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

2018 EDITION OF THE INTERNATIONAL BUILDING CODE.
2018 EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE.
2018 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
2018 EDITION OF THE UNIFORM MECHANICAL CODE.
2018 EDITION OF THE UNIFORM PLUMBING CODE.
2017 EDITION OF THE NATIONAL ELECTRICAL CODE.

SUBCONTRACTORS' WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES AND CITY/COUNTY ORDINANCES.

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY IS EXEMPT BASED ON ADA STANDARDS 203.5 AND CBC 11B-203.5 "MACHINERY SPACES."

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

VICINITY MAP

PROJECT TEAM

APPLICANT/LESSEE:
AT&T MOBILITY
2700 WATT AVENUE, 3473-34
SACRAMENTO, CA 95821
CONTACT: JED PETERS
PHONE: (916) 385-1466

OWNER:
BOARD OF REGENTS - U N R
2601 ENTERPRISE RD
RENO, NV 89512-0000
PHONE: TBD

SAQ/ZONING/PERMITTING:
COMPLETE WIRELESS CONSULTING
2009 V STREET
SACRAMENTO, CA 95818
CONTACT: MACY HABIBEH
PHONE: (916) 224-8018

ARCHITECT:
DELTA GROUPS ENGINEERING
6800 KOLL CENTER PARKWAY,
SUITE 225
PLEASANTON, CA 94566
PHONE: (925) 468-0115

STRUCTURAL:
DELTA GROUPS ENGINEERING
6800 KOLL CENTER PARKWAY,
SUITE 225
PLEASANTON, CA 94566
PHONE: (925) 468-0115

CONSTRUCTION:
TOTAL ENVIRONMENTAL & POWER SYSTEMS, INC.
2500 BISSO LN. SUITE 500
CONCORD, CA 94520
CONTACT: TONY PACHAO
PHONE: (925) 681-2238

RF ENGINEER:
AT&T MOBILITY
5001 EXECUTIVE PARKWAY, 4W750D
SAN RAMON, CA 94583
CONTACT: BRETT LAWLESS
PHONE: (916) 716-9276

SITE DIRECTIONS

FROM AT&T MOBILITY OFFICES LOCATED AT 2700 WATT AVENUE IN SACRAMENTO, CA:

HEAD WEST TOWARD KINGS WAY. TURN LEFT TOWARD KINGS WAY. TURN RIGHT ONTO KINGS WAY. TURN RIGHT AT THE 1ST CROSS STREET ONTO WATT AVE. USE THE RIGHT LANE TO TAKE THE I-80 RAMP TO RENO. MERGE ONTO I-80BL E. USE THE LEFT 3 LANES TO MERGE ONTO I-80 E TOWARD RENO. ENTERING NEVADA. USE THE RIGHT 2 LANES TO TAKE EXIT 15 TO MERGE ONTO I-580 S/US-395 S TOWARD CARSON CITY. KEEP LEFT TO CONTINUE ON I-580 S. TAKE EXIT 8 FOR US-395 BUS/N CARSON STREET. CONTINUE ONTO US-395 BUS/N CARSON ST. PASS BY TACO BELL (ON THE LEFT). TURN RIGHT ONTO W COLLEGE PKWY. DESTINATION WILL BE ON THE RIGHT.

PROJECT DESCRIPTION

SCOPE OF WORK:

THIS IS AN APPLICATION FOR A NEW, UNMANNED AT&T MOBILITY SERVICES FACILITY CONSISTING OF:

- THE INSTALLATION OF TELECOMMUNICATIONS EQUIPMENT WITHIN EXISTING EQUIPMENT RACK INSIDE EXISTING 'COMMUNICATIONS HEAD-END ROOM (211)' INSIDE EXISTING 'BRISTLECONE' BUILDING.
- THE INSTALLATION OF FOUR (4) OUTDOOR DIRECTIONAL ANTENNAS (2 PER SECTOR; 2 SECTORS TOTAL) - MOUNTED AT ROOFTOP OF EXISTING BUILDING W/ (2) MBO UNITS (1 PER SECTOR) - MOUNTED BEHIND PANEL ANTENNA(S).
- THE INSTALLATION OF ASSOCIATED COMMUNICATIONS AND UTILITIES WIRING AS REQUIRED.

PROJECT INFORMATION

SITE ADDRESS:
2201 W COLLEGE PKWY
CARSON CITY, NV 89703

PROPERTY OWNER:
MENDOCINO COLLEGE (MCC)
1000 HENSLEY CREEK RD.
UKIAH, CA 95482
PHONE: (707) 648-3072

LATITUDE (NAD83):
SECTOR 1: 39.191069
SECTOR 2: 39.184922

LONGITUDE (NAD83):
SECTOR 1: -119.791069
SECTOR 2: -119.791228

ELEVATION:
TBD

A.P.N.:
00752101

JURISDICTION:
MENDOCINO COUNTY

ZONE:
PR - PARKS & RECREATION

OCCUPANCY TYPE:
TBD

TYPE OF CONSTRUCTION:
TYPE III

DRAWING INDEX

LEGEND

2

NEW ANTENNA	GROUT OR PLASTER
EXISTING ANTENNA	(E) BRICK
GROUND ROD	(E) MASONRY
GROUND BUS BAR	CONCRETE
MECHANICAL GRND. CONN.	EARTH
CADWELD	GRAVEL
GROUND ACCESS WELL	PLYWOOD
ELECTRIC BOX	SAND
TELEPHONE BOX	WOOD CONT.
LIGHT POLE	WOOD BLOCKING
FND. MONUMENT	STEEL
SPOT ELEVATION	CENTERLINE
SET POINT	PROPERTY/LEASE LINE
REVISION	MATCH LINE
GRID REFERENCE	WORK POINT
DETAIL REFERENCE	GROUND CONDUCTOR
ELEVATION REFERENCE	TELEPHONE CONDUIT
SECTION REFERENCE	ELECTRICAL CONDUIT
	COAXIAL CABLE
	OVERHEAD SERVICE CONDUCTORS
	CHAIN LINK FENCING

ABBREVIATIONS

3

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AGL	ABOVE GROUND LEVEL
ALUM.	ALUMINUM
ALT.	ALTERNATE
AMSL	ABOVE SEA LEVEL
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
B/U	BACK-UP CABINET
CAB.	CABINET
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXIST.(E)	EXISTING
EXT.	EXTERIOR
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT(FEET)
FTG.	FOOTING
g	GROWTH (CABINET)
GA.	GAUGE
GA.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB.(GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN.(")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY FLEXENT CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D.	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION(S)
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE(WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
∈	PLATE

GENERAL NOTES

1

DRAWING SPECIFICATIONS

1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION," ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HEREIN.

2. THIS FACILITY IS AN UNOCCUPIED PCS TELECOMMUNICATIONS SITE AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.

3. THE DRAWINGS SHALL NOT BE SCALED. FIGURED DIMENSIONS HAVE PRECEDENCE OVER THE DRAWING SCALE. DETAIL DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS. THE CONTRACTOR SHALL CHECK THE ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS OR BEGIN ANY CONSTRUCTION UNTIL THE ACCURACY OF THE DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.

4. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE PROJECT MANAGER AND THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.

5. THE DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

6. REPRESENTATIONS OF THE TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF THE SURVEY DRAWING, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING AND ANY SURVEYOR MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.

7. THESE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.

8. THE INTENTION OF THE DOCUMENT IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.

9. THE PURPOSE OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO DESIGNATE THE METHOD OF THE PROCEDURE, TYPE, AND QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.

10. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.

11. GENERAL ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SPECIFICATIONS

1. PRIOR TO THE SUBMISSION OF BIDS, THE PARTICIPATING CONTRACTORS SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS. FIELD CONDITIONS, AND CONFIRM THAT THE PROJECT CAN BE ACCOMPLISHED AS SHOWN. PRIOR TO SUBMISSION OF BIDS AND CONSTRUCTION, SHOULD ANY ERRORS, OMISSIONS, OR DISCREPANCIES BE FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER, IN WRITING. IN THE EVENT OF DISCREPANCIES, THE CONSTRUCTION SHALL INCLUDE THE MORE COSTLY OR EXTENSIVE WORK IN THE BID, UNLESS SPECIFICALLY DIRECTED OTHERWISE. IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT/ENGINEER ARE NOT NOTIFIED, THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED TO REPAIR OR CORRECT ALL PROBLEMS THAT RESULT.

2. EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER, SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.

3. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER IF ANY OF THE DETAILS ARE CONSIDERED IMPRACTICAL, UNSUITABLE, UNSAFE, NOT WATERPROOFED, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO ANY DETAIL. THE DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS AND SHALL BE INCLUDED AS PART OF THE WORK.

4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.

5. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.

6. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES, REGULATIONS, AND ORDINANCES, AS WELL AS, STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.

7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTER 16, SECTION 1613 OF THE CBC REGARDING EARTHQUAKE PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS AND MECHANICAL EQUIPMENT. ALL WORK MUST BE IN ACCORDANCE WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.

8. THE WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED AND SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REFERENCE STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRACTICE:

NRCA — NATIONAL ROOFING CONTRACTORS ASSOCIATION
O'HARE INTERNATIONAL CENTER
10255 WEST HIGGINS ROAD, SUITE 600
ROSEMONT, IL 60018

SMACNA — SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
4201 LAFAYETTE CENTER DRIVE
CHANTILY, VA 22021-1209

ITLP — INTERNATIONAL INSTITUTE FOR LATH AND PLASTER
820 TRANSFER ROAD
ST. PAUL, MN 55114-1406

AMA — ADHESIVE MANUFACTURERS ASSOCIATION
401 NORTH MICHIGAN AVENUE, SUITE 2400
CHICAGO, IL 60611

9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

10. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL ELECTRICAL COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK.

12. THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL SOLELY BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

13. THE CONTRACTOR SHALL PROTECT THE PROPERTY OWNERS, PROJECT MANAGER AND THE CARRIER'S PROPERTY FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW AND EXISTING CONSTRUCTION, STRUCTURE, LANDSCAPING, CURBS, STAIRS, EQUIPMENT, ETC., SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROJECT MANAGER, THE PROPERTY OWNER, OR THE OWNER'S REPRESENTATIVE, AT THE EXPENSE OF THE CONTRACTOR.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL REPLACE OR REMEDY, ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP, OR ANY DAMAGE WHICH SHALL APPEAR WITHIN ONE YEAR AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK BY DELTA GROUPS ENGINEERING, INC. UNDER THIS CONTRACT.

15. THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING THE SAME.

16. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. THE CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM THE ARCHITECT/ENGINEER, IF NECESSARY, BEFORE PROCEEDING.

17. THE CONTRACTOR SHALL CONTACT U.S.A. (UNDERGROUND SERVICE ALERT) BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK, OR CONSTRUCTION.

18. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.

19. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.

20. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.

21. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER, THE PROJECT MANAGER, AND THE CITY OR GOVERNING AGENCY.

22. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A DAILY BASIS AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING THROUGHOUT CONSTRUCTION, INCLUDING FINAL CLEANUP UPON COMPLETION OF WORK. ALL AREAS ARE TO BE LEFT IN A BROOM CLEAN CONDITION AT THE END OF EACH DAY.

23. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION, AND IN A MANNER THAT DOES NOT NECESSARILY OBSTRUCT THE FLOW OF OTHER WORK. IN ADDITION, STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.

24. THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISRUPTION OF NORMAL ACTIVITY.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE PROJECT SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED AND ACCEPTED BY THE PROJECT MANAGER.

26. THE LATEST EDITION OF ALL PERMITTED AND APPROVED PLANS PERTAINING TO THIS PROJECT SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY THE WORKERS. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR MUST ALSO MAINTAIN IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES. THESE ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.

27. THE CONTRACTOR SHALL PROVIDE A CLOSE-OUT PACKAGE TO THE PROJECT MANAGER, WHICH WILL INCLUDE:

A. BUILDING PERMITS/ELECTRICAL PERMITS
B. FINAL INSPECTION CARD
C. STAMPED BUILDING PERMIT PLANS
D. GROUNDING TEST
E. SWEEP TEST
F. CONCRETE TEST
G. SPECIAL INSPECTION REPORTS
H. WARRANTIES, MANUAL, EQUIPMENT SPECIFICATIONS
I. SUBCONTRACTOR CONTACT LIST
J. REDLINED AS-BUILTS
K. CONSTRUCTION PROCESS PHOTOS
L. SITE COMPLETION PHOTOS
M. A WRITTEN REPORT ON ANTENNA SERIAL NUMBER FOR EACH SECTOR
N. MANUFACTURER'S PERFORMANCE REPORT FOR EACH ANTENNA

ENGINEERING REQUIREMENTS

1. ALL EXPOSED METAL SHALL BE HOT-DIPPED GALVANIZED.

2. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF AND WHERE APPLICABLE TO THIS FACILITY AND PROJECT SITE.

3. ALL NEW OPENINGS IN THE EXTERIOR ENVELOPE OF CONDITIONED SPACES SUCH AS, AT WALL AND ROOF PENETRATIONS, SHALL BE CAULKED OR SEALED TO LIMIT INFILTRATION OF AIR AND MOISTURES.

4. THE ELECTRICAL POWER SYSTEM SHALL BE GROUNDED PER NEC ARTICLES 250 AND 810.

5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE DRAWINGS TO THE PROJECT MANAGER FOR APPROVAL. ALL SHOP DRAWINGS SHALL BE REVIEWED, CHECKED AND CORRECTED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE PROJECT MANAGER.

6. THE CONTRACTOR SHALL SUBMIT THREE COPIES OF EACH REQUEST FOR SUBSTITUTIONS. IN EACH REQUEST, IDENTIFY THE PRODUCT, FABRICATION OR INSTALLATION METHOD TO BE REPLACED BY THE SUBSTITUTION. INCLUDE RELATED SPECIFICATION SECTION AND DRAWING NUMBERS AND COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE REQUIREMENTS FOR SUBSTITUTIONS.

7. THE CONTRACTOR SHALL SUBMIT ALL NECESSARY PRODUCT DATA AND CUT SHEETS WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS AND MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE PROJECT MANAGER, SUBMIT ACTUAL SAMPLES TO DELTA GROUPS ENGINEERING, INC. FOR APPROVAL IN LIEU OF CUT SHEETS.

8. CHANGE ORDERS MAY BE INITIATED BY THE PROJECT MANAGER AND/OR THE CONTRACTOR INVOLVED. THE CONTRACTOR, UPON VERBAL REQUEST FROM THE PROJECT MANAGER, SHALL PREPARE A WRITTEN PROPOSAL DESCRIBING THE CHANGE IN WORK OR MATERIALS AND ANY CHANGES IN THE CONTRACT AMOUNT AND PRESENT IT TO THE PROJECT MANAGER WITHIN SEVENTY-TWO HOURS FOR APPROVAL. SUBMIT REQUESTS FOR SUBSTITUTIONS IN THE FORM AND IN ACCORDANCE WITH PROCEDURES REQUIRED FOR CHANGE ORDER PROPOSALS. ANY CHANGES IN THE SCOPE OF WORK OR MATERIALS WHICH ARE PERFORMED BY THE CONTRACTOR WITHOUT A WRITTEN CHANGE ORDER AS DESCRIBED AND APPROVED BY THE PROJECT MANAGER SHALL PLACE FULL RESPONSIBILITY OF THESE ACTIONS ON THE CONTRACTOR.

GENERAL REQUIREMENTS

1. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT CONSTRUCTION AREA.

2. THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, CARRY AND MAINTAIN FOR THE DURATION OF THE PROJECT, ALL INSURANCE AS REQUIRED AND LISTED. THE CONTRACTOR SHALL NOT COMMENCE WITH THEIR WORK UNTIL THEY HAVE PRESENTED AN ORIGINAL CERTIFICATE OF INSURANCE, STATING ALL COVERAGE, TO THE CELLULAR CARRIER. THE CELLULAR CARRIER SHALL BE NAMED AS AN ADDITIONAL COMPANY INSURED ON ALL POLICIES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED IN THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSIONS, WHICH MAY BE FOUND, SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.

4. THE BIDDER, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY MATTER OR THING CONCERNING WHICH SUCH BIDDER MIGHT HAVE FULLY INFORMED THEMSELVES PRIOR TO THE BIDDING.

5. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.

6. BEFORE COMMENCEMENT OF ANY WORK, THE CONTRACTOR WILL ASSIGN A PROJECT MANAGER WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR ALL PERSONNEL INVOLVED IN THIS PROJECT. THE PROJECT MANAGER WILL DEVELOP A MASTER SCHEDULE FOR THE PROJECT WHICH WILL BE SUBMITTED TO THE CELLULAR CARRIER'S PROJECT MANAGER PRIOR TO THE COMMENCEMENT OF ANY WORK.

7. THE CONTRACTOR SHALL SUBMIT A BAR TYPE PROGRESS CHART NOT MORE THAN THREE DAYS AFTER THE DATE ESTABLISHED FOR THE COMMENCEMENT OF THE WORK ON THE SCHEDULE. IT SHALL INDICATE A TIME BAR FOR EACH MAJOR CATEGORY OF WORK TO BE PERFORMED AT THE SITE, PROPERLY SEQUENCED AND COORDINATED WITH OTHER ELEMENTS OF WORK AND SHOWING COMPLETION OF THE WORK SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE SITE.

8. THE CONTRACTOR SHALL PROVIDE WRITTEN DAILY UPDATES ON SITE PROGRESS TO THE PROJECT MANAGER.

9. A COMPLETE INVENTORY OF CONSTRUCTION MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO THE START OF CONSTRUCTION.

10. NOTIFY THE PROJECT MANAGER IN WRITING NO LESS THAN FORTY-EIGHT HOURS IN ADVANCE OF CONCRETE POURS, TOWER ERECTIONS, AND EQUIPMENT CABINET PLACEMENTS.

11. THE CONTRACTOR SHALL BE EQUIPPED WITH SOME MEANS OF CONSTANT COMMUNICATIONS, SUCH AS A MOBILE PHONE OR A BEEPER. THIS EQUIPMENT WILL NOT BE SUPPLIED BY THE CELLULAR CARRIER, NOR WILL WIRELESS SERVICE BE ARRANGED.

12. DURING CONSTRUCTION, THE CONTRACTOR MUST ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES. CONTRACTOR WILL COMPLY WITH ALL SAFETY REQUIREMENTS IN THEIR AGREEMENT.

at&t
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WESTERN NEVADA COLLEGE
FA NO. 15456809
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CARSON CITY, NV 89703

DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS
6800 KOLL CENTER PARKWAY, SUITE 225
PLEASANTON, CA 94566
TEL: (925) 468-0115 FAX: (925) 468-0355

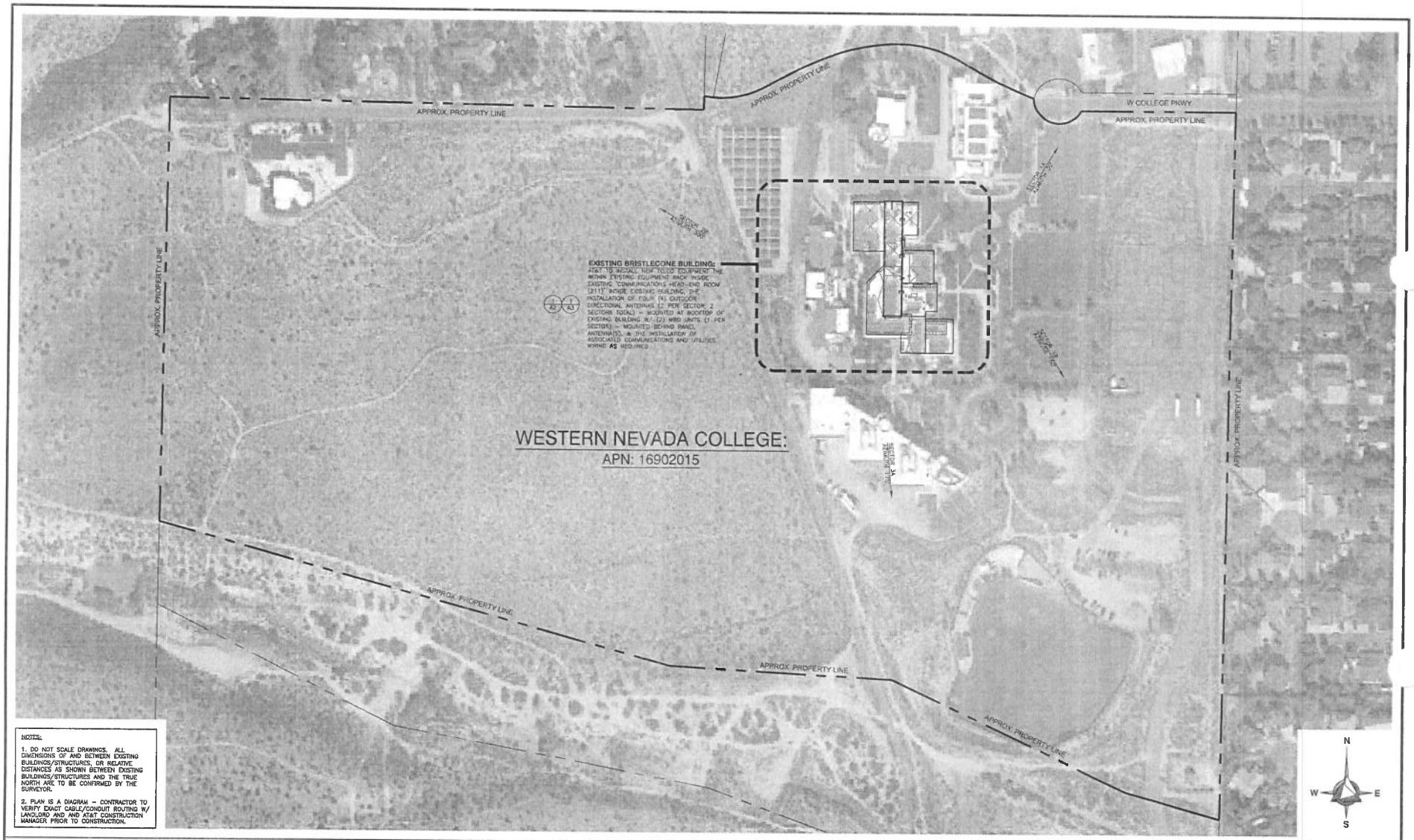
REV	DATE	DESCRIPTION	BY	CHK
1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE: GENERAL NOTES, LEGEND, AND ABBREVIATIONS

SHEET: T2

DRAWING NO.: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE



NOTES:

1. DO NOT SCALE DRAWINGS. ALL DIMENSIONS OF AND BETWEEN EXISTING BUILDINGS/STRUCTURES, OR RELATIVE DISTANCES AS SHOWN BETWEEN EXISTING BUILDINGS/STRUCTURES AND THE TRUE NORTH ARE TO BE CONFIRMED BY THE SURVEYOR.

2. PLAN IS A DIAGRAM – CONTRACTOR TO VERIFY EXACT CABLE/CONDUIT ROUTING W/ LANDLORD AND AND AT&T CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

OVERALL SITE PLAN

SCALE: NTS | 1

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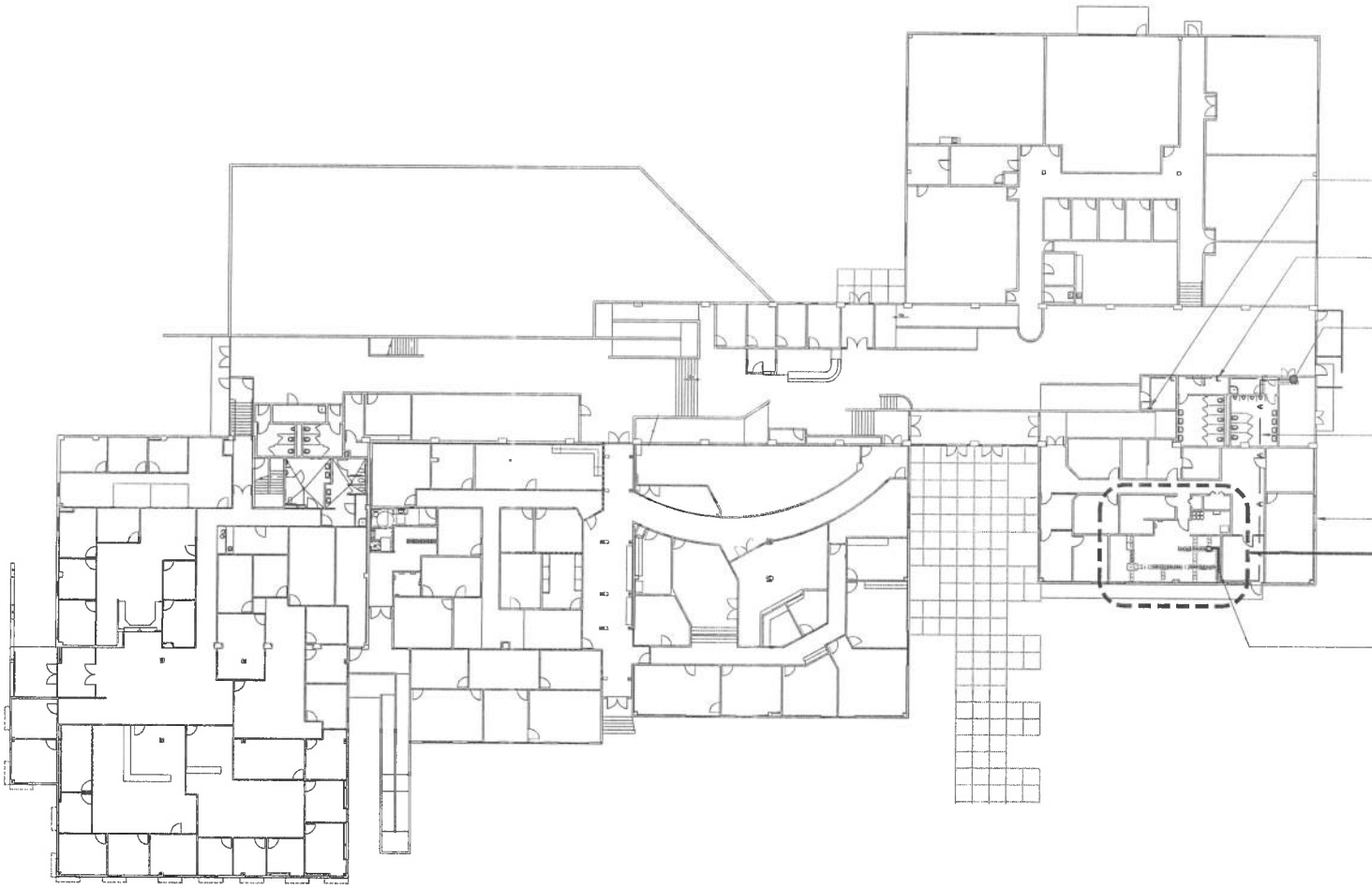
REV.	DATE	DESCRIPTION	BY	CHK
1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE: OVEHALL SITE PLAN

SHEET: A1

DGE NO: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE



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2. PLAN IS A DIAGRAM – CONTRACTOR TO VERIFY EXACT CABLE/CONDUIT ROUTING W/ LANDLORD AND AND AT&T CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

FIRST FLOOR PLAN

SCALE: 1 inch = 15 ft

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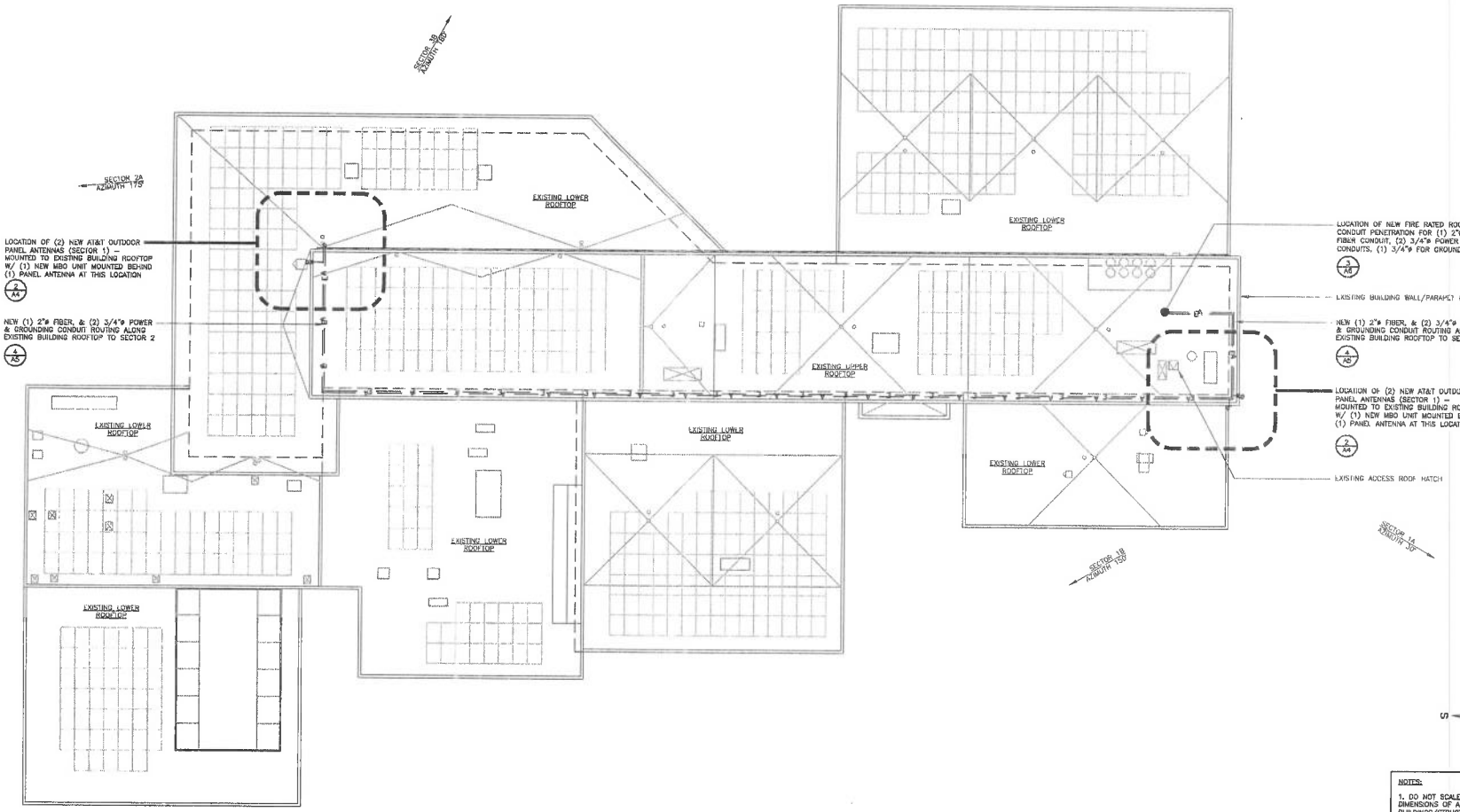
SHEET TITLE: FIRST FLOOR PLAN

SHEET: A2

DRAWING: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE



NOTES:

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2. PLAN IS A DIAGRAM – CONTRACTOR TO VERIFY EXACT CABLE/CONDUIT ROUTING W/ LANDLORD AND AND AT&T CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

ROOF PLAN

SCALE: 1 inch = 15 ft

15' 0' 15' 30' 1

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1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE: ROOF PLAN

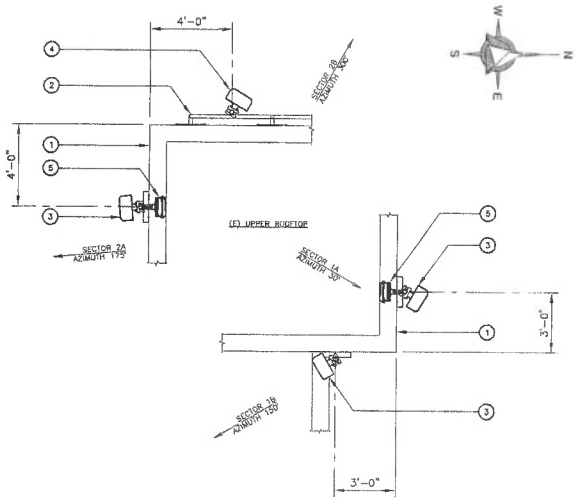
SHEET: A3

DOE NO: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE

KEY NOTES:

1. EXISTING BUILDING PARAPET WALL (TYP.)
2. EXISTING STEEL GUARDRAIL (TYP.)
3. NEW AT&T PANEL ANTENNA (MANUF.: CCI; MODEL: HPA-65R-BUU-H4; SIZE: 48.3"(H)X14.4"(W)X7.3(D); WT.: 32.3 LBS.) – PIPE MOUNTED TO EXISTING BUILDING WALL (PAINT TO MATCH EXISTING BUILDING) (1/A7) (2/S1)
4. NEW AT&T PANEL ANTENNA (MANUF.: CCI; MODEL: HPA-65R-BUU-H4; SIZE: 48.3"(H)X14.4"(W)X7.3(D); WT.: 32.3 LBS.) – PIPE MOUNTED TO EXISTING BUILDING BUILDING GUARDRAIL (1/A7) (2/S1)
5. NEW AT&T MBO UNIT #1 (MANUF.: NOKIA; MODEL: FLEXI ZONE; SIZE:9.7"(H)X12.8"(W)X8.3"(D); WT.: 24.2 LBS.– WALL-MOUNTED INSIDE "SCENE SHIP" (5440)"PER MANUFACTURER SPECIFICATIONS (PAINT TO MATCH EXISTING BUILDING) (A/A7)



NOTES:

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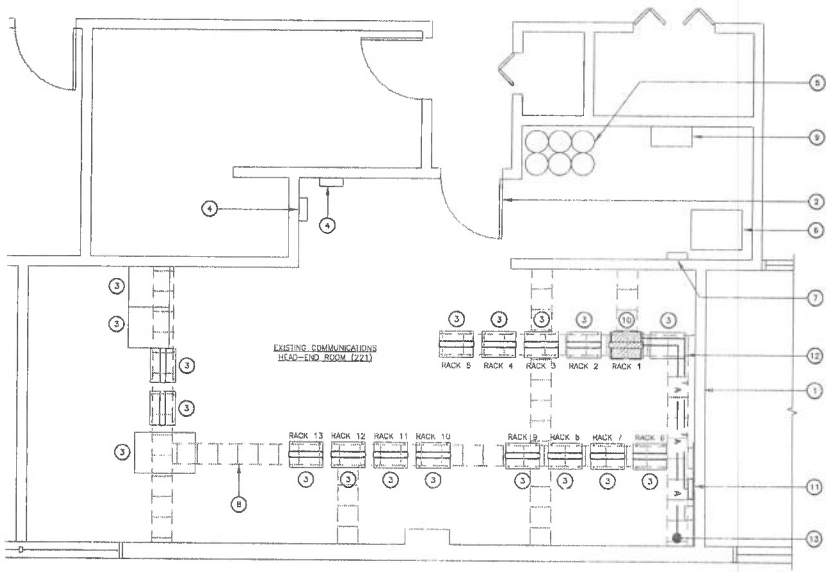
2. PLAN IS A DIAGRAM – CONTRACTOR TO VERIFY EXACT CABLE/CONDUIT ROUTING W/ LANDLORD AND AND AT&T CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

ANTENNA PLAN

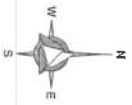
SCALE: 3/8 inch = 1 ft — 2

UNUSED



KEY NOTES:

1. EXISTING BUILDING (TYP.)
2. EXISTING ACCESS DOOR (TYP.)
3. EXISTING EQUIPMENT RACK/CABINET (TYP.)
4. EXISTING WALL-MOUNTED PANEL
5. EXISTING FIRE SUPPRESSION SYSTEM
6. EXISTING TRANSFORMER
7. EXISTING MANUAL SHUT-OFF SWITCH
8. EXISTING OVERHEAD CABLE LADDER (TYP.)
9. EXISTING WALL-MOUNTED EQUIPMENT
10. EXISTING EQUIPMENT RACK (RACK 1) – LOCATION OF NEW TELCO EQUIPMENT (SARH) (CONTRACTOR TO PROVIDE POWER CHORD FROM NEW SARH TO EXISTING TWIST LOCK – VERIFY IN-FIELD)
11. EXISTING TELCO BACKBOARD – LOCATION OF EXISTING TELCO CIENA (TELCO P.O.C.)
12. NEW (1) 1 1/4"ø INNERDUCT FOR NEW TELCO ROUTING ALONG EXISTING OVER HEAD CABLE LADDER FROM TELCO P.O.C. TO NEW AT&T TELCO EQUIPMENT
13. NEW (1) 1 1/4"ø INNERDUCT FOR FIBER FROM NEW TELCO EQUIPMENT TO ANTENNA LOCATIONS AT ROOFTOP ABOVE (REFER TO SHEET A2 FOR CONTINUATION)



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2. PLAN IS A DIAGRAM – CONTRACTOR TO VERIFY EXACT CABLE/CONDUIT ROUTING W/ LANDLORD AND AND AT&T CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

EQUIPMENT PLAN (COMMUNICATIONS HEAD-END - 221)

SCALE: 3/8 inch = 1 ft — 2

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1	8/24/21	ISSUED FOR DESIGN REVIEW	JR	

SHEET TITLE: EQUIPMENT & ANTENNA PLANS

SHEET: A3

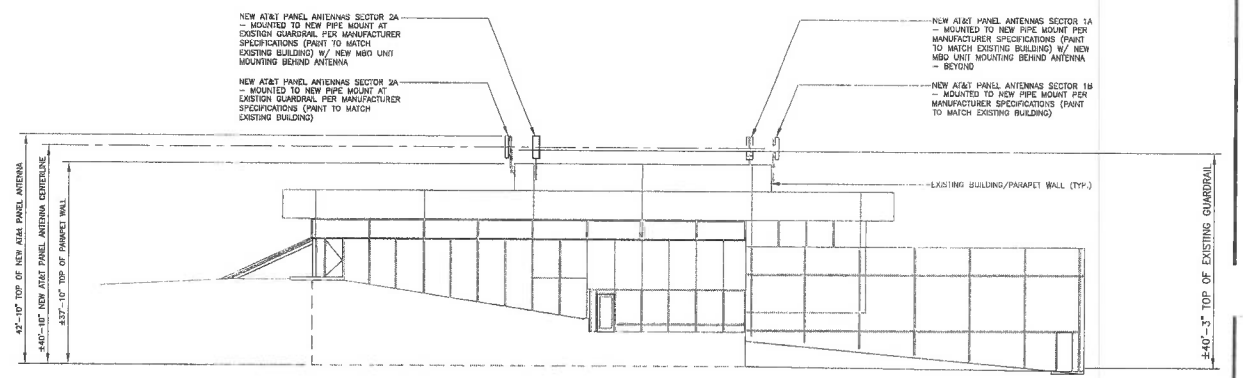
DWG NO: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE

NORTH ELEVATION

SCALE: 1 inch = 10 ft

1



SOUTH ELEVATION

SCALE: 1 inch = 10 ft

2

UNUSED

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1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE: NORTH & SOUTH ELEVATIONS

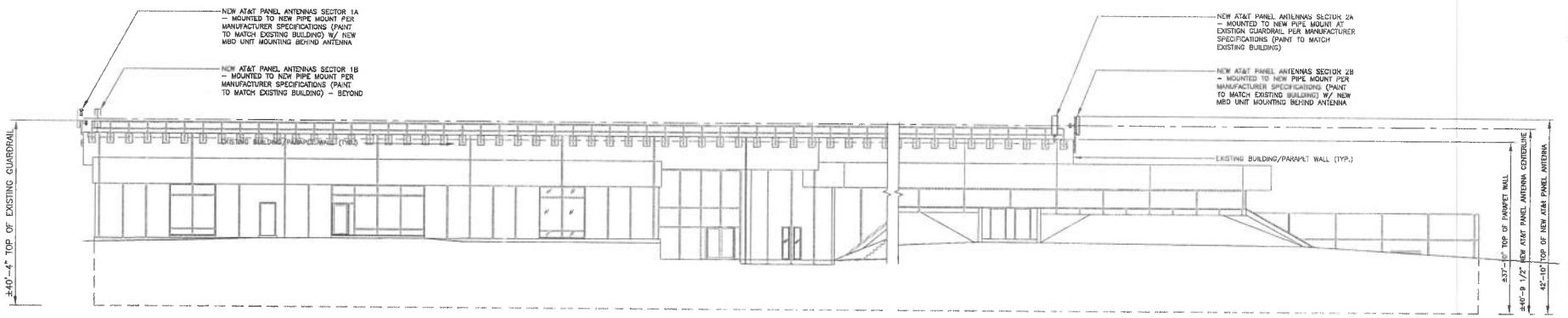
SHEET: A5.1

DGE NO: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE

EAST ELEVATION

SCALE: 1 inch = 10 ft — 1



WEST ELEVATION

SCALE: 1 inch = 10 ft — 2

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REV.	DATE	DESCRIPTION	BY	CHK
1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE: EAST & WEST ELEVATION

SHEET: A5.2

DGN NO.: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE

CAUTION

On this tower:

Radio frequency (RF) fields near some antennas ***may exceed*** the FCC Occupational Exposure Limits.

Contact AT&T at 800-638-2822, option 9 and 3, and follow their instructions prior to performing maintenance or repairs beyond this point.

Personnel climbing this tower should be trained for working in RF environments and use a personal RF monitor if working near active antennas.

Caution Sign #CAUTT-XL-457 This is AT&T Site

THE CUSTODIAN OF THIS STATION'S LICENSE IS:

AT&T

ATTENTION TO: FCC GROUP

208 S. AKARD STREET, RM 1016

DALLAS, TX 75202

855-699-7073

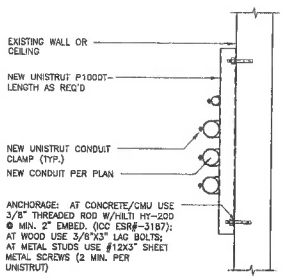
FCCMW@att.com

AT&T MOBILITY

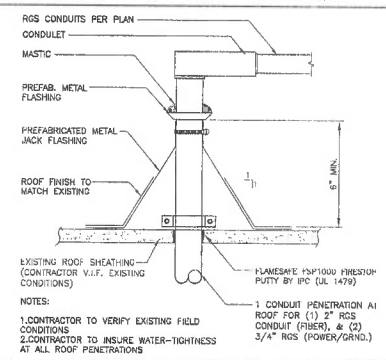
SIGNAGE | 5

UNUSED | .

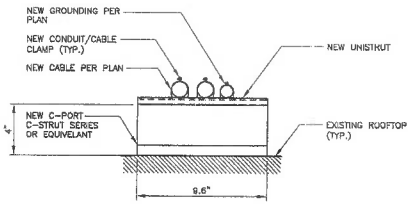
UNUSED | .



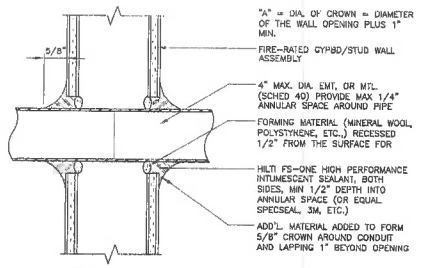
CONDUIT/CABLE ROUTING AT CEILING/WALL | 2



CONDUIT PENETRATION AT ROOFTOP | 3

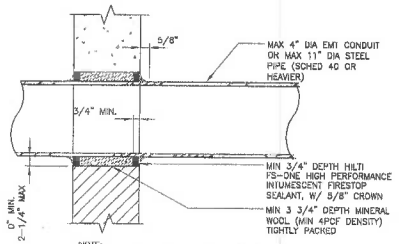


CONDUIT ROUTING AT ROOFTOP | 4



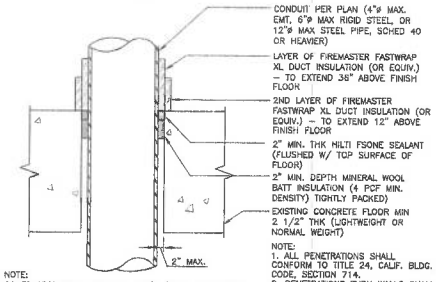
NOTE:
CONTRACTOR SHALL FOLLOW MFR'S (HILTI, OR EQUAL) SPECS & INSTALLATION MANUAL. SUBMIT MFR'S LITERATURE FOR OTHER PRODUCT TO BE CONSIDERED FOR EQUAL.)

(A) FRAMED WALL PENETRATION



NOTE:
CONTRACTOR SHALL FOLLOW MFR'S (HILTI, OR EQUAL) SPECS & INSTALLATION MANUAL. SUBMIT MFR'S LITERATURE FOR OTHER PRODUCT TO BE CONSIDERED FOR EQUAL.)

(B) CMU, CONC WALL PENETRATION



NOTE:
CONTRACTOR SHALL FOLLOW MFR'S (HILTI, OR EQUAL) SPECS, INSTALLATION MANUAL, HILTI SYSTEM NO. F–A–1105 & UL 1479. SUBMIT MFR'S LITERATURE FOR OTHER PRODUCT TO BE CONSIDERED FOR EQUAL.)

(C) CONCRETE FLOOR PENETRATION

NOTE:
1. ALL PENETRATIONS SHALL CONFORM TO TITLE 24, CALIF. BLDG. CODE, SECTION 714.
2. PENETRATIONS THRU WALLS SHALL COMPLY WITH T24, CBC SECTION 709.6. F RATING – NOT LESS THAN THE REQ'D RATING OF THE WALL PENETRATED
3. PENETRATIONS THRU FLOORS/CEILINGS SHALL COMPLY WITH T24, CBC SECTION 710.2 F & T RATING – NOT LESS THAN 1 HR. NOR LESS THAN THE REQ'D RATING OF THE FLOOR/CEILING PENETRATED.
4. CONTRACTOR TO ENSURE WATER–TIGHTNESS AT ALL WALL AND FLOOR PENETRATIONS.

TYPICAL CONDUIT PENETRATION | 1

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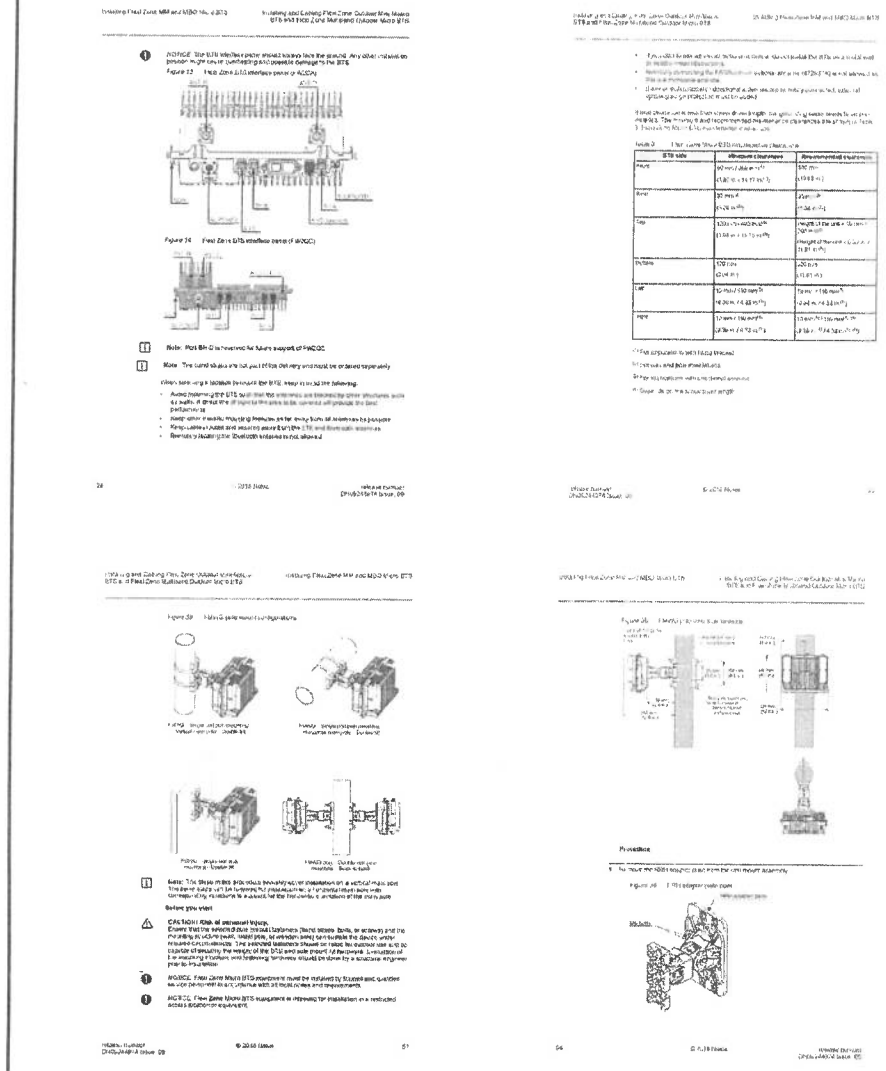
REV.	DATE	DESCRIPTION	BY	CHK
1	8/24/21	ISSUED FOR DESIGN REVIEW	JH	

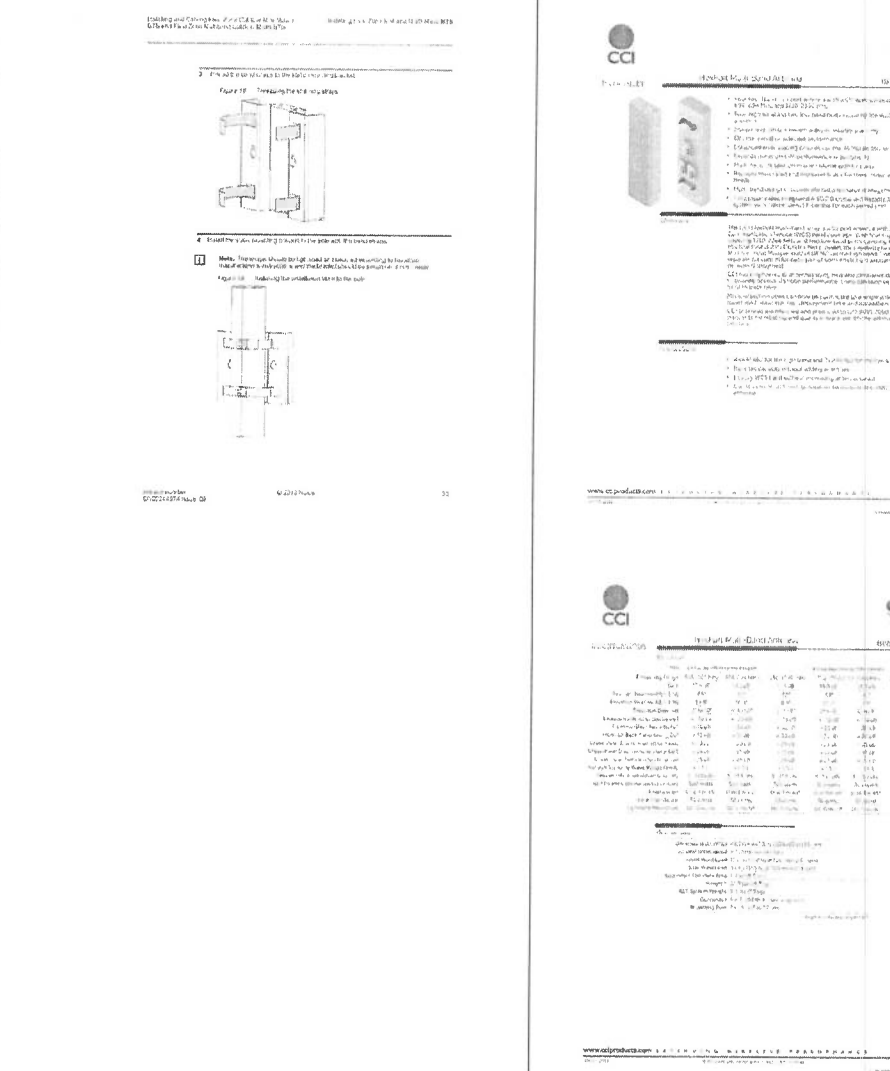
SHEET TITLE: GENERAL STRUCTURAL NOTES, DETAILS, & SIGNAGE

SHEET: A6

DWG NO: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE





NOKIA MBO SPEC SHEETS

OMNI DIRECTIONAL ANTENNA SPEC SHEETS

at&t 2700 WATT AVENUE, 3473-34 SACRAMENTO, CA 95821	WESTERN NEVADA COLLEGE FA NO. 15456809 2201 W COLLEGE PKWY, CARSON CITY, NV 89703	DELTA GROUPS ENGINEERING, INC. CONSULTING ENGINEERS 6800 KOLL CENTER PARKWAY, SUITE 225 PLEASANTON, CA 94566 TEL: (925) 468-0115 FAX: (925) 468-0356	REV. 1 DATE 8/24/21 DESCRIPTION ISSUED FOR DESIGN REVIEW BY JK CHK SHEET TITLE: ANTENNA EQUIPMENT SPECIFICATIONS SHEET: A9 DWG NO: P21AT011 SITE NAME: WESTERN NEVADA COLLEGE

GENERAL NOTES:

1. THE CONTRACTOR SHALL EXAMINE THE STRUCTURAL DRAWINGS AND SHALL NOTIFY THE ARCHITECT/ENGINEER, AND PROJECT MANAGER, IN WRITING, SHOULD ANY DISCREPENCIES BE FOUND PRIOR TO PROCEEDING WITH WORK.

2. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETE STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND MEANS NECESSARY TO PROTECT PERSONS AND THE EXISTING STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO BRACING, SHORING, ETC. VISITS BY THE ARCHITECT SHALL NOT INCLUDE INSPECTION OF THESE ITEMS.

3. ALL WORK NOT DETAILED OR NOTED SHALL BE CONSTRUCTED IN ACCORDANCE WITH OTHER SIMILAR WORK AND TYPICAL DETAILS SHOWN ON THE DRAWINGS. DIMENSIONS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. NO PIPES OR DUCTS SHALL BE PLACED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ARCHITECT.

4. ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES INCLUDING OSHA AND STATE SAFETY ORDERS. THE GENERAL CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL, AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.

UNUSED

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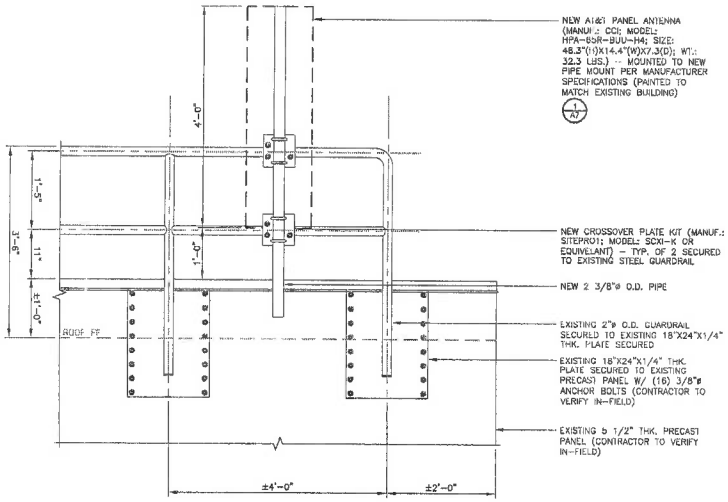
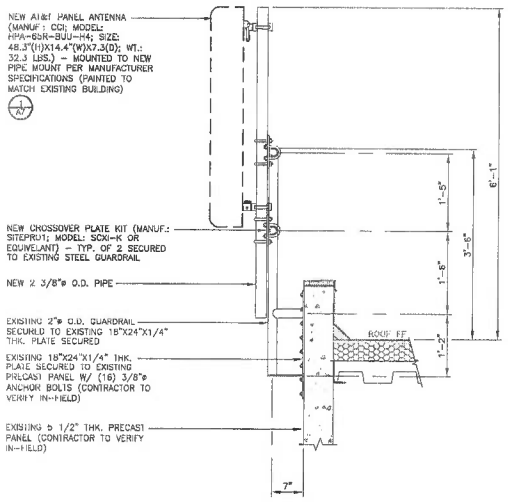
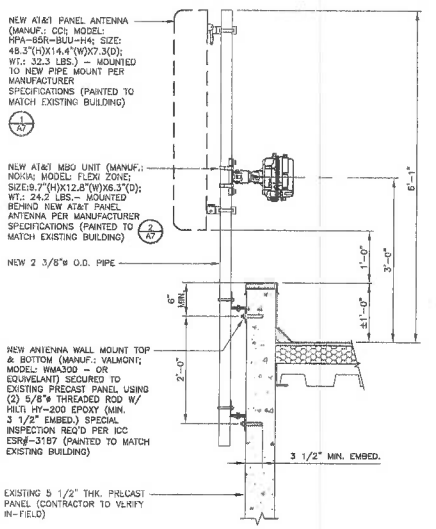
GENERAL STRUCTURAL NOTES 1



FRONT VIEW



SIDE VIEW



ANTENNA MOUNTING TO GUARDRAIL 3

ANTENNA MOUNTING TO EXTERIOR WALL 2

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REV.	DATE	DESCRIPTION	BY	CHK
1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE: GENERAL STRUCTURAL NOTES & DETAILS
SHEET: S1
DGF NO: P21AT011
SITE NAME: WESTERN NEVADA COLLEGE

ELECTRICAL SPECIFICATIONS

1. ALL WORK AND MATERIAL SHALL BE IN COMPLETE COMPLIANCE WITH THE LATEST EDITION OF THE N.E.C. AND ALL REGULATIONS, LAWS, SAFETY ORDERS, ORDINANCES OR CODES. IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

2. THE SEISMIC BRACING AND ANCHORAGE OF ELECTRICAL CONDUITS AND WIREWAYS SHALL BE IN ACCORDANCE WITH THE UNIFORM BUILDING CODE, CHAPTER 23 AND "GUIDELINE FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS," PUBLISHED BY SMACNA AND PPIC, OR THE SUPERSTRUT—SEISMIC RESTRAINTS SYSTEM, OR THE KIN—LINE SEISMIC RESTRAINT SYSTEM.

3. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY WHERE (UL) DOES NOT HAVE LISTING. CUSTOM MADE EQUIPMENT SHALL HAVE COMPLETE TEST DATA SUBMITTED BY THE MANUFACTURER ATTESTING TO ITS SAFETY. IN ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING CODES AND REGULATIONS:

AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
AMERICAN STANDARD ASSOCIATION (ASA)
NATIONAL FIRE PROTECTION AGENCY (NFPA)
AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
NATIONAL ELECTRICAL CODE (NEC)
INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
ALL LOCAL CODES HAVING JURISDICTION

4. THE CONTRACTOR SHALL VISIT THE SITE, INCLUDING ALL AREAS INDICATED ON THE DRAWINGS, AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AS WELL AS THE ELECTRICAL AND GROUNDING REQUIREMENTS OF THIS PROJECT. BY SUBMITTING A BID, HE ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.

5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS, ADDENDA, DRAWINGS AND SPECIFICATIONS AS WELL AS THE LATEST EDITION OF ANY DESIGN SPECIFICATIONS. HE SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM THE RESPONSIBILITY OF DOING THE WORK IN COMPLETE ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.

6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER IN WRITING PRIOR TO SUBMITTING A BID. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL SUBJECT TO THE INTERPRETATION OF THE PROJECT MANAGER AT NO ADDITIONAL COST.

7. THE CONTRACTOR SHALL OBTAIN AND KEEP UP—TO—DATE A COMPLETE RECORD SET OF DRAWINGS. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE PROJECT MANAGER, AND ALL CHANGES AS NOTED ON THE RECORD SET OF DRAWINGS SHALL BE INCORPORATED THEREON BY THE CONTRACTOR WITH RED INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL MANNER.

8. ALL INTERRUPTION OF ELECTRICAL POWER SHALL BE KEPT TO A MINIMUM. HOWEVER, WHEN AN INTERRUPTION IS NECESSARY, THE SHUTDOWN MUST BE COORDINATED WITH THE PROJECT MANAGER AND THE PROPERTY OWNER 14 DAYS PRIOR TO THE OUTAGE. ANY OVERTIME PAY SHALL BE INCLUDED IN THE CONTRACTOR'S BID. WORK IN EXISTING SWITCHBOARDS OR PANELBOARDS SHALL BE COORDINATED WITH THE PROJECT MANAGER AND THE BUILDING OWNER PRIOR TO REMOVING ACCESS PANELS OR DOORS.

9. SHOP DRAWINGS SHALL BE SUBMITTED FOR ITEMS INDICATED ON PLANS. SHOP DRAWINGS SHALL INCLUDE ALL DATA WITH CAPACITIES, SIZES, DIMENSIONS, CATALOG NUMBERS AND MANUFACTURER'S BROCHURES.

10. AFTER ALL REQUIREMENTS OF THE SPECIFICATIONS AND THE DRAWINGS HAVE BEEN FULLY COMPLETED, THE PROJECT MANAGER WILL INSPECT THE WORK. THE CONTRACTOR SHALL PROVIDE COMPETENT PERSONNEL TO DEMONSTRATE THE OPERATION OF ANY ITEM OR SYSTEM TO THE FULL SATISFACTION OF THOSE REPRESENTATIVES. FINAL ACCEPTANCE OF THE WORK WILL BE MADE BY THE PROJECT MANAGER AFTER RECEIPT OF APPROVAL AND RECOMMENDATION OF ACCEPTANCE FROM EACH REPRESENTATIVE.

11. THE CONTRACTOR SHALL FURNISH ONE YEAR WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP FROM THE DATE OF SUBSTANTIAL COMPLETION.

12. COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT. SUPPLY POWER AND MAKE CONNECTION TO EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. REVIEW THE DRAWINGS OF OTHER TRADES AND LOCATION OF EQUIPMENT.

13. EXACT METHOD AND LOCATION OF CONDUIT PENETRATIONS AND OPENINGS IN CONCRETE WALLS OR FLOORS OR STRUCTURAL STEEL MEMBERS, SHALL BE DIRECTED BY THE STRUCTURAL ENGINEER. PERFORM CORING, SAWCUTTING, PATCHING AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR, OR CEILING.

14. UTILITY PENETRATIONS OF ANY KIND IN FIRE AND SMOKE PARTITIONS AND CEILING ASSEMBLIES, SHALL BE FIRESTOPPED AND SEALED WITH AN APPROVED MATERIAL SECURELY INSTALLED.

15. CONNECTIONS TO VIBRATING EQUIPMENT AND SEISMIC SEPARATIONS:

LIQUID—TIGHT FLEXIBLE STEEL CONDUIT IN DRY INTERIOR LOCATIONS AND IN AREAS EXPOSED TO WEATHER, DAMP LOCATIONS, CONNECTIONS TO TRANSFORMER ENCLOSURES, AND FINAL CONNECTIONS TO MOTORS.

PROVIDE A SEPARATE INSULATED GROUNDING CONDUCTOR IN FLEXIBLE CONDUIT RUNS. MAXIMUM LENGTH SHALL BE SIX FEET UNLESS OTHERWISE NOTED.

16. ROUTE EXPOSED AND CONCEALED CONDUIT PARALLEL AND PERPENDICULAR TO WALL AND ADJACENT PIPING. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAWCUTTING, TRENCHING, BACKFILLING, COMPACTING AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH ALL PROPERTY OWNERS, UTILITIES, AND APPROPRIATE "DIG ALERT" UNDERGROUND MARKING AGENCIES AND COMPANIES. THE CONTRACTOR SHALL ALWAYS USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES CAUSED DURING THE COURSE OF HIS WORK.

18. WHENEVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS), ARISES ON THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER.

19. STRAIGHT FEEDER, BRANCH CIRCUIT, AND CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT WEATHER PROOF PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR PER THE LATEST EDITION OF THE DESIGN SPECIFICATIONS, WHICHEVER IS MOST RESTRICTIVE. LOCATIONS SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.

20. MAXIMUM NUMBER OF CONDUCTORS IN OUTLET SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.

21. IDENTIFICATION NAME PLATES SHALL BE MICARTA 1/8 INCH THICK AND OF APPROVED SIZE WITH BEVELED EDGES AND ENGRAVED WHITE LETTERS A MINIMUM OF 1/4 INCH HIGH ON BLACK BACKGROUND. NAMEPLATES SHALL BE PROVIDED ALL CIRCUITS IN THE SERVICE DISTRIBUTION AND POWER DISTRIBUTION SWITCH BOARDS OR PANEL BOARDS, DISCONNECTING SWITCHES, TRANSFORMERS, TERMINAL CABINETS, TELEPHONE CABINETS, ETC. ALL NAMEPLATES SHALL BE ATTACHED WITH SCREWS. PULL BOXES, JUNCTION BOXES, AND DEVICE BOXES SHALL BE MARKED WITH A PERMANENT MARKER.

22. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE PLANS AND DETAILS, PRIOR TO INSTALLATION.

23. DRAWINGS ARE DIAGRAMMATIC ONLY. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, OR MECHANICAL ITEMS OR FEATURES.

24. RIGID GALVANIZED STEEL CONDUIT SHALL BE FULL WEIGHT THREADED TYPE. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN WALLS OR CEILING SPACES WHERE NOT SUBJECT TO MECHANICAL DAMAGE. DIRECT BURIED PVC SCHEDULE 40 MAY BE INSTALLED BENEATH SLAB OR BELOW GRADE AND SHALL BE CONCRETE ENCASED UNLESS NOTED OTHERWISE. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED IN ALL CONDUIT RUNS. PROVIDE CONDUIT SUPPORTS NOT TO EXCEED 8'—0". PROVIDE 3—PC CONNECTORS FOR SECONDARY GROWTH PATH OF SURFACE MOUNTED EMT.

25. RIGID STEEL CONDUIT FITTINGS INCLUDING COUPLINGS, LOCKOUTS, NIPPLES, ETC. SHALL BE THREADED AND THOROUGHLY GALVANIZED EXCEPT WHERE AN ADAPTER IS NEEDED TO CONNECT TO PVC. ELECTRICAL METALLIC TUBING (EMT) CONDUIT FITTINGS SHALL BE STEEL, RAINTIGHT THREADLESS COMPRESSION TYPE. DIE CAST, SET SCREW, OR INDENTED TYPES ARE NOT ACCEPTABLE. SET SCREW TYPE IS NOT ACCEPTABLE.

26. ALL TELCO CONDUIT INSTALLATIONS AND OTHER EMPTY CONDUIT RUNS AND STUBS SHALL INCLUDE A YELLOW 3/8" POLYPROPYLENE PULL STRING.

27. ALL CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM SIZE, TYPE THHN/THWN THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET AND 90 DEGREES CELSIUS DRY AND UL LISTED UNLESS NOTED OTHERWISE. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED. UNLESS SPECIFICALLY NOTED TO THE CONTRARY. ALL WIRE CONNECTORS SHALL BE CRIMP COMPRESSION TYPE BY "THOMAS AND BETT" OR APPROVED EQUIVALENT, INSTALLED AND INSULATED PER THE MANUFACTURER'S RECOMMENDATIONS. ALL WIRE ENDS SHALL BE MARKED FOR EASY IDENTIFICATION AND TRACING.

28. JUNCTION AND PULL BOXES: FOR INTERIOR DRY LOCATIONS, BOXES SHALL BE GALVANIZED ONE—PIECE, DRAWN STEEL, KNOCKOUT TYPE WITH REMOVABLE MACHINE SCREW SECURED COVERS. FOR OUTSIDE, DAMP, OR SURFACE LOCATIONS, BOXES SHALL BE HEAVY CAST ALUMINUM OR CAST IRON WITH REMOVABLE, GASKETS, NON—FERROUS MACHINE SCREW SECURED COVERS. BOXES SHALL BE SIZED FOR THE NUMBER AND SIZES OF CONDUCTORS AND CONDUIT ENTERING THE BOX AND EQUIPPED WITH PLASTER EXTENSION RINGS WHERE REQUIRED. BOXES SHALL BE LABELLED TO INDICATE PANEL AND CIRCUIT NUMBER, OR TYPE OF SIGNAL OR COMMUNICATIONS SYSTEM.

29. ALL OUTDOOR ELECTRICAL DEVICES OR EQUIPMENT SHALL BE OF WEATHERPROOF TYPE.

30. ALL EQUIPMENT, MONOPOLE, FRAME, CABLE TRAY AND ANTENNA GROUND WIRE CONNECTIONS TO GROUND BUSSES SHALL BE MADE WITH CRIMP TYPE COMPRESSION CONNECTIONS TO CONNECTORS (MINIMUM 2 HOLE LUGS WITH FULL BOLTING). BUSS SHALL BE PRE—DRILLED TO ACCOMMODATE ALL CONNECTORS.

31. ALL GROUNDING SHALL BE PER N.E.C. SECTION 250 AND 810 AND THE GROUNDING REQUIREMENTS OF THESE DRAWINGS.

32. ALL GROUND WIRE CONNECTIONS BETWEEN GROUND BUSSES AND OTHER GROUND BUSSES AND GROUND RODS SHALL BE CADWELD.

33. ALL METALLIC GROUND WIRE CONDUIT SHALL BE GROUNDED TO THE GROUND WIRE USING SET SCREW CONNECTIONS AT CONDUIT END CAPS AND CRIMP CONNECTIONS AT WIRE.

34. COAT ALL BOLTED LUG & BUSS GROUND CONTACT SURFACES WITH KOPR—SHIELD, NO—OX, OR EQUAL PRIOR TO ATTACHMENT.

35. MAIN CIRCUIT BREAKER SHALL BE RATED FOR STANDARD A.I.C. RATING HIGHER THAN INCOMING A.I.C.

36. ALL EQUIPMENT SHALL BE U.L. LISTED.

37. ALL EQUIPMENT SHALL BE BRACED FOR STANDARD A.I.C. RATING HIGHER THAN INCOMING FROM UTILITY COMPANY.

38. ALL CORING CLEARANCES SHALL BE FIELD VERIFIED AND ALL CONDUIT ROUTING SHALL BE COORDINATED WITH PROPERTY OWNERS REPRESENTATIVE.

39. ALL CONNECTIONS TO EXISTING MAIN SWITCHGEAR INCLUDING "BUS—TAPS" AND/OR "HOT—TAPS" REQUIRE CERTIFICATION AND APPROVAL. FABRICATION AND CERTIFICATION SHALL BE FURNISHED BY A CONTRACTOR APPROVED BY THE APPLICABLE UTILITY.

40. CONTRACTOR SHALL COORDINATE WORK WITH UTILITY COMPANIES FOR FINAL AND EXACT WORK AND MATERIAL REQUIREMENTS, CONSTRUCT TO UTILITY COMPANIES ENGINEERING PLANS AND SPECIFICATIONS ONLY.

41. ALL BROCHURES, OPERATION MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE PROJECT MANAGER AT THE COMPLETION OF WORK.

42. SWITCHES AND RECEPTACLES AS SPECIFIED ON FLOOR PLANS.

UTILITIES NOTES

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE POINT OF CONNECTION, CONDUIT ROUTE, INSTALLATION DETAILS AND SPECIFIC PROJECT PARAMETERS WITH THE LOCAL TELEPHONE COMPANY SINGLE POINT OF CONTACT (SPOC) PRIOR TO BEGINNING ANY WORK IN THE FIELD.

2. THE PROJECT ADDRESS AND ANY SPECIFIC UNIT NUMBER MUST BE PROVIDED TO THE LOCAL TELEPHONE COMPANY SPOC MINIMUM 1 WEEK PRIOR TO FINAL INSPECTION TO AVOID DELAY IN INSTALLATION OF SERVICE.

3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND FACILITIES AS SHOWN AND DETAILED ON THE PLANS AS REQUIRED FOR T1 SERVICE AND A SINGLE POTS LINE TO THE BTS FACILITY.

4. THE TELEPHONE TERMINAL BACKBOARD SHALL BE 30"x8'—0"x5/8" THICK FIRE RATED PLYWOOD SANDED AND PAINTED WITH FIRE RATED PAINT. MOUNT BACKBOARD BOTTOM AT 6" A.F.F. PROVIDE MINIMUM 12" CLEARANCE FROM POWER ON THE SAME WALL AND 42" MINIMUM CLEARANCE FROM ADJOINING OR OPPOSITE WALLS. VERIFY WIDTH.

5. CONDUIT SPECIFICATIONS SHALL BE AS FOLLOWS:

a. GENERAL: ALL TELEPHONE SERVICE CONDUIT SHALL RUN FROM POLE, VAULT, PULL—BOX, MANHOLE OR OTHER POINT OF CONNECTION ESTABLISHED BY THE LOCAL TELEPHONE COMPANY SPOC AND SHALL RUN CONTINUOUS TO AN EDGE OF THE TELEPHONE TERMINAL BACKBOARD.

b. UNDERGROUND CONDUIT AND RISERS SHALL BE MINIMUM 4" DIAMETER SCHEDULE 40 PVC. TRENCH DEPTH SHALL PROVIDE FOR MINIMUM 24" COVER OVER CONDUIT. CONDUIT RUN SHALL BE NO MORE THAN 200 FEET IN LENGTH OR HAVE NO MORE THAN (2) 90° BENDS (OR EQUIVALENT) BETWEEN PULL BOXES.

c. ABOVE GROUND CONDUIT AND CONDUIT INSIDE BUILDINGS SHALL BE EMT WITH FITTINGS AS NOTED IN ELECTRICAL NOTES. PROVIDE A UL APPROVED 18" HIGH x 10" DEEP WEATHER RESISTANT NEMA 3R RATED PULL BOX ON ALL ABOVE GRADE CONDUIT RUNS AT INTERVALS NOT TO EXCEED 100 FEET OR (2) 90° BENDS (OR EQUIVALENT).

d. OVERHEAD EXTERIOR FEEDS SHALL BE 4" DIAMETER RIGID GALVANIZED CONDUIT WITH A WEATHERHEAD OF A TYPE AND AT A HEIGHT APPROVED BY LOCAL TELEPHONE COMPANY SPOC (MINIMUM 20 FEET ABOVE FINISHED GRADE).

6. A 1—1/4" DIAMETER ORANGE INTER—DUCT SHALL BE PROVIDED IN ALL TELEPHONE SERVICE CONDUIT.

7. A MINIMUM 3/8" YELLOW POLYPROPYLENE PULL ROPE SHALL BE INCLUDED IN EVERY INTER—DUCT WITH A SEPARATE 3/8" YELLOW POLYPROPYLENE PULL ROPE INSIDE THE CONDUIT, NOT INSIDE THE INTER—DUCT.

8. THE ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABILITY OR SHALL PROVIDE A NEW 120V POWER SOURCE MINIMUM 12" FROM TELEPHONE TERMINAL BACKBOARD.

9. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A #6 SOLID INSULATED COPPER GROUND WIRE FROM A GROUND SOURCE APPROVED BY THE LOCAL TELEPHONE COMPANY SPOC MINIMUM STANDARD SOURCE SHALL BE A 5/8" DIAMETER x 8'—0" LONG COPPER CLAD STEEL GROUND ROD.

10 ALL WIRING SHALL BE DONE BY THE LOCAL TELEPHONE COMPANY UNLESS OTHERWISE NOTED.

11. ALL TELEPHONE CONDUIT SHALL BE LABELED AT DESIGNATED TELEPHONE COMPANY.

TELEPHONE SPECIFICATIONS

1. UTILITY POINTS OF SERVICE AND WORK / MATERIALS SHOWN ARE BASED UPON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.

2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK / MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL ROPES, CABLES, PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT (IF REQUIRED), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, PAY ALL UTILITY COMPANY FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.

3. UTILITY CONTACTS FOR THIS PROJECT SHALL BE AS FOLLOWS:

POWER:	TELEPHONE:
TBD	TBD
.	.
.	.
CONTACT NAME CONTACT NUMBER	CONTACT NAME CONTACT NUMBER

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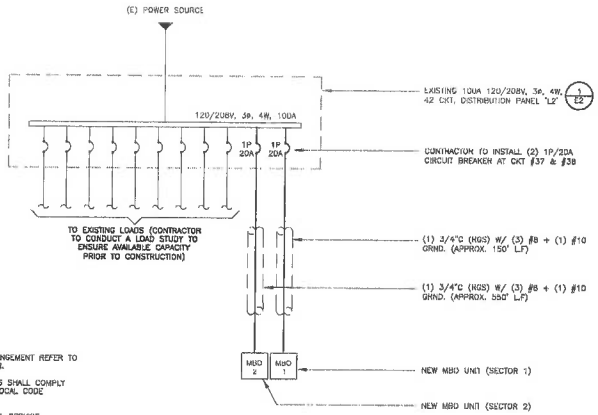
SHEET TITLE
ELECTRICAL & TELEPHONE SPECIFICATIONS & UTILITIES NOTES

SHEET: E1
DGE NO: P21AT011
SITE NAME: WESTERN NEVADA COLLEGE



NOTES:

1. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY PANEL MANUFACTURER.
2. ALL SERVICE EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE N.E.C. AND UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
3. SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.
4. POWER CONTROL AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG AND LARGER), 600V, OIL RESISTANT THN OR THN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 DEGREE CELSIUS (WET & DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.

PANEL SCHEDULE (EXISTING PANEL J) 1

A.I.C. 10,000				(E) PANEL L2										MAIN 100			
SURFACE MOUNT				120/208V, 3-PHASE, 4-WIRE										BUS			
DESCRIPTION	WATTAGE A	WATTAGE B	WATTAGE C	LTS	REC	MSC	CB P/A	CKT	CKT	CB P/A	MSC	REC	LTS	WATTAGE A	WATTAGE B	WATTAGE C	DESCRIPTION
RESTROOM LIGHTS							1P / 20A	1	2	1P / 20A							FIRE ALARM CABINET
N.E. CHAIR LIFT							1P / 20A	3	4	1P / 20A							VENDING MACHINE
VENDING MACHINE							1P / 20A	5	6	1P / 20A							VENDING MACHINE
VENDING MACHINE							1P / 20A	7	8	1P / 20A							VENDING MACHINE
VENDING MACHINE							1P / 20A	9	10	1P / 20A							(OFF) SPARE
RESTROOM EXHAUST FAN							1P / 20A	11	12	1P / 20A							DRINKING FOUNTAIN
ROOF RECEPTACLE							1P / 20A	13	14	1P / 15A							(OFF) SPARE
SPARE							1P /20A	15	16								
CRAWL SPACE LIGHTS							1P / 20A	17	18	1P / 15A							AC UNIT ON ROOF
(OFF) SPARE							1P / 20A	19	20								
COND PUMP							1P / 20A	21	22								SPACE
E ENTRANCE RECEPTACLES							1P / 20A	23	24	1P / 20A							(OFF (SPARE)
E ENTRANCE DOOR POWER							1P / 20A	25	26	1P / 20A							R INFORMATION DESK
UNKNOWN							1P / 20A	27	28								
SPACE								29	30								
(OFF) SPARE							1P / 20A	31	32	1P / 20A							NIGHT GATEWAY POWER
(OFF) SPARE							1P / 20A	33	34	1P / 20A							SECURITY OFFICE NETWORK
(OFF) SPARE							1P / 20A	35	36	1P / 20A							(OFF) SPARE
SPACE								37	38	1P / 20A	1			360			(N) AT&T MBO SECT. 1
SPACE								39	40	1P / 20A	1				360		(N) AT&T MBO SECT. 2
SPACE								41	42								SPACE
PHASE SUB-TOTALS	0	0	0											360	360	0	PHASE SUB-TOTALS
PHASE TOTALS (WATTS)	A	360													1.00	A	PHASE TOTALS (AMPS)
	B	360													1.00	B	
	C	0													0.00	C	
PANEL TOTAL (WATTS)		720													2.00		ADDITONAL PANEL TOTAL (AMPS)

1. ALL CIRCUIT BREAKERS AND/OR FUSES SHALL BE FULLY RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT INDICATED.

UNUSED

PANEL SCHEDULE (EXISTING PANEL L2) 2

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CONSULTING ENGINEERS
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PLEASANTON, CA 94566
TEL: (925) 468-0115 FAX: (925) 468-0355

REV.	DATE	DESCRIPTION	BY	CHK.
1	8/24/21	ISSUED FOR DESIGN REVIEW	JH	

SHEET TITLE: ONE-LINE DIAGRAM, & PANEL SCHEDULE

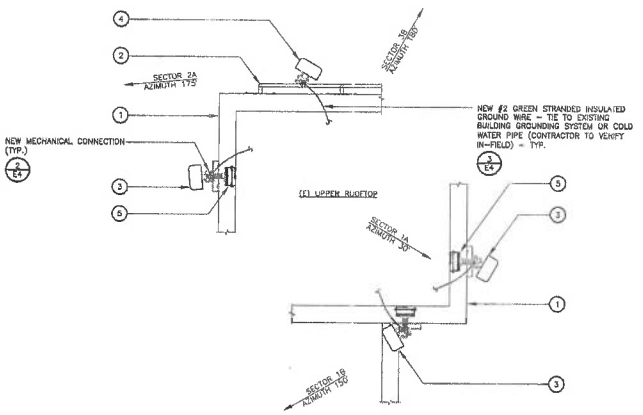
SHEET: E2

DRF NO.: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE

KEY NOTES:

1. EXISTING BUILDING PARAPET WALL (TYP.)
2. EXISTING STEEL GUARDRAIL (TYP.)
3. NEW AT&T PANEL ANTENNA (MANUF.: CCI; MODEL: HPA-65R-BUU-H4; SIZE: 48.3"(H)X14.4"(W)X7.3(D); WT.: 32.3 LBS.) – PIPE MOUNTED TO EXISTING BUILDING WALL (PAINT TO MATCH EXISTING BUILDING)
4. NEW AT&T PANEL ANTENNA (MANUF.: CCI; MODEL: HPA-65R-BUU-H4; SIZE: 48.3"(H)X14.4"(W)X7.3(D); WT.: 32.3 LBS.) – PIPE MOUNTED TO EXISTING BUILDING BUILDING GUARDRAIL
5. NEW AT&T MBO UNIT #1 (MANUF.: NOKIA; MODEL: FLEXI ZONE; SIZE:9.7"(H)X12.8"(W)X6.3"(D); WT.: 24.2 LBS.– WALL-MOUNTED INSIDE 'SCENE SHOP (S440)'PER MANUFACTURER SPECIFICATIONS (PAINT TO MATCH EXISTING BUILDING)

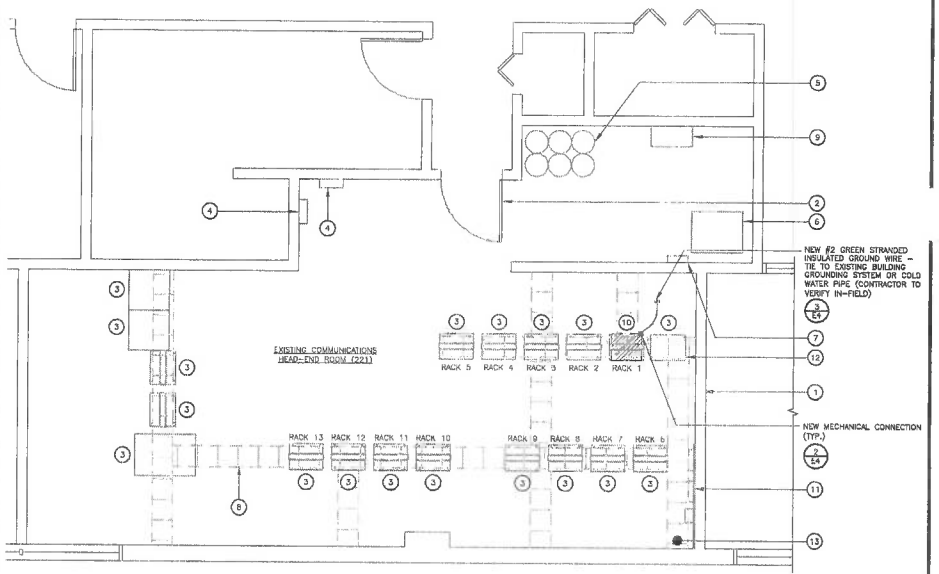


NOTES:

1. DO NOT SCALE DRAWINGS. ALL DIMENSIONS OF AND BETWEEN EXISTING BUILDINGS/STRUCTURES, OR RELATIVE DISTANCES AS SHOWN BETWEEN EXISTING BUILDINGS/STRUCTURES AND THE TRUE NORTH ARE TO BE CONFIRMED BY THE SURVEYOR.
2. PLAN IS A DIAGRAM – CONTRACTOR TO VERIFY EXACT CABLE/CONDUIT ROUTING W/ LANDLORD AND AT&T CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

ANTENNA GROUNDING PLAN

SCALE: 3/8 inch = 1 ft 2



KEY NOTES:

1. EXISTING BUILDING (TYP.)
2. EXISTING ACCESS DOOR (TYP.)
3. EXISTING EQUIPMENT RACK/CABINET (TYP.)
4. EXISTING WALL-MOUNTED PANEL
5. EXISTING FIRE SUPPRESSION SYSTEM
6. EXISTING TRANSFORMER
7. EXISTING MANUAL SHUT-OFF SWITCH
8. EXISTING OVERHEAD CABLE LADDER (TYP.)
9. EXISTING WALL-MOUNTED EQUIPMENT
10. EXISTING EQUIPMENT RACK (RACK 1) – LOCATION OF NEW TELCO EQUIPMENT (SARH) (CONTRACTOR TO PROVIDE POWER CHORD FROM NEW SARH TO EXISTING TWIST LOCK – VERIFY IN-FIELD)
11. EXISTING TELCO BACKBOARD – LOCATION OF EXISTING TELCO CIENA (TELCO P.O.C.)
12. NEW (1) 1 1/4"ø INNERDUCT FOR NEW TELCO ROUTING ALONG EXISTING OVER HEAD CABLE LADDER FROM TELCO P.O.C. TO NEW AT&T TELCO EQUIPMENT
13. NEW (1) 1 1/4"ø INNERDUCT FOR FIBER FROM NEW TELCO EQUIPMENT TO ANTENNA LOCATIONS AT ROOFTOP ABOVE (REFER TO SHEET A2 FOR CONTINUATION)

NOTES:

1. DO NOT SCALE DRAWINGS. ALL DIMENSIONS OF AND BETWEEN EXISTING BUILDINGS/STRUCTURES, OR RELATIVE DISTANCES AS SHOWN BETWEEN EXISTING BUILDINGS/STRUCTURES AND THE TRUE NORTH ARE TO BE CONFIRMED BY THE SURVEYOR.
2. PLAN IS A DIAGRAM – CONTRACTOR TO VERIFY EXACT CABLE/CONDUIT ROUTING W/ LANDLORD AND AND AT&T CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

UNUSED

EQUIPMENT GROUNDING PLAN

SCALE: 3/8 inch = 1 ft 2

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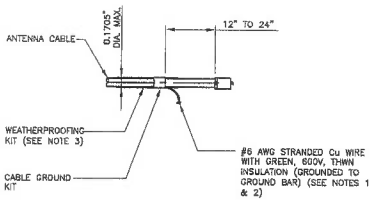
REV.	DATE	DESCRIPTION	BY	CHK
1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE:
LOWERY STUDENT CENTER & CVPA BLDG.
EQUIPMENT & ANTENNA GROUNDING PLANS

SHEET: E3
DWG NO: P21AT011
SITE NAME: WESTERN NEVADA COLLEGE

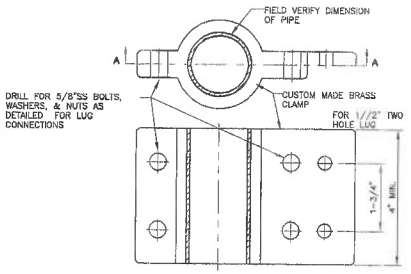


NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

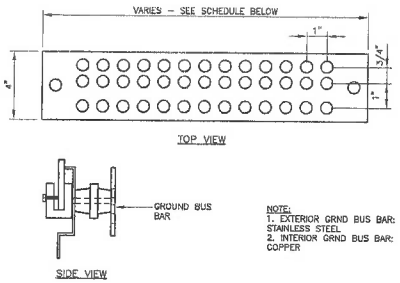
3. WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)

GROUNDING KIT



SECTION A-A

GROUNDING PIPE CLAMP



TOP VIEW

SIDE VIEW

NOTE:
1. EXTERIOR GRND BUS BAR: STAINLESS STEEL
2. INTERIOR GRND BUS BAR: COPPER

EQUIPMENT BUS BAR

1. PROVIDE A COMPLETE GROUNDING SYSTEM PER NATIONAL ELECTRICAL CODE ARTICLE 250 AND EQUIPMENT MANUFACTURER'S REQUIREMENTS. USE THESE DRAWINGS AS MINIMUM GUIDELINE TO IMPLEMENT CARRIER AND EQUIPMENT CABINET MANUFACTURER SPECIFICATIONS.

2. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND MOUNTING MAY VARY DUE TO SITE SPECIFIC CONDITIONS.

3. ALL GROUNDING CONDUCTORS SHALL BE COPPER.

4. ALL GROUNDING WIRE BELOW GRADE SHALL BE BARE #2 TINNED SOLID COPPER WIRE BURIED @ 18" MINIMUM. ALL CONDUIT BELOW GRADE SHALL BE PVC SCHEDULE 80.

5. ALL GROUND WIRE ABOVE GRADE IS STRANDED COPPER (UNO), SIZE AS SHOWN ON PLANS.

6. USE MINIMUM #2/0 AWG COPPER CONDUCTORS FOR COMMUNICATION SERVICE GROUNDING CONDUCTORS.

7. ALL GROUND CONNECTIONS SHALL BE LISTED FOR THE PURPOSED INTENDED.

8. ALL LUGS SHALL BE 2-HOLE LONG-BARREL SOLID COPPER BURNDY THOMAS & BETTS OR EQUAL.

9. MINIMUM BEND RADIUS FOR GROUNDING CONDUCTORS #2 AND LARGER SHALL BE 12", 8" MINIMUM RADIUS FOR SMALL CONDUCTORS.

10. ALL CONNECTIONS AT BELOW GRADE APPLICATIONS SHALL BE CADWELD.

11. ALL IRREVERSIBLE COMPRESSION TYPE CONNECTORS SHALL BE INSTALLED USING A 12 TON HYDRAULIC PRESS MINIMUM.

12. INSTALL GROUNDING AND BONDING CONDUCTORS WITH SUFFICIENT SLACK TO AVOID BREAKING DUE TO SETTLEMENT AND MOVEMENTS OF CONDUCTORS AT ATTACHED POINTS.

13. COAT ALL BOLTED LUG & BUS GROUND CONTACT SURFACES WITH KOPR-SHIELD, NO-OX, OR PRIOR TO ATTACHMENT.

14. GROUNDING RODS SHALL BE 5/8" DIAMETER x10'-0" LONG COPPER CLAD STEEL.

15. WHERE MULTIPLE GROUND RODS ARE INSTALLED, THEY SHALL NOT BE LESS THAN 10 FEET NOR MORE THAN 16 FEET APART UNLESS APPROVED BY THE CARRIER REPRESENTATIVE, OR CONSTRUCTION MANAGER.

16. DRIVEN GROUND RODS SHALL BE USED EXCEPT WHERE SPECIFIC SITE CONDITIONS PRESENT DIFFICULTY, IN WHICH CASE A ELECTROLYTIC (CHEMICAL) ROD SYSTEMS MAY BE USED, SUCH AS MANUFACTURED BY LYNCOLE KIT GROUNDING SYSTEM OR EQUAL.

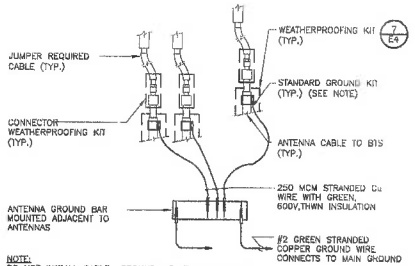
17. CONTRACTOR SHALL TEST GROUND RESISTANCE AT "MGB" TO VERIFY THAT RESISTANCE SHALL NOT EXCEED 5 OHMS AND SHALL SUBMIT AN INDEPENDENT TESTING REPORT TO ATTFWS REPRESENTATIVE, OR CONSTRUCTION MANAGER INDICATING RESISTANCE VALUE OBTAINED. CONTRACTOR SHALL PROVIDE GROUNDING SYSTEM AS PART OF ITS BID, AS REQUIRED TO ATTAIN A 5 OHM VALUE OR LESS.

18. TESTING: PERFORM FULL FALL OF POTENTIAL TEST PER EEE STANDARD NO. 81: SECTION 9.04 ON THE MAIN GROUNDING REQUIREMENTS.

19. FINAL GROUND TEST SHALL BE MADE IN PRESENCE OF THE CARRIER REPRESENTATIVE, OR CONSTRUCTION MANAGER.

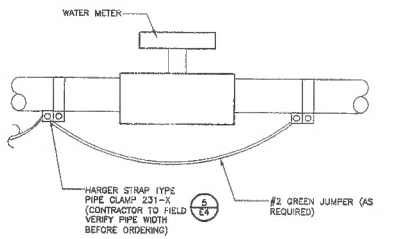
GENERAL GROUNDING NOTES

UNUSED

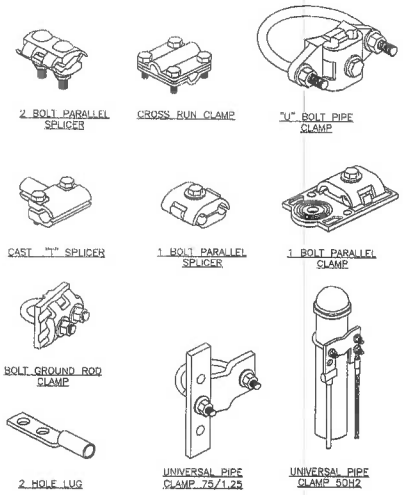


NOTE:
DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE TO BUS BAR.

ANTENNA GROUNDING



GROUND TO COLD WATER PIPE



MECHANICAL CONNECTIONS

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REV.	DATE	DESCRIPTION	BY	CHK
1	8/24/21	ISSUED FOR DESIGN REVIEW	JK	

SHEET TITLE
GENERAL GROUNDING NOTES, AND GROUNDING DETAILS

SHEET: E4

DWG NO.: P21AT011

SITE NAME: WESTERN NEVADA COLLEGE