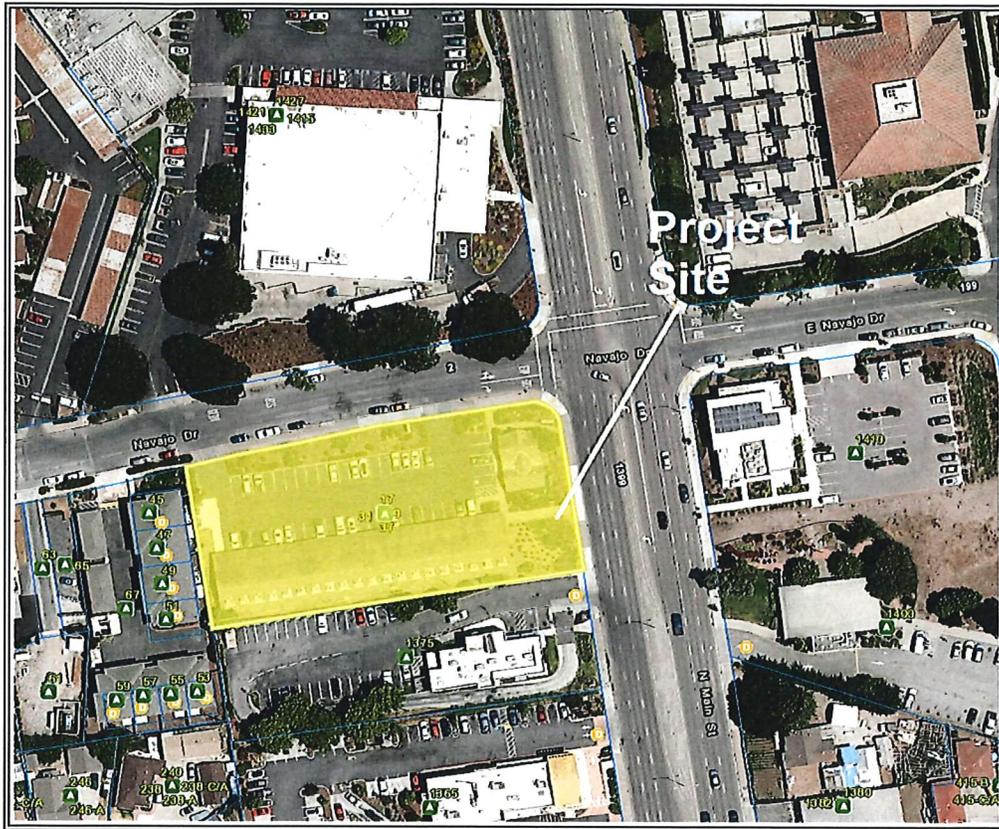


North

Vicinity Map



**CONDITIONAL USE PERMIT 2020-002
17 Navajo Drive**

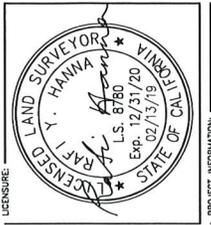
Exhibit A



REV	DATE	DESCRIPTION
2	02/13/2019	FINAL SURVEY
1	02/29/2018	PRELIMINARY SURVEY

ISSUED DATE:
FEBRUARY 13, 2019

ISSUED FOR:
FINAL SURVEY

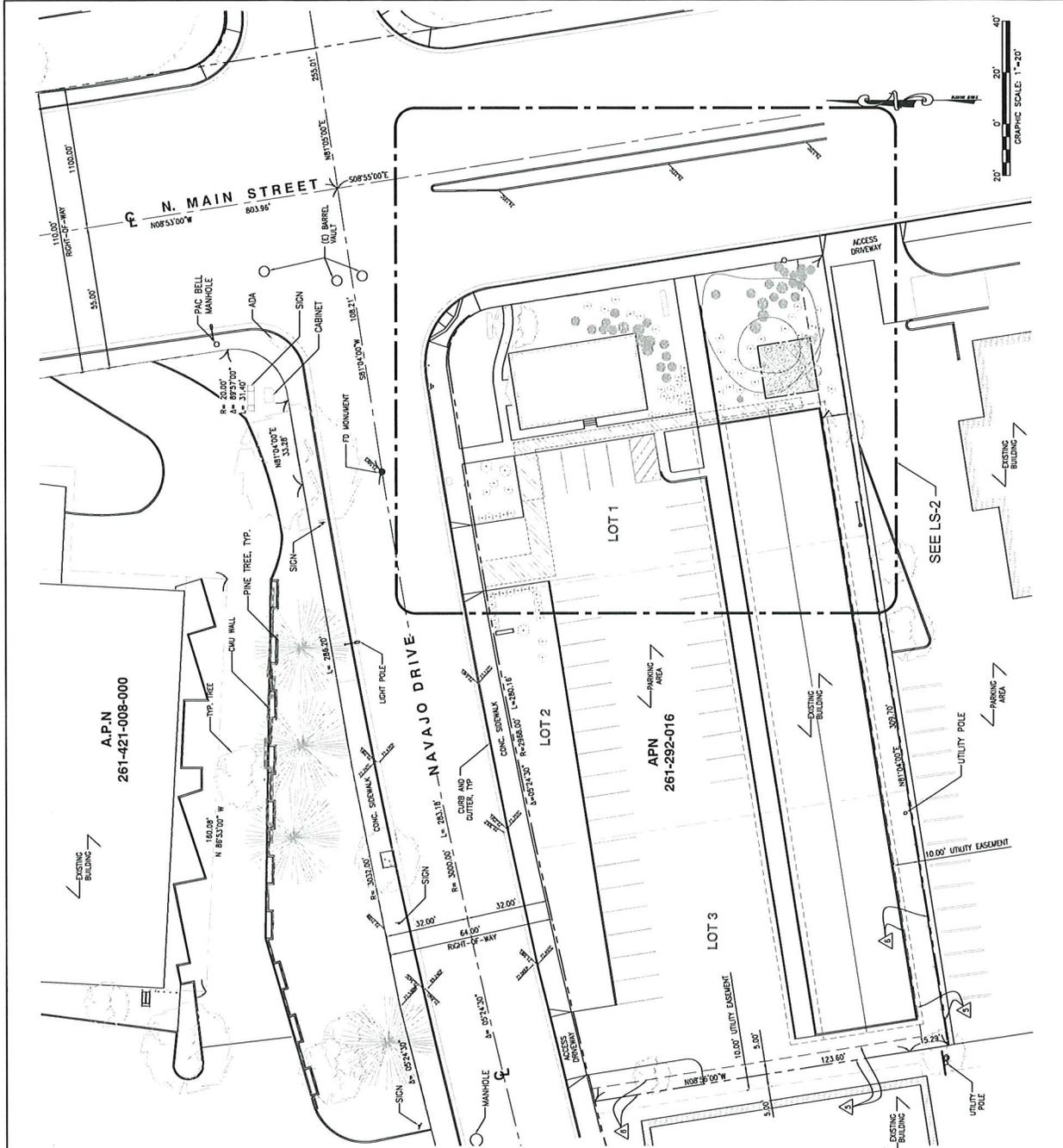


PROJECT INFORMATION:
HEALD COLLEGE SALINAS
LOCATION CODE: 464125
17 NAVAJO DR.,
SALINAS, CA 93906

DRAWN BY:
EWS
CHECKED BY:
RH

SHEET TITLE:
TOPOGRAPHIC SURVEY

SHEET NUMBER:
LS-1



VICINITY MAP

APN 261-292-016
SITE ADDRESS 17 NAVAJO DR., SALINAS, CA 93906

TITLE REPORT
 TITLE REPORT WAS PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY WITH COMMITTEE NUMBER 2684727 DATED JANUARY 24, 2015.

BASIS OF BEARING
 THE BEARING MEASUREMENTS WERE USED AS BASIS OF BEARING FOR THIS SURVEY.

BENCHMARK
 ELEVATIONS ARE BASED ON CALIFORNIA STATE BROADBENT COORDINATE VALUES FOR 2017, NAVD 83.

FLOODZONE
 FLOOD ZONE 'X' AS PER F.I.R.M. MAP NO. 0605302029C EFFECTIVE DATE 01/02/2008.

LEGAL DESCRIPTION
 THE LAND REFERRED TO IN THIS GUARANTEE IS DESCRIBED AS FOLLOWS:
 REAL PROPERTY IN THE CITY OF SALINAS, COUNTY OF MONTEREY, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:
 ALL THAT CERTAIN REAL PROPERTY IN THE CITY OF SALINAS, COUNTY OF MONTEREY, STATE OF CALIFORNIA AS SHOWN UPON THAT CERTAIN MAP FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF SAID COUNTY, MONTEREY COUNTY, CALIFORNIA, MAP NO. 0605302029C, BEING THE COUNTY RECORD OF SAID COUNTY.

APR: 261-292-016-000

SCHEDULE B
 ITEMS 1-3 ARE TAX/ASSESSMENT RELATED
 ITEMS 7&8 ARE TERMS RELATED
 ITEM 9 IS NOTICE RELATED

OWNERS, CONTRACTORS, RESTRICTORS AND ADJOINERS TO THE PROPERTY REFERRED TO HEREIN SHALL BE ADVISED THAT THIS SURVEY WAS CONDUCTED IN ACCORDANCE WITH THE PROFESSIONAL STANDARDS OF THE SURVEYING INDUSTRY AND THAT THE SURVEYOR HAS OBTAINED ALL NECESSARY PERMISSIONS AND RECORDS TO CONDUCT THIS SURVEY. THE SURVEYOR'S LIABILITY IS LIMITED TO THE ACTUAL SURVEY WORK AND DOES NOT EXTEND TO ANY OTHER MATTER. THE SURVEYOR SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THE SURVEY OR FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE SURVEY OR FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE SURVEYOR'S NEGLIGENCE OR WILLFUL MISFEASANCE.

PROPERTY LINES ARE BASED FROM: DATED MARCH 14, 1974.
 LOTS 1 & 2 OF PARCEL MAP PC 24
 LOTS 3 OF PARCEL MAP PC 71 DATED FEBRUARY 26, 1975





1000 SPECTRUM DRIVE, SUITE 100
WALNUT CREEK, CA 94598 9



1 SPECTRUM DRIVE, SUITE 100
LAKE FOREST, CA 92530



1000 SPECTRUM DRIVE, SUITE 224
LAKE FOREST, CA 92530 / (951) 431-7173

NO.	DATE	REVISION	DESCRIPTION
11	05/28/2020	JURISDICTION COMMENTS	
10	01/27/2020	REVISION	ADDRESS
9	10/04/2019	CABINET ADDED	
8	08/28/2019	ADDED PITCHED ROOF	
7	07/19/2019	CLOCK TOWER REVISION	
6	06/27/2019	CLOCK TOWER REVISION	
5	06/05/2019	DESIGN REVISION	
4	05/08/2019	100% ZD	
3	03/22/2019	WATER TANK DESIGN	
REV	DATE	DESCRIPTION	

ISSUED DATE: MAY 28, 2020

ISSUED FOR: 100% ZD SET

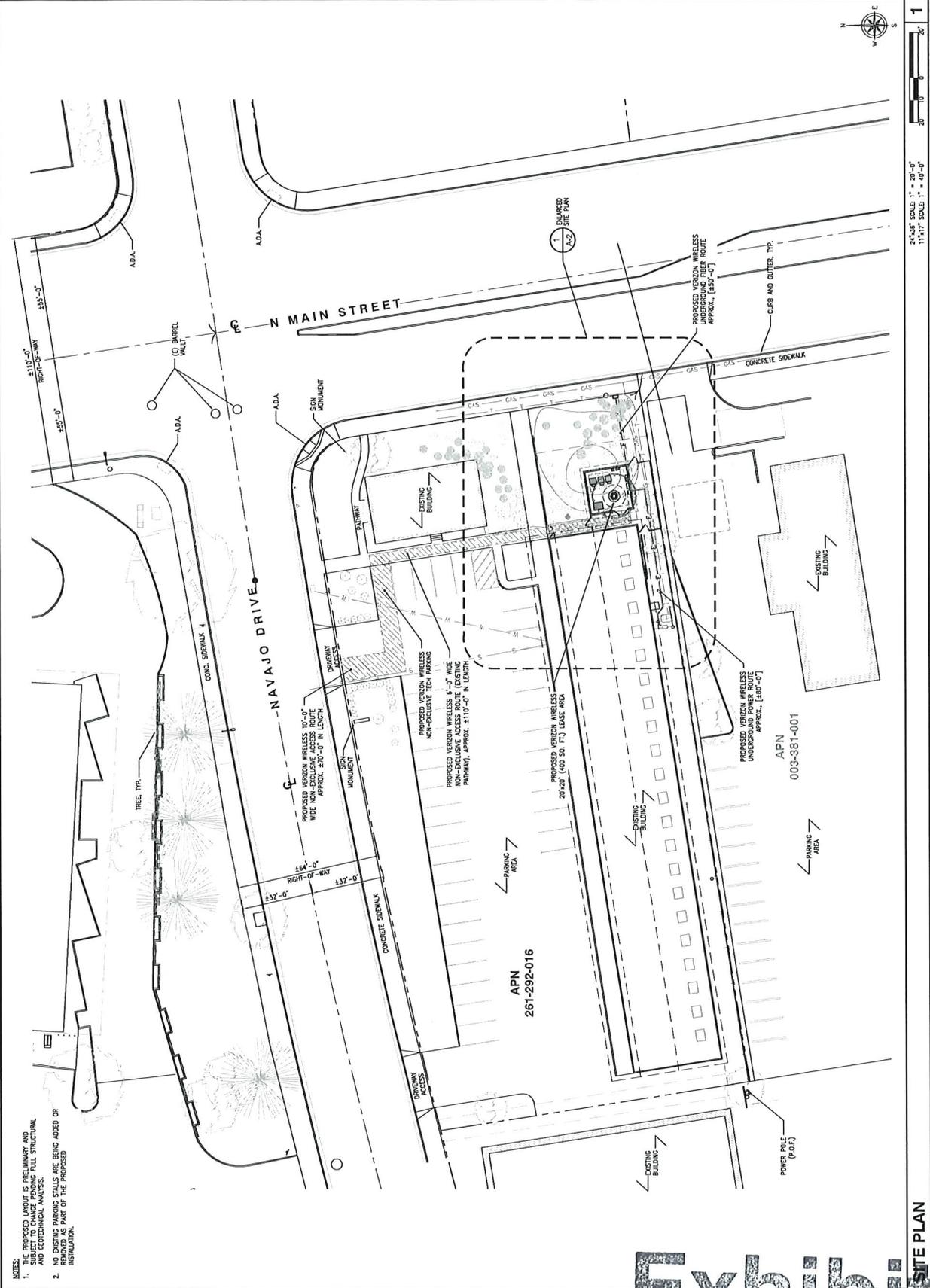
LICENSE:

PROJECT INFORMATION:
HEALD COLLEGE SALINAS
LOCATION CODE: 464125
17 NAVAJO DR.,
SALINAS, CA 95306

DRAWN BY:
CHECKED BY:
SCALE:

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1



NOTES:
1. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND GEOTECHNICAL ANALYSIS.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR INSTALLED.



SEQUOIA
 DEPLOYMENT SERVICES, INC.
 1 SPECTRUM AVENUE, SUITE 130
 LAKELAND, FLORIDA 33801



REV	DATE	DESCRIPTION
11	05/28/2020	JURISDICTION COMMENTS
10	07/21/2020	REVISED ADDRESS
9	10/04/2019	CABINET ADDED
8	08/28/2019	ADDED PITCHED ROOF
7	07/19/2019	CLOCK TOWER REVISION
6	05/27/2019	CLOCK TOWER REVISION
5	05/05/2019	DESIGN REVISION
4	05/09/2019	100% ZD
3	03/22/2019	WATER TANK DESIGN

ISSUED DATE: **MAY 28, 2020**

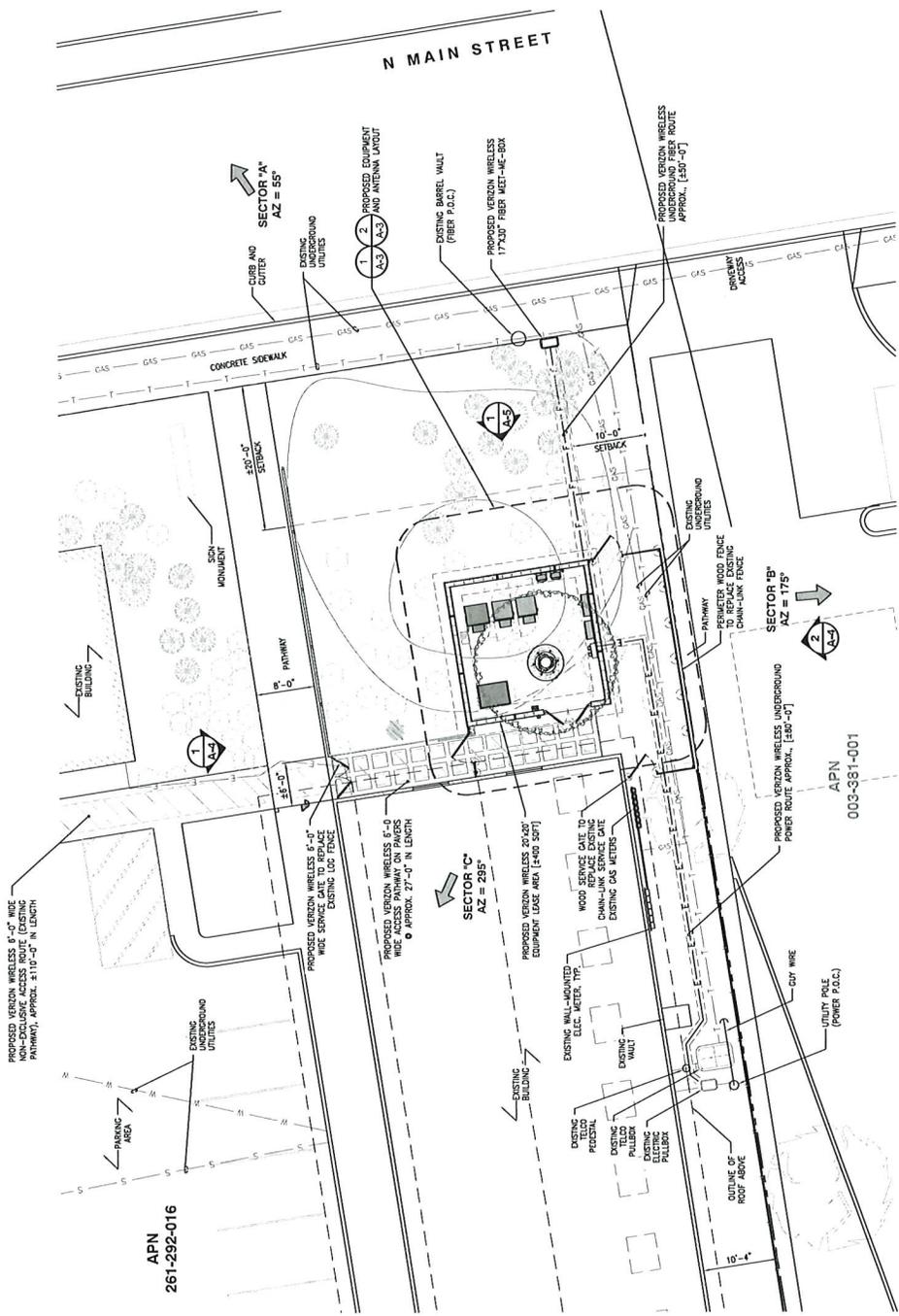
ISSUED FOR: **100% ZD SET**

PROJECT INFORMATION:
HEALD COLLEGE SALINAS
 LOCATION CODE: 464125
 17 NAVAJO DR.,
 SALINAS, CA 93906

DESIGN BY:
 CHECKED BY:
 SKETCH TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:
A-2

- NOTES:
1. THE PROPOSED LAYOUT IS PRELIMINARY AND NOT BE USED FOR PERMITS, FULL STRUCTURAL AND ELECTRICAL ANALYSIS.
 2. EXISTING DIMENSIONS SHALL BE USED UNLESS OTHERWISE NOTED OR REVISIONS ARE MADE AS PART OF THE PROPOSED INSTALLATION.



ENLARGED SITE PLAN





REV	DATE	DESCRIPTION
1	10/26/2018	ISSUED FOR PERMITS
2	11/22/2018	ISSUED FOR PERMITS
3	12/22/2018	ISSUED FOR PERMITS
4	01/29/2019	ISSUED FOR PERMITS
5	02/27/2019	ISSUED FOR PERMITS
6	03/27/2019	ISSUED FOR PERMITS
7	07/19/2019	ISSUED FOR PERMITS
8	08/29/2019	ISSUED FOR PERMITS
9	10/04/2019	ISSUED FOR PERMITS
10	10/27/2020	ISSUED FOR PERMITS
11	10/28/2020	ISSUED FOR PERMITS

ISSUED DATE: MAY 28, 2020

ISSUED FOR: 100% ZD SET

LOGO: _____

PROJECT INFORMATION:
HEALD COLLEGE SALINAS
LOCATION CODE: 464125
17 NAVAJO DR.,
SALINAS, CA 93906

DRAWN BY: HMM
CHECKED BY: HMM

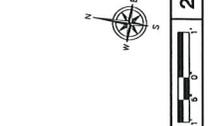
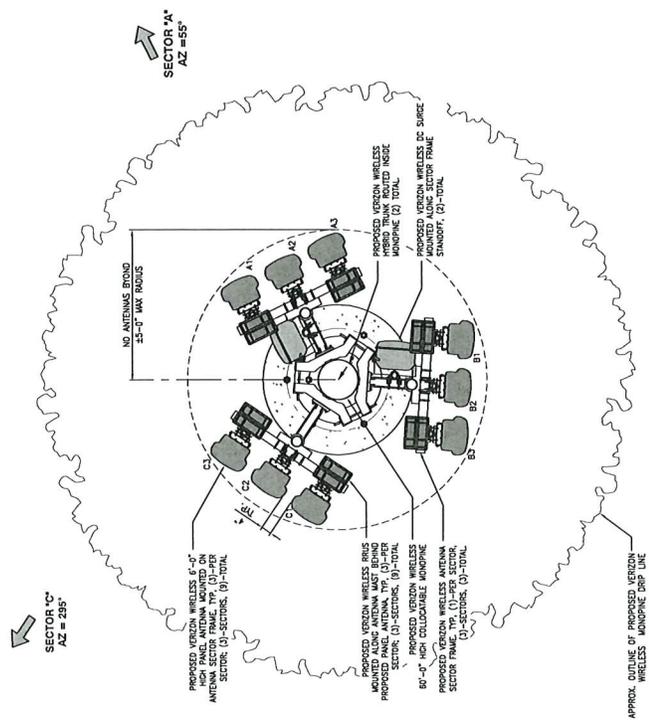
SHEET TITLE: EQUIPMENT AND ANTENNA LAYOUT

SHEET NUMBER: A-3

PROPOSED ANTENNA SCHEDULE

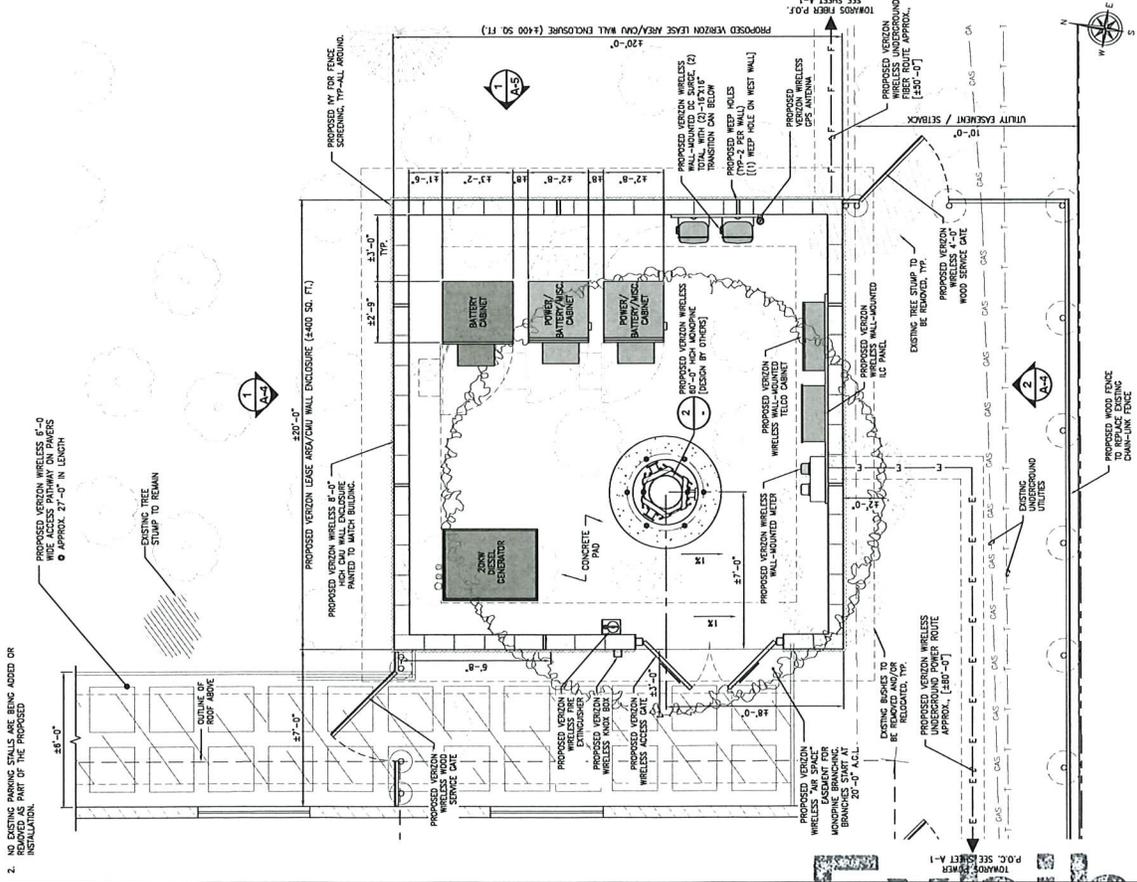
ANTENNA POSITION	STATUS	TYPE	MAKE/MODEL	AZIMUTH	FEED COUNT	FEED DOWNSHIFT	FEED DOWNSHIFT	TRANSMISSION LOCATION	TRANSMISSION TYPE(S)	FEED COUNT	FEED MAKE/MODEL
A1	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	50°	1	0	0	#10'-0"		1	EROSION BRGS
A2	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	50°	1	0	0	#10'-0"		1	EROSION BRGS
A3	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	50°	1	0	0	#10'-0"		2	EROSION BRGS
B1	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	175°	1	0	0	#10'-0"	(1) 1/2" HYBRID TRUNKS	1	EROSION BRGS
B2	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	175°	1	0	0	#10'-0"		2	EROSION BRGS
C1	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	295°	1	0	0	#10'-0"		1	EROSION BRGS
C2	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	295°	1	0	0	#10'-0"		2	EROSION BRGS
C3	PROPOSED	GENERIC 8' ANTENNA	GENERIC 8' ANTENNA	295°	1	0	0	#10'-0"		2	EROSION BRGS

ANTENNA MAKE/MODEL: THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND ELECOTECNICAL ANALYSIS.



ANTENNA LAYOUT

- 1. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND ELECOTECNICAL ANALYSIS.
- 2. NO DISTINGUISHING STALLS ARE BEING ADDED OR REMOVED FROM THE PROPOSED INSTALLATION.



EQUIPMENT LAYOUT





2765 MITCHELL DRIVE, BLDG. 9
WALNUT CREEK, CA 94598



REV	DATE	DESCRIPTION
11	05/28/2020	JURISDICTION COMMENTS
10	01/21/2020	REVISED ADDRESS
9	10/24/2019	CABINET ADDRESS
8	08/28/2019	ADDED PITCHED ROOF
7	07/19/2019	CLOCK TOWER REVISION
6	05/27/2019	CLOCK TOWER REVISION
5	05/09/2019	DIAGON REVISION
4	05/09/2019	100% ZD
3	03/22/2019	WATER TANK DESIGN

ISSUED DATE: MAY 28, 2020

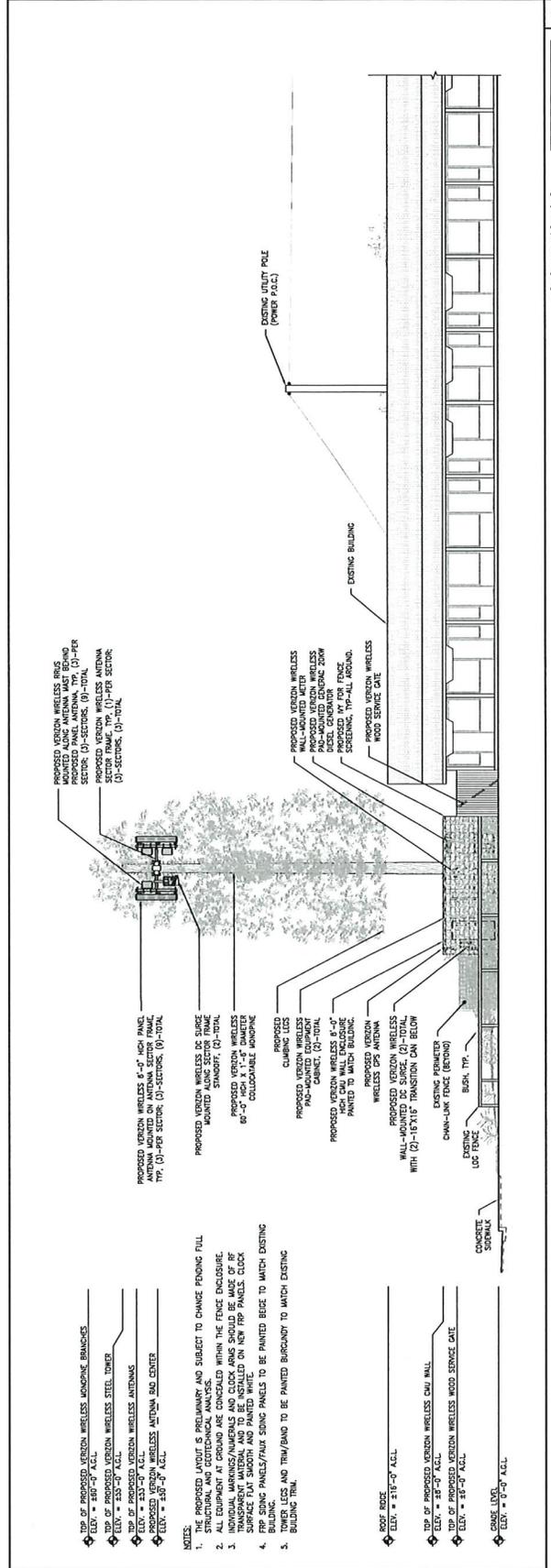
ISSUED FOR: 100% ZD SET

PROJECT INFORMATION:
HEALD COLLEGE SALINAS
LOCATION CODE: 464125
17 NAVAJO DR.,
SALINAS, CA 93906

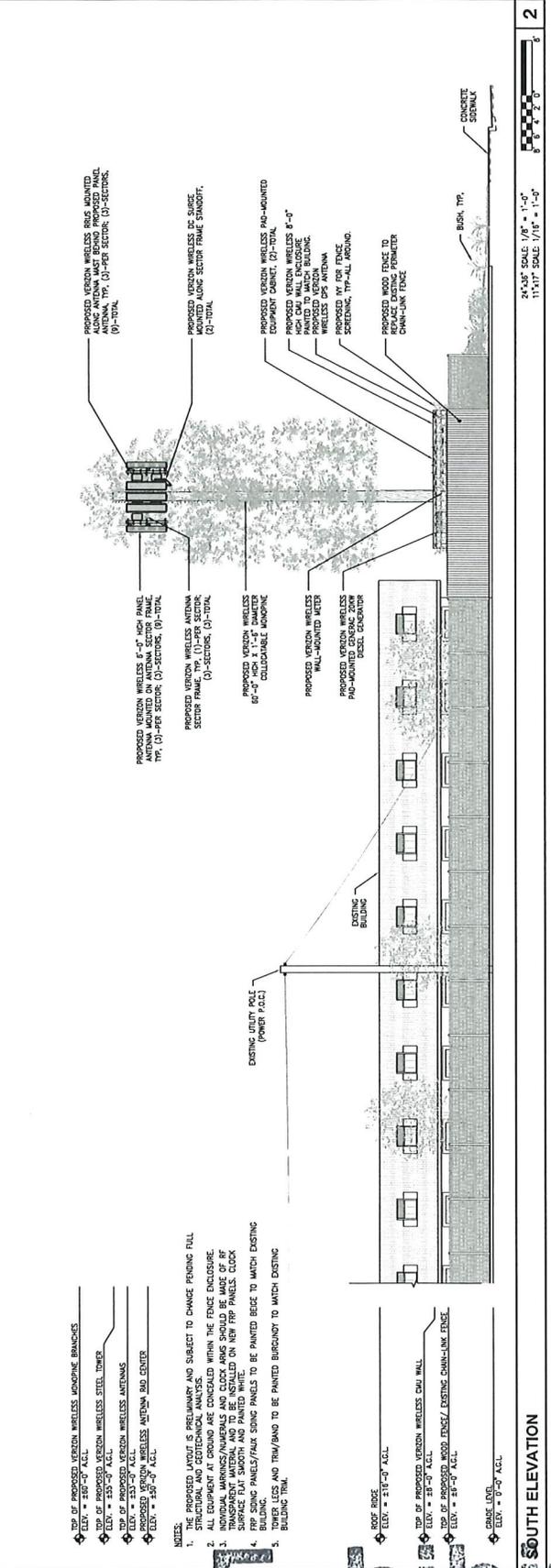
DRAWN BY:
CHECKED BY:
RISC

SHEET TITLE: ARCHITECTURAL ELEVATIONS

SHEET NUMBER: A-4



NORTH ELEVATION
24'-0" SCALE 1/8" = 1'-0"
11'-0" SCALE 1/16" = 1'-0"



SOUTH ELEVATION
24'-0" SCALE 1/8" = 1'-0"
11'-0" SCALE 1/16" = 1'-0"





HEALD COLLEGE SALINAS

3 NAVAJO DRIVE SALINAS CA 93906



ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.



HEALD COLLEGE SALINAS

3 NAVAJO DRIVE SALINAS CA 93906



LOOKING SOUTHEAST FROM NAVAJO DRIVE

ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

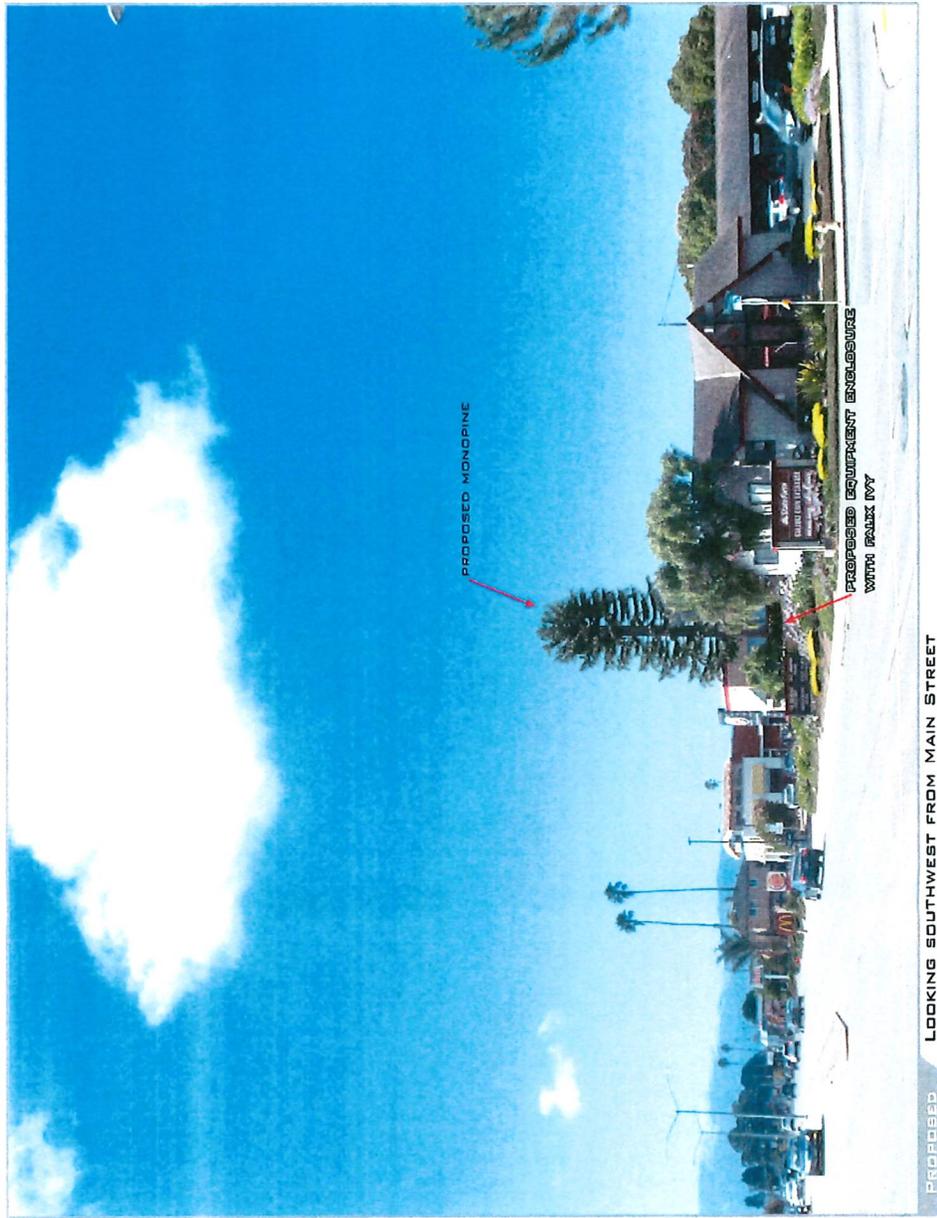
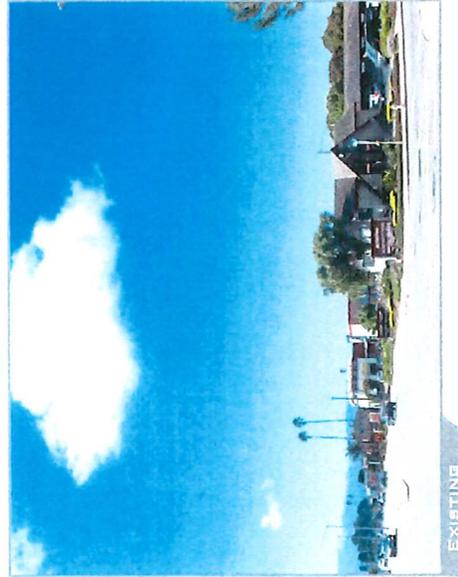
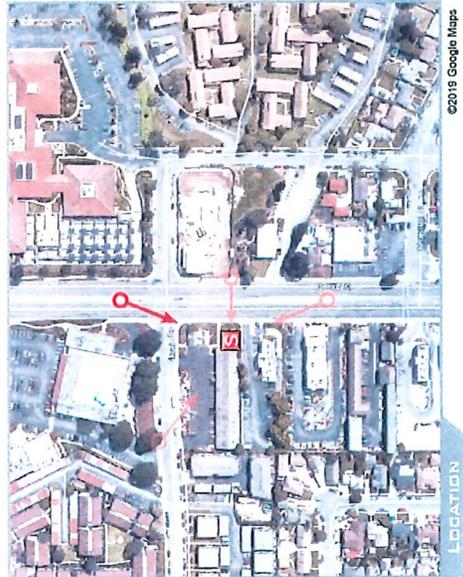
Exhibit

J.2



HEALD COLLEGE SALINAS

3 NAVAJO DRIVE SALINAS CA 93906





HEALD COLLEGE SALINAS

3 NAVAJO DRIVE SALINAS CA 93906



LOOKING WEST ACROSS MAIN STREET

ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

**SEQUOIA DEPLOYMENT SERVICES, REPRESENTING VERIZON
 “HEALD COLLEGE SALINAS MAJOR TELECOMMUNICATION FACILITY”
 MITIGATION MONITORING AND REPORTING PROGRAM
 17 NAVAJO DRIVE
 (CUP 2020-002)**

Mitigation Number	Nature of Mitigation	Result after Mitigation	Party Responsible for Implementing	Party Responsible for Monitoring: Method to Confirm Implementation	Timing for Implementation
CU-1 and TCR-1 Cultural Resources and Tribal Cultural Resources	In the event that cultural materials are encountered during grading/construction, all work shall cease until the find has been evaluated and mitigation measures put in place for the disposition and protection of any find pursuant to Section 21083.2 of the California Public Resources Code.	To ensure protection of any on-site cultural and/or historical resources	Applicant, or Successor in Interest.	Public Works – Engineering - Community Development Department – Permit Services and Current Planning Divisions	During construction phase.
NOI-1 Noise	The maximum noise level of the generator shall not exceed the maximum allowed Zoning Code performance standards.	To ensure compliance with Zoning Code Performance Standards	Applicant, or Successor in Interest	Community Development Department, Current Planning	Life of the project.

i:\ComDev\Planning Share Space\Conditional Use Permits\2020 CUP\s\CUP 2020-002 - 17 Navajo Dr\Environmental Materials\CUP 2020-002 Mitigation Monitoring and Reporting Program.doc

RADIO FREQUENCY ELECTROMAGNETIC FIELDS EXPOSURE REPORT

Prepared for Verizon

c/o Sequoia Deployment Services, Inc.

Site Name: **Heald College Salinas**
Site Type: **Monopine**

Located at:

17 Navajo Dr
Salinas, CA 93906
Latitude: 36.7053 / Longitude: -121.6534

Report Date: **9/22/2020**
Report By: **Jamie Santos**

Based on FCC Rules and Regulations, Verizon is compliant.

TABLE OF CONTENTS

1.0	EXECUTIVE SUMMARY	3
2.0	SITE DESCRIPTION	4
2.1	Site Map	4
2.2	Antenna Inventory	5
3.0	ANALYSIS	6
3.1	Site Diagram	6
3.2	Emission Predictions	7
4.0	CONCLUSION	10
4.1	Results	10
4.2	Recommendation(s)	10
4.3	Statement of Compliance	10
4.4	Engineer Certification.....	10
	Appendix A: Background.....	11
	Appendix B: Measurement and/or Computer Simulation Methods	12
	Appendix C: Limitations	12
	Appendix D: Verizon's RF Advisory Signs	13

1.0 EXECUTIVE SUMMARY

Dtech Communications, LLC (“Dtech”) has been retained by Sequoia Deployment Services, Inc., contractors to Verizon, to determine whether its wireless communications facility complies with the Federal Communications Commission (“FCC”) Radio Frequency (“RF”) Safety Guidelines. This report contains a computer-simulated analysis of the Electromagnetic Fields (“EMF”) exposure resulting from the facility. The analysis also includes assessment of existing wireless carriers on site, where information is provided. The table below summarizes the results at a glance:

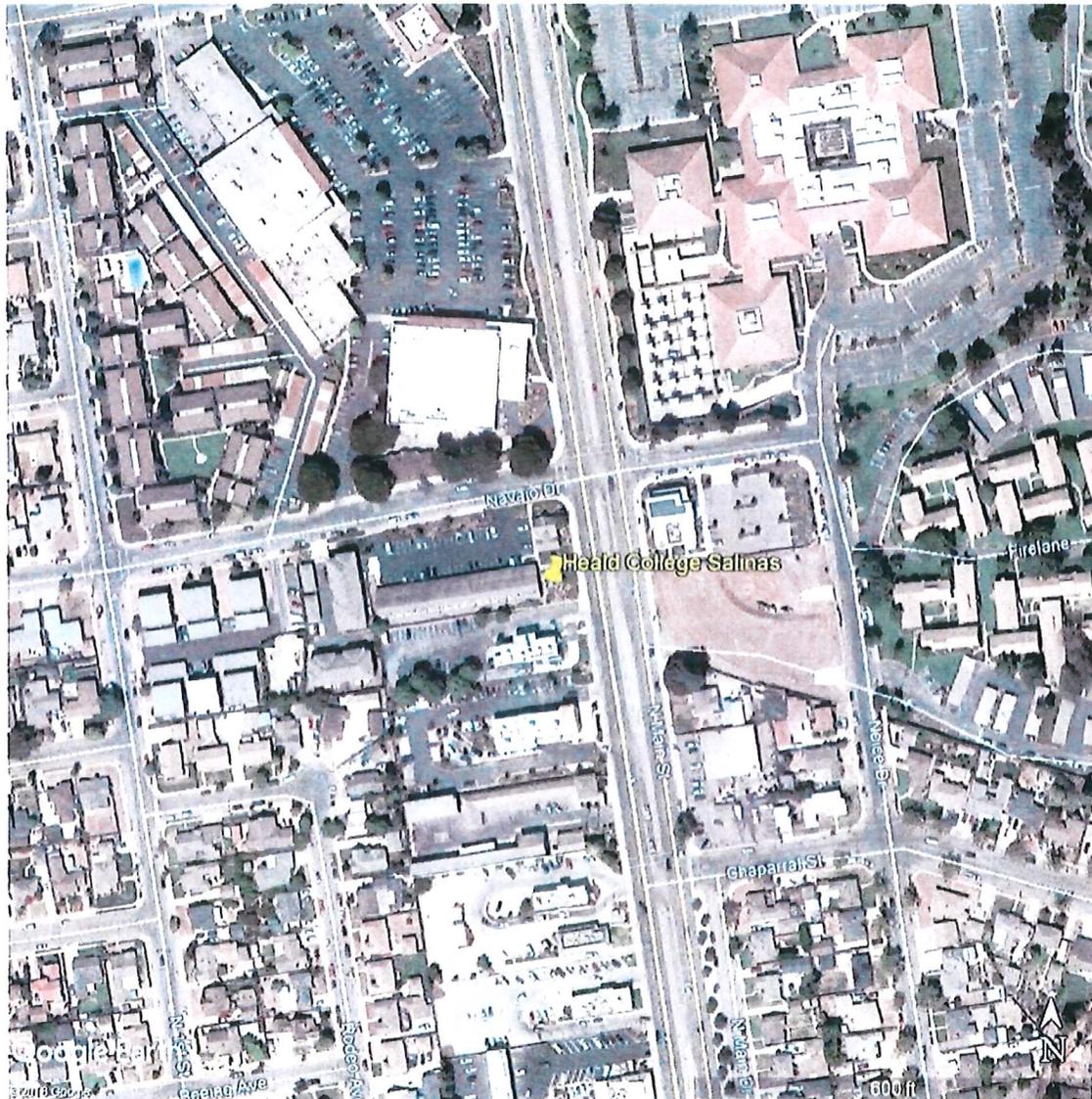
Table 1: EMF Summary

Verizon	Summary
Access Type	Gate
Access to antennas locked	Optional
RF Sign(s) @ access point(s)	NA
RF Sign(s) @ antennas	NA
Barrier(s) @ sectors	NA
Max EMF level for Verizon on Ground	1.1% General Population
Max EMF level for Verizon on Adjacent Roof	3.0% General Population (0.6% Occupational)
Min Clearance Distance from Face of Verizon’s Antennas	36 Feet

2.0 SITE DESCRIPTION

The wireless telecommunication facility is located on the ground. The facility consists of 1 wireless carrier(s) or operator(s): Verizon. The antennas are typically grouped into sectors pointing in different direction to achieve the desired areas of coverage. Verizon's antennas are mounted on a monopine tower and connected to the equipment via cables.

2.1 Site Map



2.2 Antenna Inventory

Technical specifications in the table below are provided by our clients and/or gathered from physical field surveys where applicable and/or possible. Conservative estimates are used where information is not provided or available.

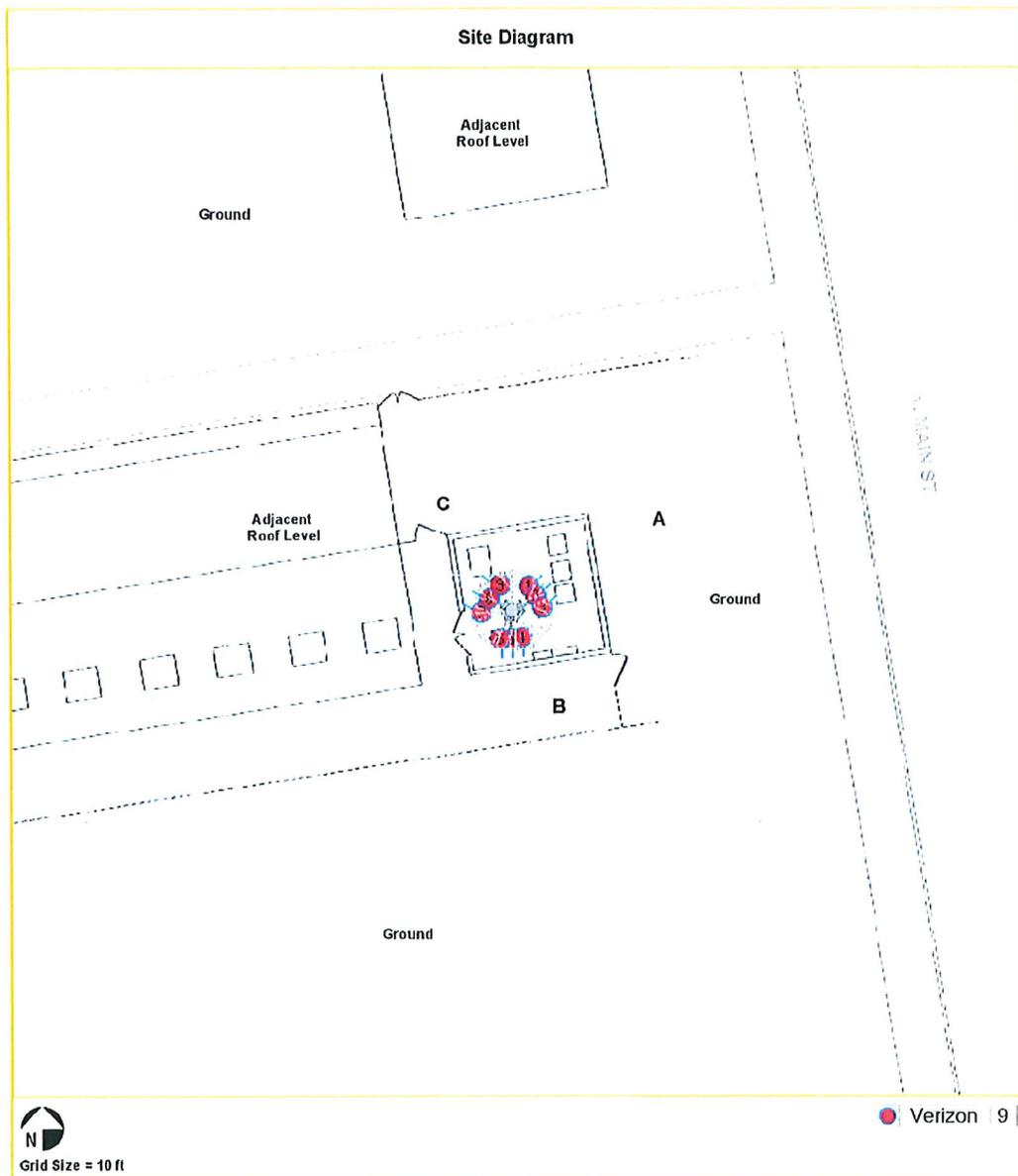
Table 2: Site Technical Specifications

Antenna ID	Operator	Antenna Mfg	Antenna Model	Type	Frequency (MHz)	Orientation (°T)	Horizontal BWidth (°)	Antenna Aperture (ft)	Antenna Gain (dBd)	Total Input Power (Watts)	Total ERP (Watts)	Bottom Tip Height Above Ground (Z) (ft)	Bottom Tip Height Above Adj. Roof (Z) (ft)	Bottom Tip Height At Antenna Level (Z) (ft)
A1	Verizon	JMA	MX06FRO660-02	Panel	746	55	60	5.9	12.5	142	2489	47.0	31.0	0.0
A1	Verizon	JMA	MX06FRO660-02	Panel	880	55	53	5.9	12.4	142	2432	47.0	31.0	0.0
A1	Verizon	JMA	MX06FRO660-02	Panel	2120	55	51	5.9	15.7	142	5202	47.0	31.0	0.0
A2	Verizon	JMA	MX06FRO660-02	Panel	746	55	60	5.9	12.5	142	2489	47.0	31.0	0.0
A2	Verizon	JMA	MX06FRO660-02	Panel	880	55	53	5.9	12.4	142	2432	47.0	31.0	0.0
A2	Verizon	JMA	MX06FRO660-02	Panel	1965	55	55	5.9	16.0	283	11147	47.0	31.0	0.0
A3	Verizon	JMA	MX06FRO660-02	Panel	2120	55	51	5.9	15.7	142	5202	47.0	31.0	0.0
B1	Verizon	JMA	MX06FRO660-02	Panel	746	175	60	5.9	12.5	142	2489	47.0	31.0	0.0
B1	Verizon	JMA	MX06FRO660-02	Panel	880	175	53	5.9	12.4	142	2432	47.0	31.0	0.0
B1	Verizon	JMA	MX06FRO660-02	Panel	2120	175	51	5.9	15.7	142	5202	47.0	31.0	0.0
B2	Verizon	JMA	MX06FRO660-02	Panel	746	175	60	5.9	12.5	142	2489	47.0	31.0	0.0
B2	Verizon	JMA	MX06FRO660-02	Panel	880	175	53	5.9	12.4	142	2432	47.0	31.0	0.0
B2	Verizon	JMA	MX06FRO660-02	Panel	1965	175	55	5.9	16.0	283	11147	47.0	31.0	0.0
B3	Verizon	JMA	MX06FRO660-02	Panel	2120	175	51	5.9	15.7	142	5202	47.0	31.0	0.0
C1	Verizon	JMA	MX06FRO660-02	Panel	746	295	60	5.9	12.5	142	2489	47.0	31.0	0.0
C1	Verizon	JMA	MX06FRO660-02	Panel	880	295	53	5.9	12.4	142	2432	47.0	31.0	0.0
C1	Verizon	JMA	MX06FRO660-02	Panel	2120	295	51	5.9	15.7	142	5202	47.0	31.0	0.0
C2	Verizon	JMA	MX06FRO660-02	Panel	746	295	60	5.9	12.5	142	2489	47.0	31.0	0.0
C2	Verizon	JMA	MX06FRO660-02	Panel	880	295	53	5.9	12.4	142	2432	47.0	31.0	0.0
C2	Verizon	JMA	MX06FRO660-02	Panel	1965	295	55	5.9	16.0	283	11147	47.0	31.0	0.0
C3	Verizon	JMA	MX06FRO660-02	Panel	2120	295	51	5.9	15.7	142	5202	47.0	31.0	0.0

3.0 ANALYSIS

3.1 Site Diagram

Figure 1: Site Diagram - Plan (bird's eye) view



3.2 Emission Predictions

Figure 2: Plan (bird's eye) view map of results compared to FCC's General Population MPE (Maximum Permissible Exposure) Limits. White represents areas where exposure levels are calculated to be at or below 5%; Green- between 5% & 100% (below MPE limits); blue, yellow & red – greater than 100% (exceeds MPE limits). Individuals can safely occupy areas in white and green for indefinite amount of time; whereas areas in blue, yellow & red must be restricted to RF trained personnel who has been made fully aware of potential for exposure, has control and knows how to reduce their exposure with the use of personal protection equipment or has the ability to power down the transmitters.

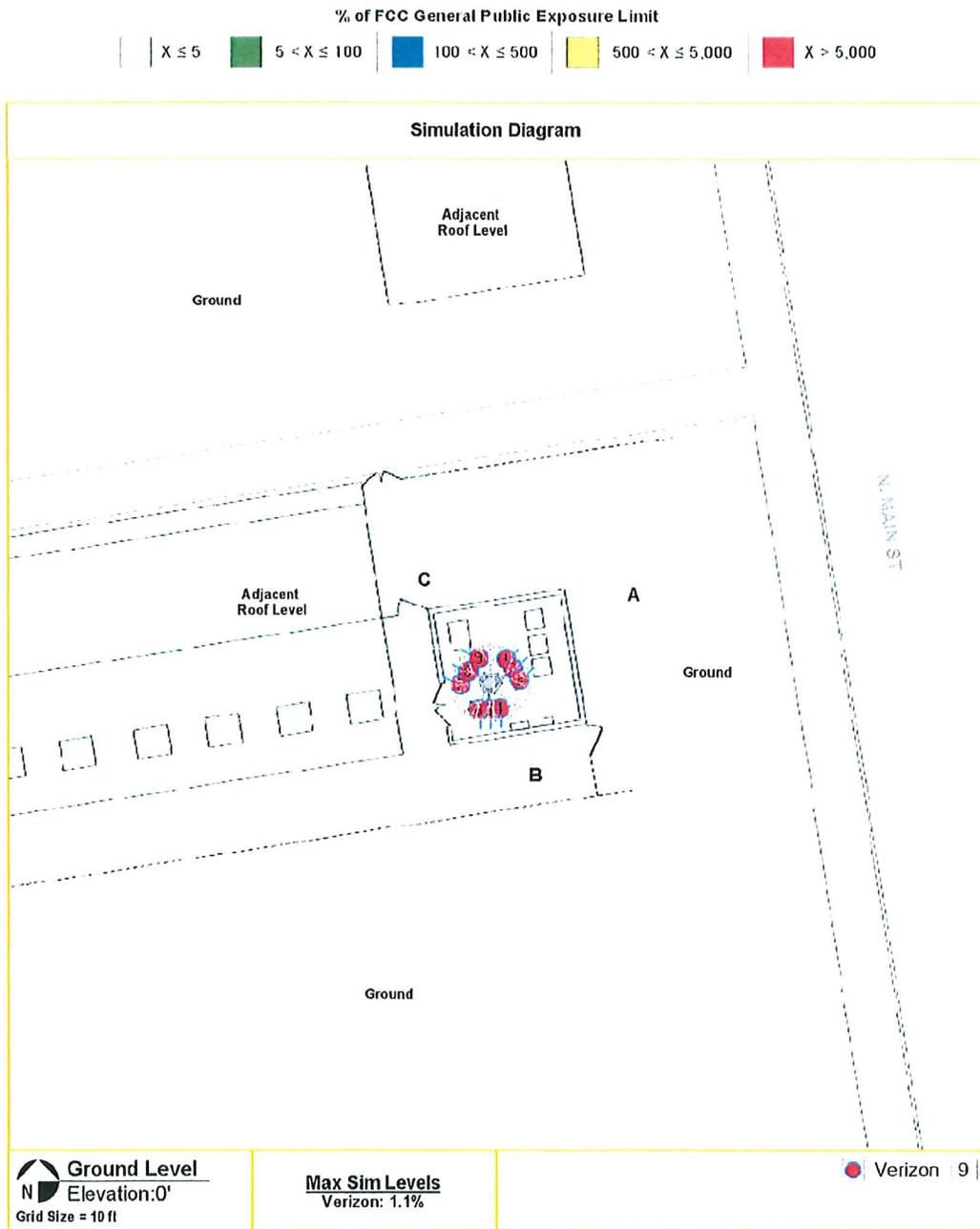


Figure 3: Plan (bird's eye) view map of results compared to FCC's General Population MPE (Maximum Permissible Exposure) Limits. White represents areas where exposure levels are calculated to be at or below 5%; Green- between 5% & 100% (below MPE limits); blue, yellow & red – greater than 100% (exceeds MPE limits). Individuals can safely occupy areas in white and green for indefinite amount of time; whereas areas in blue, yellow & red must be restricted to RF trained personnel who has been made fully aware of potential for exposure, has control and knows how to reduce their exposure with the use of personal protection equipment or has the ability to power down the transmitters.

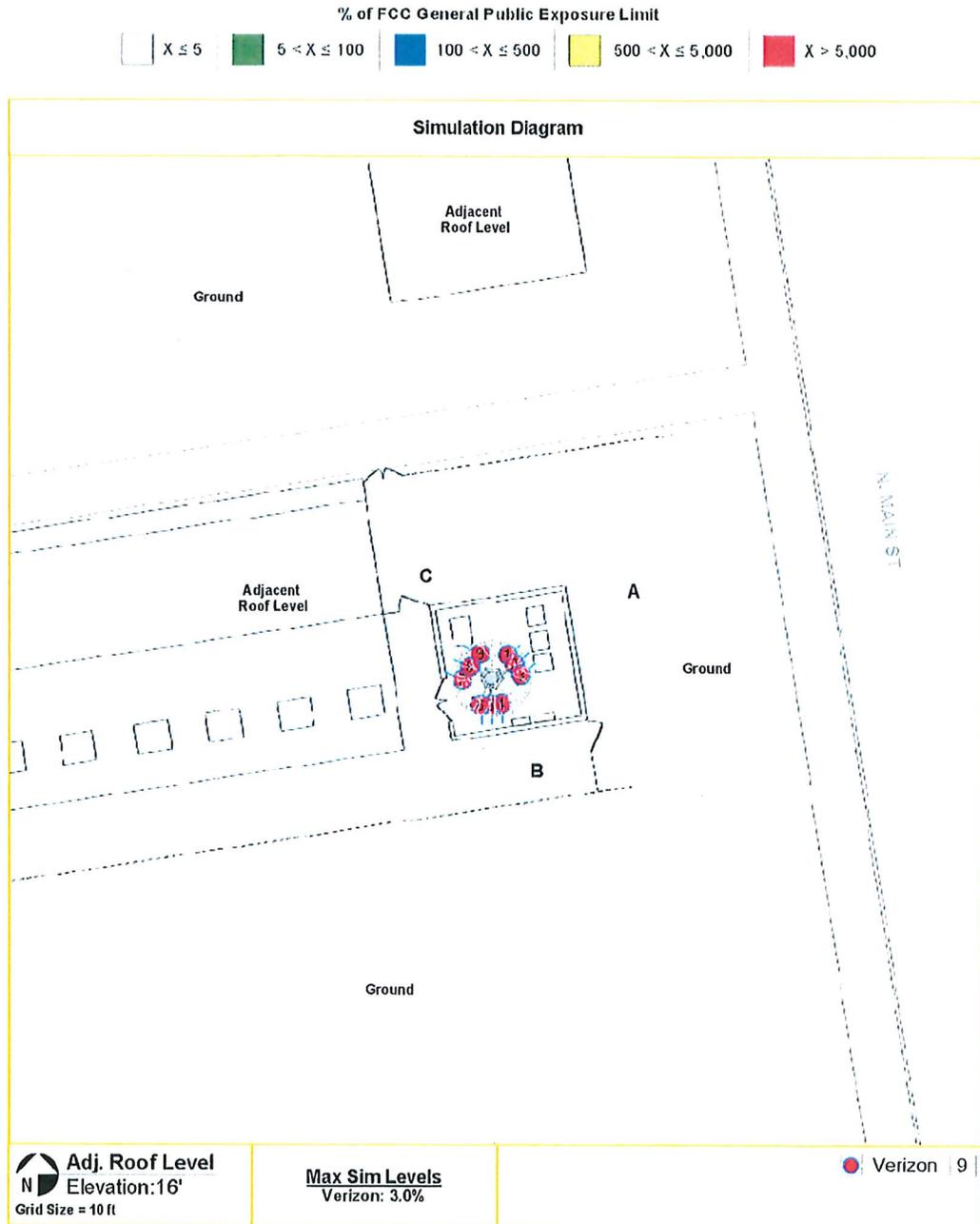
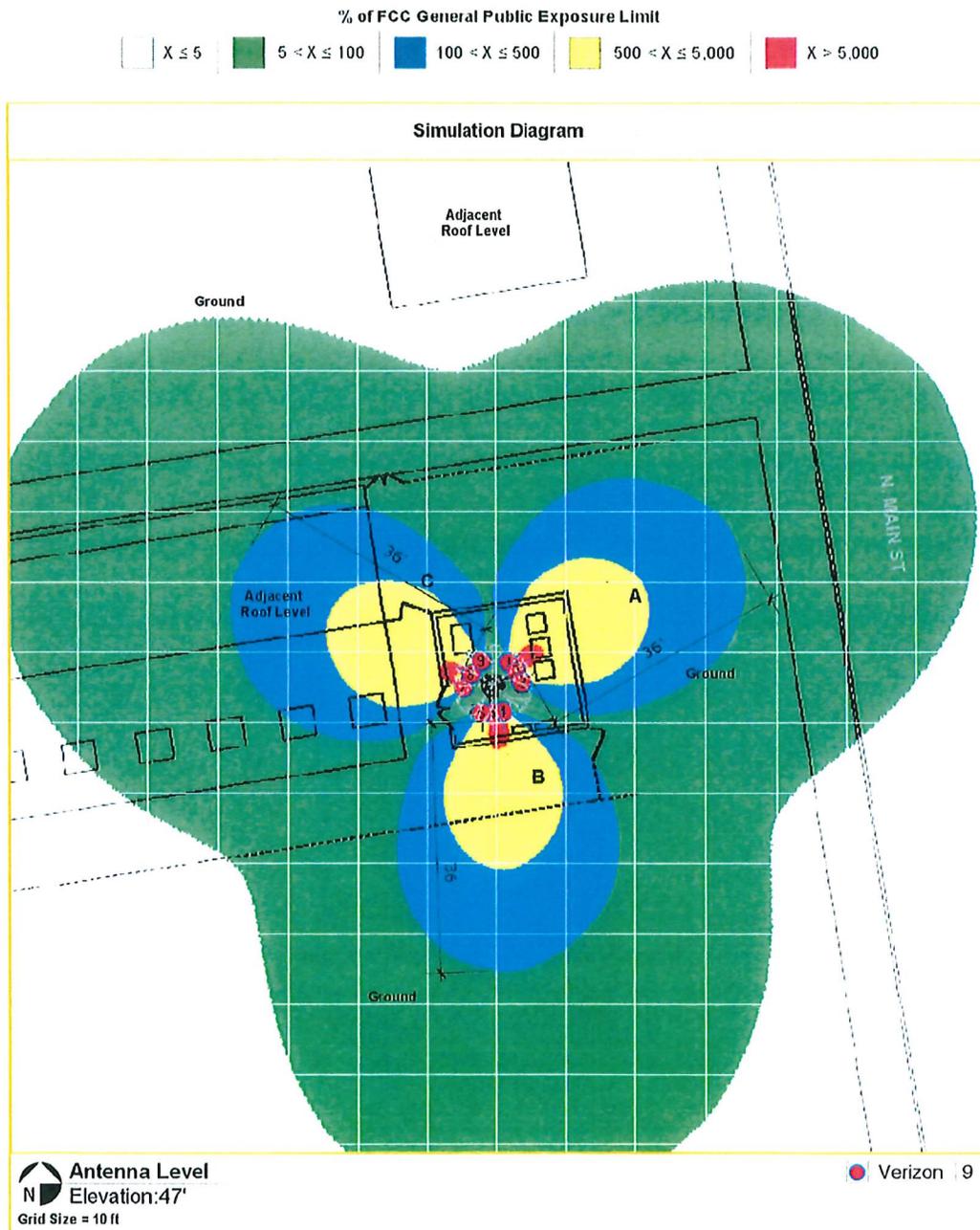


Figure 4: Plan (bird's eye) view map of results compared to FCC's General Population MPE (Maximum Permissible Exposure) Limits. White represents areas where exposure levels are calculated to be at or below 5%; Green- between 5% & 100% (below MPE limits); blue, yellow & red – greater than 100% (exceeds MPE limits). Individuals can safely occupy areas in white and green for indefinite amount of time; whereas areas in blue, yellow & red must be restricted to RF trained personnel who has been made fully aware of potential for exposure, has control and knows how to reduce their exposure with the use of personal protection equipment or has the ability to power down the transmitters.



4.0 CONCLUSION

4.1 Results

For a person standing in accessible areas on the ground and adjacent roof(s), calculations for Verizon's site resulted in exposure levels below the FCC's most stringent General Population MPE Limits (see figure 2 - 3).

At antenna elevation, the highest calculated exposure level is above the FCC's General Population MPE Limits near the Verizon antenna(s) (see figure 4). The overexposed (yellow, blue and red) areas extend 36-feet from the front face of the Verizon antenna(s). From the provided drawings, there are no other buildings or surrounding structures at antenna elevation within 36-feet of the Verizon antenna(s). Beyond 36-feet, exposure levels are predicted to be below the FCC's most stringent General Population MPE Limits.

The antennas are mounted on a tall tower and therefore not accessible by the general public. It is presumed that Verizon employees and contractors are aware of the transmitting antennas and will take appropriate precautions when working near them.

4.2 Recommendation(s)

Further actions are not required.

4.3 Statement of Compliance

Based on the above results, analysis and recommendation(s), it is the undersigned's professional opinion that Verizon's site is compliant with the FCC's RF Safety Guidelines.

4.4 Engineer Certification

This report has been prepared by or under the direction of the following Registered Professional Engineer: Darang Tech, holding California registration number 16000. I have reviewed this report and believe it to be both true and accurate to the best of my knowledge.


Darang Tech, P.E.



Appendix A: Background

Dtech uses the FCC's guidelines described in detail in Office of Engineering & Technology, Bulletin No. 65 ("OET-65") "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields". The table below summarizes the current Maximum Permissible Exposure ("MPE") safety limits classified into two groups: General population and Occupational.

Table 3: FCC MPE Limits (from OET-65)

Frequency (Mhz)	General Population/ Uncontrolled MPE (mW/cm ²)	Averaging Time (minutes)	Occupational/ Controlled MPE (mW/cm ²)	Averaging Time (minutes)
30 - 300	0.2	30	1.0	6
300 - 1500	Frequency (Mhz)/1500 (0.2 – 1.0)	30	Frequency (Mhz)/300 (1.0 – 5.0)	6
1500 - 100,000	1.0	30	5.0	6

General population/uncontrolled limits apply in situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment, and may not be fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public always fall under this category when exposure is not employment-related.

Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment, and those persons have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits, as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

It is important to understand that the FCC guidelines specify *exposure* limits not *emission* limits. For a transmitting facility to be out of compliance with the FCC's RF safety guidelines an area or areas where levels exceed the MPE limits must, first of all, be in some way *accessible* to the public or to workers. When accessibility to an area where excessive levels is appropriately restricted, the facility or operation can certify that it complies with the FCC requirements.

Appendix B: Measurement and/or Computer Simulation Methods

Spatial averaging measurement technique is used. An area between 2 and 6 feet, approximately the size of an average human, is scanned in single passes from top to bottom in multiple planes. When possible, measurements were made at very close proximity to the antennas and inside the main beam where most of the energy is emitted. The spatial averaged values were recorded.

Dtech uses an industry standard power density prediction computer Model¹ to assess the worse-case, cumulative EMF impact of the surrounding areas of the subject site. The Model does not take into account losses due to buildings. Its methodologies are conservative enough to account for typical down-tilts deployed in wireless communications. In addition, the analysis is performed at 100% duty cycle-all transmitters are active at all times and transmitting at maximum power. For purposes of a cumulative study, nearby transmitters are included where possible. The result is a surrounding area map color-coded to percentages of the applicable FCC's MPE Limits. A result higher than 100% exceeds the Limits.

Appendix C: Limitations

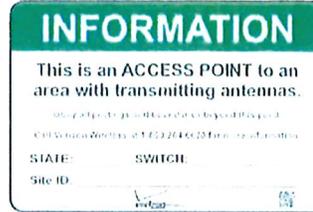
The conclusions in this document rendered by Dtech are based solely upon the information collected during the site survey and/or furnished by our Client which Dtech believes is accurate and correct. Dtech, however, has no responsibility should such Client provided information prove to be inaccurate or incorrect. Third party specification estimates used for cumulative computer simulation purposes, where applicable, are based on common industry practices and our best interpretation of available information. Data, results and conclusions in this document are valid as of its date. However, as mobile technologies continuously change, these data, results and conclusions may also be at variance with such future changes. Dtech has no responsibility to update its survey or report to account for such future technology changes. This document was prepared for the use of our Client only and cannot be utilized by any third party for any purpose without Dtech's written consent. Dtech shall have no liability for any unauthorized use of this document and any such unauthorized user shall defend, indemnify and hold Dtech and its owners, directors, officers and employees harmless from and against any liability, claim, demand, loss or expense (including reasonable attorney's fees) arising from such unauthorized use.

¹ Roofmaster(tm)

Appendix D: Verizon's RF Advisory Signs



GUIDELINES Sign



NOC INFORMATION Sign



NOTICE Sign



CAUTION Sign



WARNING Sign

**Verizon Wireless • Proposed Base Station (Site No. 464125 "Heald College Salinas")
17 Navajo Drive • Salinas, California**

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of Verizon Wireless, a personal telecommunications carrier, to evaluate the base station (Site No. 464125 "Heald College Salinas") proposed to be located at 17 Navajo Drive in Salinas, California, for compliance with appropriate guidelines limiting sound levels from the installation.

Executive Summary

Verizon proposes to install a new base station at 17 Navajo Drive in Salinas, consisting of equipment cabinets and antennas on a tall pole. Noise levels from the equipment operations will comply with the City's permitted limits.

Prevailing Standards

The City of Salinas sets forth limits on sound levels in its Code of Ordinances; Section 37-50.180 has the following maximum permitted exterior noise levels by zoning district:

<u>Zone of Property Receiving Noise</u>	<u>Maximum Noise Level</u>
Residential/Public/Semipublic Districts	60 dBA
Commercial/Mixed Use Districts	65
Agricultural/Institutional/Parks/Open Space Districts	70

The composite Community Noise Equivalent Level ("CNEL") to be used for this evaluation is an average over 24 hours, with a 5 dBA penalty applied to noise levels during evening hours (7 pm to 10 pm) and a 10 dBA penalty at night (10 pm to 7 am) to reflect typical residential conditions, where noise is more readily heard during evening and nighttime hours. By definition, sound from a continuous noise source will be 6.7 dBA higher when expressed in CNEL.

Figure 1 attached describes the calculation methodology used to determine applicable noise levels for evaluation against the prevailing standard.

General Facility Requirements

Wireless telecommunications facilities ("cell sites") typically consist of two distinct parts: the electronic base transceiver stations ("BTS" or "cabinets") that are connected to traditional wired telephone lines, and the antennas that send wireless signals created by the BTS out to be received by individual subscriber units. The BTS are often located outdoors at ground level and are connected to the antennas by coaxial cables. The BTS typically require environmental units to cool the electronics inside. Such cooling is often integrated into the BTS, although external air conditioning may be installed, especially when the BTS are housed within a larger enclosure.

**Verizon Wireless • Proposed Base Station (Site No. 464125 "Heald College Salinas")
17 Navajo Drive • Salinas, California**

Most cell sites have back-up battery power available, to run the base station for some number of hours in the event of a power outage. Many sites have back-up power generators installed, to run the station during an extended power outage.

Site & Facility Description

Based upon information provided by Verizon, including zoning drawings by Cellsite Concepts, dated May 28, 2020, that carrier proposes to install three equipment cabinets within a new concrete block enclosure to be constructed on the east end of the commercial property, located at 17 Navajo Drive in Salinas. For the limited purpose of this study, the three equipment cabinets are assumed to be Charles Industries cabinets with active cooling fans – two Model CUBE-SS4C215XC1 and one Model CUBE-PM639 series. Based on information received after the date of the drawings, no back-up power generator is proposed for this site.

Several directional panel antennas are proposed to be installed on a tall tower at the site; this portion of the base station is passive, generating no noise. The nearest neighboring parcel is a commercial property about 20 feet to the south. The nearest residential parcel is located about 410 feet to the west.

Study Results

The manufacturer reports the following maximum noise levels from its equipment cabinets:

<u>Equipment</u>	<u>Maximum Noise Level</u>	<u>Reference Distance</u>
CUBE-SS4C215XC1	67.3 dBA*	5 feet
CUBE-PM639	65.0 dBA	5 feet

The maximum calculated noise level at the commercial property to the south, for the combined operation of all fans in all three cabinets and taking into account estimated attenuation from the concrete enclosure, is 63.1 dBA CNEL, meeting the City's applicable limit of 65 dBA CNEL. At the residential property, the maximum calculated noise level is 36.8 dBA CNEL, meeting the City's applicable limit of 60 dBA CNEL.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that the operation of the Verizon Wireless base station proposed to be located at 17 Navajo Drive in Salinas, California, will comply with that City's requirements for limiting acoustic noise emission levels.

* Based on noise levels for components identified by Charles Industries.

**Verizon Wireless • Proposed Base Station (Site No. 464125 "Heald College Salinas")
17 Navajo Drive • Salinas, California**

Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2021. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

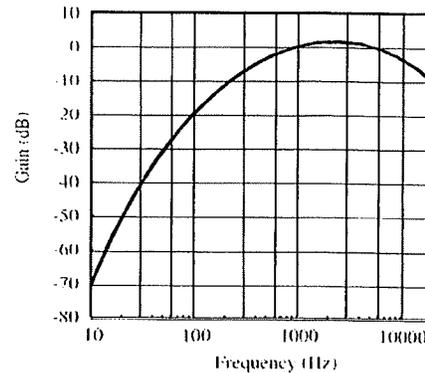
September 15, 2020



William F. Hammett
William F. Hammett, P.E.
707/996-5200

Noise Level Calculation Methodology

Most municipalities and other agencies specify noise limits in units of dBA, which is intended to mimic the reduced receptivity of the human ear to Sound Pressure (“L_p”) at particularly low or high frequencies. This frequency-sensitive filter shape, shown in the graph to the right as defined in the International Electrotechnical Commission Standard No. 179, the American National Standards Institute Standard No. 5.1, and various other standards, is also incorporated into most calibrated field test equipment for measuring noise levels.



30 dBA	library
40 dBA	rural background
50 dBA	office space
60 dBA	conversation
70 dBA	car radio
80 dBA	traffic corner
90 dBA	lawnmower

The dBA units of measure are referenced to a pressure of 20 μPa (micropascals), which is the threshold of normal hearing. Although noise levels vary greatly by location and noise source, representative levels are shown in the box to the left.

Manufacturers of many types of equipment, such as air conditioners, generators, and telecommunications devices, often test their products in various configurations to determine the acoustical emissions at certain distances. This data, normally expressed in dBA at a known reference distance, can be used to determine the corresponding sound pressure level at any particular distance, such as at a nearby building or property line. The sound pressure drops as the square of the increase in distance, according to the formula:

$$L_P = L_K + 20 \log(D_K/D_P),$$

where L_P is the sound pressure level at distance D_P and L_K is the known sound pressure level at distance D_K.

Individual sound pressure levels at a particular point from several different noise sources cannot be combined directly in units of dBA. Rather, the units need to be converted to scalar sound intensity units in order to be added together, then converted back to decibel units, according to the formula:

where L_T is the total sound pressure level and L₁, L₂, etc are individual sound pressure levels.

$$L_T = 10 \log (10^{L_1/10} + 10^{L_2/10} + \dots),$$

Certain equipment installations may include the placement of barriers and/or absorptive materials to reduce transmission of noise beyond the site. Noise Reduction Coefficients (“NRC”) are published for many different materials, expressed as unitless power factors, with 0 being perfect reflection and 1 being perfect absorption. Unpainted concrete block, for instance, can have an NRC as high as 0.35. However, a barrier’s effectiveness depends on its specific configuration, as well as the materials used and their surface treatment.