



# YOLANDA AVE

244 COLGAN AVENUE, SANTA ROSA, CA 95404  
MDG LOCATION ID: 5000169536  
PROJECT ID: 16388316

Issued For:

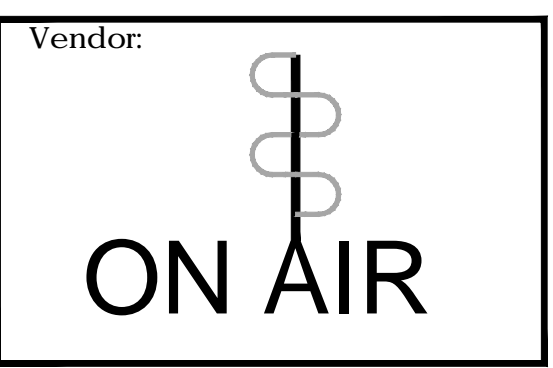
**YOLANDA AVE**

244 COLGAN AVENUE  
SANTA ROSA, CA 95404

PREPARED FOR

**verizon**

2785 MITCHELL DRIVE, BLDG 9  
WALNUT CREEK, CA 94598



MDG LOCATION ID: 5000169536

PROJECT ID: 16388316

DRAWN BY: SEAD

CHECKED BY: J. GRAY

APPROVED BY: -

ISSUE STATUS			
REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:

**PRELIMINARY:  
NOT FOR  
CONSTRUCTION**

KEVIN R. SORENSEN  
S4469

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:

8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
Contact: Kevin Sorenson Phone: 916-660-1930  
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THIS PLAN AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

**TITLE SHEET**

SHEET NUMBER:

**T-1.1**

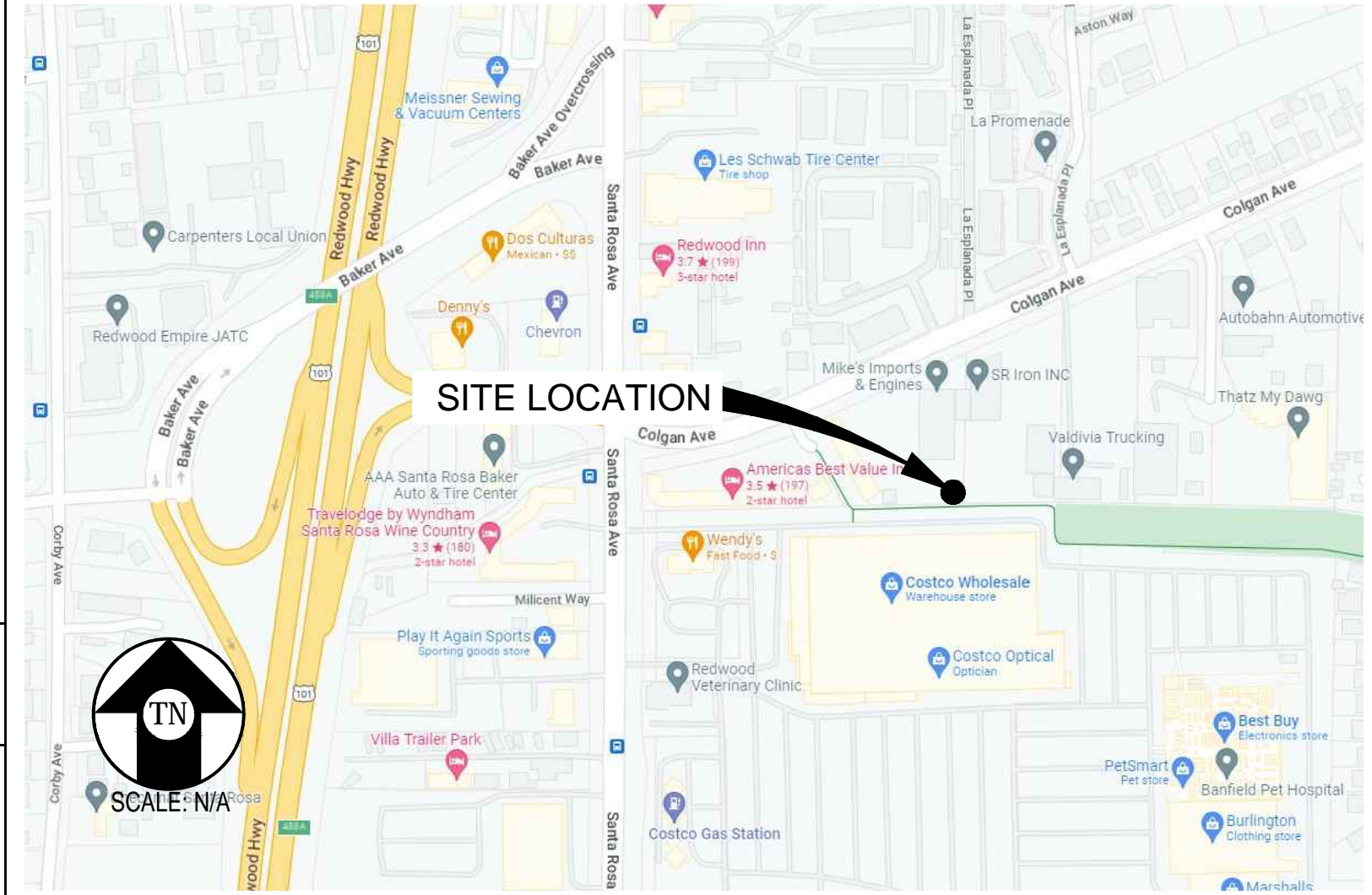
## PROJECT DESCRIPTION

A (N) VERIZON WIRELESS UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF INSTALLING:

- (N) 30'-0" X 30'-0" (900 SQ FT) LEASE AREA
- (N) MONOPINE
- (N) OUTDOOR EQUIPMENT CABINETS
- (N) 30KW DIESEL GENERATOR ON (N) 210 GALLON UL 142 RATED FUEL TANK
- (12) (N) ANTENNAS
- (8) (N) RADIO UNITS @ ANTENNAS
- (6) (N) SURGE SUPPRESSORS, (3) @ EQUIPMENT & (3) @ ANTENNAS
- (6) (N) 6X12 HYBRID CABLES & (N) MW DISH CABLES
- (1) (N) GPS ANTENNA
- (N) UTILITIES TO (N) SITE LOCATION

NOTE: VERIZON WIRELESS TO APPLY FOR A 400AMP ELECTRICAL SERVICE

## VICINITY MAP



**CONDITIONS OF APPROVAL:**

- WHEN THE TREE POLE IS NOT LONGER IN USE, IT SHALL BE REMOVED BY, AND AT EXPENSE OF, THE MOST RECENT OPERATOR.
- THE OPERATOR SHALL CONDUCT AN ANNUAL INSPECTION TO CONFIRM THE CONDITION OF FOLIAGE REMAINS IN GOOD CONDITION. ANY FOLIAGE THAT IS FRAYING SHALL BE REPLACED AS NEEDED TO MAINTAIN THE APPEARANCE OF A HEALTHY TREE.
- PROVIDE A GEOTECHNICAL INVESTIGATION AND SOILS REPORT WITH THE BUILDING PERMIT APPLICATION. THE INVESTIGATION SHALL INCLUDE SUBSURFACE EXPLORATION AND THE REPORT SHALL INCLUDE GRADING, PAVING AND FOUNDATION DESIGN RECOMMENDATIONS.
- OBTAIN BUILDING PERMITS FOR THE PROPOSED PROJECT.

## CODE COMPLIANCE

ALL WORK & MATERIALS SHALL BE PERFORMED & INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.  
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUME 1&2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)  
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)  
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)  
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)  
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.  
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)  
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.  
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. ANSI/EIA-TIA-222-H

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.5

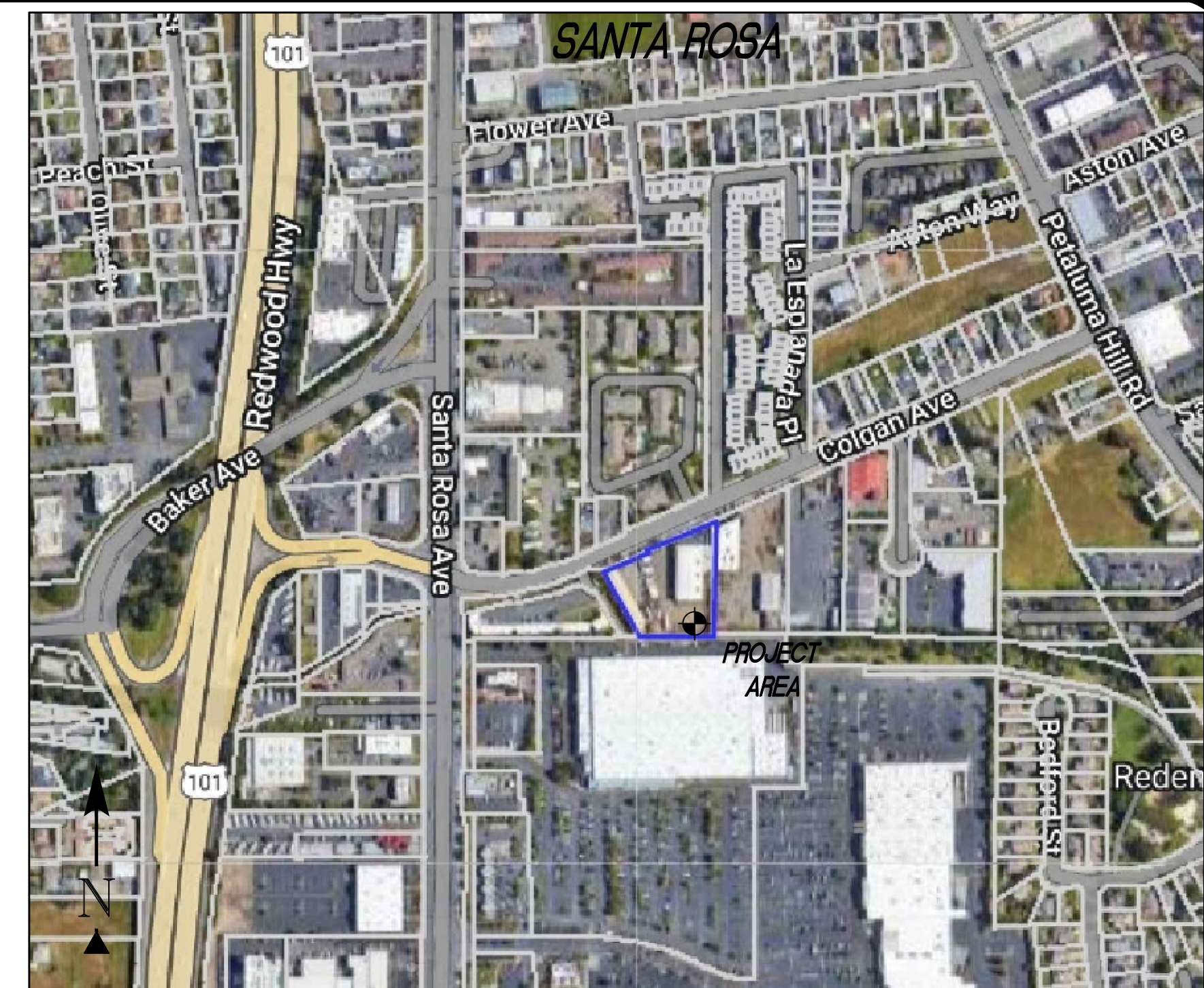
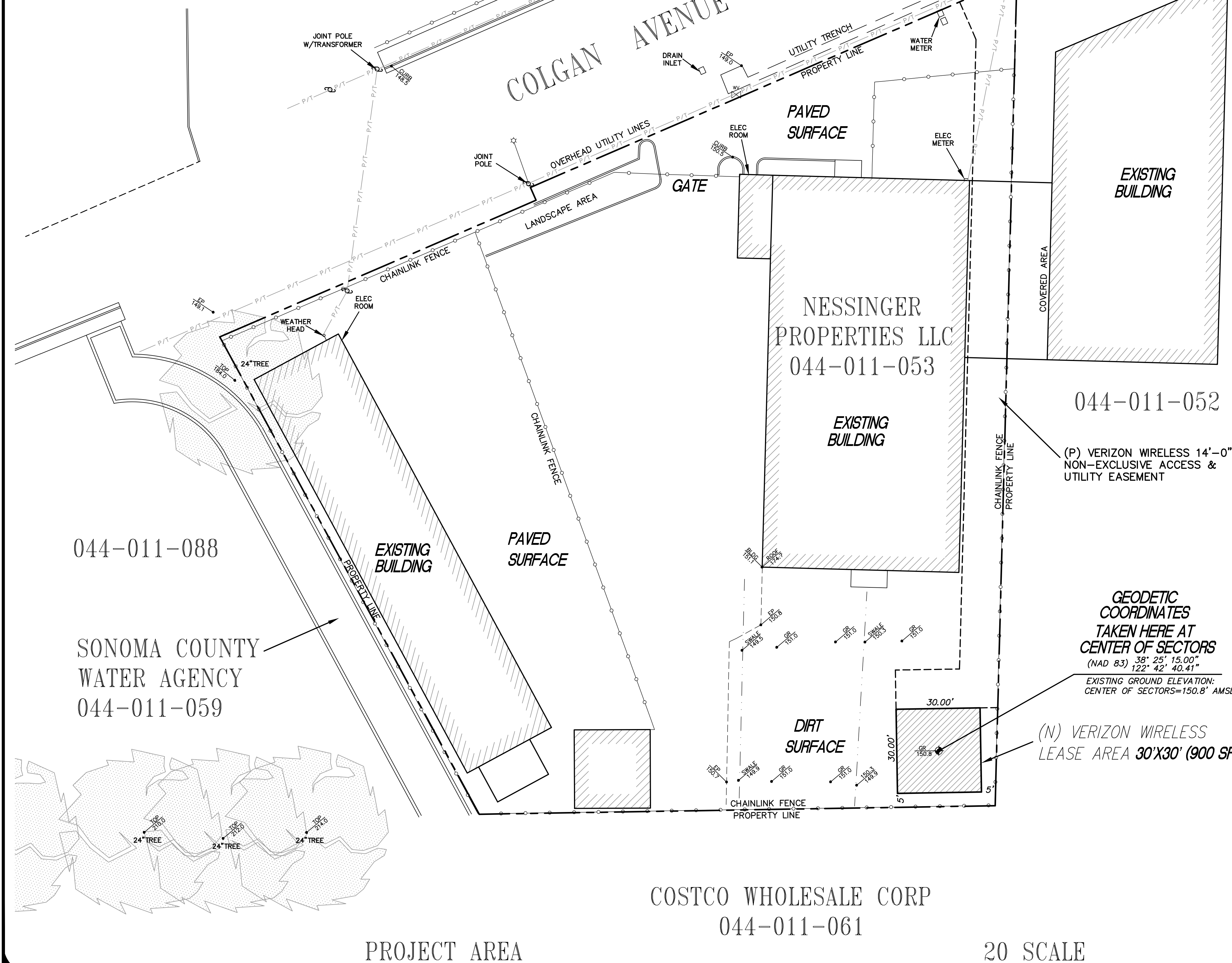
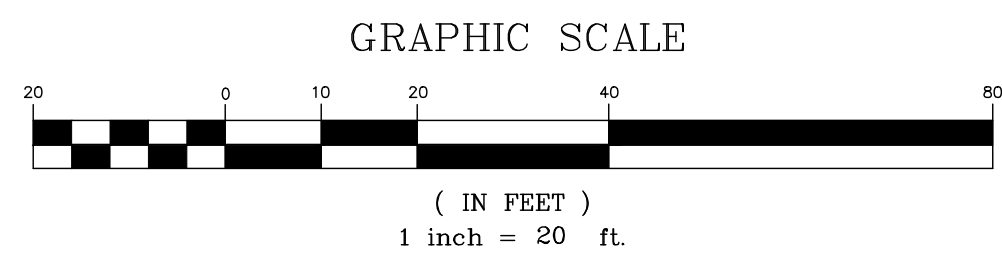
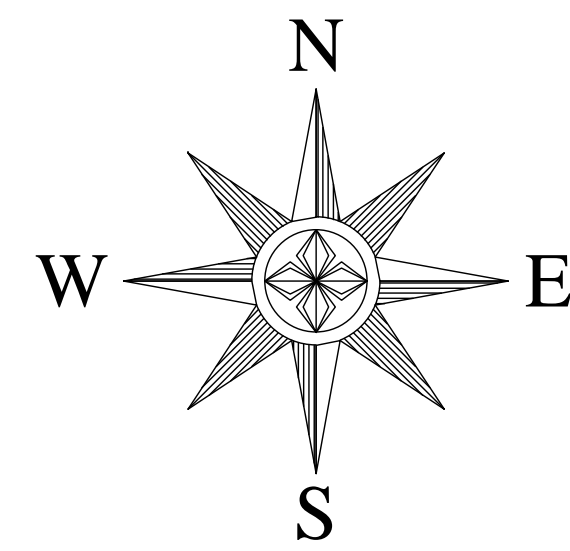
## PROJECT INFORMATION

SITE NAME:	YOLANDA AVE	SITE ACQUISITION COMPANY:	ON AIR LLC 465 FIRST STREET WEST, STE 101 SONOMA, CA 95476
MDG LOCATION ID:	5000169536	LEASING CONTACT:	ATTN: PETER HILLIARD (707) 732-7227 PHILLIARD@ONAIRLLC.COM
SITE ID:	616927972	ZONING CONTACT:	ATTN: PETER HILLIARD (707) 732-7227 PHILLIARD@ONAIRLLC.COM
COUNTY:	SONOMA	CONSTRUCTION CONTACT:	ATTN: SCOTT COWAN (707) 689-4144 SCOWAN@ONAIRLLC.COM
JURISDICTION:	CITY OF SANTA ROSA		
APN:	044-011-053		
SITE ADDRESS:	244 COLGAN AVENUE SANTA ROSA, CA 95404		
CURRENT ZONING:	IL - LIGHT INDUSTRIAL		
CONSTRUCTION TYPE:	V-B		
OCCUPANCY TYPE:	U, (UNMANNED COMMUNICATIONS FACILITY)		
POWER:	PG&E		
PROPERTY OWNER:	NESSINGER PROPERTIES LLC 6307 SHILO RIDGE ROAD SANTA ROSA, CA 95403		
APPLICANT:	VERIZON WIRELESS 2785 MITCHELL DRIVE, BLDG 9 WALNUT CREEK, CA 94598		
LATITUDE:	N 38° 25' 15.00" NAD 83 N 38.420833		
LONGITUDE:	W 122° 42' 40.41" NAD 83 W -122.711225		
GROUND ELEVATION:	150.8' AMSL		

## SHEET INDEX

SHEET	DESCRIPTION	REV
T-1.1	TITLE SHEET	-
C-1	TOPOGRAPHIC SURVEY	-
A-1.1	OVERALL SITE PLAN	-
A-1.2	ENLARGED SITE PLAN	-
A-1.3	EQUIPMENT PLAN	-
A-2.1	ANTENNA PLAN	-
A-3.1	ELEVATIONS	-
A-4.1	ANTENNA DETAILS	-
A-4.2	EQUIPMENT DETAILS	-
E-1.1	ELECTRICAL PLAN	-





VICINITY MAP

**PROPERTY INFORMATION**

OWNER: NESSINGER PROPERTIES LLC  
 ADDRESS: 6307 SHILO RIDGE ROAD  
 SANTA ROSA, CA 95403

SITE: YOLANDA AVE  
 244 COLGAN AVENUE  
 SANTA ROSA, CA 95404

ASSESSOR'S PARCEL NUMBER: 044-011-053  
 EXISTING GROUND ELEVATION: CENTER OF SECTORS=150.8' AMSL

**SURVEYOR'S NOTES**

ALL EASEMENTS CONTAINED IN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED. SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

**SURVEY DATE**

4/04/2023

**UTILITY NOTES**

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT U.S.A. AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

**BASIS OF BEARING**

BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM STATE PLANE COORDINATE ZONE 2, DETERMINED BY GPS OBSERVATIONS.

**BENCHMARK**

ELEVATION ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS, APPLYING GEOID 99 SEPARATIONS, CONSTRAINING TO NGS CONTROL STATION 'LUTZ' ELEVATION=450.0' (NAVD88)

**TITLE REPORT**

TITLE REPORT WAS PROVIDED BY FIRST AMERICAN TITLE INSURANCE COMPANY, ORDER NO: 5026900-6973124, DATED: MARCH 23, 2023.

**LESSOR'S LEGAL DESCRIPTION**

ALL THAT CERTAIN REAL PROPERTY SITUATE IN THE COUNTY OF SONOMA, STATE OF CALIFORNIA, RECORDED: FORM PT OF 44-011-46.

**FLOOD ELEVATION**

THE PROJECT AREA IS IN ZONE AE, AS SHOWN ON FEMA FIRM MAP, SONOMA COUNTY, COMMUNITY PANEL NUMBER: 06097C07373G JULY 19, 2022. BASE FLOOD ELEVATION 150.3' A.M.S.L.

**LEGEND**

- P.O.B. POINT OF BEGINNING
- TFC TOP FACE OF CURB
- R/W RIGHT OF WAY
- EP EDGE OF PAVEMENT
- D/W ACCESS DRIVEWAY
- PS PARKING SPACE
- SW SIDEWALK
- PAR TOP OF PARAPET
- ROOF TOP OF ROOF OVERHANG
- OH
- GEODETIC COORDINATES
- SPOT ELEVATION
- DISH ANTENNA
- WATER CONTROL VALVE
- FIRE HYDRANT
- GUY CONDUCTOR
- FOUND AS NOTED
- POWER POLE
- LIGHT POLE
- ELECTRICAL TRANSFORMER
- AIR CONDITIONING UNIT
- TELEPHONE PEDESTAL
- TELEPHONE VAULT
- TELEPHONE MANHOLE
- GAS VALVE
- GAS METER
- PROPERTY LINE

**PROPERTY INFORMATION**  
 OWNER: NESSINGER PROPERTIES LLC  
 ADDRESS: 6307 SHILO RIDGE ROAD  
 SANTA ROSA, CA 95403

SITE: YOLANDA AVE  
 244 COLGAN AVENUE  
 SANTA ROSA, CA 95404

ASSESSOR'S PARCEL NUMBER: 044-011-053  
 EXISTING GROUND ELEVATION: CENTER OF SECTORS=150.8' AMSL

**SURVEYOR'S NOTES**  
 ALL EASEMENTS CONTAINED IN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED. SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

**SURVEY DATE**  
 4/04/2023

**UTILITY NOTES**  
 SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT U.S.A. AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

**BASIS OF BEARING**  
 BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM STATE PLANE COORDINATE ZONE 2, DETERMINED BY GPS OBSERVATIONS.

**BENCHMARK**  
 ELEVATION ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS, APPLYING GEOID 99 SEPARATIONS, CONSTRAINING TO NGS CONTROL STATION 'LUTZ' ELEVATION=450.0' (NAVD88)

**TITLE REPORT**  
 TITLE REPORT WAS PROVIDED BY FIRST AMERICAN TITLE INSURANCE COMPANY, ORDER NO: 5026900-6973124, DATED: MARCH 23, 2023.

**LESSOR'S LEGAL DESCRIPTION**  
 ALL THAT CERTAIN REAL PROPERTY SITUATE IN THE COUNTY OF SONOMA, STATE OF CALIFORNIA, RECORDED: FORM PT OF 44-011-46.

**FLOOD ELEVATION**  
 THE PROJECT AREA IS IN ZONE AE, AS SHOWN ON FEMA FIRM MAP, SONOMA COUNTY, COMMUNITY PANEL NUMBER: 06097C07373G JULY 19, 2022. BASE FLOOD ELEVATION 150.3' A.M.S.L.

- P.O.B. POINT OF BEGINNING
- TFC TOP FACE OF CURB
- R/W RIGHT OF WAY
- EP EDGE OF PAVEMENT
- D/W ACCESS DRIVEWAY
- PS PARKING SPACE
- SW SIDEWALK
- PAR TOP OF PARAPET
- ROOF TOP OF ROOF OVERHANG
- OH
- GEODETIC COORDINATES
- SPOT ELEVATION
- DISH ANTENNA
- WATER CONTROL VALVE
- FIRE HYDRANT
- GUY CONDUCTOR
- FOUND AS NOTED
- POWER POLE
- LIGHT POLE
- ELECTRICAL TRANSFORMER
- AIR CONDITIONING UNIT
- TELEPHONE PEDESTAL
- TELEPHONE VAULT
- TELEPHONE MANHOLE
- GAS VALVE
- GAS METER
- PROPERTY LINE

ISSUE STATUS	DATE	DESCRIPTION	REV.
Δ	4/04/2023	SITE PLAN	
	4/13/2023	AE DESIGN	
	5/12/2023	14' WIDE EASEMENT PER REDLINES	
	6/16/2023	FEMA ZONE ELEV PER REDLINES	
	8/24/2023	REVISED UTIL EASEMENT PER LEGAL REQUEST	
	9/15/2023	REVISED UTIL EASEMENT PER LEGAL REQUEST	
	10/24/2023	REVISED UTIL EASEMENT PER LEGAL REQUEST	

**HAYES**  
 Land Surveying  
 And Mapping  
 2830 MADRIGAN COURT  
 CONCORD, CA 94518



**verizon**

2785 MITCHELL DRIVE  
 WALNUT CREEK, CA 94598  
 OFFICE: 925-279-6000  
 (925) 279-6333

**TOPOGRAPHIC SURVEY**  
**EXISTING CONDITIONS**

5000169536  
 YOLANDA AVE  
 244 COLGAN AVENUE  
 SANTA ROSA, CA 95404

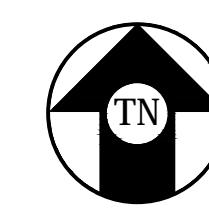
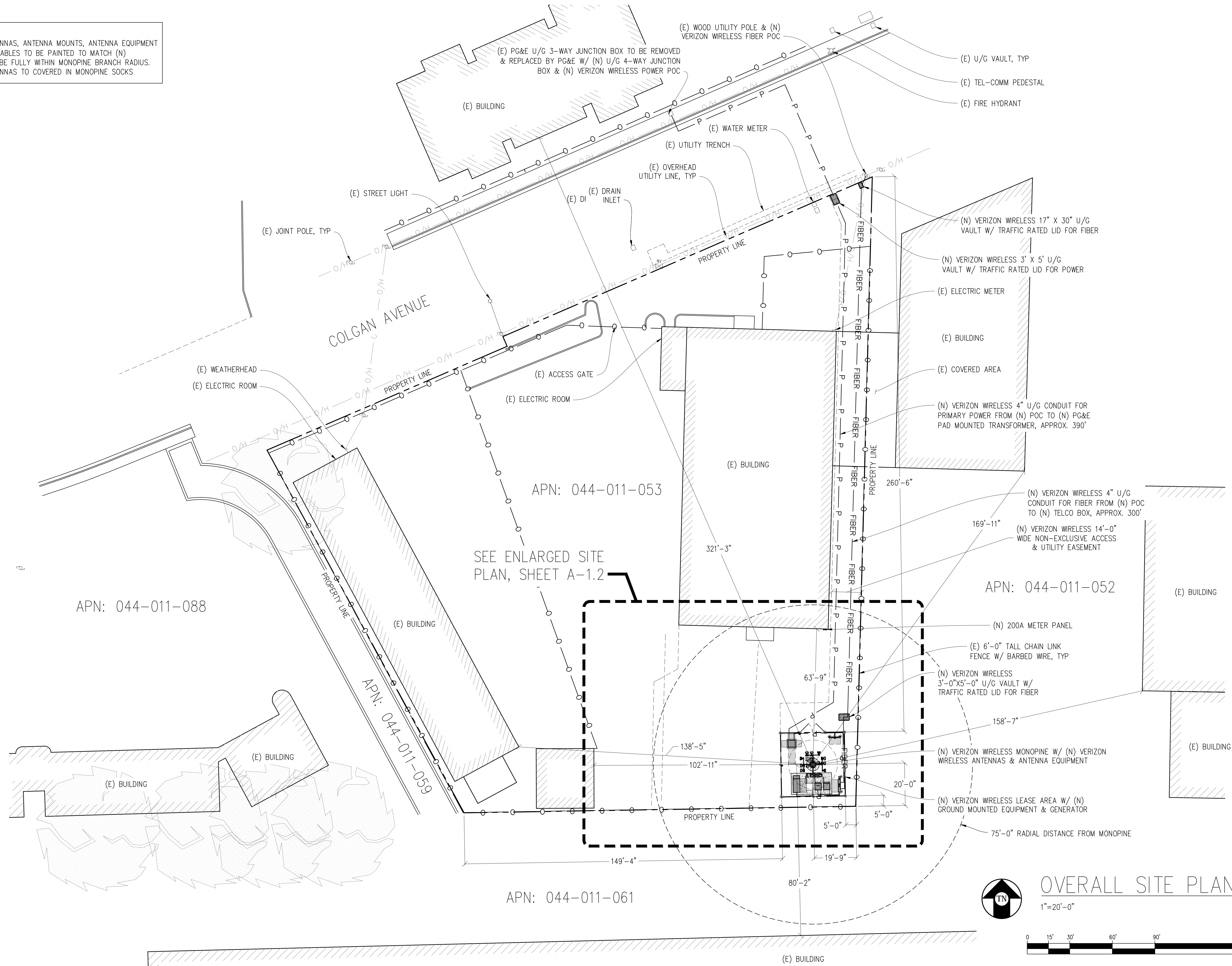
C-1  
 SHEET 1 of 1

COSTCO WHOLESALE CORP  
 044-011-061

20 SCALE



**NOTE:**  
 1. ALL (N) ANTENNAS, ANTENNA MOUNTS, ANTENNA EQUIPMENT & EXPOSED CABLES TO BE PAINTED TO MATCH (N) MONOPINE & BE FULLY WITHIN MONOPINE BRANCH RADIUS.  
 2. ALL (N) ANTENNAS TO COVERED IN MONOPINE SOCKS



**OVERALL SITE PLAN**  
 1"=20'-0"



Issued For:  
**YOLANDA AVE**  
 244 COLGAN AVENUE  
 SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
 2785 MITCHELL DRIVE, BLDG 9  
 WALNUT CREEK, CA 94598

Vendor:  
**ON AIR**

MDG LOCATION ID: 5000169536  
 PROJECT ID: 16388316  
 DRAWN BY: SEAD  
 CHECKED BY: J. GRAY  
 APPROVED BY: -

ISSUE STATUS			
REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:  
**PRELIMINARY:  
 NOT FOR  
 CONSTRUCTION**  
 KEVIN R. SORENSEN  
 S4469

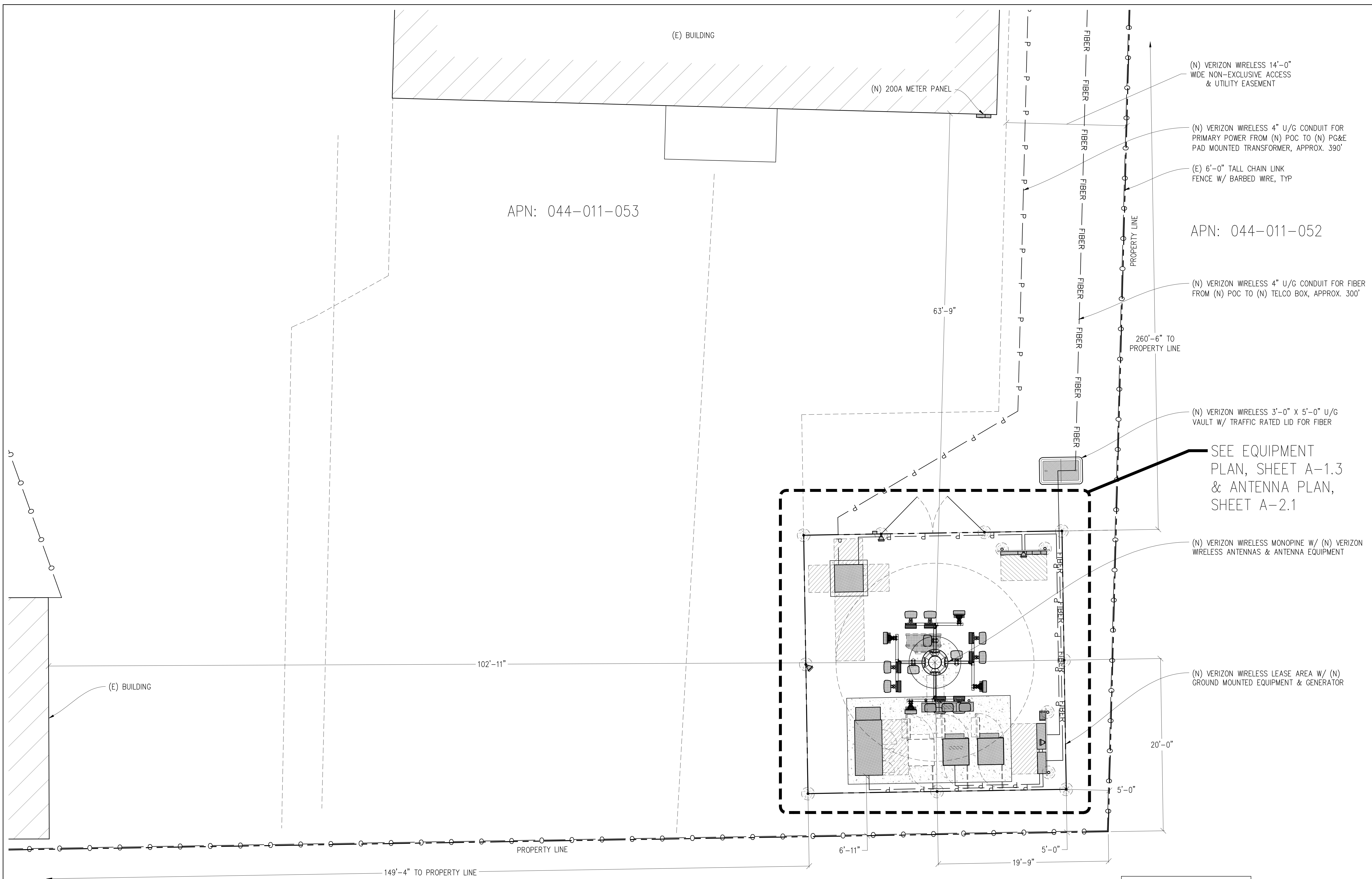
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:  
**Streamline Engineering**  
 8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
 Contact: Kevin Sorenson Phone: 916-660-1930  
 E-Mail: kevin@streamlineeng.com Fax: 916-660-1941  
THESE PLANS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE, AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING. NO PART OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING. ALL RIGHTS RESERVED. Copyright © 2024 STREAMLINE ENGINEERING AND DESIGN INC.

SHEET TITLE:  
**OVERALL  
 SITE PLAN**

SHEET NUMBER:  
**A-1.1**





APN: 044-011-053

APN: 044-011-052

APN: 044-011-061

(N) VERIZON WIRELESS 14'-0" WIDE NON-EXCLUSIVE ACCESS & UTILITY EASEMENT

(N) VERIZON WIRELESS 4" U/G CONDUIT FOR PRIMARY POWER FROM (N) POC TO (N) PG&E PAD MOUNTED TRANSFORMER, APPROX. 390'

(E) 6'-0" TALL CHAIN LINK FENCE W/ BARBED WIRE, TYP

(N) VERIZON WIRELESS 4" U/G CONDUIT FOR FIBER FROM (N) POC TO (N) TELCO BOX, APPROX. 300'

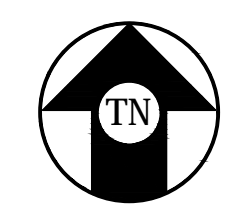
260'-6" TO PROPERTY LINE

(N) VERIZON WIRELESS 3'-0" X 5'-0" U/G VAULT W/ TRAFFIC RATED LID FOR FIBER

SEE EQUIPMENT PLAN, SHEET A-1.3 & ANTENNA PLAN, SHEET A-2.1

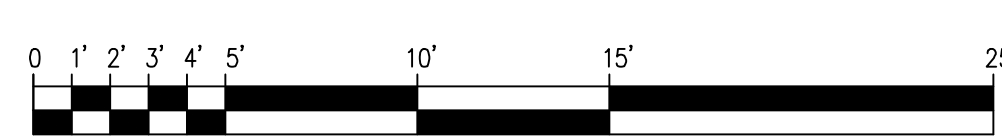
(N) VERIZON WIRELESS MONOPINE W/ (N) VERIZON WIRELESS ANTENNAS & ANTENNA EQUIPMENT

(N) VERIZON WIRELESS LEASE AREA W/ (N) GROUND MOUNTED EQUIPMENT & GENERATOR



ENLARGED SITE PLAN

1"=5'-0"



NOTE: VERIZON WIRELESS TO APPLY FOR A 400AMP ELECTRICAL SERVICE

- NOTE:
1. ALL (N) ANTENNAS, ANTENNA MOUNTS, ANTENNA EQUIPMENT & EXPOSED CABLES TO BE PAINTED TO MATCH (N) MONOPINE & BE FULLY WITHIN MONOPINE BRANCH RADIUS.
  2. ALL (N) ANTENNAS TO COVERED IN MONOPINE SOCKS

Issued For:  
**YOLANDA AVE**  
244 COLGAN AVENUE  
SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
2785 MITCHELL DRIVE, BLDG 9  
WALNUT CREEK, CA 94598

Vendor:  
**ON AIR**

MDG LOCATION ID: 5000169536  
PROJECT ID: 16388316  
DRAWN BY: SEAD  
CHECKED BY: J. GRAY  
APPROVED BY: -

ISSUE STATUS			
REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:  
**PRELIMINARY:  
NOT FOR  
CONSTRUCTION**  
KEVIN R. SORENSEN  
S4469

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:  
**Streamline Engineering**  
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
Contact: Kevin Sorenson Phone: 916-660-1930  
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

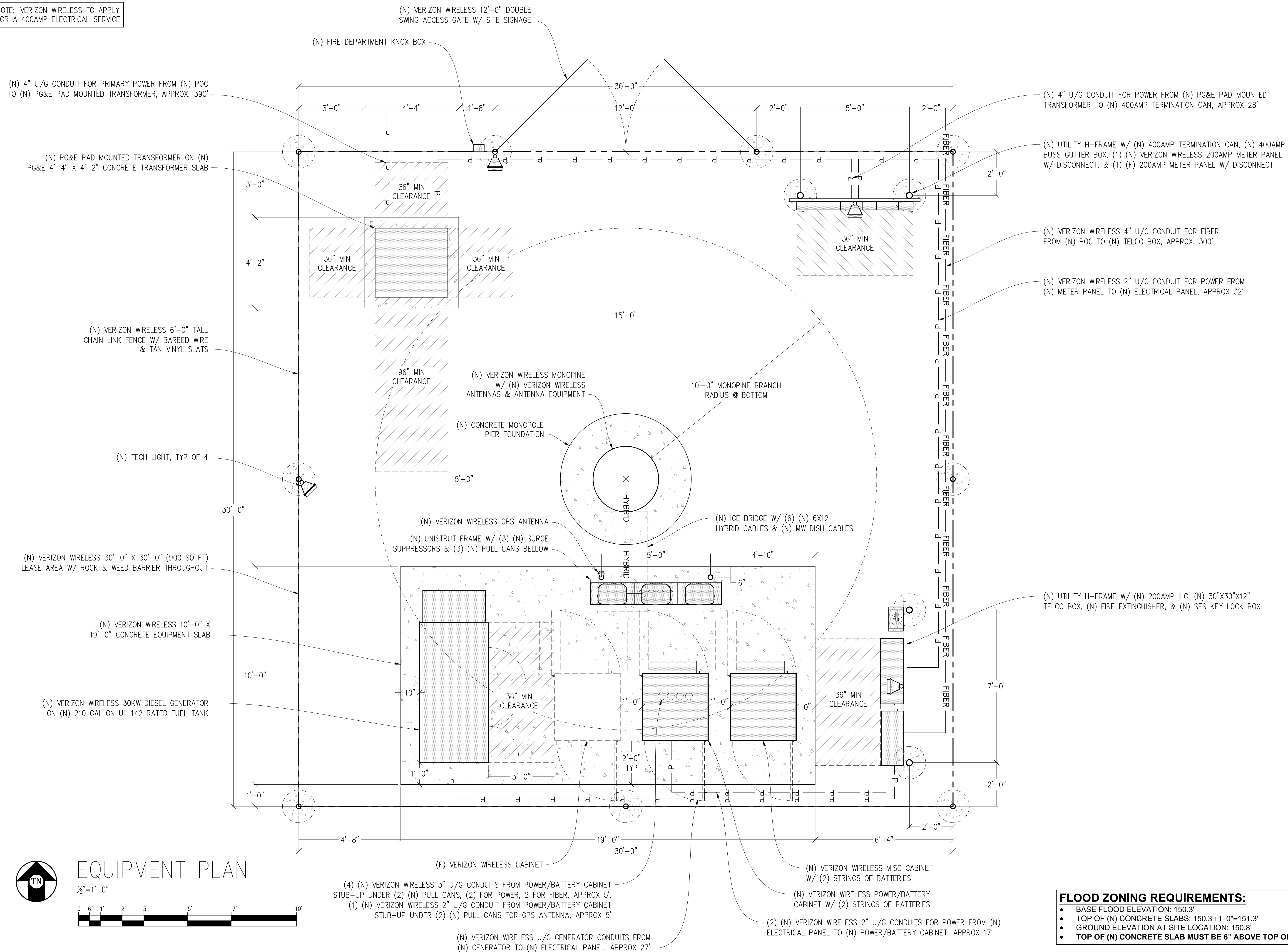
THESE PLANS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING. NO PART OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING. Copyright 2024, STREAMLINE ENGINEERING AND DESIGN, INC. ALL RIGHTS RESERVED.

SHEET TITLE:  
**ENLARGED SITE  
PLAN**

SHEET NUMBER:  
**A-1.2**



NOTE: VERIZON WIRELESS TO APPLY FOR A 400AMP ELECTRICAL SERVICE



**FLOOD ZONING REQUIREMENTS:**

- BASE FLOOD ELEVATION: 150.3'
- TOP OF (N) CONCRETE SLABS: 150.3'+1'-0"=151.3'
- GROUND ELEVATION AT SITE LOCATION: 150.8'
- TOP OF (N) CONCRETE SLAB MUST BE 6" ABOVE TOP OF (E) GRADE

Issued For:  
**YOLANDA AVE**  
244 COLGAN AVENUE  
SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
2785 MITCHELL DRIVE, BLDG 9  
WALNUT CREEK, CA 94598

Vendor:  
**ON AIR**

MDG LOCATION ID: 5000169536  
PROJECT ID: 16388316  
DRAWN BY: SEAD  
CHECKED BY: J. GRAY  
APPROVED BY: -

ISSUE STATUS			
REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:  
**PRELIMINARY:  
NOT FOR  
CONSTRUCTION**  
KEVIN R. SORENSEN  
S4469

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:  
**Streamline Engineering**  
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
Contact: Kevin Sorenson Phone: 916-660-1930  
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941  
THESE PLANS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE, AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING. NO PART OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING. Copyright © 2008 STREAMLINE ENGINEERING AND DESIGN, INC. ALL RIGHTS RESERVED.

SHEET TITLE:  
**EQUIPMENT PLAN**

SHEET NUMBER:  
**A-1.3**

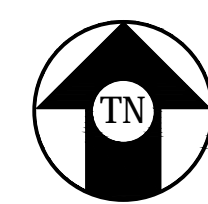
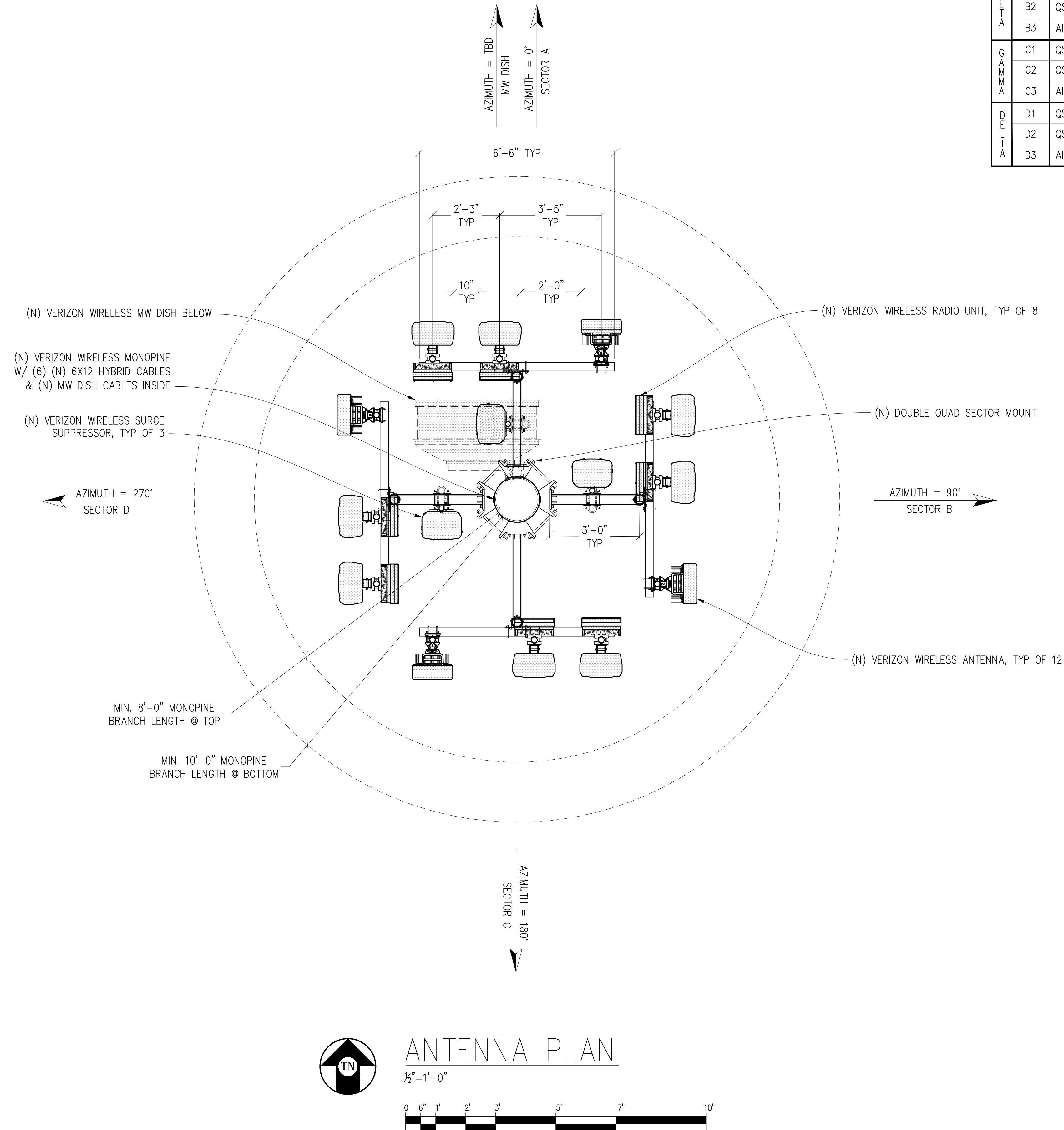


**EQUIPMENT PLAN**



ANTENNA & CABLE SCHEDULE (PRELIMINARY & SUBJECT TO CHANGE)							
SECTOR	ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRU NO'S & MODEL #	# OF HYBRID CABLES	LENGTH OF CABLES	SURGE SUPPRESSOR
ALPHA	A1	0°	±65'-0"	(1) RRU-4490	SHARED	-	SHARED
	A2	0°	±65'-0"	(1) RRU 4890	SHARED	-	SHARED
	A3	0°	±66'-9"	-	(2) 6x12	±80'	(1) 6627
BETA	B1	90°	±65'-0"	(1) RRU-4490	SHARED	-	SHARED
	B2	90°	±65'-0"	(1) RRU 4890	SHARED	-	SHARED
	B3	90°	±66'-9"	-	(2) 6x12	±80'	(1) 6627
GAMMA	C1	180°	±65'-0"	(1) RRU-4490	SHARED	-	SHARED
	C2	180°	±65'-0"	(1) RRU 4890	SHARED	-	SHARED
	C3	180°	±66'-9"	-	SHARED	-	SHARED
DELTA	D1	270°	±65'-0"	(1) RRU-4490	SHARED	-	SHARED
	D2	270°	±65'-0"	(1) RRU 4890	SHARED	-	SHARED
	D3	270°	±66'-9"	-	(2) 6x12	±80'	(1) 6627

NOTE:  
 1. ANTENNA POSITIONS ARE LEFT TO RIGHT FROM BACK OF SECTOR.  
 2. EQUIPMENT IS PRELIMINARY & SUBJECT TO CHANGE.



### ANTENNA PLAN

1/2" = 1'-0"



NOTE:  
 1. ALL (N) ANTENNAS, ANTENNA MOUNTS, ANTENNA EQUIPMENT & EXPOSED CABLES TO BE PAINTED TO MATCH (N) MONOPINE & BE FULLY WITHIN MONOPINE RADIUS.  
 2. ALL (N) ANTENNAS TO COVERED IN MONOPINE SOCKS

Issued For:  
**YOLANDA AVE**  
 244 COLGAN AVENUE  
 SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
 2785 MITCHELL DRIVE, BLDG 9  
 WALNUT CREEK, CA 94598

Vendor:  
**ON AIR**

MDG LOCATION ID: 5000169536  
 PROJECT ID: 16388316  
 DRAWN BY: SEAD  
 CHECKED BY: J. GRAY  
 APPROVED BY: -

ISSUE STATUS			
REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:  
**PRELIMINARY:  
 NOT FOR  
 CONSTRUCTION**  
 KEVIN R. SORENSEN  
 S4469

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:  
**Streamline Engineering**  
 8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
 Contact: Kevin Sorenson Phone: 916-660-1930  
 E-Mail: kevin@streamlineeng.com Fax: 916-660-1941  
THESE PLANS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING. NO PARTS OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING. ALL RIGHTS RESERVED.

SHEET TITLE:  
**ANTENNA PLAN**

SHEET NUMBER:  
**A-2.1**



Issued For:  
**YOLANDA AVE**  
244 COLGAN AVENUE  
SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
2785 MITCHELL DRIVE, BLDG 9  
WALNUT CREEK, CA 94598

Vendor:  
**ON AIR**

MDG LOCATION ID: 5000169536  
PROJECT ID: 16388316  
DRAWN BY: SEAD  
CHECKED BY: J. GRAY  
APPROVED BY: -

ISSUE STATUS				
REV	DATE	DESCRIPTION	CAD	
8	01/04/24	CITY COM	S.D.	
7	09/15/23	CLIENT REV	D.H.	
6	08/25/23	PLAN COM	D.H.	
5	07/12/23	CLIENT REV	D.H.	
4	07/07/23	CLIENT REV	D.H.	
3	06/20/23	CLIENT REV	D.H.	
2	05/12/23	CLIENT REV	D.H.	
1	05/01/23	ZD 100%	A.A.	
0	04/13/23	ZD 90%	XX	

Licensee:  
**PRELIMINARY:  
NOT FOR  
CONSTRUCTION**  
KEVIN R. SORENSEN  
S4469

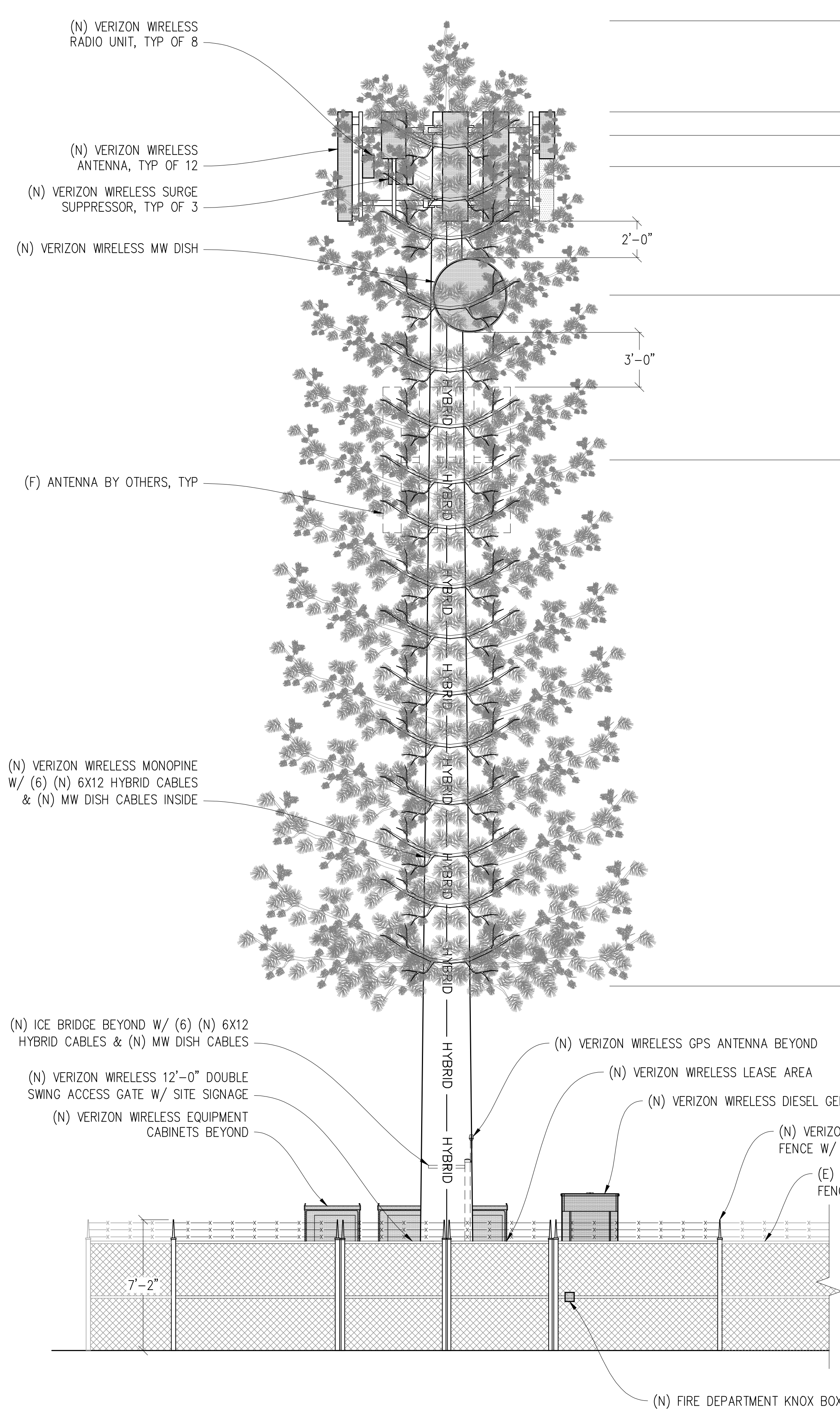
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:  
**Streamline Engineering**  
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
Contact: Kevin Sorenson Phone: 916-660-1930  
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

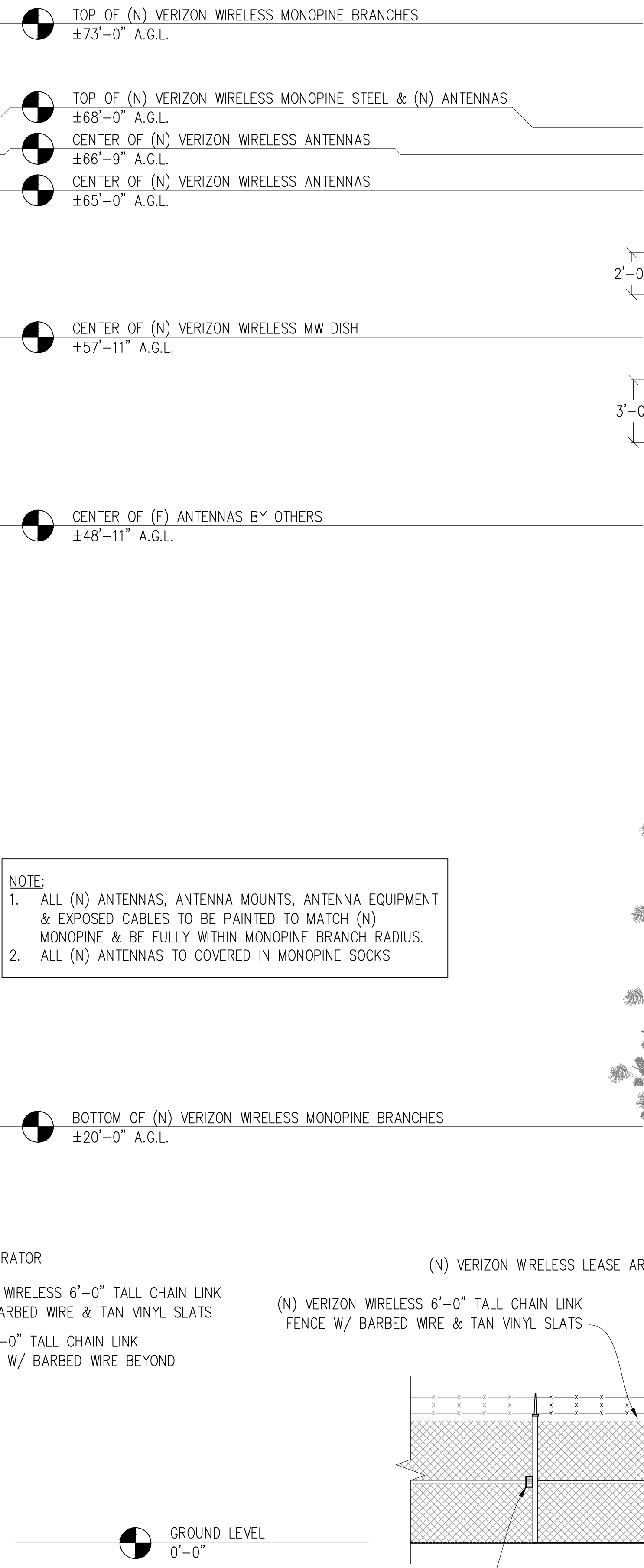
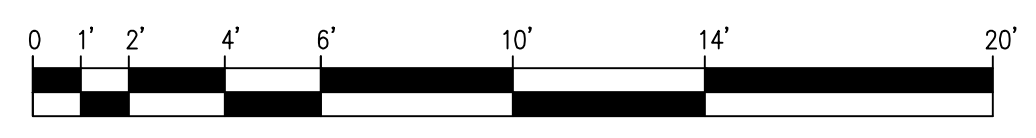
THESE PLANS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING. NO PART OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING. Copyright © 2004 STREAMLINE ENGINEERING AND DESIGN, INC. ALL RIGHTS RESERVED.

SHEET TITLE:  
**ELEVATIONS**

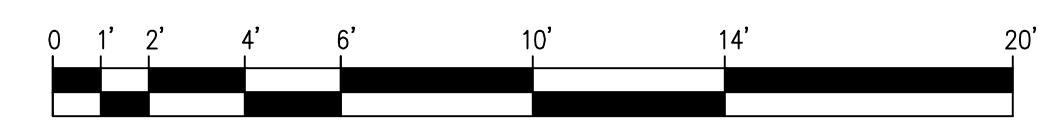
SHEET NUMBER:  
**A-3.1**



**NORTH ELEVATION**  
1/4"=1'-0"



**WEST ELEVATION**  
1/4"=1'-0"



TOP OF (N) VERIZON WIRELESS MONOPINE BRANCHES  
±73'-0" A.G.L.

TOP OF (N) VERIZON WIRELESS MONOPINE STEEL & (N) ANTENNAS  
±68'-0" A.G.L.

CENTER OF (N) VERIZON WIRELESS ANTENNAS  
±66'-9" A.G.L.

CENTER OF (N) VERIZON WIRELESS ANTENNAS  
±65'-0" A.G.L.

CENTER OF (N) VERIZON WIRELESS MW DISH  
±57'-11" A.G.L.

CENTER OF (F) ANTENNAS BY OTHERS  
±48'-11" A.G.L.

GROUND LEVEL  
0'-0"

BOTTOM OF (N) VERIZON WIRELESS MONOPINE BRANCHES  
±20'-0" A.G.L.

**NOTE:**  
1. ALL (N) ANTENNAS, ANTENNA MOUNTS, ANTENNA EQUIPMENT & EXPOSED CABLES TO BE PAINTED TO MATCH (N) MONOPINE & BE FULLY WITHIN MONOPINE BRANCH RADIUS.  
2. ALL (N) ANTENNAS TO COVERED IN MONOPINE SOCKS

(N) VERIZON WIRELESS RADIO UNIT, TYP OF 8

(N) VERIZON WIRELESS ANTENNA, TYP OF 12

(N) VERIZON WIRELESS SURGE SUPPRESSOR, TYP OF 3

(N) VERIZON WIRELESS MW DISH

(F) ANTENNA BY OTHERS, TYP

(N) VERIZON WIRELESS MONOPINE W/ (6) (N) 6X12 HYBRID CABLES & (N) MW DISH CABLES INSIDE

(N) ICE BRIDGE BEYOND W/ (6) (N) 6X12 HYBRID CABLES & (N) MW DISH CABLES

(N) VERIZON WIRELESS 12'-0" DOUBLE SWING ACCESS GATE W/ SITE SIGNAGE

(N) VERIZON WIRELESS EQUIPMENT CABINETS BEYOND

(N) VERIZON WIRELESS GPS ANTENNA BEYOND

(N) VERIZON WIRELESS LEASE AREA

(N) VERIZON WIRELESS DIESEL GENERATOR

(N) VERIZON WIRELESS 6'-0" TALL CHAIN LINK FENCE W/ BARBED WIRE & TAN VINYL SLATS

(E) 6'-0" TALL CHAIN LINK FENCE W/ BARBED WIRE BEYOND

(N) FIRE DEPARTMENT KNOX BOX

(N) VERIZON WIRELESS RADIO UNIT, TYP OF 8

(N) VERIZON WIRELESS ANTENNA, TYP OF 12

(N) VERIZON WIRELESS SURGE SUPPRESSOR, TYP OF 3

(N) VERIZON WIRELESS MW DISH

(F) ANTENNA BY OTHERS, TYP

(N) VERIZON WIRELESS MONOPINE W/ (6) (N) 6X12 HYBRID CABLES & (N) MW DISH CABLES INSIDE

(N) ICE BRIDGE W/ (6) (N) 6X12 HYBRID CABLES & (N) MW DISH CABLES

(N) VERIZON WIRELESS GPS ANTENNA

(N) VERIZON WIRELESS DIESEL GENERATOR

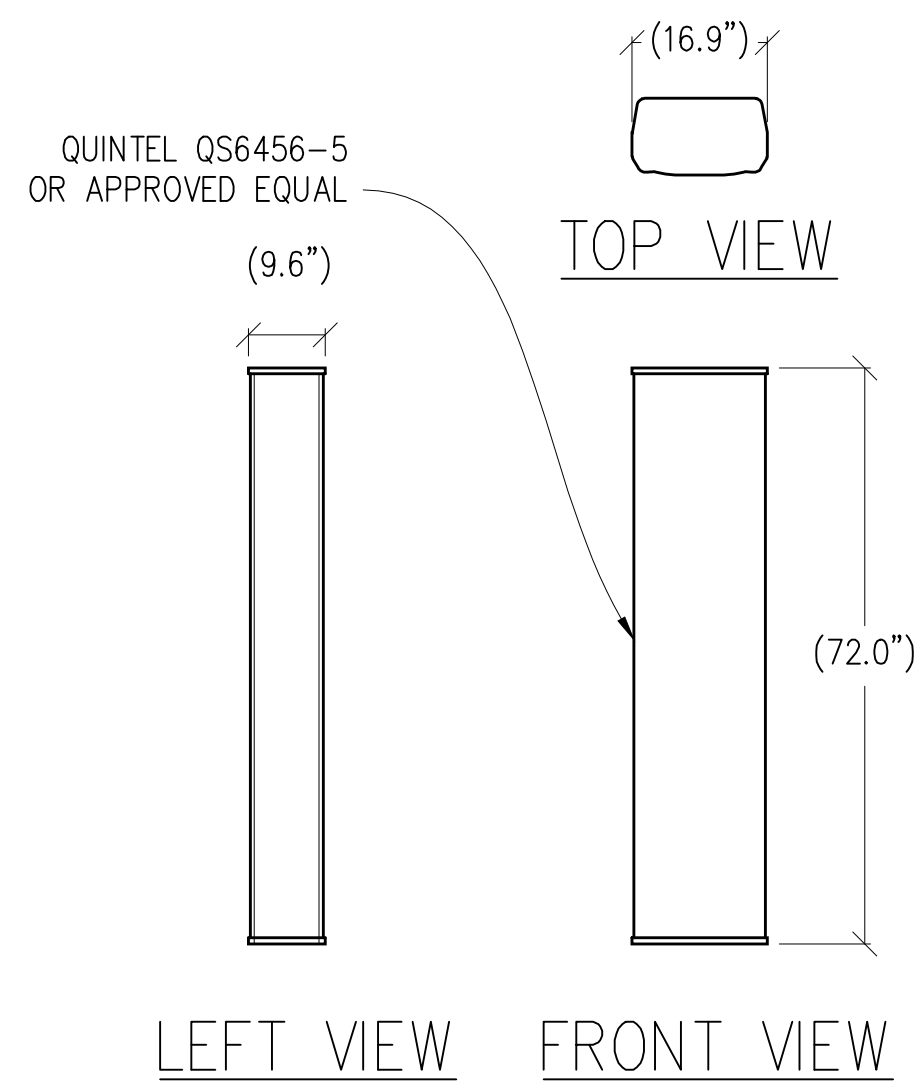
(N) VERIZON WIRELESS LEASE AREA

(N) VERIZON WIRELESS 6'-0" TALL CHAIN LINK FENCE W/ BARBED WIRE & TAN VINYL SLATS

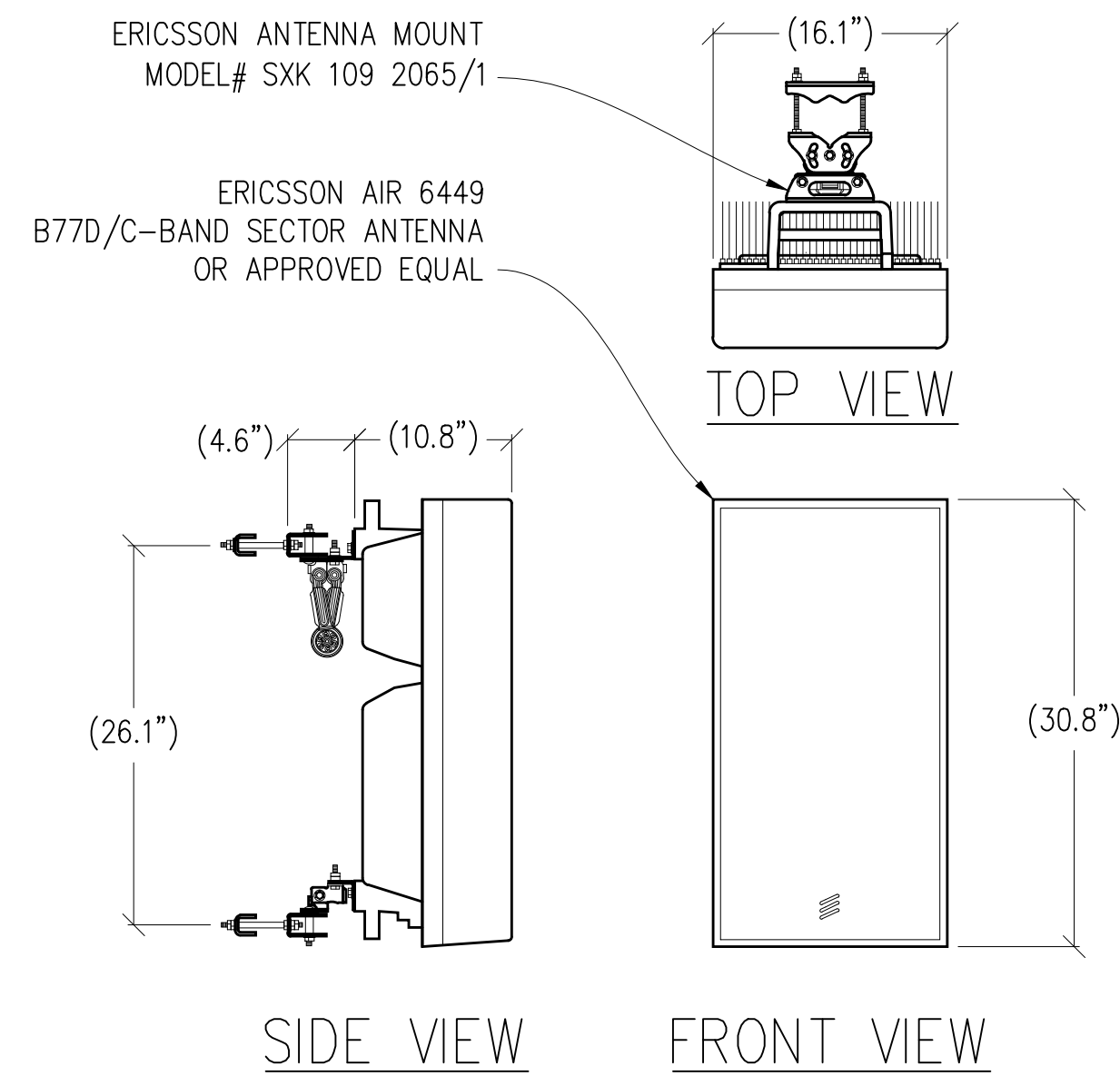
(E) 6'-0" TALL CHAIN LINK FENCE W/ BARBED WIRE BEYOND

(N) FIRE DEPARTMENT KNOX BOX

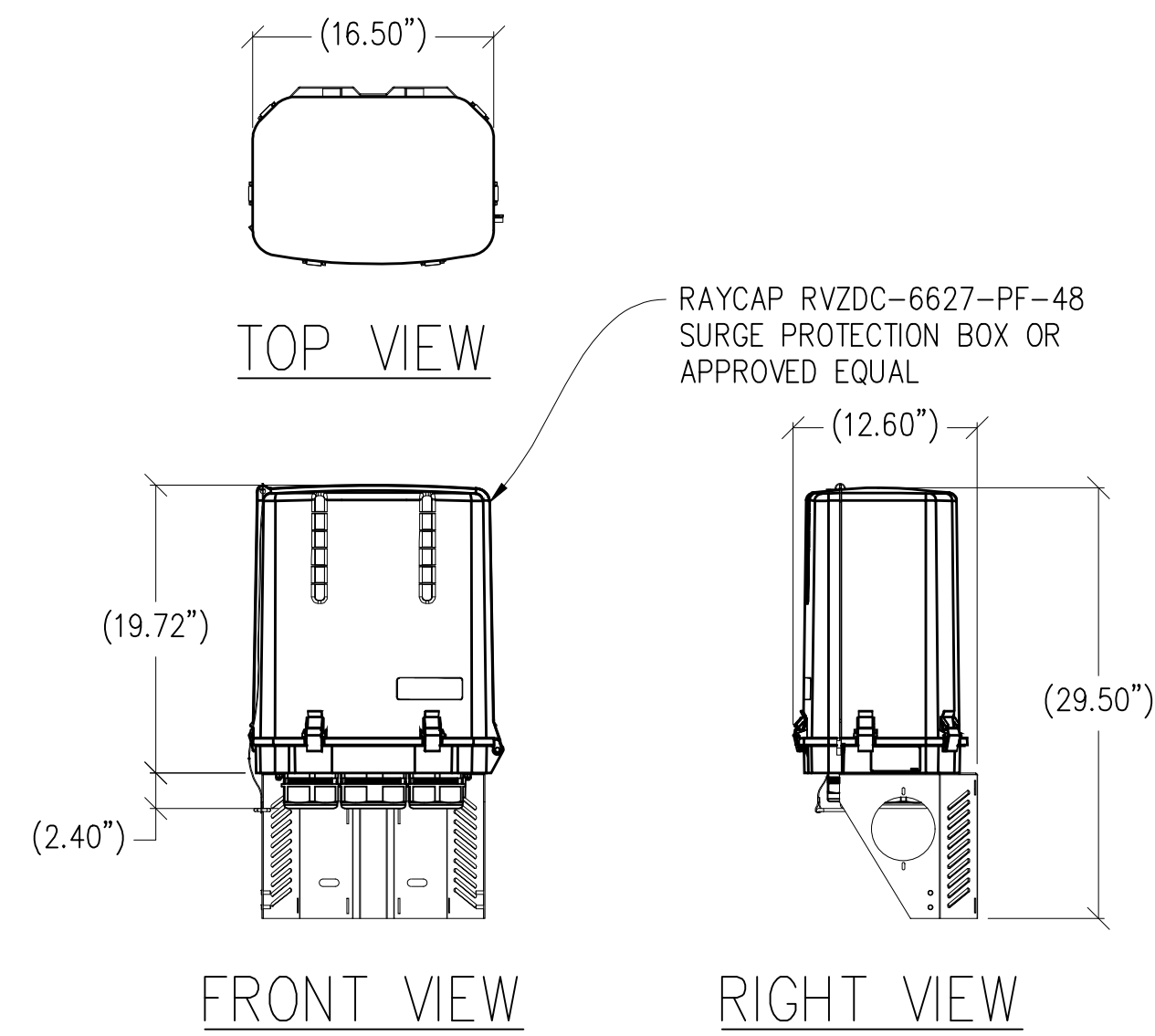




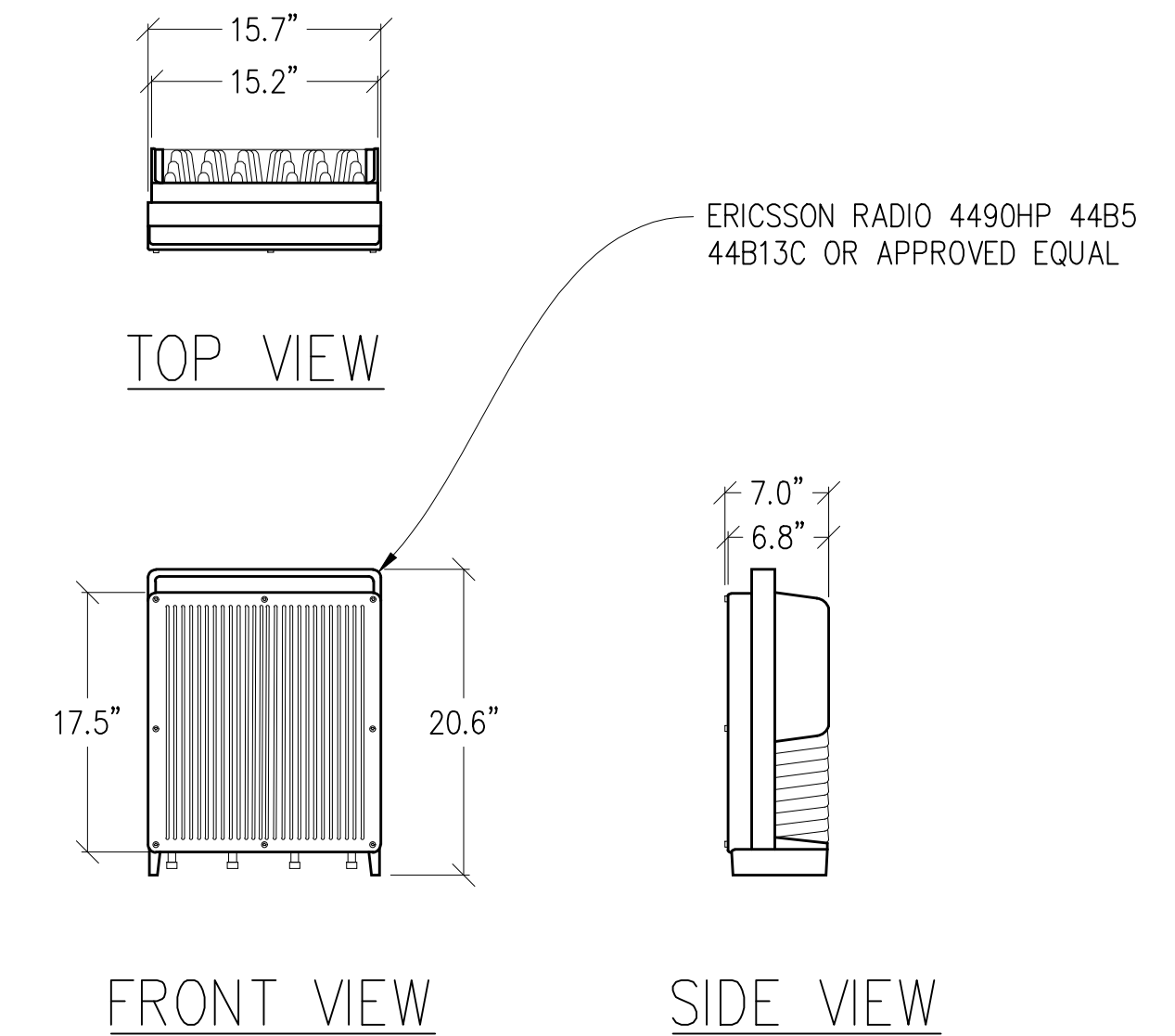
1 ANTENNA DETAIL  
1/2"=1'-0" MAX WEIGHT: 82 LBS



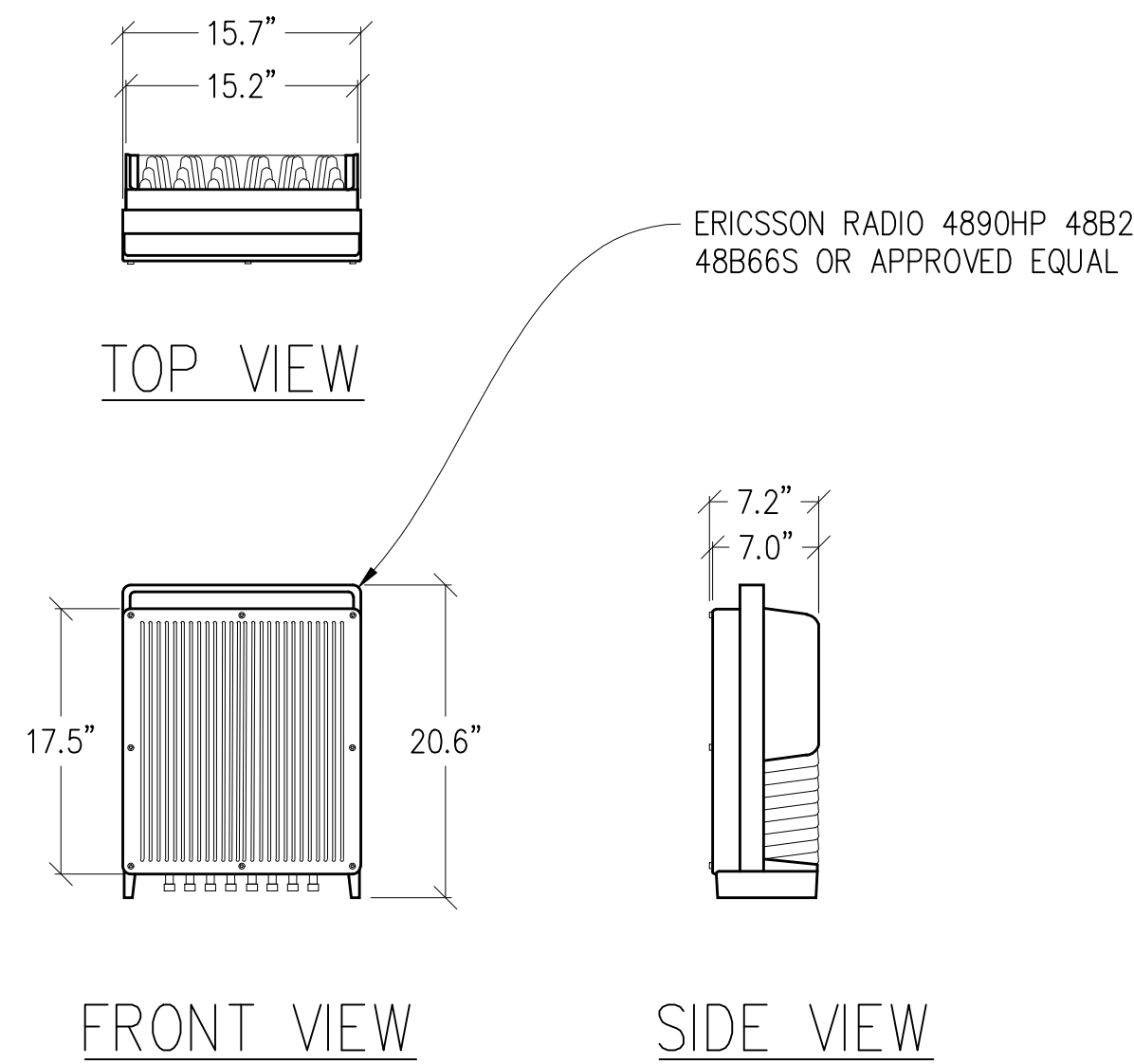
2 ANTENNA DETAIL  
1"=1'-0" MAX WEIGHT: 88 LBS



3 SURGE PROTECTION BOX  
1"=1'-0" MAX WEIGHT: 32.0 LBS



4 RADIO DETAIL  
1"=1'-0" MAX WEIGHT: 68.4 LBS



5 RADIO DETAIL  
1"=1'-0" MAX WEIGHT: 69.5 LBS

NOTE: ALL ANTENNAS & ANTENNA EQUIPMENT  
SHOWN ARE PRELIMINARY & SUBJECT TO CHANGE

Issued For:  
**YOLANDA  
AVE**  
244 COLGAN AVENUE  
SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
2785 MITCHELL DRIVE, BLDG 9  
WALNUT CREEK, CA 94598

Vendor:  
**ON AIR**

MDG LOCATION ID: 5000169536  
PROJECT ID: 16388316  
DRAWN BY: SEAD  
CHECKED BY: J. GRAY  
APPROVED BY: -

ISSUE STATUS			
REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:  
**PRELIMINARY:  
NOT FOR  
CONSTRUCTION**  
KEVIN R. SORENSEN  
S4469

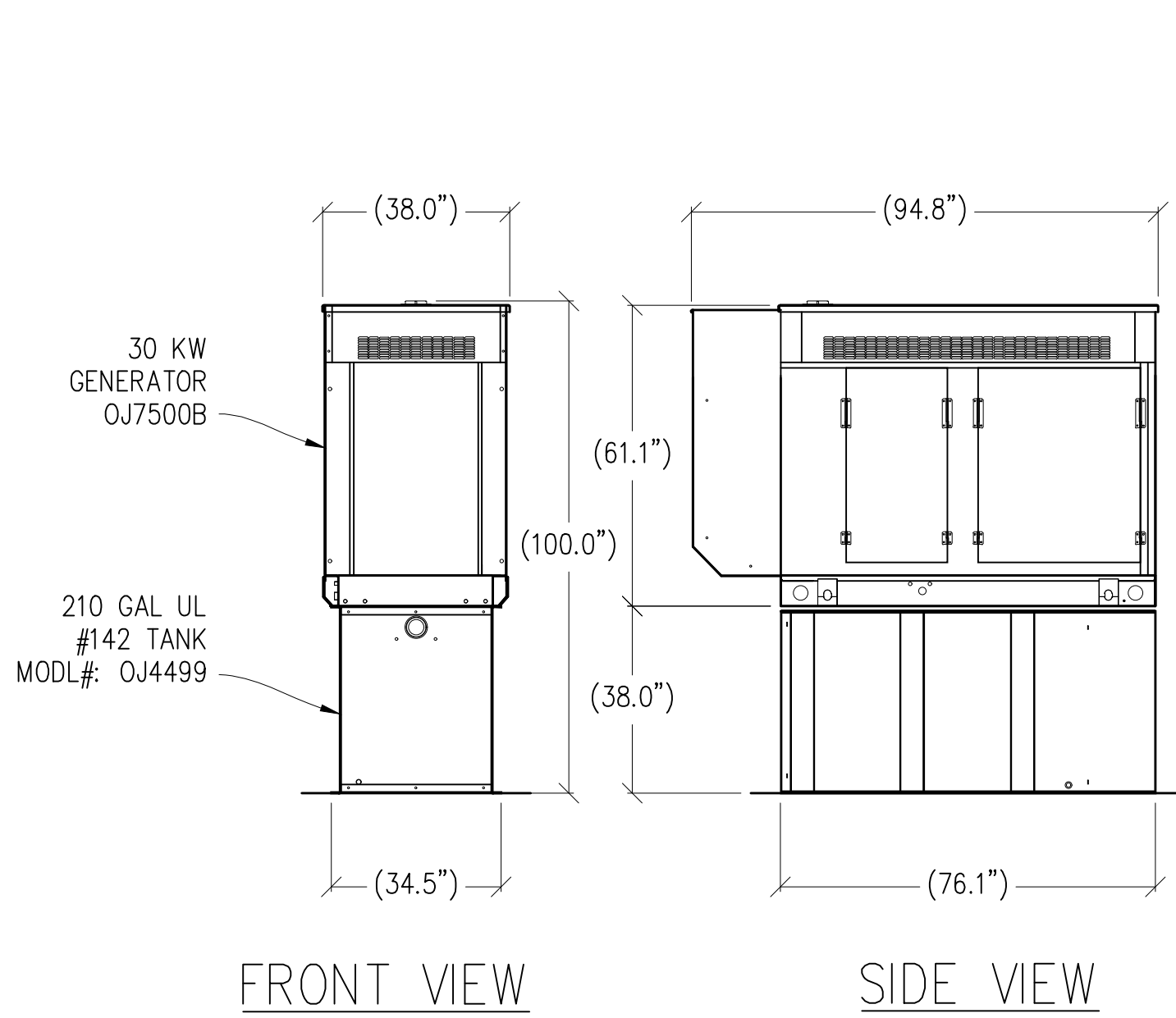
IT IS A VIOLATION OF LAW FOR ANY PERSON,  
UNLESS THEY ARE ACTING UNDER THE  
DIRECTION OF A LICENSED PROFESSIONAL  
ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:  
**Streamline Engineering**  
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
Contact: Kevin Sorenson Phone: 916-660-1930  
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941  
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE  
PROPERTY OF STREAMLINE ENGINEERING. NO PART OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED,  
COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF  
ENGINEER. Copyright © 2008, STREAMLINE ENGINEERING AND DESIGN, INC. ALL RIGHTS RESERVED.

SHEET TITLE:  
**ANTENNA  
DETAILS**

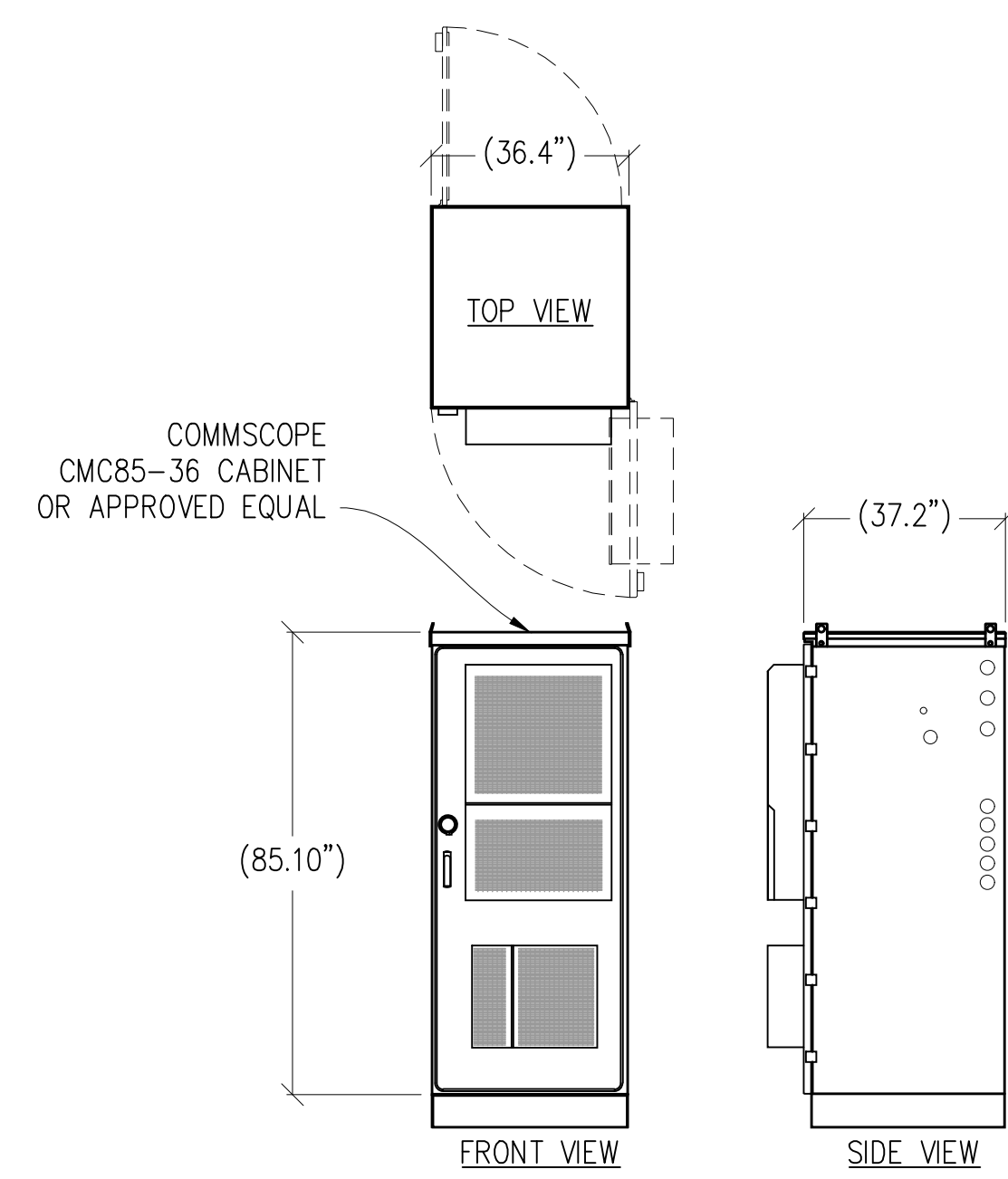
SHEET NUMBER:  
**A-4.1**





FRONT VIEW

SIDE VIEW



FRONT VIEW

SIDE VIEW

1 30KW GENERATOR DETAIL  
 $\frac{3}{8}''=1'-0''$  MAX WEIGHT: 3,119 LBS

2 CABINET DETAIL  
 $\frac{3}{8}''=1'-0''$  MAX WEIGHT: 2,352 LBS

Issued For:  
**YOLANDA AVE**  
 244 COLGAN AVENUE  
 SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
 2785 MITCHELL DRIVE, BLDG 9  
 WALNUT CREEK, CA 94598

Vendor:  
**ON AIR**

MDG LOCATION ID: 5000169536  
 PROJECT ID: 16388316  
 DRAWN BY: SEAD  
 CHECKED BY: J. GRAY  
 APPROVED BY: -

ISSUE STATUS			
REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:  
**PRELIMINARY:  
 NOT FOR  
 CONSTRUCTION**  
 KEVIN R. SORENSEN  
 S4469

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

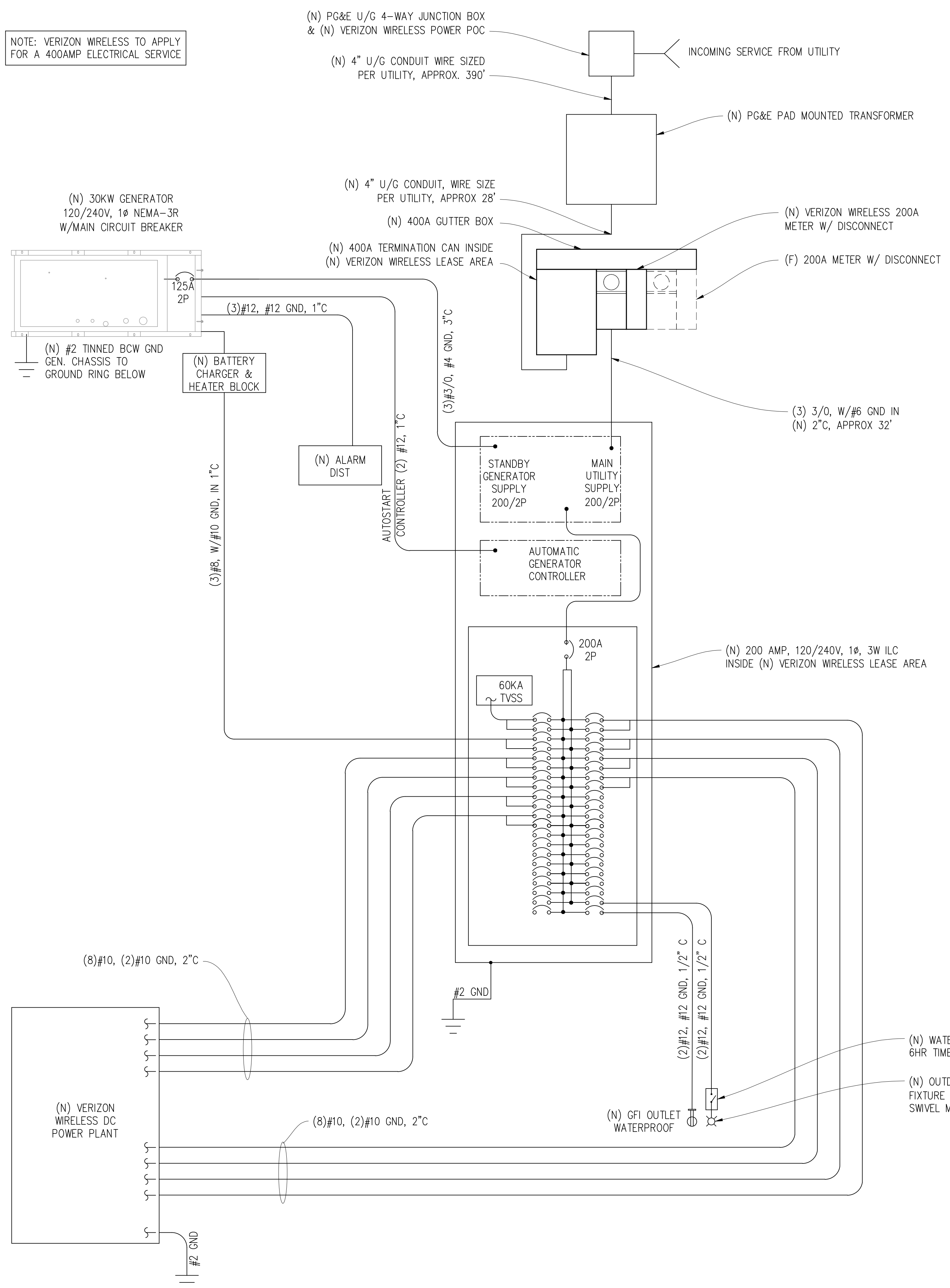
ENGINEER:  
  
 8445 Sierra College Blvd, Suite E Granite Bay, CA 95746  
 Contact: Kevin Sorenson Phone: 916-660-1930  
 E-Mail: kevin@streamlineeng.com Fax: 916-660-1941  
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING. NO PART OF THESE PLANS OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING. Copyright © 2004, STREAMLINE ENGINEERING AND DESIGN, INC. ALL RIGHTS RESERVED.

SHEET TITLE:  
**EQUIPMENT  
 DETAILS**

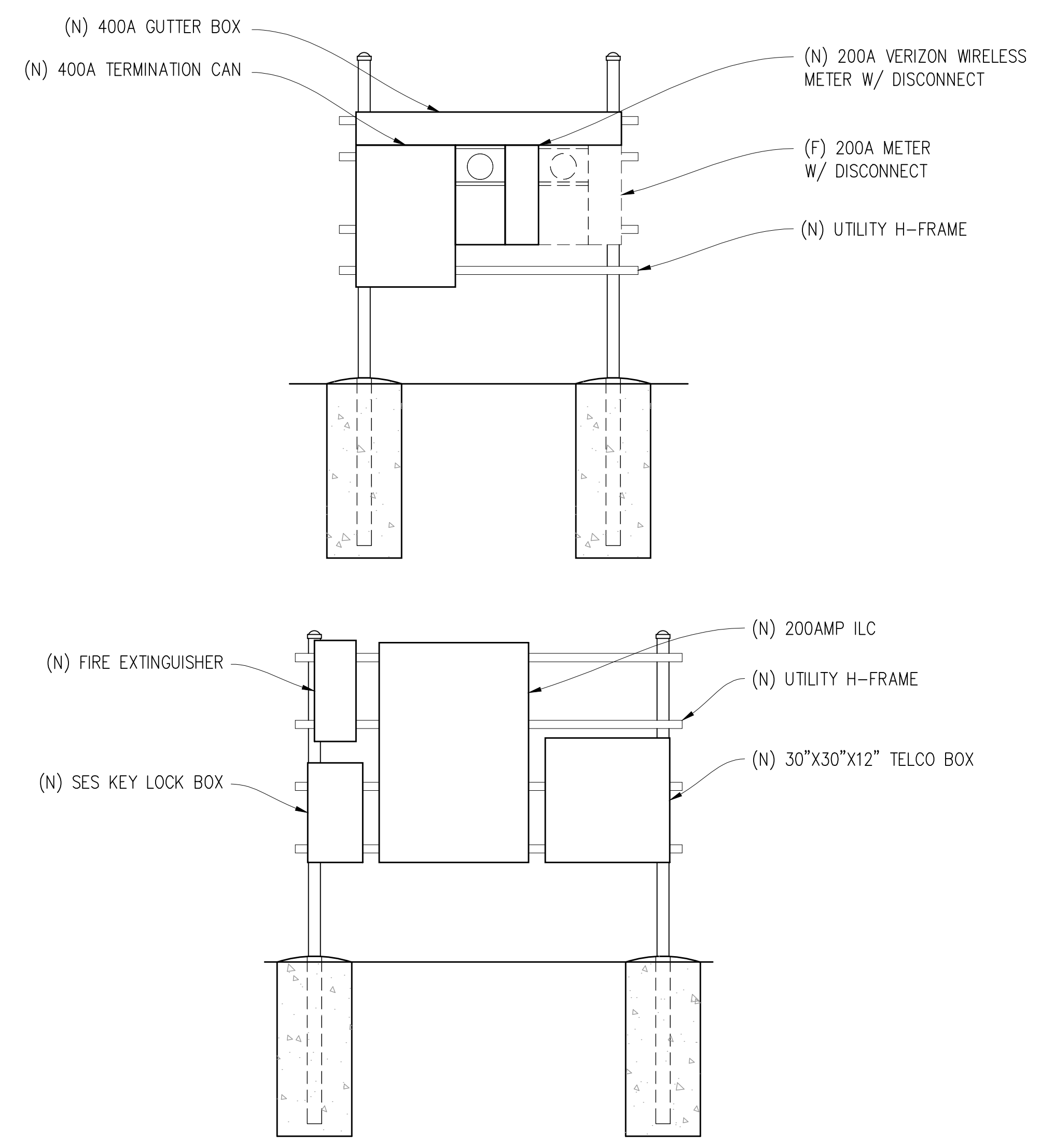
SHEET NUMBER:  
**A-4.2**



NOTE: VERIZON WIRELESS TO APPLY FOR A 400AMP ELECTRICAL SERVICE



SINGLE LINE DIAGRAM



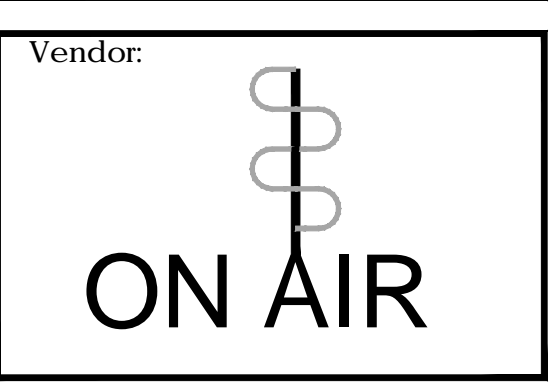
UTILITY ELEVATIONS

PANEL SCHEDULE

NAMEPLATE : PANEL A		SC LEVEL : 10,000		VOLTS: 120V/240V, 1Ø				
LOCATION : OUTSIDE		BUS AMPS: 200A		MAIN CB: 200A				
MOUNTING : H-FRAME								
ØA	ØB	LOAD DESCRIPTION	BKR AMP/POLE	CIRCUIT NO	BKR AMP/POLE	LOAD DESCRIPTION	ØA	ØB
30	30	SURGE ARRESTOR	60/2	1 2	30/2	(N) CABINET	1320	1320
3840	3840	(N) BATTERY CHARGER & HTR	40/2	5 6	30/2	" "	1320	1320
1320	1320	(N) CABINET	30/2	9 10	30/2	" "	1320	1320
1320	1320	" "	30/2	11 12	" "	" "	1320	1320
1320	1320	" "	30/2	13 14	30/2	" "	1320	1320
1320	1320	" "	30/2	15 16	" "	" "	1320	1320
1320	1320	" "	30/2	17 18	-	BLANK		
1320	1320	" "	30/2	19 20	-	" "		
		" "	" "	21 22	-	" "		
		" "	" "	23 24	-	" "		
		BLANK	-	25 26	-	" "		
		" "	-	27 28	-	" "		
		" "	-	29 30	-	" "		
		" "	-	31 32	-	" "		
		" "	-	33 34	-	" "		
		" "	-	35 36	-	" "		
		" "	-	37 38	-	" "		
		" "	-	39 40	20/1	LIGHT		300
		" "	-	41 42	20/1	GFI RECEPTACLE	180	5580
9150	9150	PHASE TOTALS				PHASE TOTALS	5460	5580
TOTAL VA =	29340	TOTAL AMPS =	122					

Issued For:  
**YOLANDA AVE**  
244 COLGAN AVENUE  
SANTA ROSA, CA 95404

PREPARED FOR  
**verizon**  
2785 MITCHELL DRIVE, BLDG 9  
WALNUT CREEK, CA 94598



Vendor:  
MDG LOCATION ID: 5000169536  
PROJECT ID: 16388316  
DRAWN BY: SEAD  
CHECKED BY: J. GRAY  
APPROVED BY:

REV	DATE	DESCRIPTION	CAD
8	01/04/24	CITY COM	S.D.
7	09/15/23	CLIENT REV	D.H.
6	08/25/23	PLAN COM	D.H.
5	07/12/23	CLIENT REV	D.H.
4	07/07/23	CLIENT REV	D.H.
3	06/20/23	CLIENT REV	D.H.
2	05/12/23	CLIENT REV	D.H.
1	05/01/23	ZD 100%	A.A.
0	04/13/23	ZD 90%	XX

Licensee:  
**PRELIMINARY:  
NOT FOR  
CONSTRUCTION**  
KEVIN R. SORENSEN  
S4469

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:  
**Streamline Engineering**  
8445 Sierra College Blvd, Suite E, Grants Pass, CA 97746  
Contact: Kevin Sorenson Phone: 916-660-1930  
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

SHEET TITLE:  
**ELECTRICAL  
PLAN**

SHEET NUMBER:  
**E-1.1**