



Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community



CUP-R25-0005/ATC - Wooden Pole to Monopine
Exhibit A - Vicinity Map

Legend

 Parcel Lines

26-0624 D Page 1 of 65

0 250 500 1,000 Feet



RECEIVED

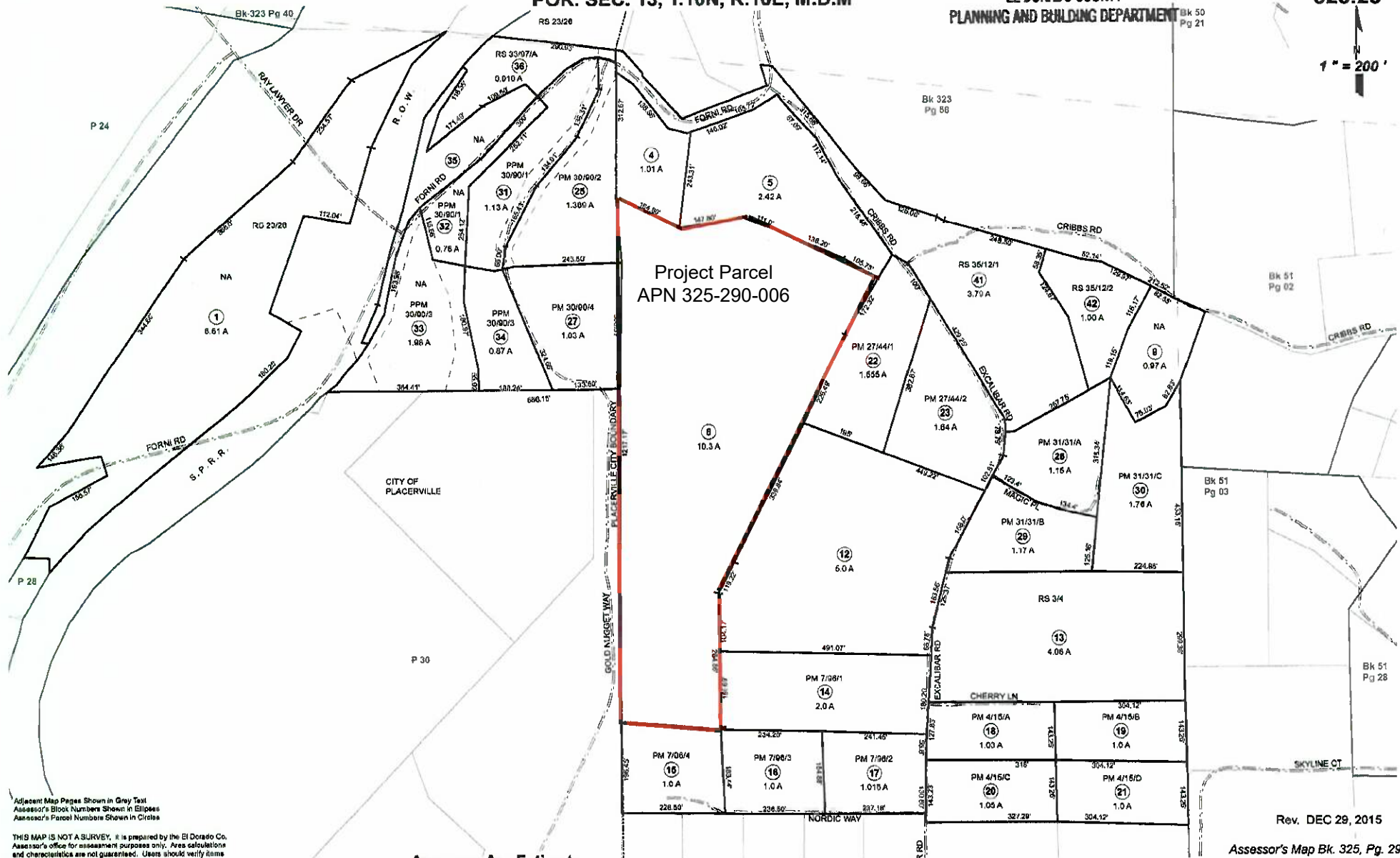
NOV 20 2025

EL DORADO COUNTY
PLANNING AND BUILDING DEPARTMENT

325:29

1" = 200'

POR. SEC. 13, T.10N, R.10E, M.D.M



Adjacent Map Pages Shown in Grey Text
Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

THIS MAP IS NOT A SURVEY, it is prepared by the El Dorado Co. Assessor's office for assessment purposes only. Area calculations and characteristics are not guaranteed. Users should verify items such as dimensions and acreage.

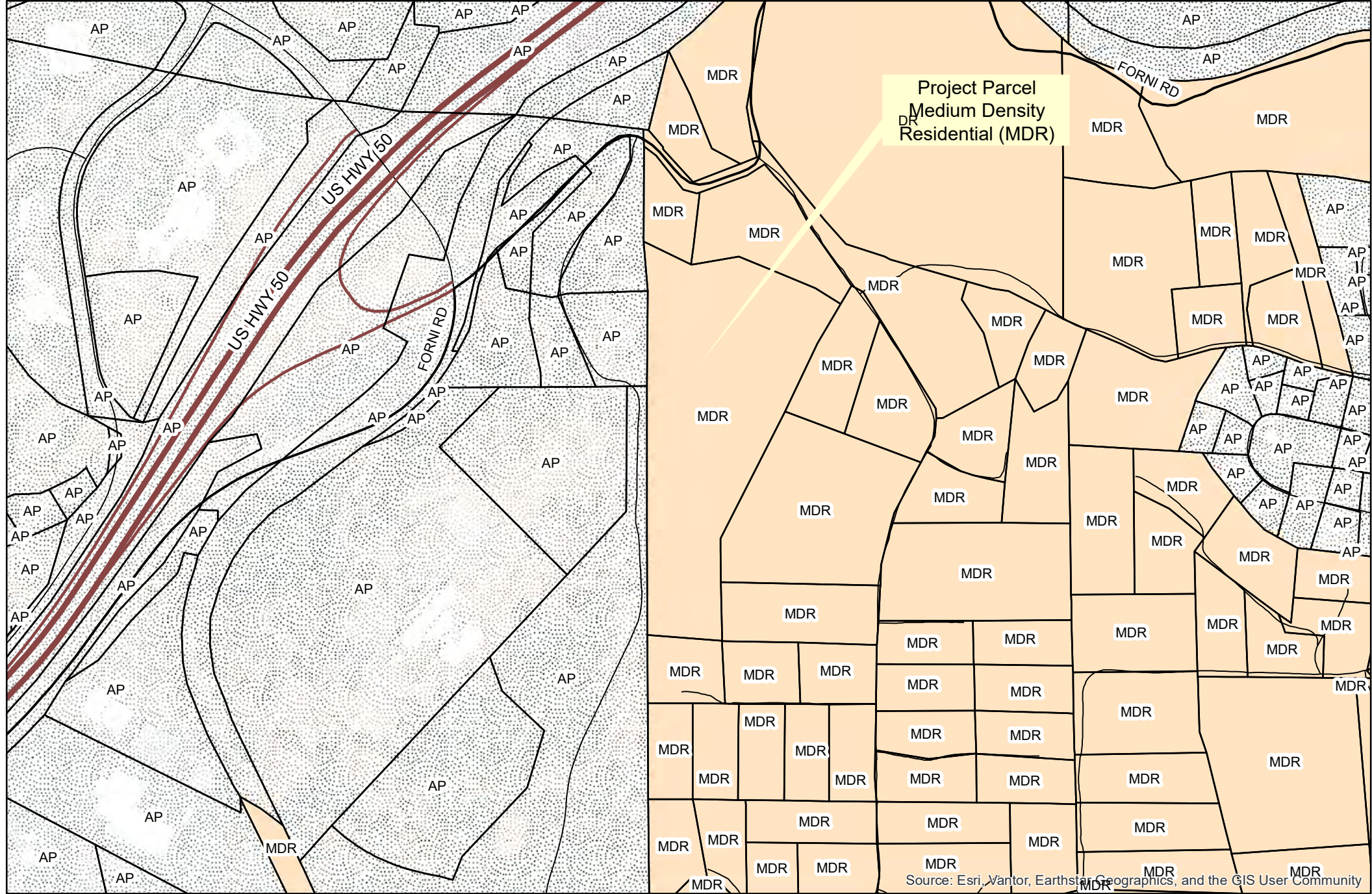
Acreages Are Estimates

Rev. DEC 29, 2015

Assessor's Map Bk. 325, Pg. 29
County of El Dorado, CA

CUP-R25-0005/ATC - Wooden Pole to Monopine
Exhibit B - Assessor's Parcel Map

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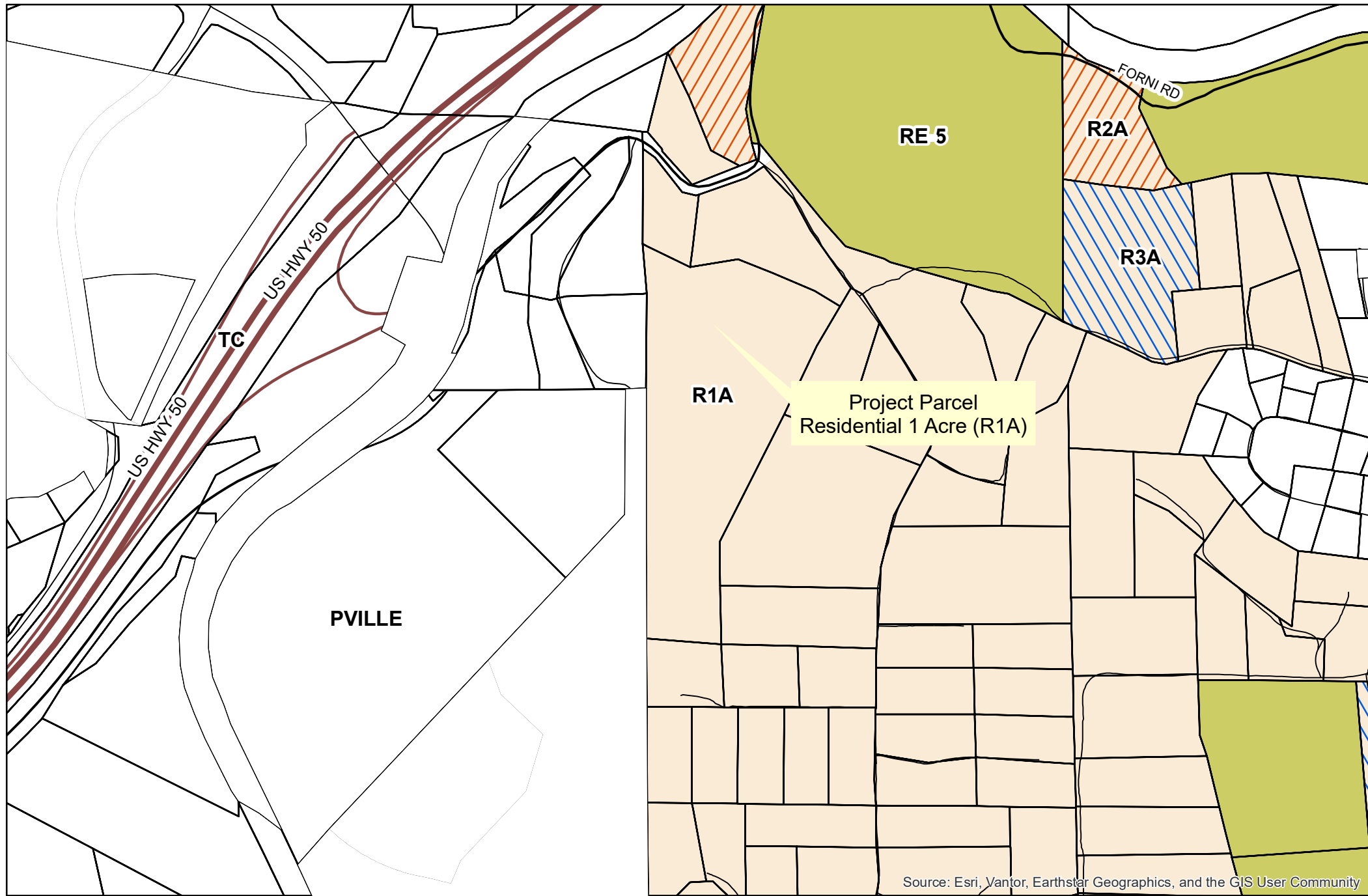
Project Parcel
Medium Density
Residential (MDR)

Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community



- Legend**
- Parcel Lines
 - Roads**
 - HIGHWAY
 - MAJOR
 - MINOR
 - RAMP
 - Adopted Plan
 - Medium Density Residential

CUP-R25-0005/ATC - Wooden Pole to Monopine Exhibit C - Land Use Designation Map



Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community

Legend

Parcel Lines

Roads

HIGHWAY

MAJOR

MINOR

RAMP

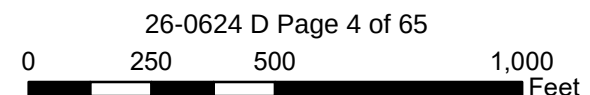
R1A = Residential 1 Acre

R2A = Residential 2 Acres

R3A = Residential 3 Acres

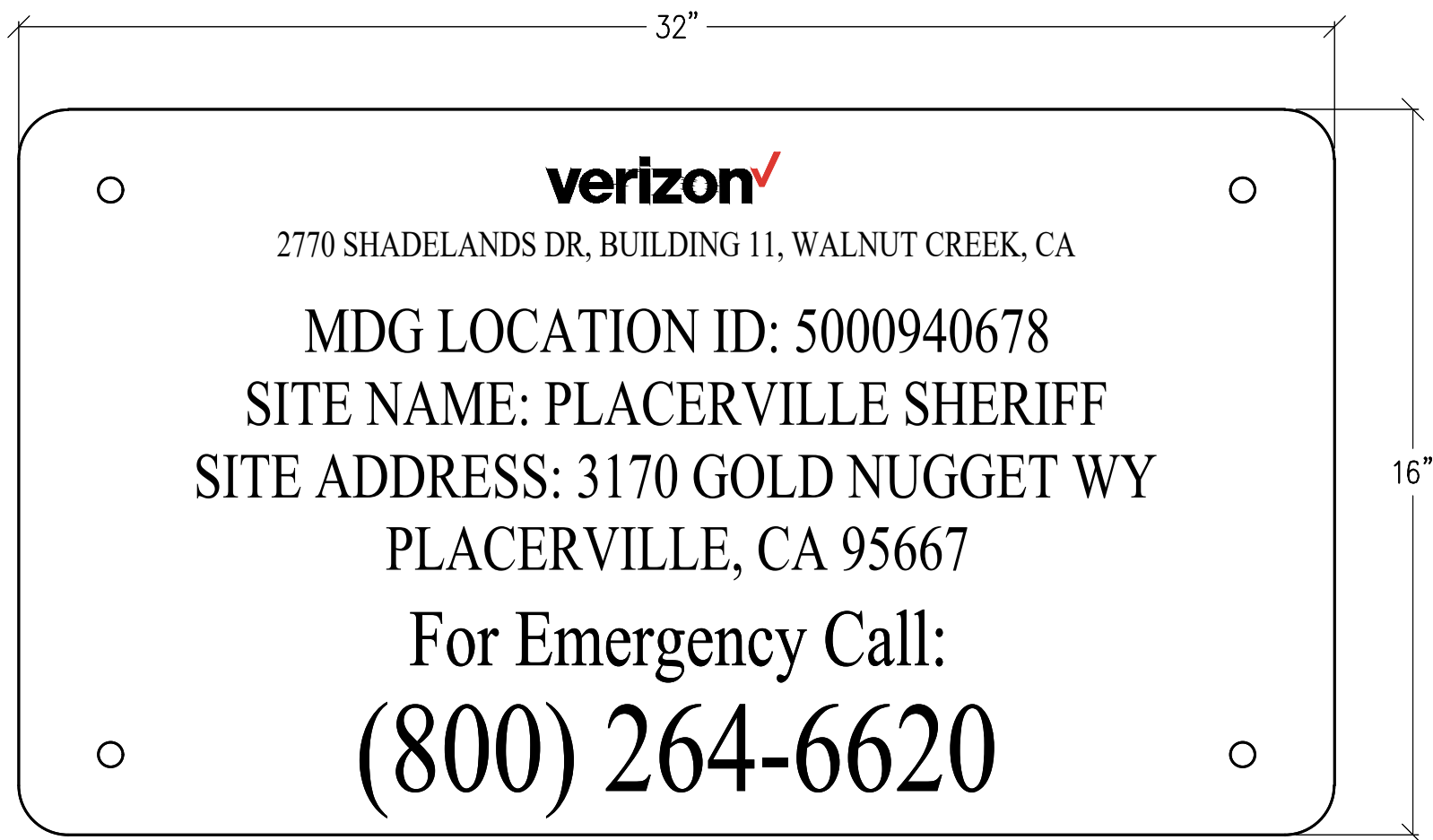
RE-5 = Residential Estate 5 Acres

CUP-R25-0005/ATC - Wooden Pole to Monopine Exhibit D - Zoning Designation Map



SIGNAGE AND STRIPING INFORMATION

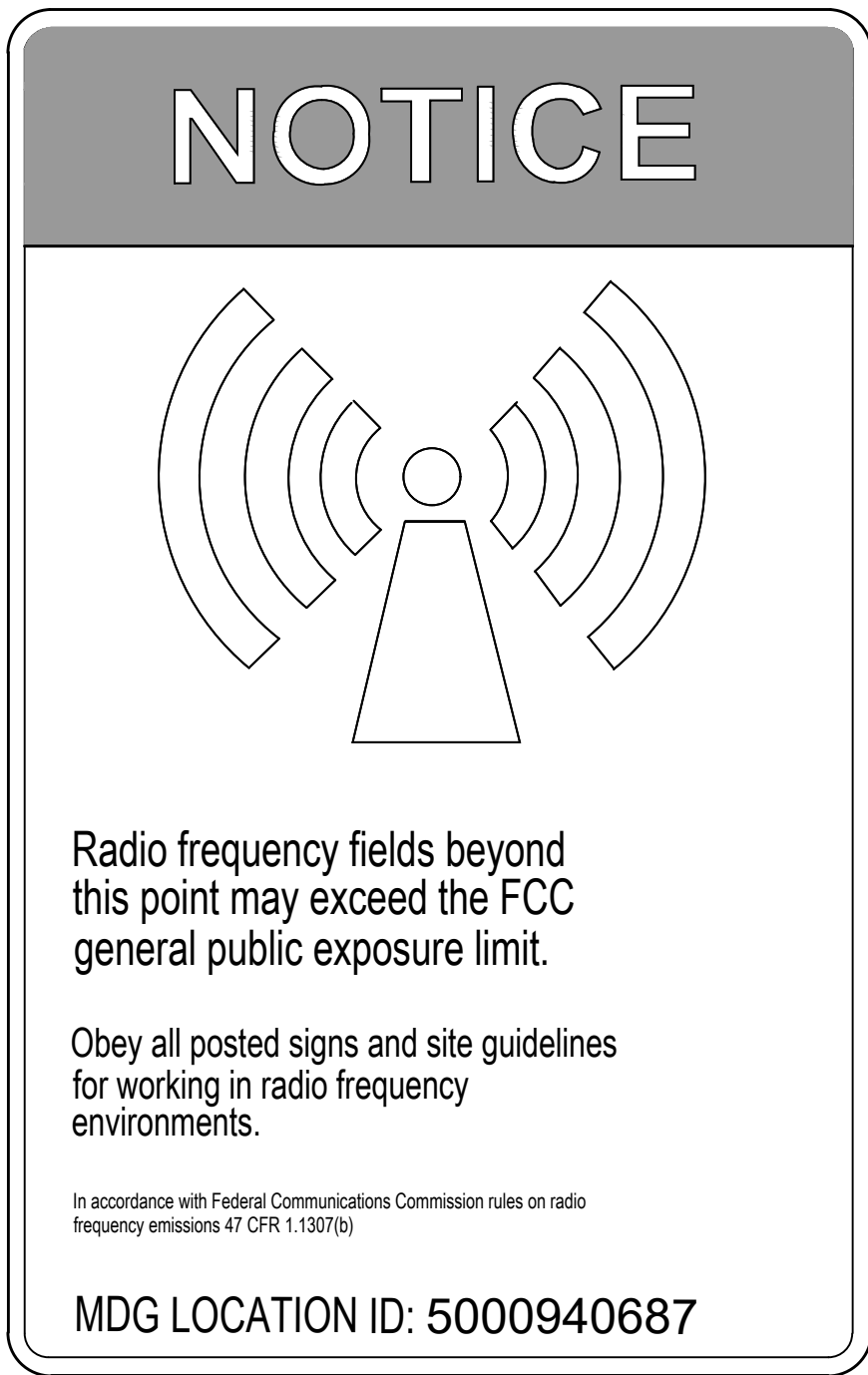
1. THE FOLLOWING INFORMATION IS A GUIDELINE WITH RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATION SHOULD BE IN CONFLICT WITH ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.
2. THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY VERIZON WIRELESS IS 1mWcm^2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY VERIZON WIRELESS IS 5mWcm^2
3. IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR ROOF LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED.
4. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR CANNOT BE LOCKED OR THERE IS AN EXISTING FIRE EGRESS), THEN BOTH BARRICADES AND STRIPING WILL BE NEEDED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING WILL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER THE CONSTRUCTION OF THE SITE. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
5. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS NOT EXCEEDED AND THE AREA IS NOT PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR IS LOCKED), THEN JUST STRIPING OUT TO THE PUBLIC LIMIT WILL BE NEEDED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE STRIPING WILL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER THE CONSTRUCTION OF THE SITE. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH STRIPING.
6. ALL TRANSMIT ANTENNAS REQUIRE A (3) THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN WILL BE PROVIDED TO THE CONTRACTOR BY THE VERIZON WIRELESS CONSTRUCTION MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES IN PLAIN SIGHT AND THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNAS THEMSELVES OR ON THE OUTSIDE OF THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY WITH ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS WILL HAVE VERIZON WIRELESS'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER WILL BE PROVIDED TO THE CONTRACTOR BY THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.
7. PHOTOS OF ALL STRIPING, BARRICADES, AND SIGNAGE WILL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE AND WILL BE TURNED INTO THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE WITH FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS HATCH PATTERN. ALL BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO THAT THEY DO NOT BLOCK OR INTERFERE WITH THE OPERATION OF THE SITE AND SHALL BE PAINTED WITH FADE RESISTANT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED AND SHALL PROVIDE THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER WITH A DETAILED SHOP DRAWING OF EACH BARRICADE.
8. ALL REQUIRED SIGNAGE WILL BE INSTALLED AS NEEDED AND FIELD VERIFIED.



① TYPICAL ADDRESS SIGN DETAIL
(@ LEASE AREA ACCESS DOOR)



4 TYPICAL HAZARD SIGN



2 TYPICAL CAUTION SIGN

NOTE: SIGN TO BE PERMANENTLY MOUNTED AT ANTENNA LOCATIONS.



3 TYPICAL HAZARD SIGN

Issued For:

**PLACERVILLE
SHERIFF**

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR

verizon 

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID:	5000940687
PROJECT ID:	17120113
DRAWN BY:	C. COLSTON
CHECKED BY:	S. SAVIG
APPROVED BY:	J. SPORE

ISSUE STATUS			
	02/25/26	PLANNING COMMS	T.T.
	12/18/25	PLANNING COMMS	S.V.
4	09/30/25	CLIENT REV	S.V.
3	09/25/25	CLIENT REV	T.T.
2	02/12/24	CD 100%	S.D.
1	02/06/24	CLIENT REV	S.D.
0	01/11/24	CD 90%	C.T.C
REV	DATE	DESCRIPTION	CAD

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Streamline Engineering
and Design, Inc.

3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

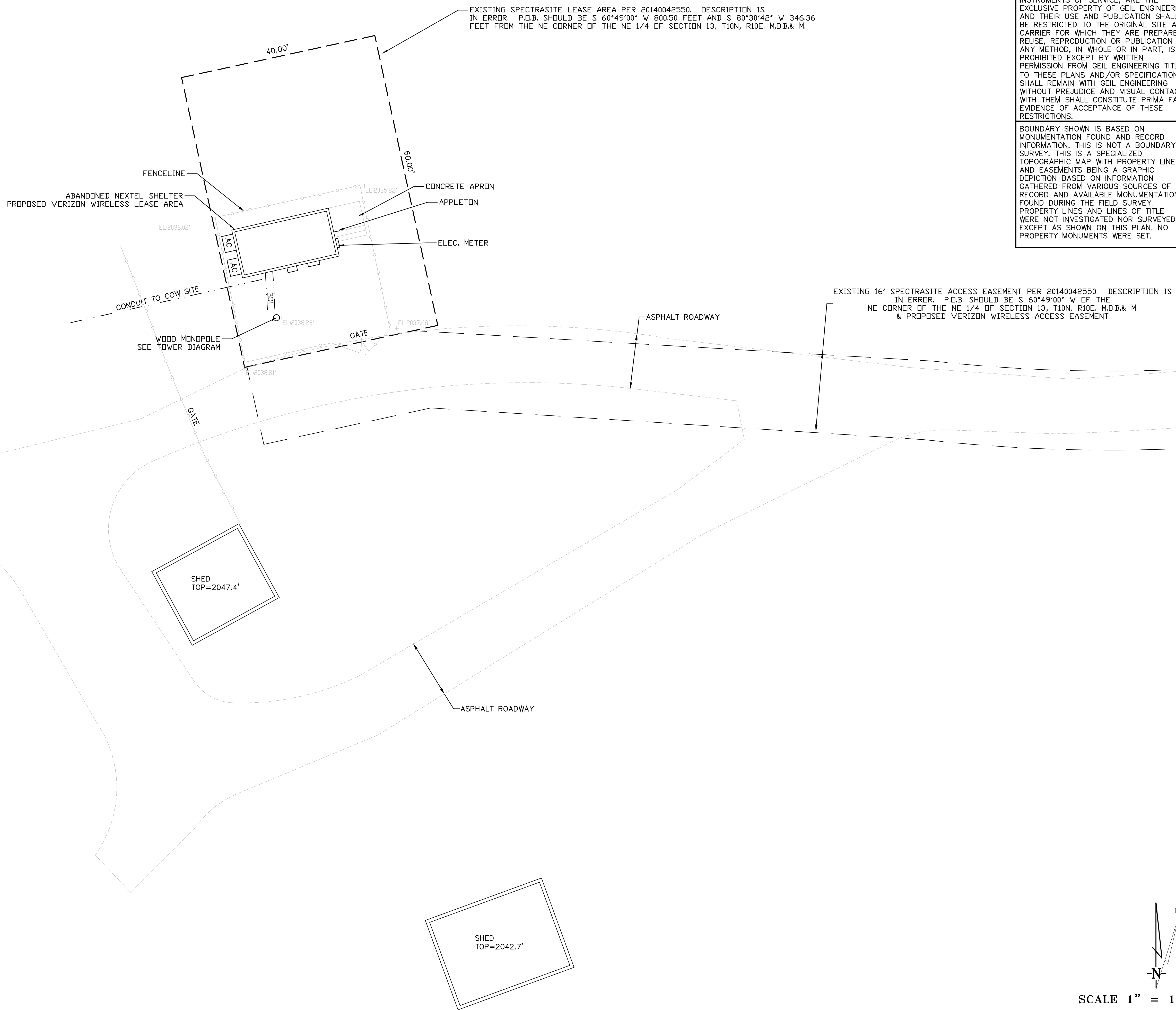
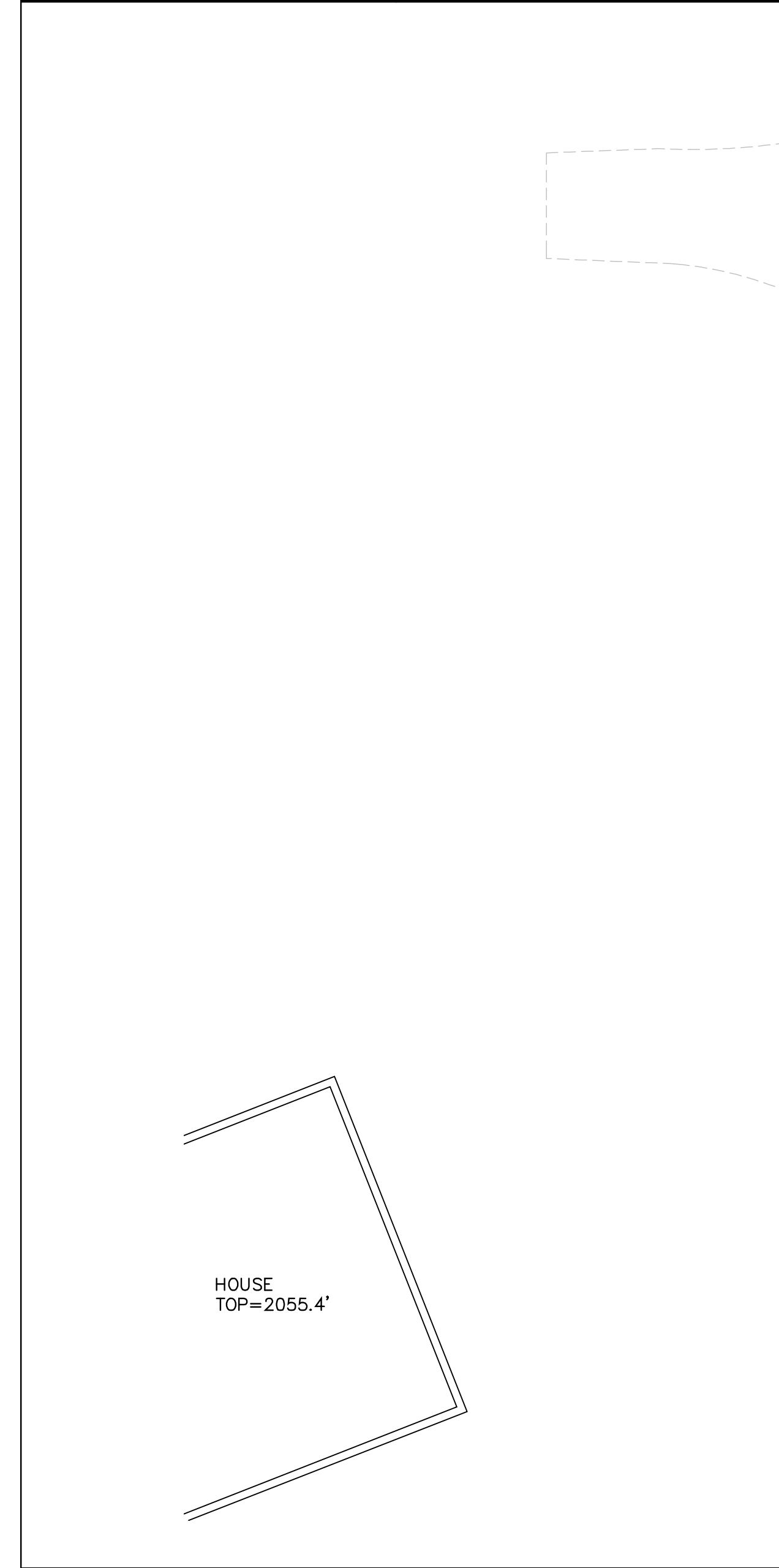
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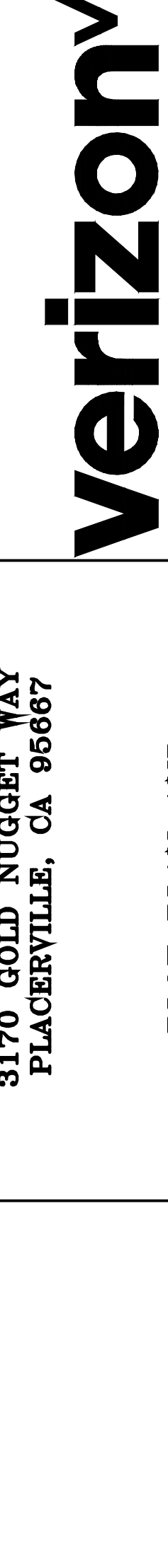
SIGNAGE
DETAILS

SHEET NUMBER:
T-1.3
26-0624 Page 7 of 65

[illegible]

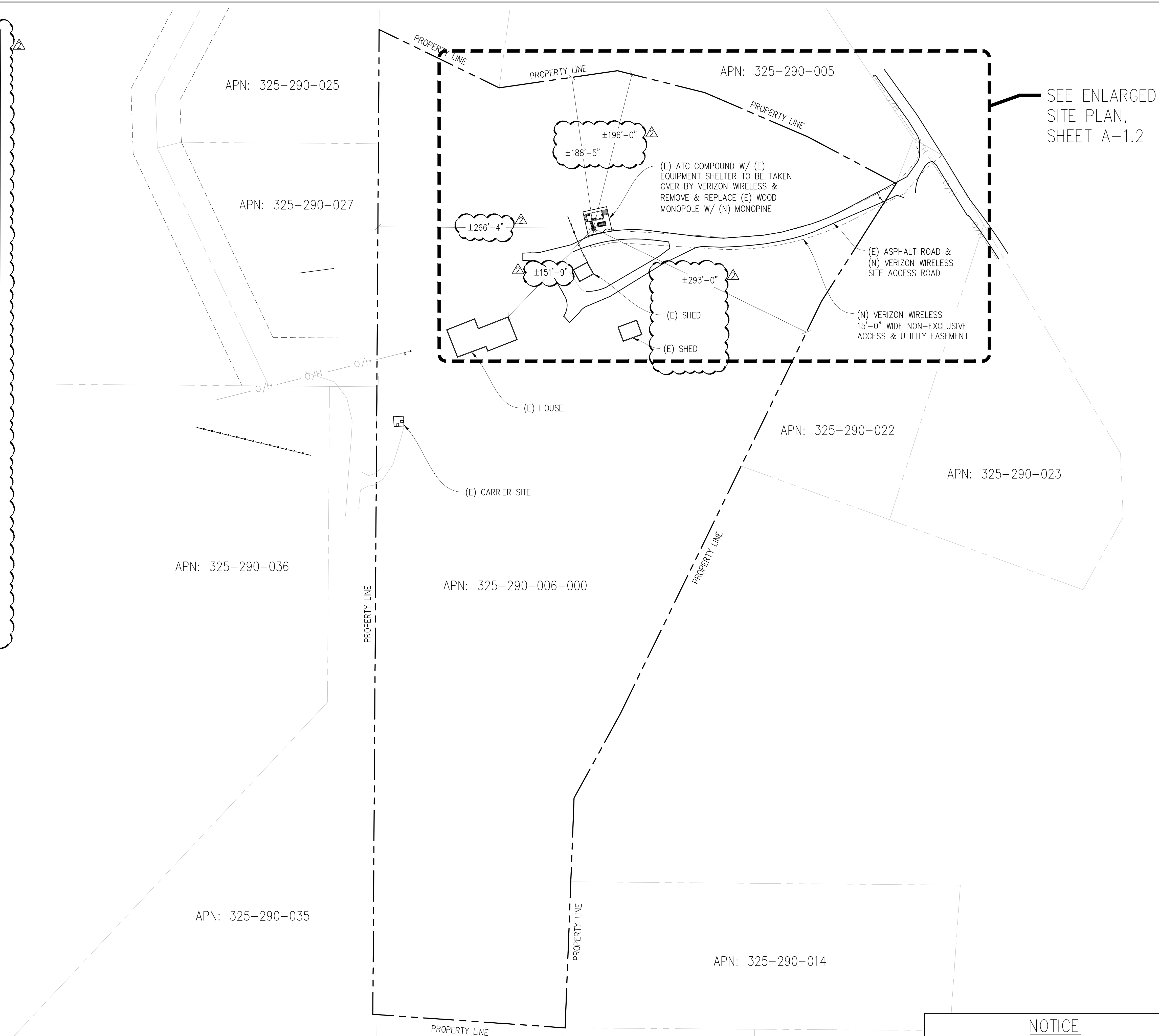


LEASE AREA ENLARGEMENT

Sheet C-2			PLACERVILLE SHERIFF RELO 3170 GOLD NUGGET WAY PLACERVILLE, CA 95667 PLOT PLAN AND SITE TOPOGRAPHY	 Surveyor GEIL ENGINEERING ENGINEERING FIRM LICENSE CCR #008567 AUBURN, CALIFORNIA 96003 phone: (530) 885-0426 fax: (530) 823-1309	<table><tr><td>DEPT</td><td>APPROVED</td><td>DATE</td></tr><tr><td>A&C</td><td></td><td></td></tr><tr><td>RE</td><td></td><td></td></tr><tr><td>RF</td><td></td><td></td></tr><tr><td>INT</td><td></td><td></td></tr><tr><td>EE\N</td><td></td><td></td></tr><tr><td>OPS</td><td></td><td></td></tr><tr><td>EE\OUT</td><td></td><td></td></tr></table>	DEPT	APPROVED	DATE	A&C			RE			RF			INT			EE\N			OPS			EE\OUT		
	DEPT	APPROVED	DATE																										
	A&C																												
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	RF																												
	INT																												
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	EE\OUT																												

EL DORADO COUNTY FIRE COMMENTS:

1. FIRE APPARATUS ACCESS – APPROVED FIRE APPARATUS ACCESS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES. ALL APPROVED GATES SHALL BE EQUIPPED WITH FIRE DEPARTMENT –APPROVED EMERGENCY ACCESS (KNOX PADLOCK, OR OTHER FIRE DEPARTMENT REQUIRED DEVICES IF AUTOMATED).
2. PREMISES IDENTIFICATION – APPROVED ADDRESS IDENTIFICATION AND ON-SITE DIRECTIONAL SIGNAGE SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FIRE DEPARTMENT STANDARDS PRIOR TO OCCUPANCY.
3. EMERGENCY CONTACT SIGNAGE – PERMANENT EMERGENCY CONTACT SIGNAGE SHALL BE INSTALLED AT THE PRIMARY SITE ENTRANCE AND AT ANY ADDITIONAL LOCATIONS AS REQUIRED BY THE FIRE DEPARTMENT. AT A MINIMUM, THE SIGNAGE SHALL INCLUDE THE SITE NAME, PHYSICAL ADDRESS, AND A 24-HOUR EMERGENCY CONTACT NAME AND PHONE NUMBER. SIGNAGE SHALL BE APPROVED BY THE FIRE DEPARTMENT AND INSTALLED PRIOR TO COMMENCEMENT OF OPERATIONS.
4. VEGETATION MANAGEMENT / DEFENSIBLE SPACE – DEFENSIBLE SPACE AND VEGETATION MANAGEMENT SHALL BE ESTABLISHED AND CONTINUOUSLY MAINTAINED IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL FIRE REGULATIONS. FAILURE TO MAINTAIN DEFENSIBLE SPACE SHALL CONSTITUTE A VIOLATION OF THE CONDITIONAL USE PERMIT
5. FIRE PROTECTION SYSTEMS – FIRE SPRINKLER SYSTEMS, FIRE ALARM SYSTEMS, AND OTHER REQUIRED FIRE PROTECTION FEATURES SHALL BE PROVIDED AS DETERMINED DURING BUILDING PERMIT REVIEW BASED ON FINAL BUILDING SIZE, USE, AND CONSTRUCTION TYPE. ALL REQUIRED SYSTEMS SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO OCCUPANCY.
6. DIESEL GENERATOR AND FUEL STORAGE – ANY DIESEL-POWERED GENERATOR ASSOCIATED WITH THE PROJECT SHALL COMPLY WITH APPLICABLE FIRE CODE REQUIREMENTS FOR COMBUSTIBLE LIQUIDS. FUEL TANKS, PIPING, DAY TANKS, AND OVERFLOW OR SECONDARY SPILL CONTAINMENT SYSTEMS SHALL BE REVIEWED AND APPROVED BY THE FIRE DEPARTMENT AND SHALL BE SUBJECT TO FINAL INSPECTION AND APPROVAL BY THE FIRE DEPARTMENT PRIOR TO OPERATION.
7. HAZARDOUS MATERIALS – THE STORAGE, USE, OR HANDLING OF COMBUSTIBLE OR HAZARDOUS MATERIALS SHALL COMPLY WITH FIRE CODE REQUIREMENTS. ADDITIONAL PERMITS OR OPERATIONAL RESTRICTIONS MAY BE REQUIRED BY THE FIRE DEPARTMENT.
8. FIRE LANES AND PARKING RESTRICTIONS – FIRE APPARATUS ACCESS ROADS AND FIRE LANES SHALL BE MAINTAINED CLEAR AND UNOBSTRUCTED AT ALL TIMES. FIRE LANE MARKING AND SIGNAGE SHALL BE INSTALLED WHERE REQUIRED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY.
9. ENFORCEMENT – FAILURE TO COMPLY WITH FIRE DEPARTMENT CONDITIONS SHALL CONSTITUTE A VIOLATION OF THE CONDITIONAL USE PERMIT AND MAY RESULT IN ENFORCEMENT ACTION, SUSPENSION, OR REVOCATION OF THE PERMIT.



NOTICE

NEW MONOPINE TO BE ANALYZED BY OTHERS. STREAMLINE
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BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING &
CONNECTIONS FOR NEW LOADING CONDITIONS.

Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR



2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID:	17120113
-------------	----------

DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

ISSUE 047-003			
	02/25/26	PLANNING COMMS	T.
	12/18/25	PLANNING COMMS	S.
4	09/30/25	CLIENT REV	S.
3	09/25/25	CLIENT REV	T.
2	02/12/24	CD 100%	S.
1	02/06/24	CLIENT REV	S.
0	01/11/24	CD 90%	C.
REV	DATE	DESCRIPTION	CA

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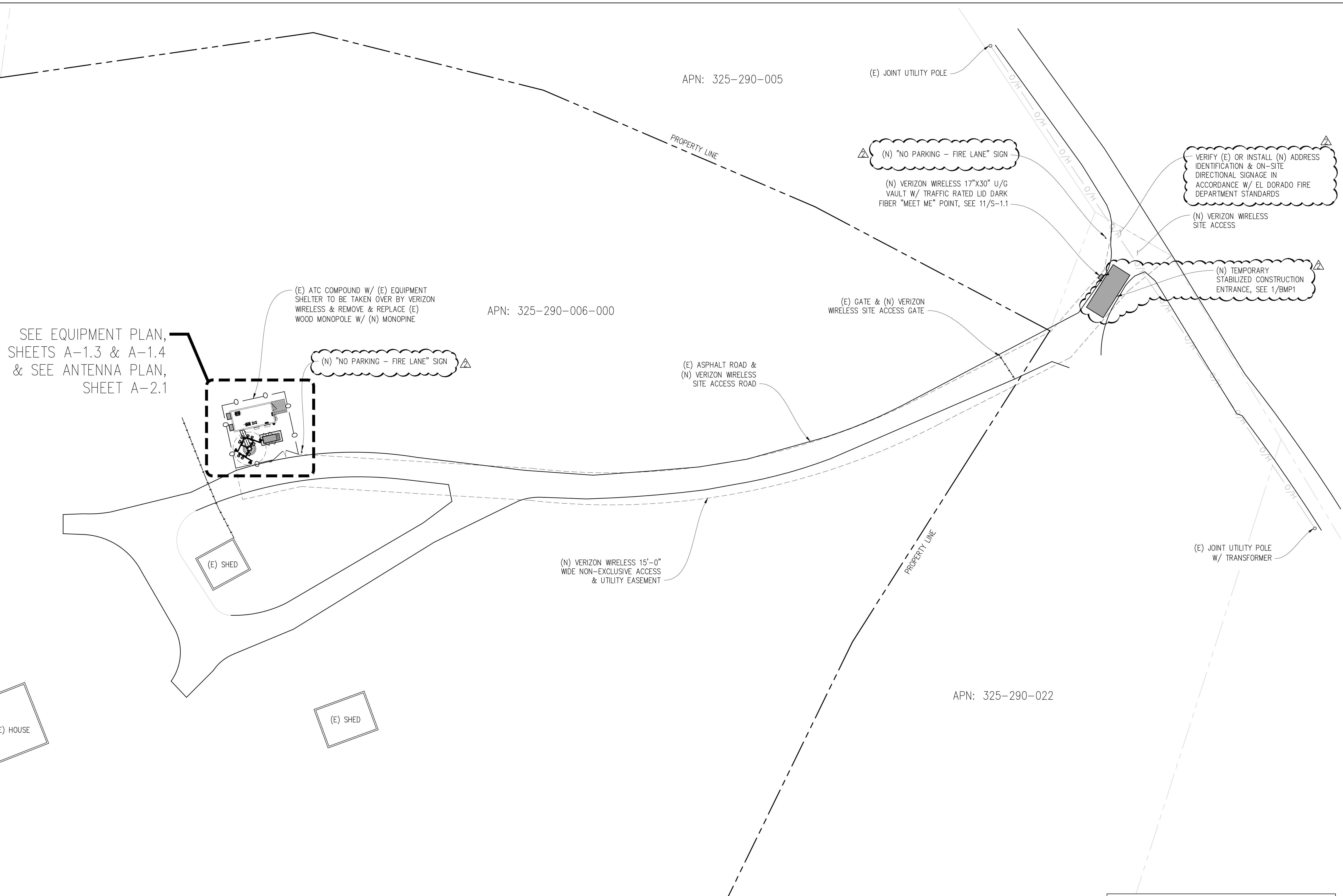


SHEET TITLE:

OVERALL
SITE PLAN

SHEET NUMBER:

A-1.1



Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR

verizon 

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID:	5000940687
PROJECT ID:	17120113
DRAWN BY:	C. COLSTON
CHECKED BY:	S. SAVIG
APPROVED BY:	J. SPORE

ISSUE STATUS			
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A	12/18/25	PLANNING COMMS	S.V.
4	09/30/25	CLIENT REV	S.V.
3	09/25/25	CLIENT REV	T.T.
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0	01/11/24	CD 90%	C.T.C.
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SHEET TITLE:

ENLARGED SITE
PLAN

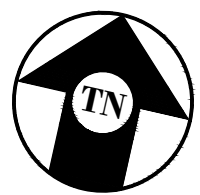
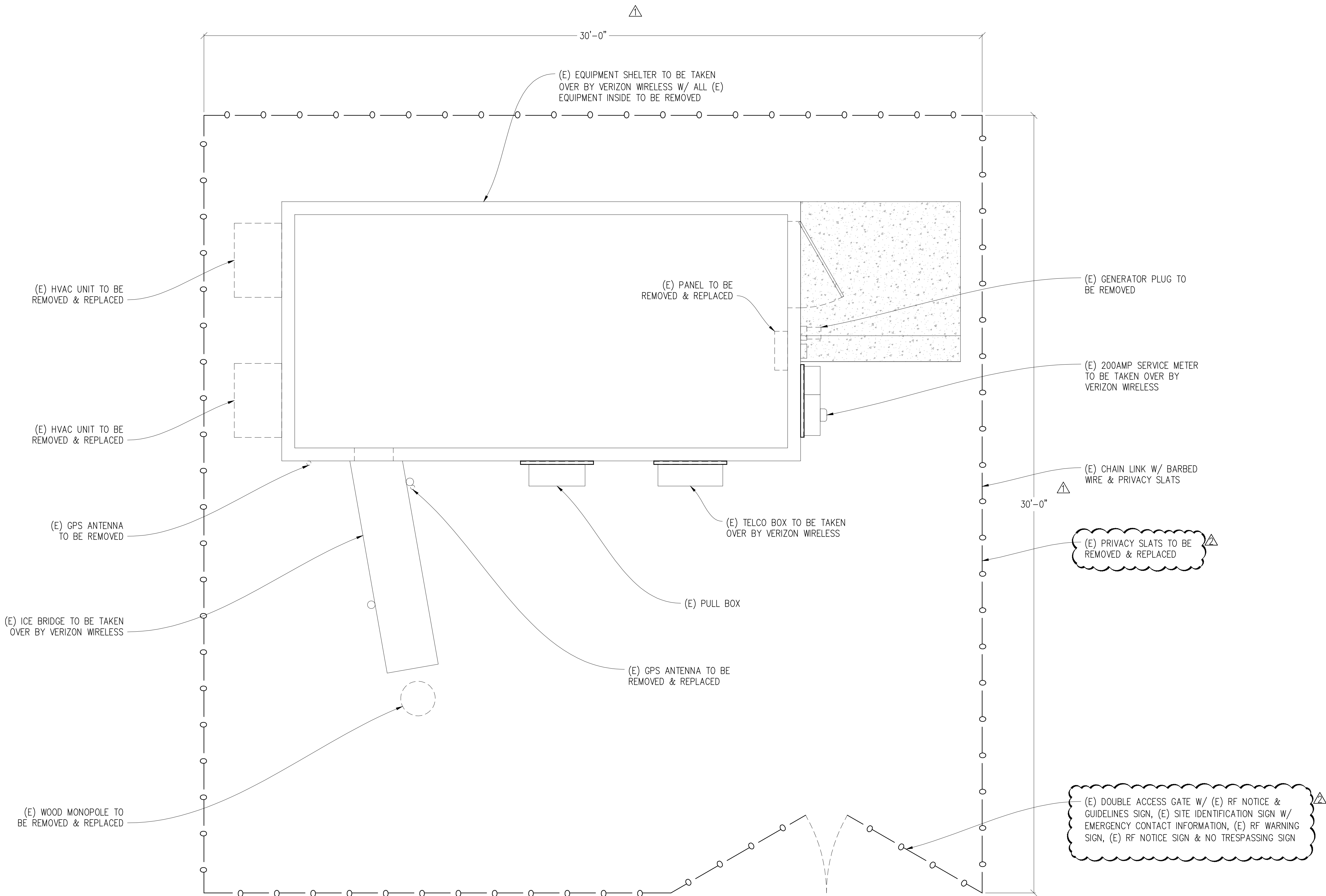
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A-1.2

ENLARGED SITE PLAN
1"=20'-0"



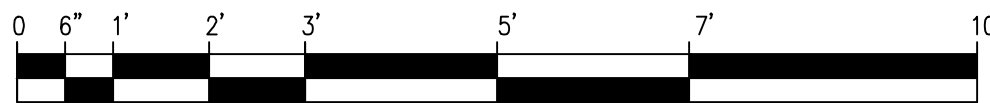
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(E) EQUIPMENT PLAN

1/2"=1'-0"



Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID: 17120113

DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	02/25/26	PLANNING COMMS	T.T.
3	12/18/25	PLANNING COMMS	S.V.
2	09/30/25	CLIENT REV	S.V.
1	09/25/25	CLIENT REV	T.T.
0	02/12/24	CD 100%	S.D.
0	02/06/24	CLIENT REV	S.D.
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Streamline Engineering
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3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941
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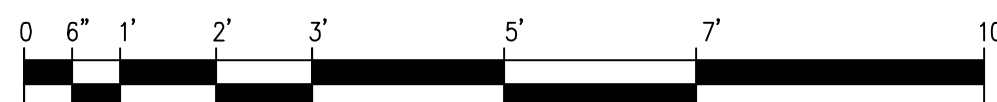
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EQUIPMENT
PLAN

SHEET NUMBER:

A-1.3

Page 12 of 65

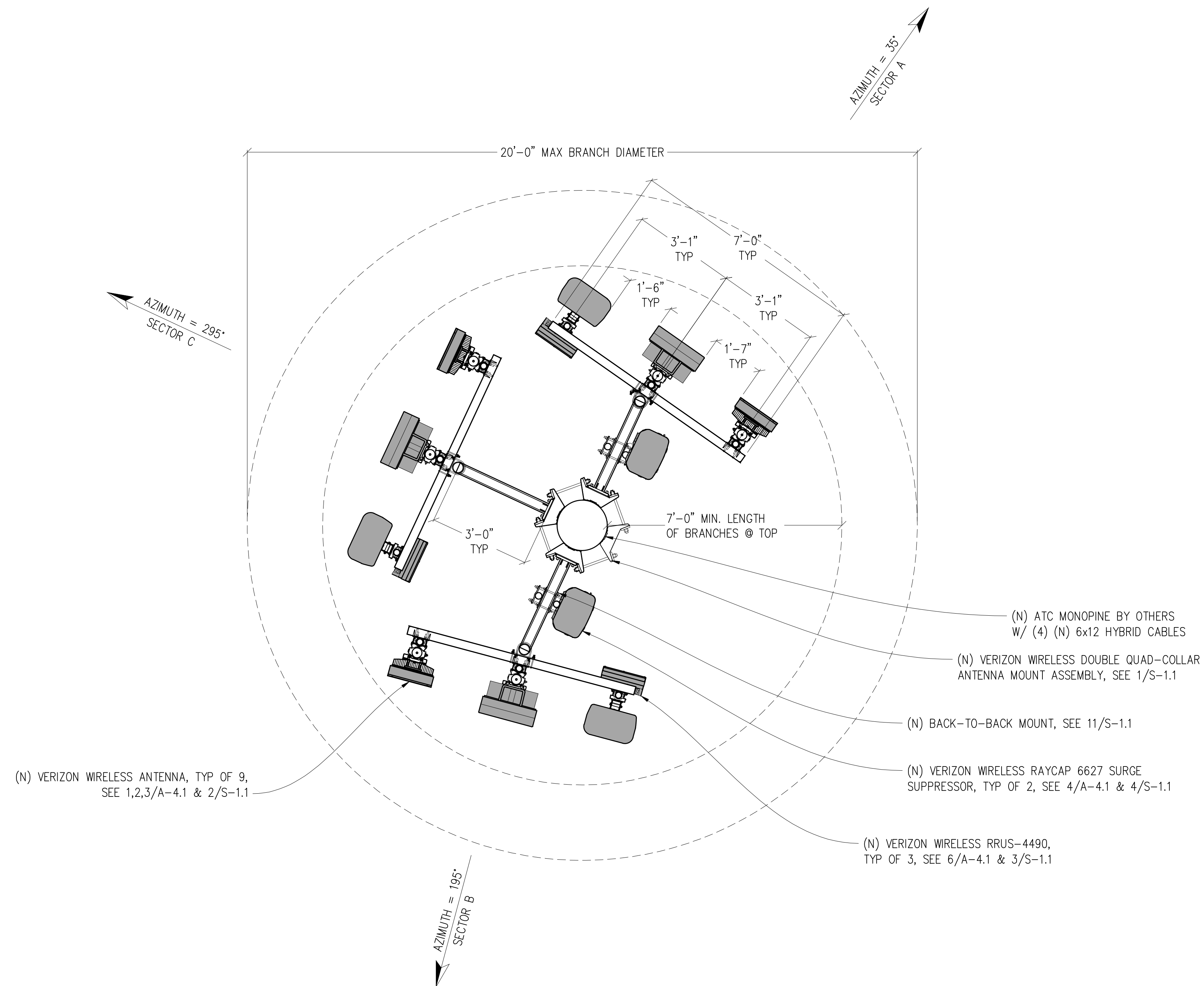


(N) EQUIPMENT PLAN

$$\frac{1}{2}'' = 1' - 0''$$

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A-14
26-0624 Page 13



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Issued For:

PLACERVILLE
SHERIFF

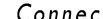
3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR



2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:



EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID:	17120113
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DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

A	02/25/26	PLANNING COMMS	T.T.
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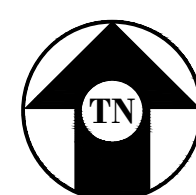


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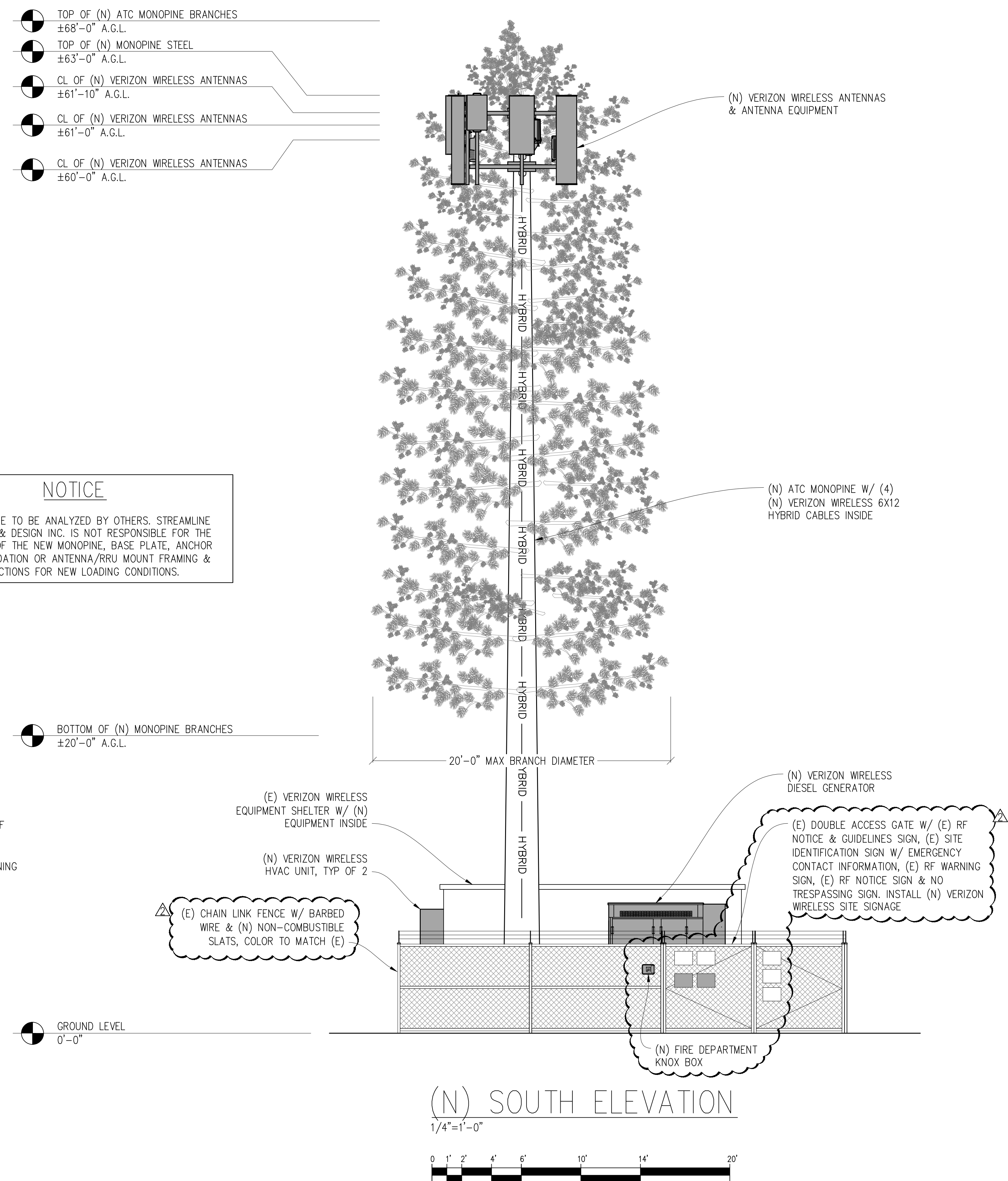
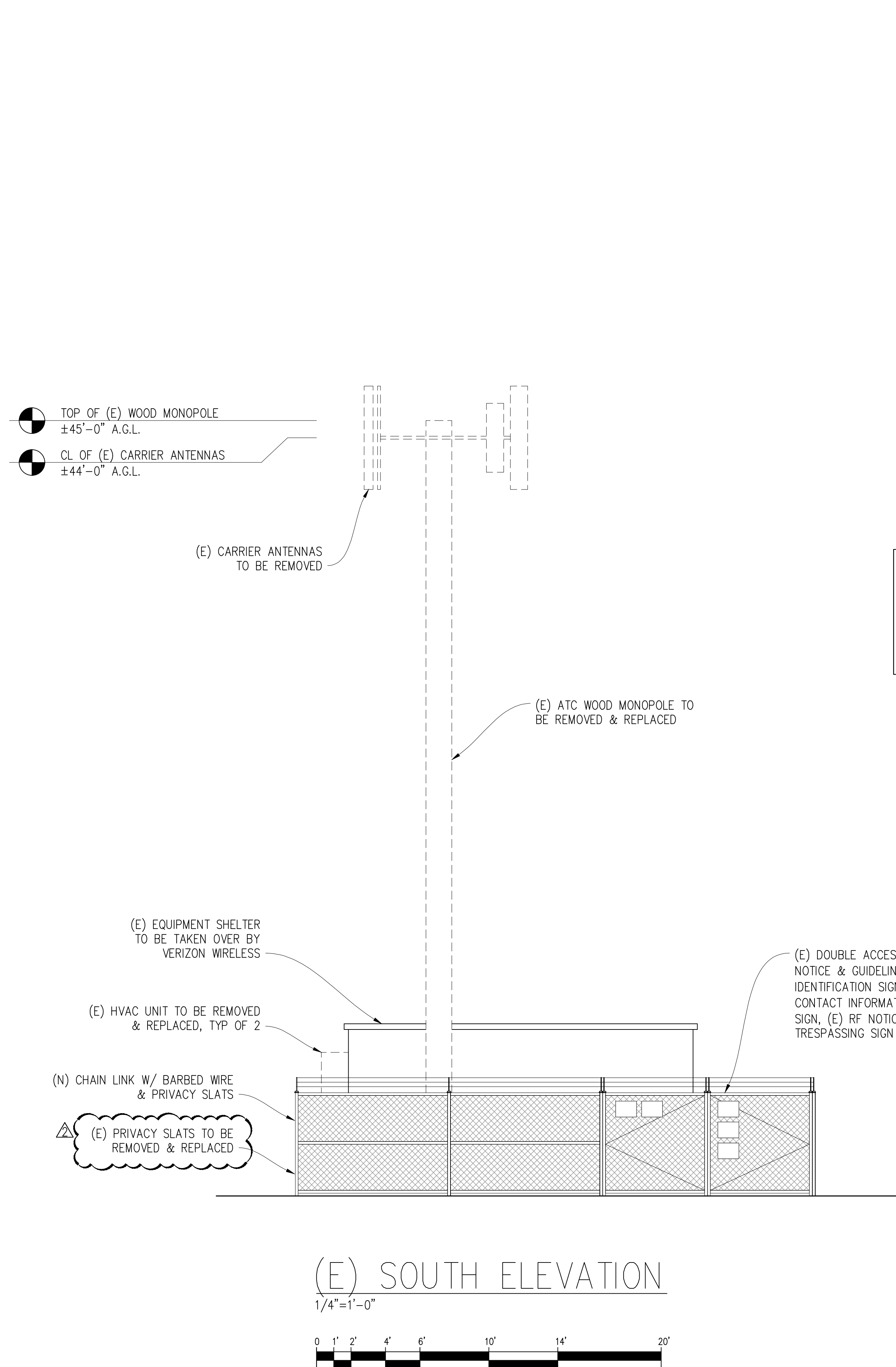
SHEET NUMBER:

A-2.1



ANTENNA PLAN

$$\frac{1}{2}'' = 1' - 0''$$

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PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR

verizon 

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WALNUT CREEK, CA 94598

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MDG LOCATION ID:	5000940687
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[illegible]

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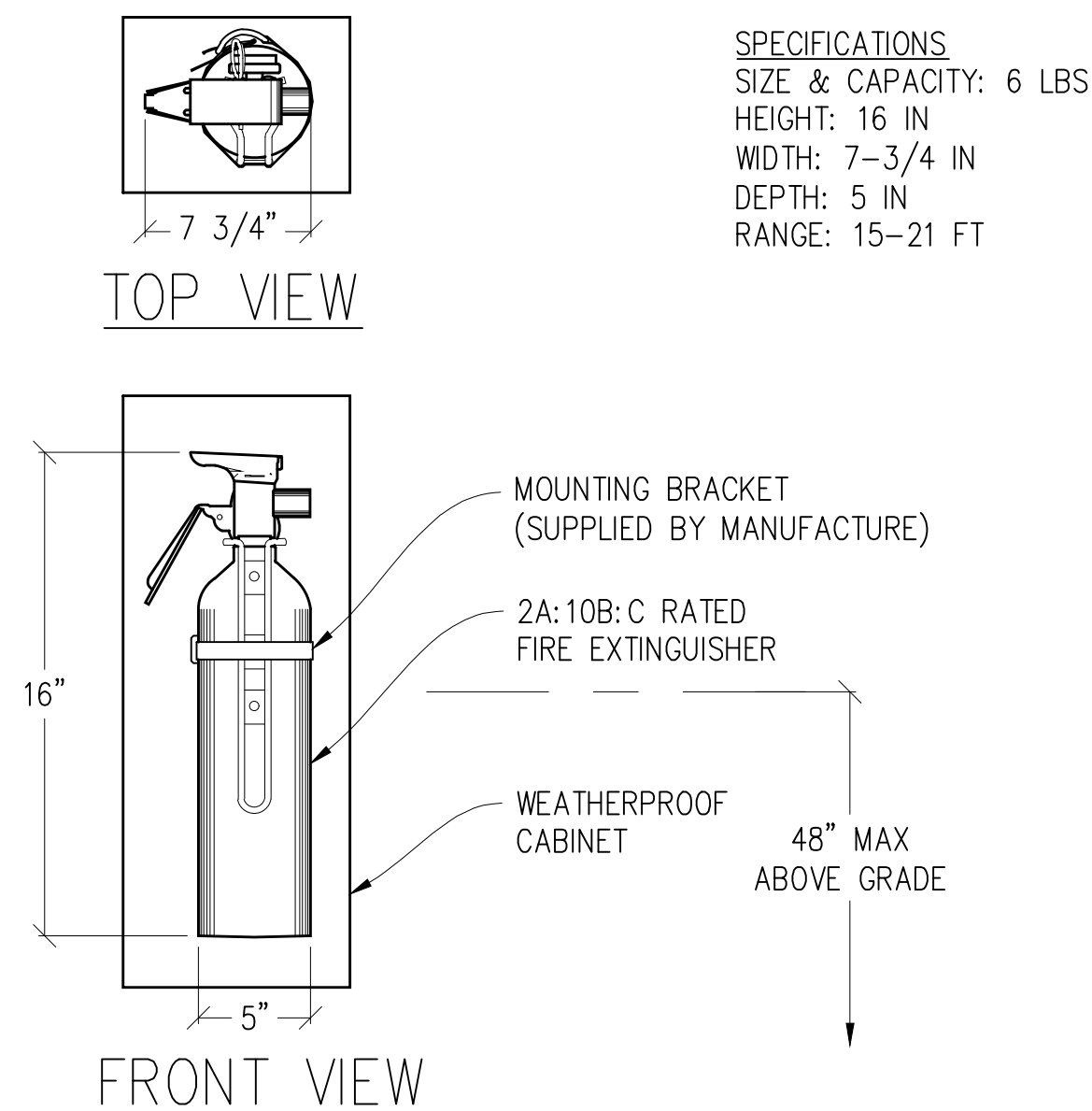
Streamline Engineering

streamdesign, inc.

3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Stream, P.E.
Phone: 916-680-1930
E-Mail: kevin@streamineering.com Fax: 916-680-1941

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SHEET TITLE:
ELEVATIONS
SHEET NUMBER:
A-3.1



1 FIRE EXTINGUISHER DETAIL
N.T.S.

N.T.S.

Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR



2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID: 17120113

DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

[illegible]

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ENGINEER:



SHEET TITLE

DETAILS

SHEET NUMBER:

A-4.2

connect@alpinepowersystems.com
877-993-8855

ALPINE
POWER SYSTEMS
A Division of VTA, Inc. est. 1983

[Click to view product web page](#)

PowerSafe®
SBS Front Terminal

Telecommunications **NEBS™ Certified**

Battery Range Summary

The PowerSafe® SBS® Front Terminal battery further extends the technical leadership of PowerSafe SBS battery product line: not only do PowerSafe SBS Front Terminal monoblocs retain the benefits typically associated with Thin Plate Pure Lead (TPPL) Technology such as long life, high energy density, superior shelf life, etc., they also deliver exceptional cyclic performance in both float and fast charge applications, even in the hottest and harshest operating environments.

Where conventional Valve Regulated Lead Acid (VRLA)/Absorbed Glass Mat (AGM) batteries struggle to cope with harsh conditions and frequent power outages, cutting edge (TPPL) technology makes PowerSafe 12V batteries the perfect solution for the challenging operating conditions of today's telecommunication networks.

PowerSafe SBS batteries are designed to high quality standards and a unique manufacturing methods means superior energy and power, high performance and proven reliability, there is no substitute to PowerSafe SBS Front Terminal batteries.

Features and Benefits

- Capacity range 31-190Ah
- 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- SR4228 compliant
- Proven long service life
- High energy density and cycling capability

EnerSys.
Power/PUL Solutions

RESERVE
POWER

Publication No: US-SESF-RS-004 - January 2014

Construction

- Robust positive plates are designed to prolong service life and enhance corrosion resistance
- Separators are low resistance monograft (AGM). The electrolyte is absorbed within the AGM, preventing acid spills in case of accidental damage
- Container and cover in flame retardant UL94-V0 material, highly resistant to shock and vibration
- Terminals are stainless steel front access with top access copper alloy insert. Top and front access terminations provide maximum conductivity
- Self-regulating one way pressure relief valves prevents ingress of atmospheric oxygen

Installation and Operation

- Space efficient toptop
- VRLA design, reduces maintenance requirements
- Lifting handles for easy handling
- Greater than 10 year life expectancy in float service at 77°F (25°C)
- Increased active material surface area yields great cycling capability
- Operating temperature: -40°F (-40°C) to 122°F (50°C)
Recommended temperature: 68°F (20°C) to 88°F (30°C)

Standards

- Meets criteria for "non-spillable" batteries
- Complies with "Intercord" SR-4228, Network Equipment Building System (NEBS®) Criteria Levels
- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

Cell Type	Nominal Capacity (Ah)		Nominal Dimensions				Weight - Volume							
	10 hr rate to 1.80V pc 25°C	8 hr rate to 1.75V pc 25°C	Length	in	mm	Width	in	mm	Height	in	mm	Unpacked	lbs	kg
SBS B6F	31	31	11.9	303	3.8	97	6.3	162	22.7	10.3				
SBS B10F	38	38	11.9	303	3.8	97	7.2	184	28.2	12.8				
SBS B14F	62	62	11.9	303	3.8	97	10.4	264	43.0	19.1				
SBS C11F	92	91	16.4	417	4.1	105	10.1	256	61.6	28.0				
SBS 100F	100	100	15.6	395	4.3	108	11.3	287	71.9	32.6				
SBS 115F	112	112	22.1	561	4.9	125	9.0	228	90.4	41.1				
SBS 146F	145	145	17.9	455	6.8	173	9.4	238	105.0	47.7				
SBS 166F	165	165	17.9	455	6.8	173	10.8	273	117.4	53.3				
SBS 170F	170	170	22.1	561	4.9	125	11.1	283	115.7	52.5				
SBS 190F	190	190	22.1	561	4.9	125	12.4	315	132.3	60.0				

SBS B6F-B14F

SBS C11F

SBS 100F-112F

SBS 146F-166F

ALPINE
POWER SYSTEMS
A Division of PFL, Inc. est. 1963

connect@alpinepowersystems.com

877-993-8855

Battery Services for Backup Power

- Battery Installation
- Capacity and Acceptance
- Preventative Maintenance

backup power | **telecom** | **motive** power
www.alpinepowersystems.com

NEW BATTERIES

BATTERY TYPE:		ENERSYS POWERSAFE SBS 190F	
NUMBER OF UNITS W/BATTERIES		2	
NUMBER OF BATTERIES :		16	
MATERIAL:	ELECTROLYTE	VOLUME: 2.34 GALLONS	BATTERY TOTAL: 37.44 GALLONS
MATERIAL:	ACID	WEIGHT: 10.1 LBS	BATTERY TOTAL: 161.6 LBS
MATERIAL:	LEAD	WEIGHT: 95.8 LBS	BATTERY TOTAL: 1532.8 LBS
TOTAL KWH:		190AH X 12V X 16 / 1000 = 36.48 KWH	

Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
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DRAWN BY: C. COLSTON

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APPROVED BY: J. SPORE

ISSUE STATUS			
	02/25/26	PLANNING COMMS	T.T.
	12/18/25	PLANNING COMMS	S.V.
4	09/30/25	CLIENT REV	S.T.
3	09/25/25	CLIENT REV	T.T.
2	02/12/24	CD 100%	S.D.
1	02/06/24	CLIENT REV	S.T.
0	01/11/24	CD 90%	C.D.
REV	DATE	DESCRIPTION	CAD

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ENGINEER:



Streamline Engineering

and Design, Inc.

3843 Taylor Road, Suite A, Loomis, CA 95650
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 E-Mail: kevin@streamlineeng.com Fax: 916-680-1941

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SHEET TITLE:

BATTERY SPECIFICATIONS

SHEET NUMBER:

A-5.1

SD050 | 3.3L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

Standby Power Rating
50 kW, 63 kVA, 60 Hz

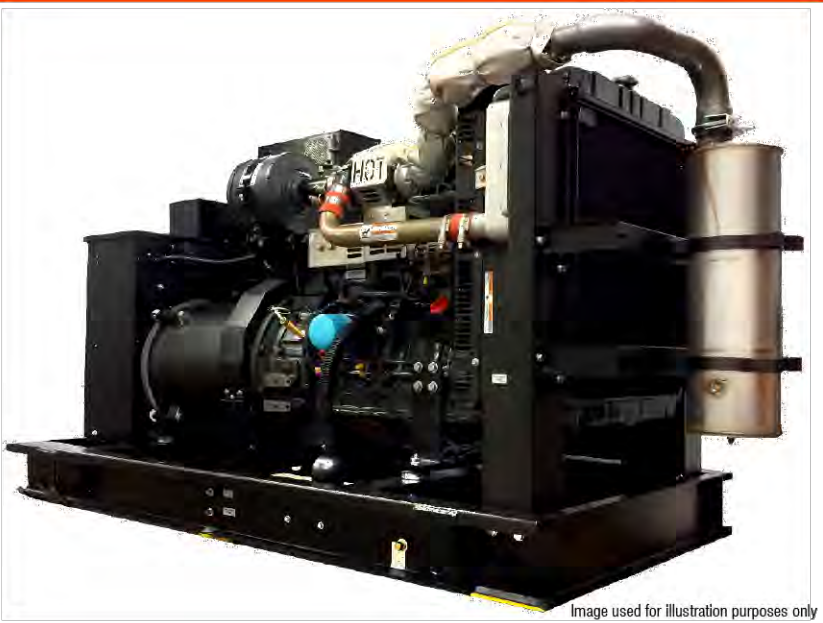
Prime Power Rating
45 kW, 56 kVA, 60 Hz



Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

	UL2200, UL6200, UL1236, UL489, UL142
	CSA C22.2, ULC S601
	BS5514 and DIN 6271
	SAE J1349
	NFPA 37, 70, 99, 110
	NEC700, 701, 702, 708
	ISO 3046, 7637, 8528, 9001
	NEMA ICS10, MG1, 250, ICS6, AB1
	ANSI C62.41
	IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)



Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SPEC SHEET
1 of 6

SD050 | 3.3L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Exhaust Silencer (Enclosed Units Only)

FUEL SYSTEM

- Fuel Lockoff Solenoid
- Primary Fuel Filter

COOLING SYSTEM

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze
- 120 VAC Coolant Heater

ELECTRICAL SYSTEM

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- 12 Leads (3-Phase, Non 600V)
- Class II Insulation Material
- Vented Rotor
- 2/3 Pitch
- Skewed Stator
- Auxiliary Voltage Regulator Power Winding
- Brushless Excitation
- Sealed Bearing
- Automated Manufacturing (Winding, Insemination, Lacing, Vanshling)
- Rotor Dynamically Spin Balanced
- Amortisseur Winding
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Units Only)
- Silencer of Heat Shield

ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

FUEL TANKS (If Selected)

- UL 142/ULC 5601
- Double Wall Construction
- Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested (2 psi)
- Rupture Basin Alarm
- Electronic and Visual Fuel Level Indication
- Check Valve in Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Digital H Control Panel - Dual 4x20 Display

Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isosynchronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

SPEC SHEET
2 of 6

SD050 | 3.3L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Make-Up System
- Oil Heater
- Industrial Exhaust Silencer (Open Set)
- Two-Stage Air Cleaner

FUEL SYSTEM

- Flexible Fuel Lines
- Primary Fuel Filter

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- Extended Factory Testing (3-Phase Only)
- 8 Position Load Center

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Fluid Containment Pan
- Block Heaters

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- Level 2 Sound Attenuated with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Door Open Alarm Switch
- Enclosure Heater (with Motorized Dampers Only)

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Sender with Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- Remote Communication - Modern
- 10A Engine Run Relay
- Ground Fault Annunciator

FUEL TANKS (Size On Last Page)

- Electric Fuel Level
- Mechanical Fuel Level
- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- 19 in (482.6 mm) Fill Extension

ALTERNATOR SYSTEM

- 3rd Breaker System

GENERATOR SET

- Special Testing
- IBC Seismic Certification

FUEL TANKS

- Overflow Protection Valve
- UL2085 Tank
- Stainless Steel Tanks
- Special Fuel Tanks (MIDEQ and FL DEP/DERM, etc.)
- Vent Extensions

SPEC SHEET
3 of 6

SD050 | 3.3L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

APPLICATION AND ENGINEERING DATA

GENERAL SPECIFICATIONS

Make	Mitsubishi
Cylinder #	4
Type	In-Line
Displacement - in ³ (L)	203.3 (3.331)
Bore - in (mm)	3.7 (94)
Stroke - in (mm)	4.72 (120)
Compression Ratio	19:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	Cast Iron
Ignition	CI
Piston Type	Aluminum
Governor	Electronic (Isosynchronous)
Frequency Regulation (Steady State)	±0.25%
Lubrication System	
Oil Pump Type	Gear
Oil Filter Type	Full Flow Cartridge
Crankcase Capacity - qt (L)	11.2 (10.6)

Cooling System Type	Closed Recovery
Fan Type	Pusher
Fan Speed - RPM	2,340
Fan Diameter - in (mm)	20 (508)

Fuel System	
Compression Ratio	19:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	Cast Iron
Ignition	CI
Piston Type	Aluminum

Engine Electrical System	
System Voltage	12 VDC
Battery Charger Alternator	50 A
Battery Size	See Battery Index 01619705BY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	K0050124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	< 5% (3-Phase Only)
Telephone Interference Factor (TIF)	< 50

Standard Excitation	Synchronous Brushless
Bearings	Sealed Ball
Coupling	Direct via Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

SPEC SHEET
4 of 6

SD050 | 3.3L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

OPERATING DATA

POWER RATINGS

Standby			
Single-Phase 120/240 VAC @1.0pf	50 kW/50 kVA	Amps: 208	
Three-Phase 120/208 VAC @0.8pf	50 kW/53 kVA	Amps: 174	
Three-Phase 120/240 VAC @0.8pf	50 kW/53 kVA	Amps: 151	
Three-Phase 277/480 VAC @0.8pf	50 kW/53 kVA	Amps: 75	
Three-Phase 345/600 VAC @0.8pf	50 kW/53 kVA	Amps: 60	

MOTOR STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip			
120/240 VAC 1Ø	3Ø	277/480 VAC 3Ø	3Ø
A0050044N21	31	K0050124Y21	98
A0060044N21	40	K0060124Y21	124
		K0060124Y21	75

FUEL CONSUMPTION RATES*

Diesel - gph (Lph)			
Fuel Pump Lift - ft (m)		Percent Load	Standby
4.5 (1.4)		25%	1.2 (4.5)
		50%	2.3 (8.7)
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)		75%	3.4 (12.6)
3.57 (13.51)		100%	4.5 (17.0)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

Standby		
Air Flow (Fan Air Flow Across Radiator) - Open Set	cfm (m ³ /hr)	2,500 (70.8)
Coolant Flow	gpm (Lpm)	34.0 (128.7)
Coolant System Capacity	gal (L)	3.0 (11.4)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 01982705SD	
Maximum Additional Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.1)

COMBUSTION AIR REQUIREMENTS

Standby			
Flow at Rated Power - cfm (m ³ /min)		EXHAUST	
90 (2.5)		Standby	
Rated Engine Speed	RPM	Exhaust Flow (Rated Output)	cfm (m ³ /min)
Horsepower at Rated kW**	hp	Maximum Allowable Backpressure (Post Silencer)	inHg (kPa)
Port Speed	ft/min (m/min)	Exhaust Temperature (Rated Output)	°F (°C)
BMEP	psi (kPa)		

** Refer to "Emissions Data Sheet" for maximum BHP for EPA and SCAQM permitting purposes.

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 0187500SS8

SPEC SHEET
5 of 6

SD050 | 3.3L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

DIMENSIONS AND WEIGHTS*

OPEN SET			
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	78.0 (1,990) x 37.4 (950) x 45.2 (1,146)	1,705 - 1,826 (801 - 834)
12	54 (204)	78.0 (1,990) x 37.4 (950) x 55.2 (1,403)	2,254 - 2,327 (1,019 - 1,062)
29	132 (500)	78.0 (1,990) x 37.4 (950) x 70.2 (1,783)	2,475 - 2,548 (1,123 - 1,156)
42	190 (719)	106.0 (2,692) x 37.4 (950) x 71.2 (1,808)	2,689 - 2,762 (1,221 - 1,254)
46	211 (799)	78.0 (1,990) x 37.4 (950) x 82.2 (2,088)	2,884 - 2,957 (1,218 - 1,251)
66	300 (1,136)	92.9 (2,360) x 37.4 (950) x 85.7 (2,177)	2,747 - 2,820 (1,246 - 1,279)

WEATHER PROTECTED ENCLOSURE			
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	94.8 (2,408) x 38.0 (965) x 49.5 (1,257)	Enclosure Only
12	54 (204)	94.8 (2,408) x 38.0 (965) x 62.5 (1,588)	Steel
29	132 (500)	94.8 (2,408) x 38.0 (965) x 74.5 (1,882)	Aluminum
42	190 (719)	106.0 (2,692) x 38.0 (965) x 75.5 (1,917)	
46	211 (799)	94.8 (2,408) x 38.0 (965) x 86.5 (2,197)	
66	300 (1,136)	94.8 (2,408) x 38.0 (965) x 90.0 (2,286)	

LEVEL 1 SOUND ATTENUATED ENCLOSURE			
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	112.5 (2,858) x 38.0 (965) x 49.5 (1,257)	Enclosure Only
12	54 (204)	112.5 (2,858) x 38.0 (965) x 62.5 (1,588)	Steel
29	132 (500)	112.5 (2,858) x 38.0 (965) x 74.5 (1,882)	Aluminum
42	190 (719)	112.5 (2,858) x 38.0 (965) x 75.5 (1,917)	
46	211 (799)	112.5 (2,858) x 38.0 (965) x 86.5 (2,197)	
66	300 (1,136)	112.5 (2,858) x 38.0 (965) x 90.0 (2,286)	

LEVEL 2 SOUND ATTENUATED ENCLOSURE			
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	94.8 (2,408) x 38.0 (965) x 61.9 (1,572)	Enclosure Only
12	54 (204)	94.8 (2,408) x 38.0 (965) x 74.9 (1,903)	Steel
29	132 (500)	94.8 (2,408) x 38.0 (965) x 86.9 (2,207)	Aluminum
42	190 (719)	106.0 (2,692) x 38.0 (965) x 87.9 (2,232)	
46	211 (799)	94.8 (2,408) x 38.0 (965) x 98.9 (2,517)	
66	300 (1,136)	94.8 (2,408) x 38.0 (965) x 102.4 (2,601)	

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

Generac Power Systems, Inc. | P.O. Box 8 | Waukesha, WI 53189
P: (252) 544-4811 62021 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.

Part No. A0001193904
Rev. A 01/18/2021

SPEC SHEET
6 of 6

Issued For:

**PLACERVILLE
SHERIFF**

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

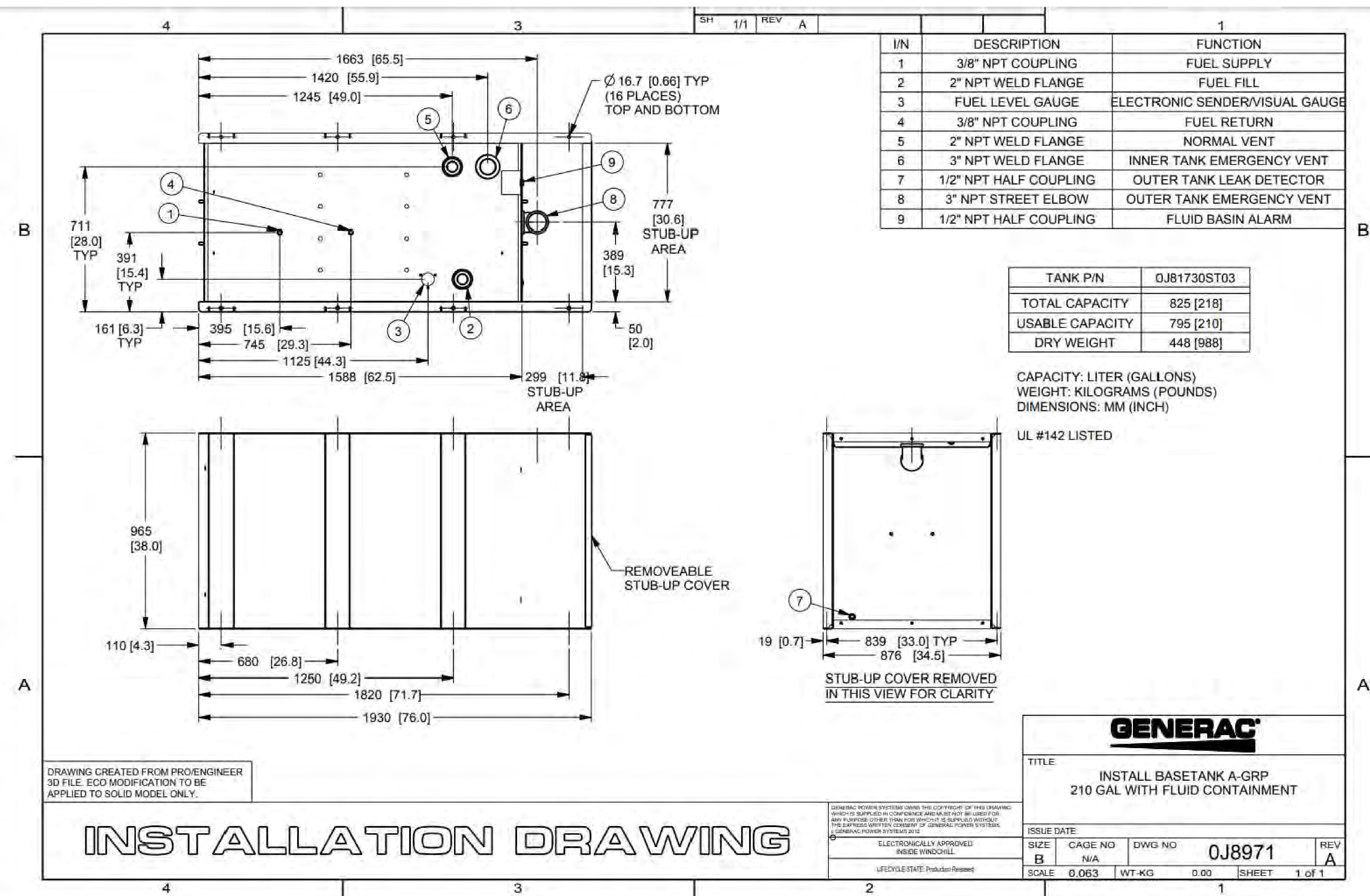
Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687



A-5.3



Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR



2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID: 17120113

DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

	02/25/26	PLANNING COMMS	T.T.
	12/18/25	PLANNING COMMS	S.V.
4	09/30/25	CLIENT REV	S.V.
3	09/25/25	CLIENT REV	T.T.
2	02/12/24	CD 100%	D.D.
1	02/06/24	CLIENT REV	S.D.
0	01/11/24	CD 90%	C.T.
REV	DATE	DESCRIPTION	

Licensee:



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ENGINEER, TO ALTER THIS DOCUMENT.

ENGINEER:



SHEET TITLE:

GENERATOR SPECIFICATIONS

SHEET NUMBER:

A-5.4

Clay & Bailey Mfg. Co.



366 Female Thread High Flow Emergency Vent for Aboveground Storage Tanks



366 HF

Features:

All Aluminum Construction is lightweight for easy handling and installation. Also, no rust issues from scratches or weathering. Buna-N O Ring provides a vapor resistant seal. Spring Actuated Vent assures accurate opening pressure. Pressure relief set at <0.5 PSI. Clay & Bailey vents can be used in a variety of Aboveground Storage Tank Equipment installations where reliable fuel handling petroleum equipment is required.

Part #	Size	Weight /lbs.	Size	W/Screen	W/O Screen
0366-03-30HF	3"	3	3"	66,400 SCFH	71,750 SCFH
0366-03-40HF	4"	4	4"	114,800 SCFH	118,750 SCFH
0366-03-50HF	5"	5	5"	184,500 SCFH	200,250 SCFH
0366-03-60HF	6"	6	6"	237,000 SCFH	251,700 SCFH
0366-03-80HF	8"	7	8"	500,552 SCFH	531,289 SCFH



Clay & Bailey emergency vents comply with various codes – Petroleum Equipment Institute PEI RP200; Underwriters Laboratories Inc. UL-142, UL-2085, UL-2244, UL-2583; Underwriters Laboratories of Canada ULC-S601; National Fire Protection Agency NFPA 30, NFPA 30A; American Petroleum Institute API 2000.

Patent # 8171955

10/2018

6401 E. 40th St., Kansas City, Mo. 64129 • 1-800-821-6583 • F: 816-924-3903 • www.claybailey.com

Clay & Bailey Mfg. Co.



401 Mushroom Vent



Features:

Mushroom style free flow vent is made of cast iron with a 8 mesh galvanized screen. Domed vent top prevents tank contamination from entering vent lines. NPT thread is standard. Also available in galvanized. (Shown)

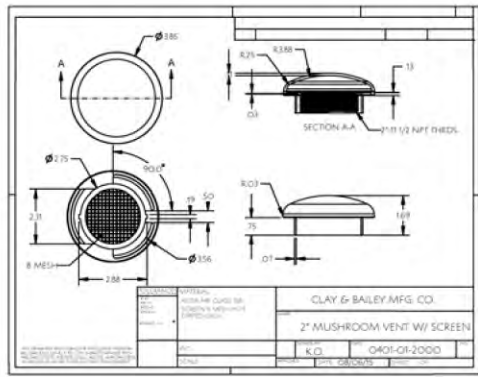
401

Cast Iron Black

Part No.	Size	lbs	SCFH@ 2.5psi	A	B
0401-01-0750	3/4"	0.3	4,894	3/4"	1"
0401-01-1000	1"	0.5	8,711	1"	1 1/8"
0401-01-1250	1 1/4"	0.6	13,616	1 1/4"	1 1/2"
0401-01-1500	1 1/2"	0.7	19,532	1 1/2"	1 9/16"
0401-01-2000	2"	1.1	38,846	2"	1 11/16"
0401-01-4000	4"	2.5	54,873	4"	3"

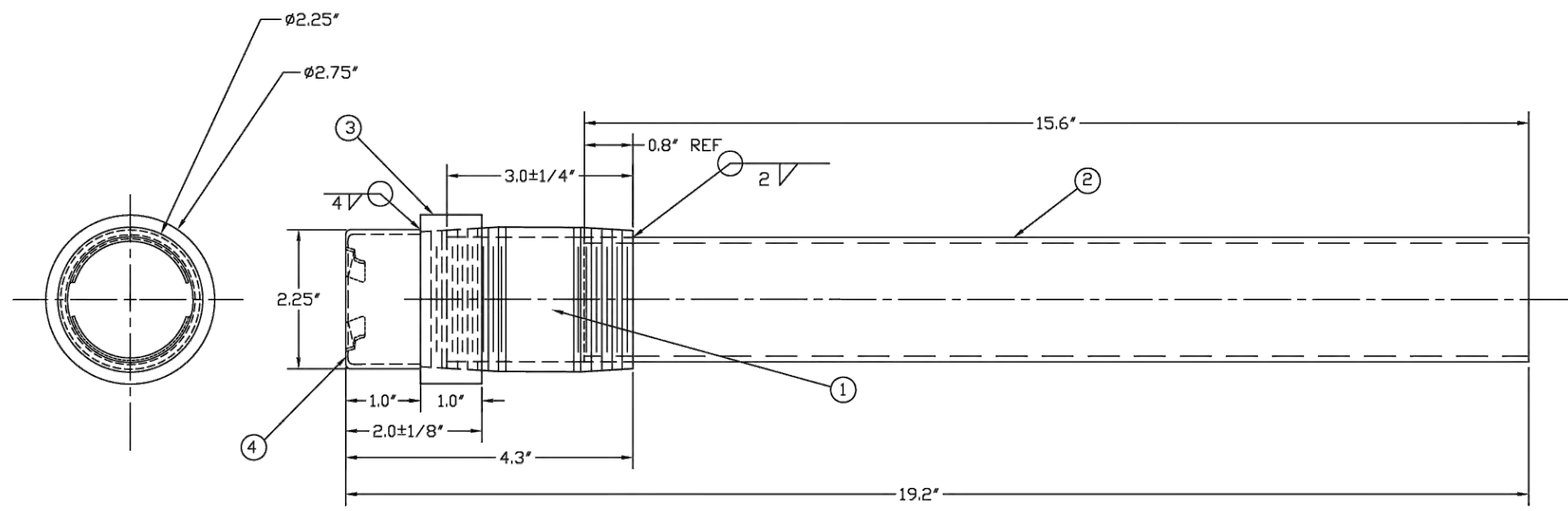
Galvanized

Part No.	Size	lbs	2.5psi	A	B
0401-10-0750	3/4"	0.3	4,894	3/4"	1"
0401-10-1000	1"	0.5	8,711	1"	1 1/8"
0401-10-1250	1 1/4"	0.6	13,616	1 1/4"	1 1/2"
0401-10-1500	1 1/2"	0.7	19,532	1 1/2"	1 9/16"
0401-10-2000	2"	1.1	38,846	2"	1 11/16"
0401-10-4000	4"	2.5	54,873	4"	3"



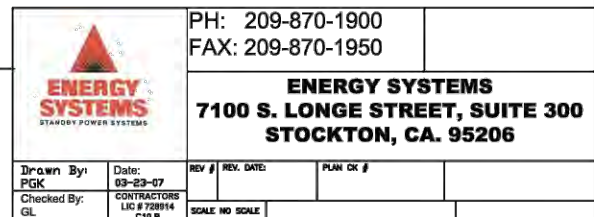
6401 E. 40th St., Kansas City, Mo. 64129 • 1-800-821-6583 • F: 816-924-3903 • www.claybailey.com

NOTE:
FILL PIPE SHALL TERMINATE WITHIN 6" OF TANK BOTTOM



NOTE:
THREADS MUST BE FREE OF WELD

FUEL FILL NECK 376 MM [14.8"] IN TANK



DO NOT SCALE
ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
ALL ANGLES ARE 90°

096500

REVISIONS TO INCLUDE EAGLE BORDER

1/26/2001 - A -
9/2/00 - B -
4/28/03 F-9937-C -

INSTALLATION NOTE: TIGHTEN TO ONE TURN PAST HAND TIGHT.
LEAK DETECTOR MUST BE INSTALLED IN THE NORMALLY OPEN (N.O.) POSITION AS SHOWN FOR IT TO FUNCTION CORRECTLY IN GENERAC'S UL TANK SECONDARY CONTAINMENT LEAK DETECTION APPLICATION. OVER TIGHTENING WILL RESULT IN DAMAGE TO THE LEAK DETECTOR AND IMPROPER OPERATION.

#22 AWG LEAD WIRES
610MM EXTENSION
108 REF
15.9 REF
12.7 REF
Ø17.5 REF
31.8 TOTAL SWING
73 REF
5/8" WRENCH ACROSS FLATS
1/2" NPT
CONTACT

SPEC:
MATERIAL: NYLON
MOUNTING ATTITUDE: HORIZONTAL
OPERATING TEMPERATURE: -40°F TO 250°F (-40°C TO 121.1°C)
MAX. OPERATING PRESSURE: 100 PSIG AT 70°F
THIS SWITCH IS U.L. RECOGNIZED - FILE #E45168, CSA LISTED - 30200
CONTACT RATING: 17 AMP, 120V, 60 Hz, RESISTIVE
08 AMP, 240V, 60 Hz, RESISTIVE
20 VA PILOT DUTY
DC ELEC. RATING: 3 AMP MAX @30 VDC

FUEL ALARM, LEAK DETECTOR

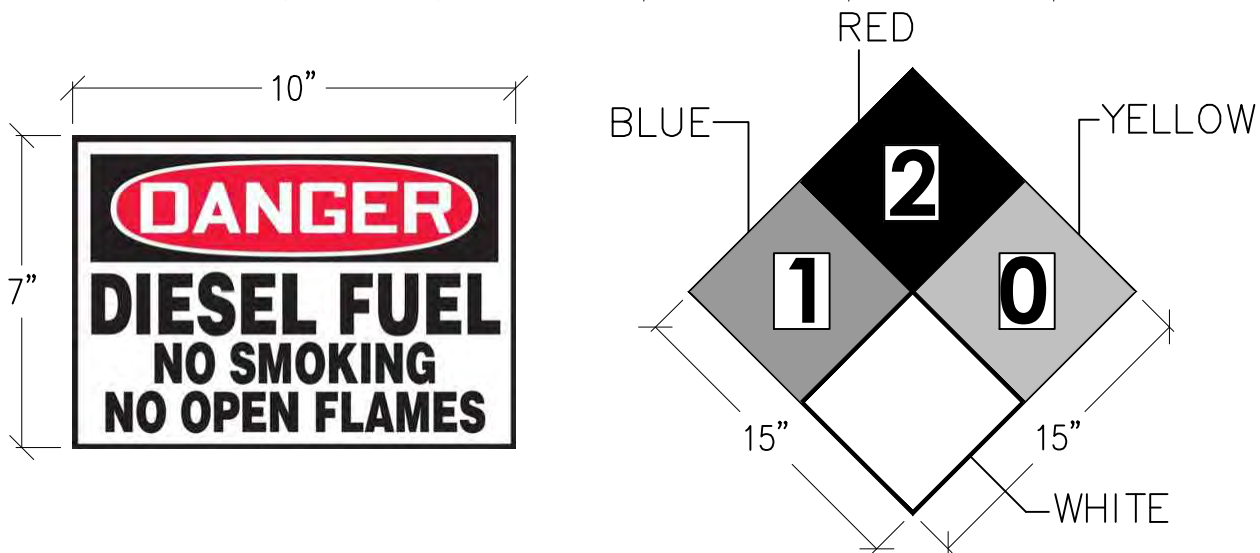
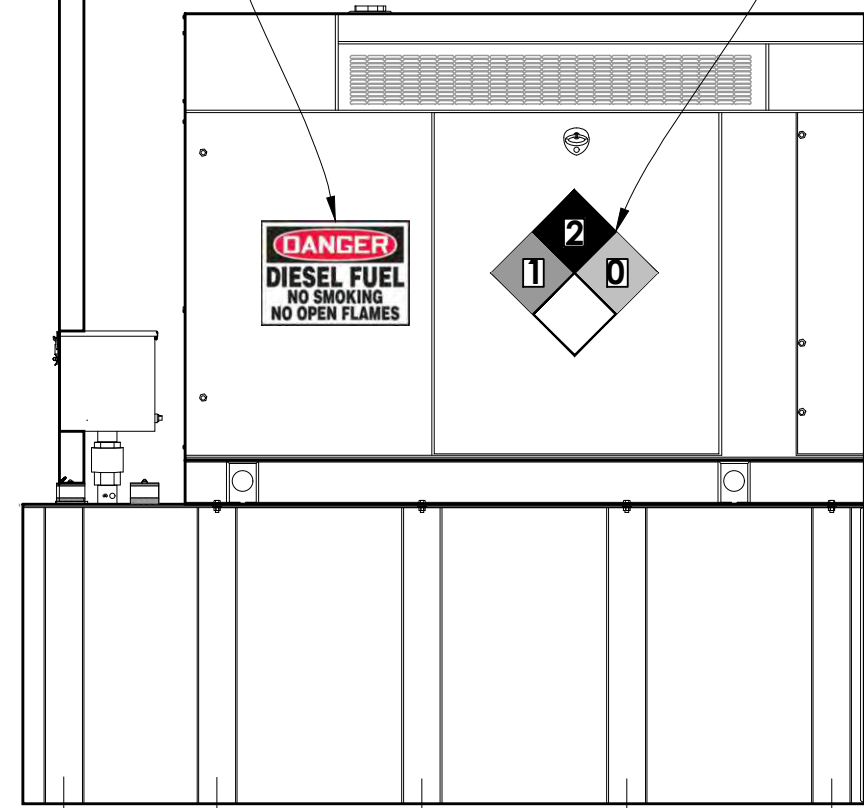
GENERAC POWER SYSTEMS
Eagle
P.O. BOX 9
VALKESHA, WIS. 53187

FILE NAME: 096500-C.DWG
SCALE: 1 = 1
FIRST USE: UL TANKS
REV: C

DATE: 3/13/95
DATE: 1/5/01
DATE: 1/5/01

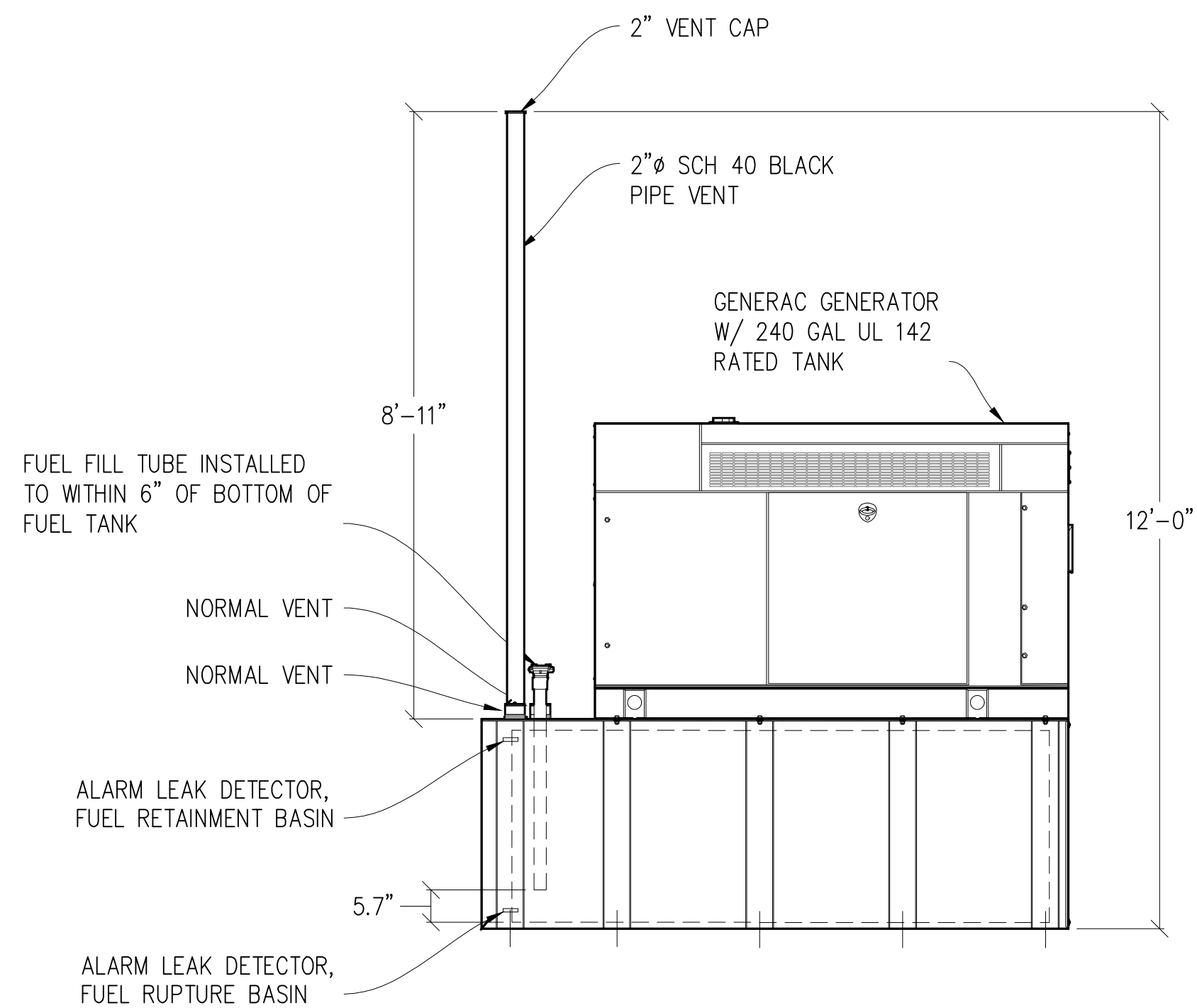
RELEASED FOR PRODUCTION BY: P. FORSYTHE

SIGNS POSTED EACH APPROACH
FACE OF GENERATOR



- NOTE:
- LETTERS SHALL BE A MINIMUM OF 3" IN HEIGHT
 - SIGN TO BE PLACED ON ALL SIDES OF GENERATOR
 - 10"x14" ALUMINUM NO SMOKING SIGN

1 GENERATOR SAFETY SIGNAGE NOT TO SCALE



2 GENERATOR VENT & FILL DETAIL 1/2" = 1'-0"

Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID: 17120113

DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
0	02/25/26	PLANNING COMMS	T.T.
1	12/18/25	PLANNING COMMS	S.V.
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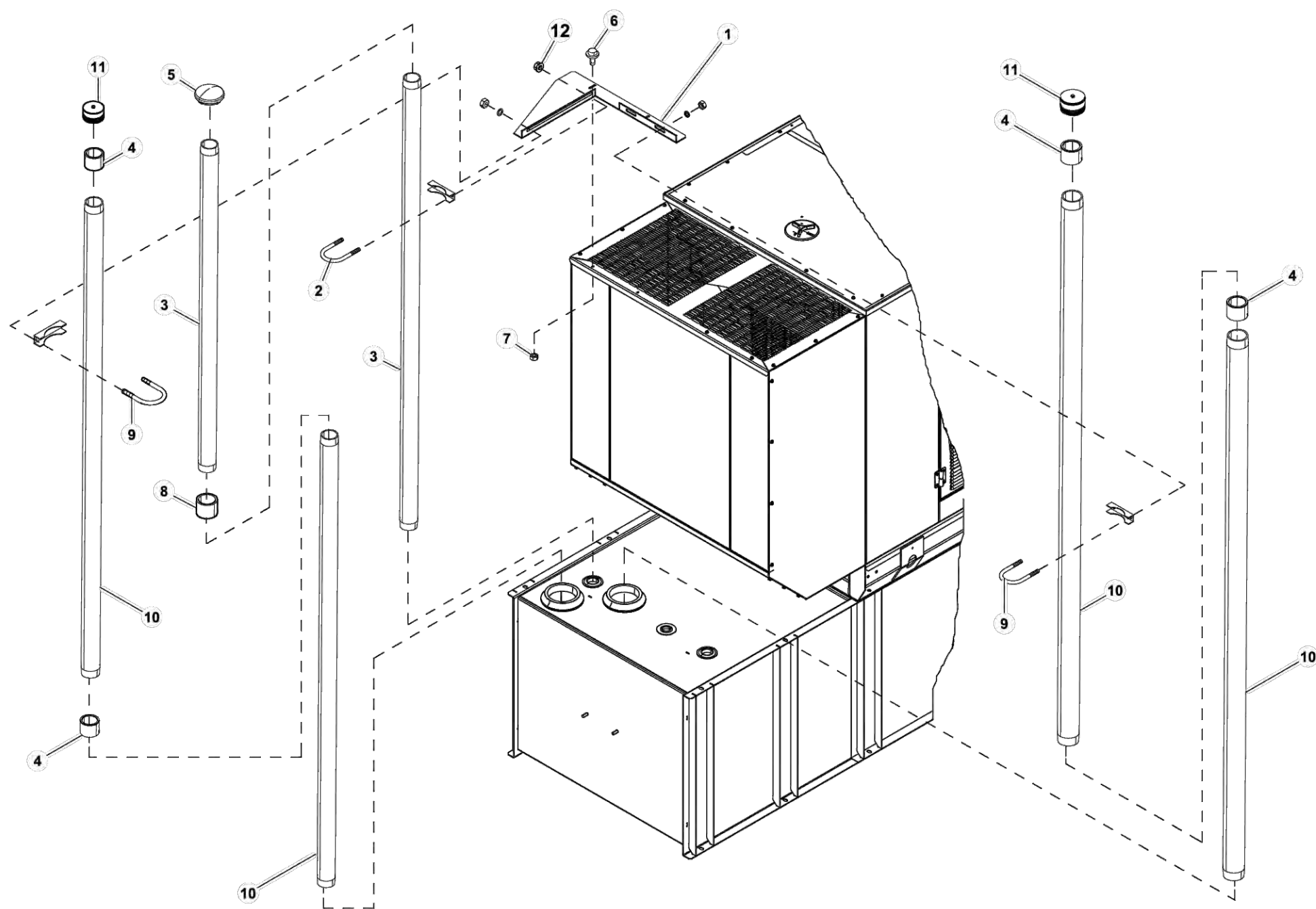


SHEET TITLE:

**GENERATOR
SPECIFICATIONS**

SHEET NUMBER:

A-5.5



Revision : CN-0019649-W
Date : 9/4/18

Page 1 of 2

Exploded View : EV VENT EXT AGRP 2"3 ATT
Drawing No. : 0K9817A

GROUP H

EXPLODED VIEW: EV VENT EXT AGRP 2"3 ATT
DRAWING #:0K9817A

GROUP H

ITEM	PART#	QTY.	DESCRIPTION
(11)	003038Y8TOR	1	BRACKET VENT EXT AGRP 2"3 ATT
2	OC7947	1	KIT, SADDLE AND BOLT 2 1/2"
2	OC3545	2	PIPE 2"VENT EXTENSION 72LG
4	10000016676	4	COUPLING PIPE 3 2INC
4	G021178	4	VENT GEM 2"
6	OC2454B	6	SCREW WHHT M6-1 X 30 W/MS
7	G049813	2	NUT HEX M6-10 G8 CLEAR ZINC
8	085640B	2	COUPLING FULL 2-11 S BLACK
9	E04264	2	BOLT U 3/8-16 X 3.50" W/SADDLE
10	0H1454	4	PIPE NIPPLE 3"X72 SCH40 PNTBK
11	07286D	1	VENT CAP EMERG 3"PT
12	G604101	2	NUT HEX FL WHZ 3/8-16

NOTES (UNLESS OTHERWISE SPECIFIED)

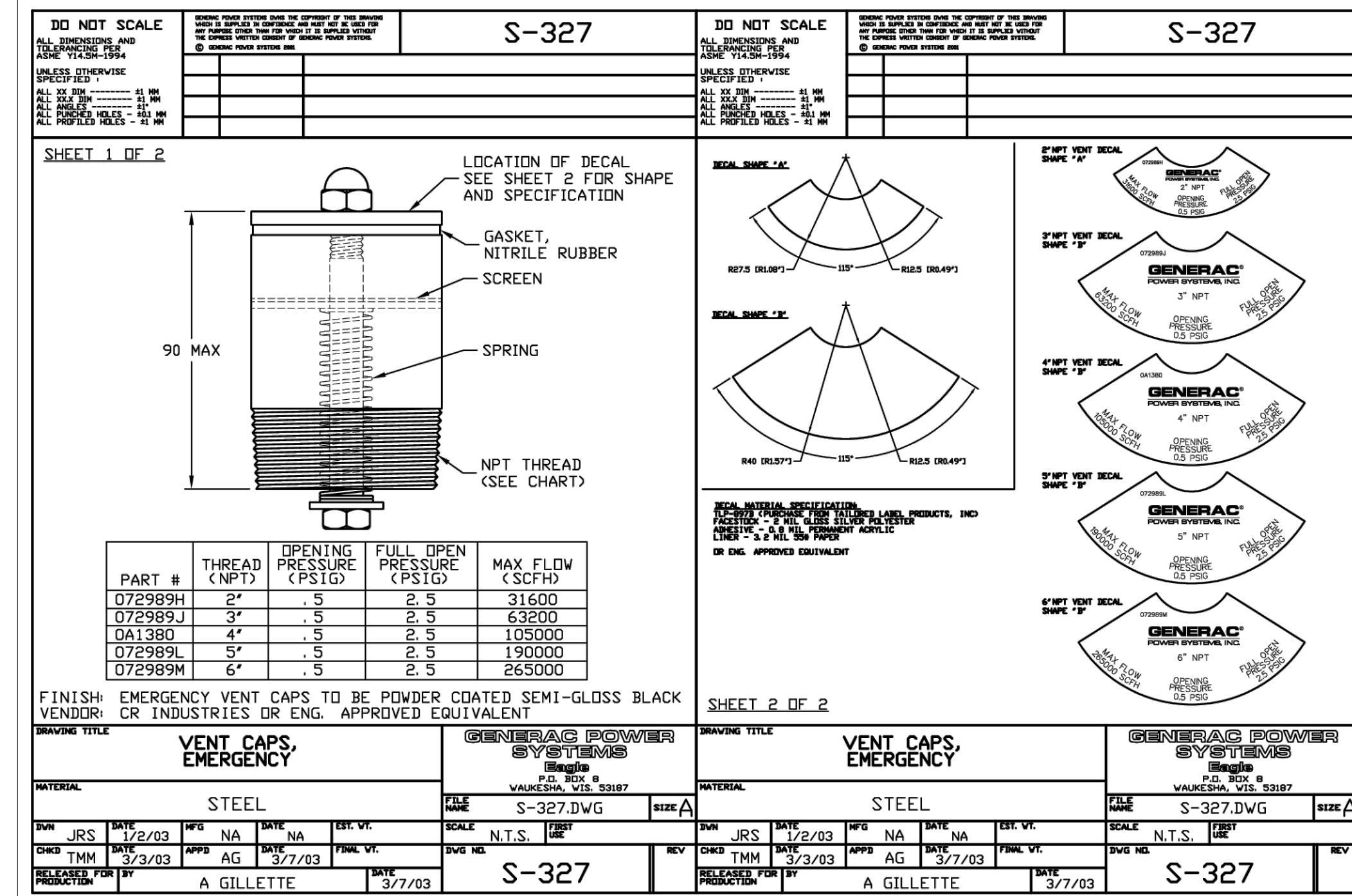
(1) SHEET METAL PARTS LISTED IN THE BOM TABLE ARE REPRESENTING CENERIC PARTS (NO COLOR).

* MANUFACTURING: FOR CORRECT MATERIAL AND COLOR REFER TO A5400 BOM.

* CUSTOMER: WHEN ORDERING REPLACEMENT PARTS, ENTER BASE NUMBER (FIRST 6 DIGITS ONLY) IN THE SYSTEM FOR CORRECT MATERIAL AND COLOR. (FOR REFERENCE SEE GUIDELINE 0H7169).

REVISION: CN-0019649-W
DATE: 9/5/18

Page 2 of 2



Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR



2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID:	17120113
-------------	----------

DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

A	02/25/26	PLANNING COMMS	T.
A	12/18/25	PLANNING COMMS	S.
4	03/30/25	CLIENT REV	T.
	09/25/25	CLIENT REV	T.
2	02/12/24	CD 100%	S.
1	02/06/24	CLIENT REV	C.T.
0	01/11/24	CD 90%	S.F.
REV	DATE	DESCRIPTION	CA

Licensee:



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ENGINEER

Streamline Engineering

and Design, Inc.

3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-680-1930
E-Mail: kevin@streamlineeng.com Fax: 916-680-1941

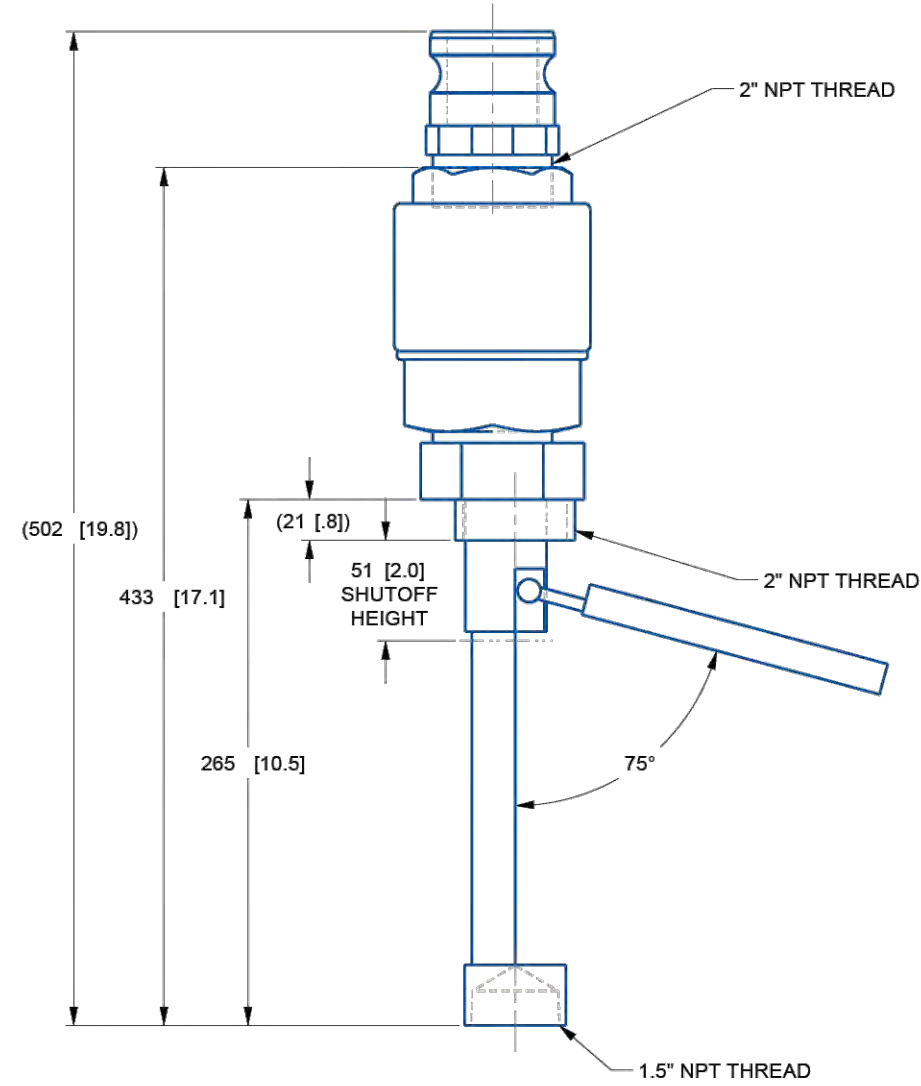
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SHEET TITLE:

GENERATOR SPECIFICATIONS

SHEET NUMBER:

A-5.6



NOTE:
1. MORRISON BROTHERS PART NUMBER 9095DS-0200 AV.
2. DIMENSIONS ARE IN MILLIMETERS [INCHES].

[illegible]

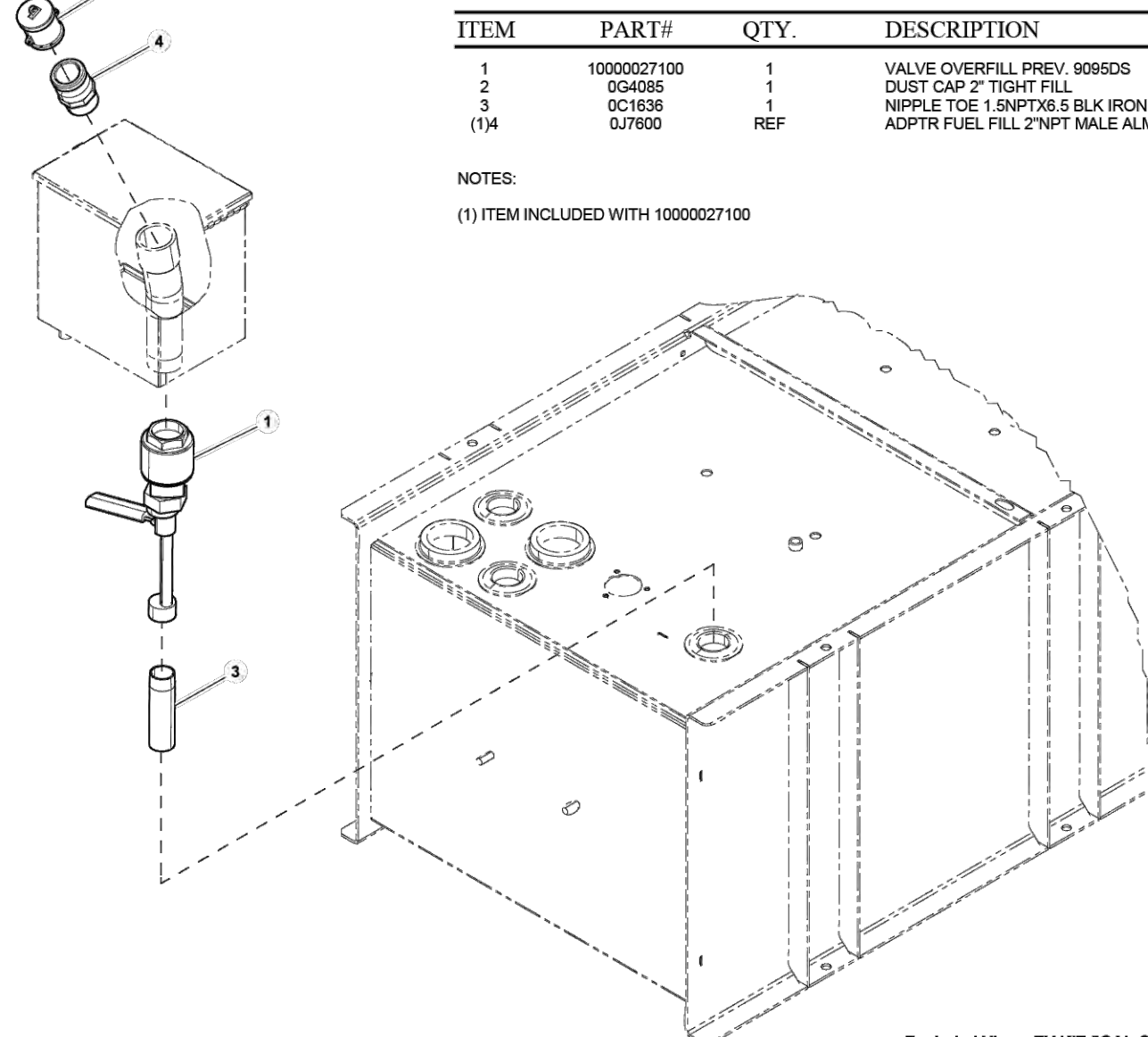
EXPLODED VIEW: EV KIT 5GAL OPV W/DROP TUBE 2FT
DRAWING #: 10000027286

GROUP H

ITEM	PART#	QTY.	DESCRIPTION
1	10000027100	1	VALVE OVERFILL PREV. 9095DS
2	0G4085	1	DUST CAP 2" TIGHT FILL
3	0C1836	1	NIPPLE TOE 1.5NPTX8.5 BLK IRON
(1)4	0J7600	REF	ADPTR FUEL FILL 2"NPT MALE ALM

NOTES:

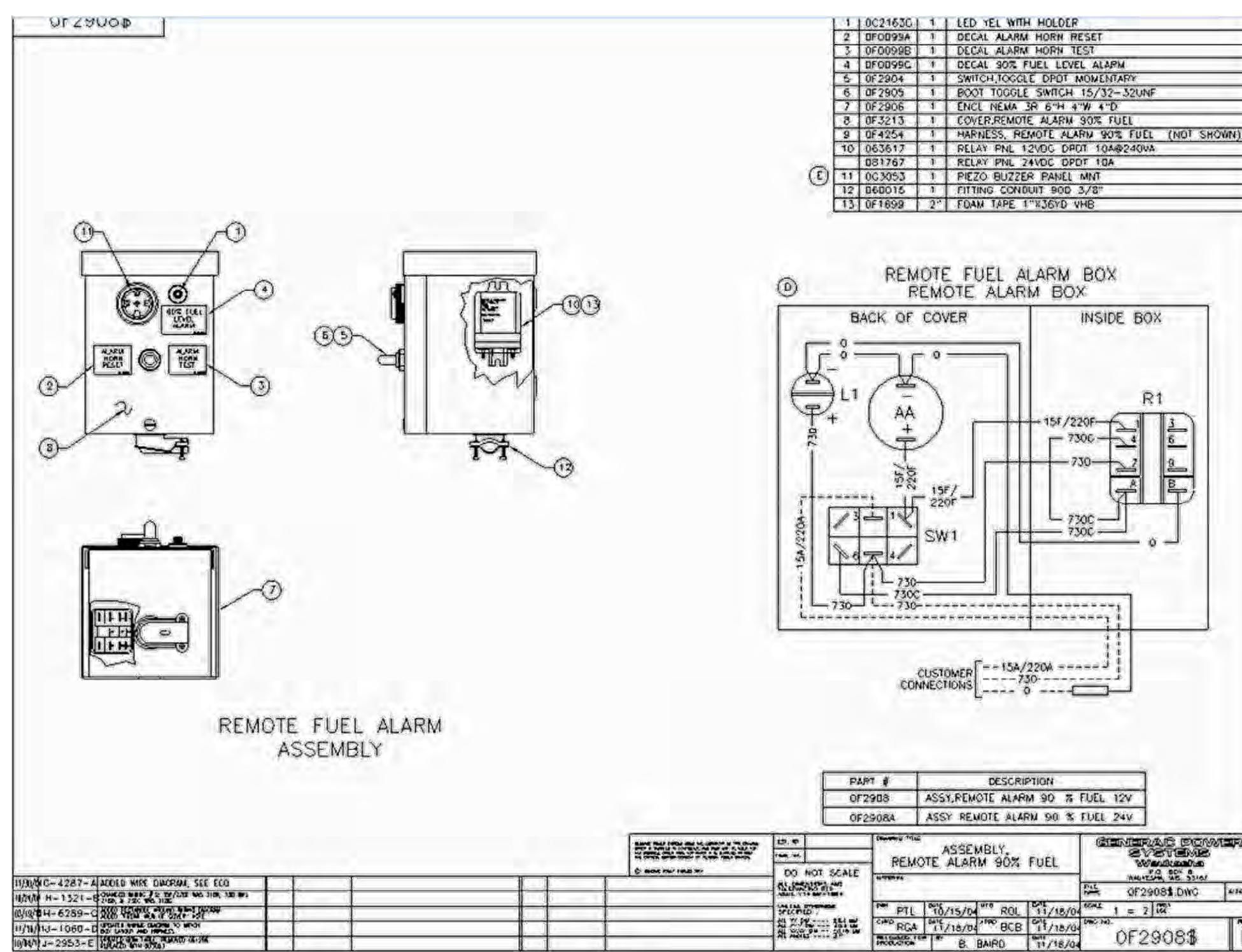
(1) ITEM INCLUDED WITH 10000027100



Revision : - A -
Date : 12/04/17

Page 1 of 2

Exploded View : EV KIT 5GAL OPV W/ DROP TUBE 2FT
Drawing No. : 10000027286



Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

verizon✓
2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

MDG LOCATION ID:	5000940687
PROJECT ID:	17120113
DRAWN BY:	C. COLSTON
CHECKED BY:	S. SAVIG
APPROVED BY:	J. SPORE

Licensee:



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ENGINEER:

Streamline Engineering

and Design, Inc.

3943 Taylor Road, Suite A, Lompis, CA 95650
Contact: Kevin Strassen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

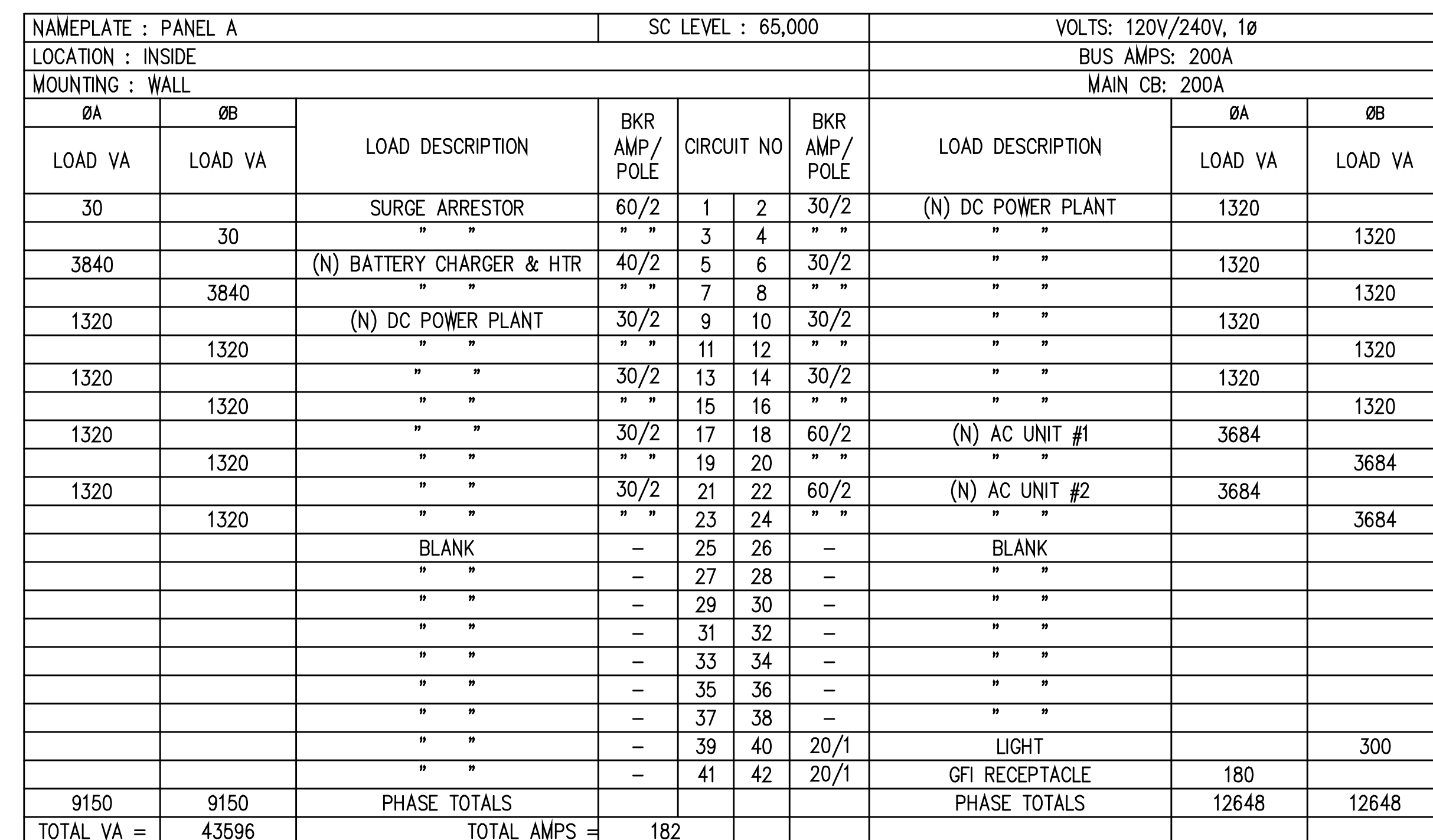
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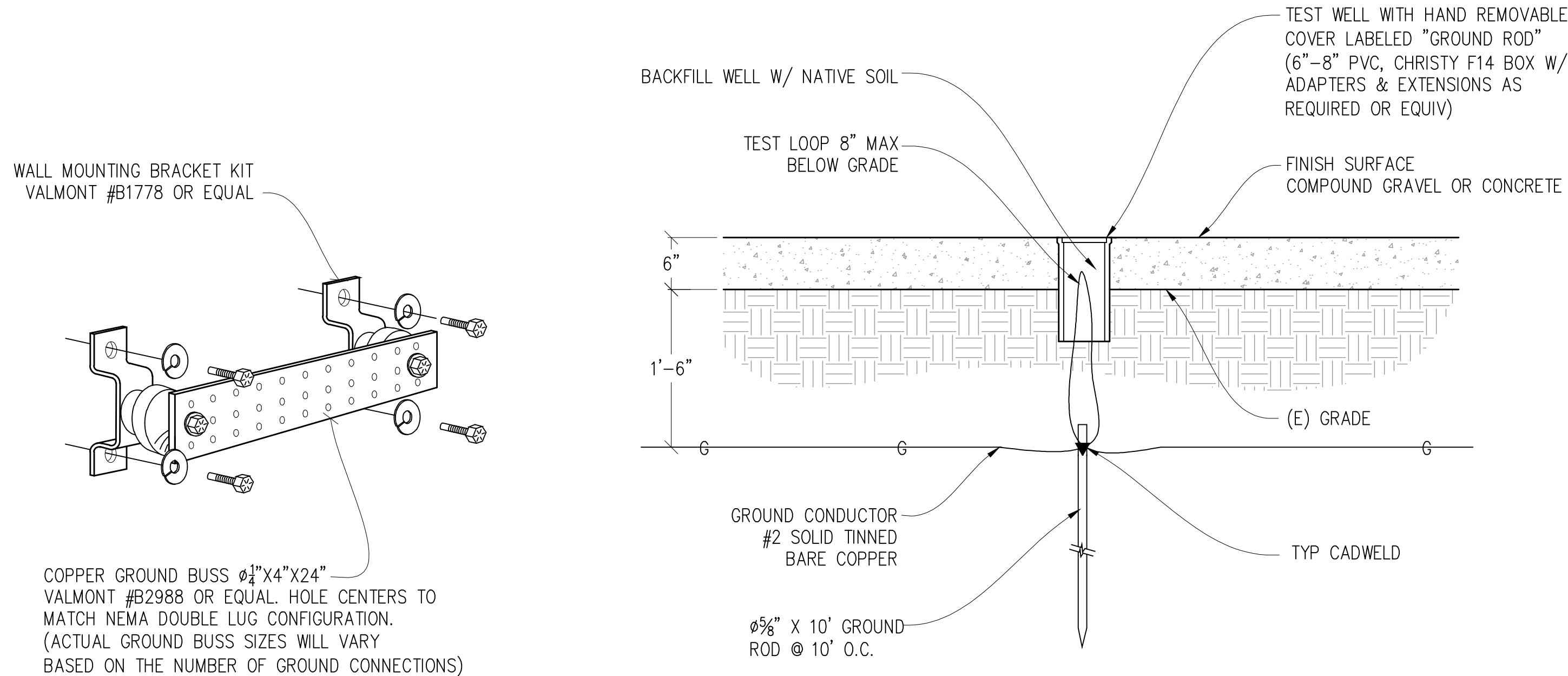
SHEET TITLE:

STRUCTURAL 

DETAILS

SHEET NUMBER:
S-1.2
26-0624.D Page 25 of 65

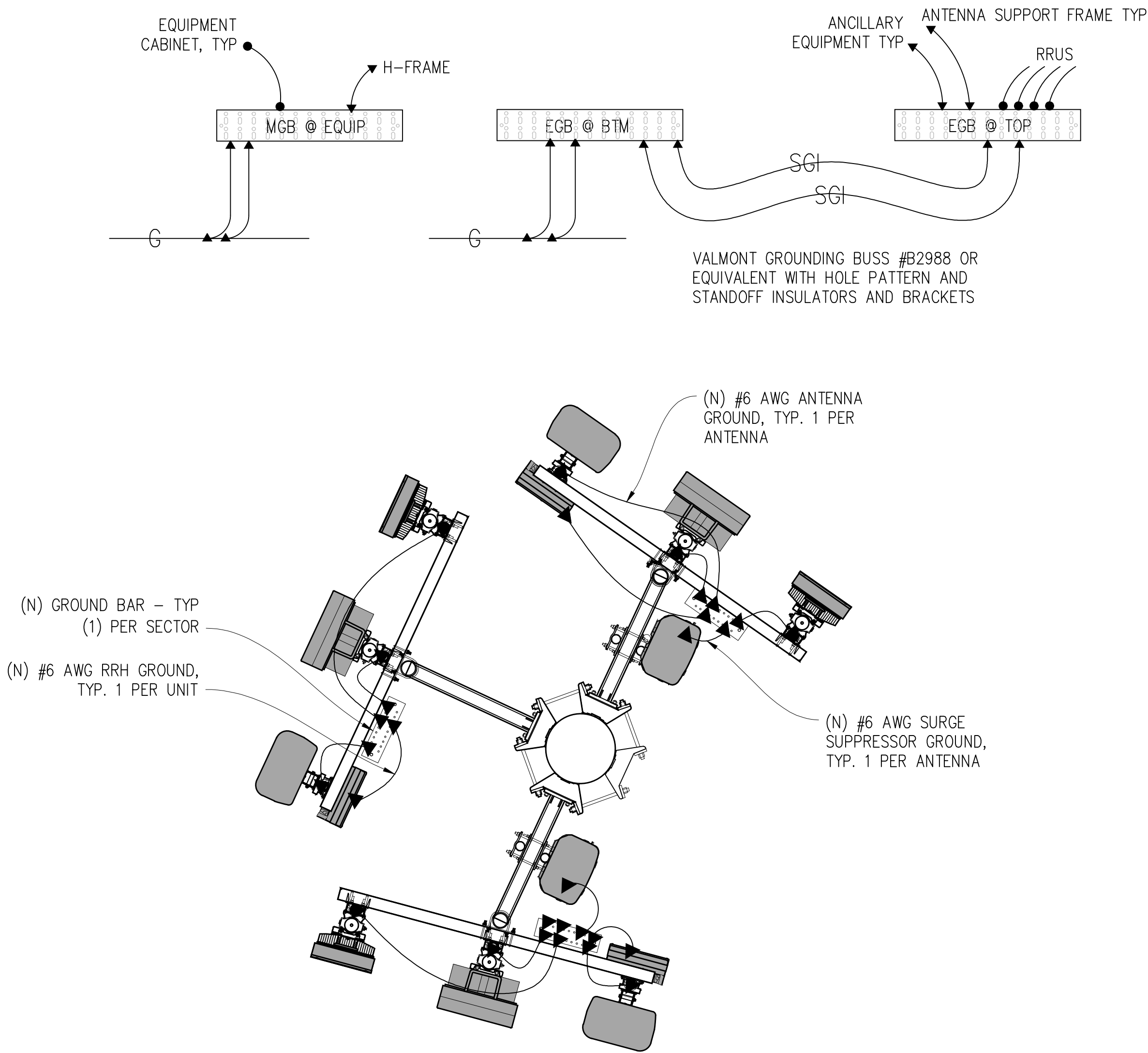




GROUND BUSS DETAIL

TEST WELL DETAIL

NOTE: THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS. THE GROUND RODS SHALL BE $\frac{5}{8}$ " X 10' COPPER CLAD STEEL SPACED AT 10' INTERVALS MAX. RODS SHALL BE INTERCONNECTED WITH #2 SOLID TINNED BARE COPPER GROUND WIRE BURIED A MINIMUM 18" BELOW GRADE. AN ONSITE INSPECTION BY THE OWNER SHALL BE REQUIRED PRIOR TO ANY BACKFILL.



ANTENNA GROUNDING PLAN

GROUNDING LEGEND

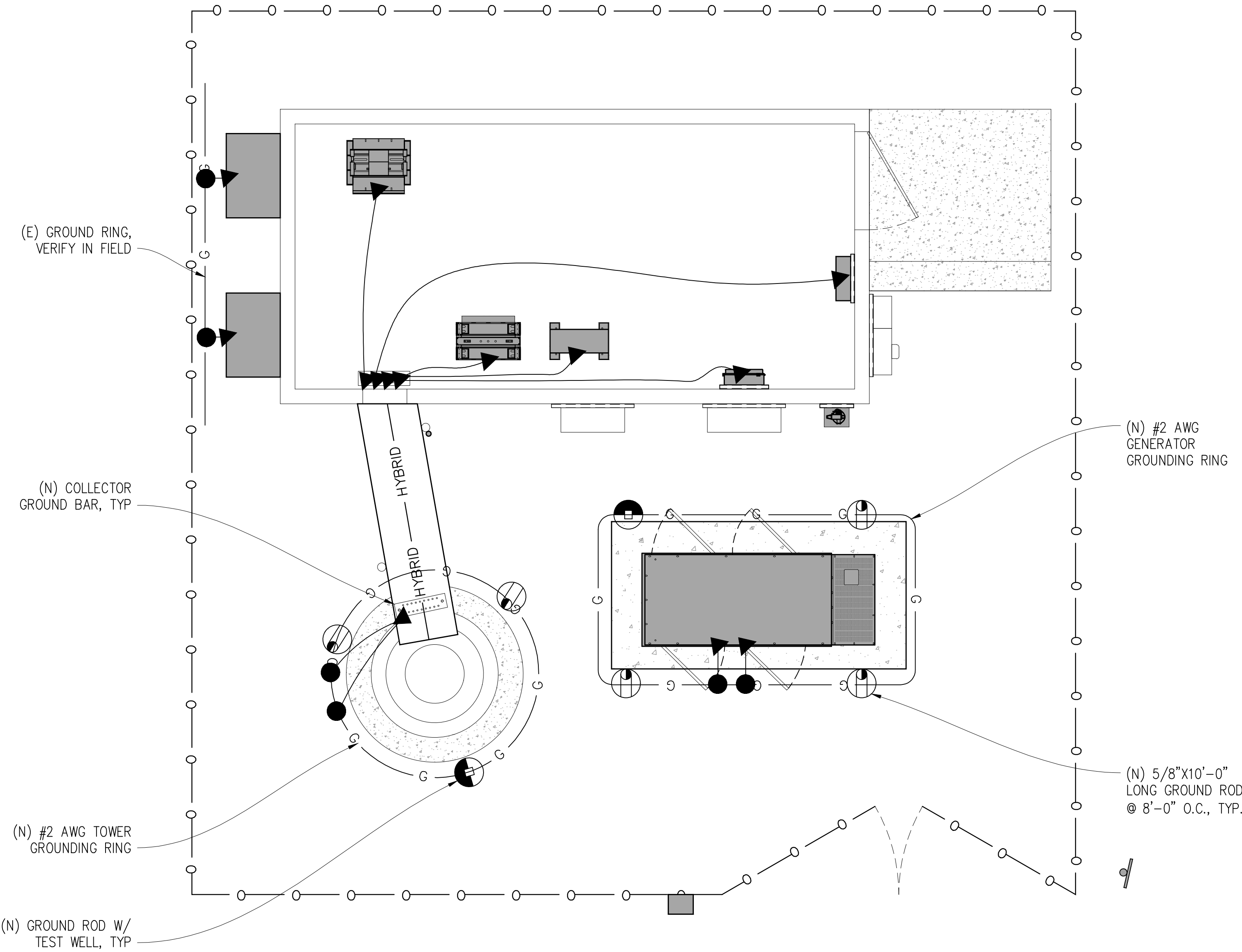
- MECHANICAL CONNECTION
- EXOTHERMIC CADWELD
- TYP. CADWELD INSPECTION WELL
- TYP $\frac{5}{8}$ " DIA. X 10'-0" LONG COPPER CLAD GROUND ROD @ 10' O.C. MAX & 18" MIN BELOW FINISH GRADE
- GATE GROUNDING STRAP
- TYP #2 TINNED BCW UNDERGROUND GND RING @ 18" MIN BELOW FINISH GRADE
- GROUND WIRE #2 STRANDED GREEN INSULATED WIRE

GROUNDING NOTES

- GROUNDING SHALL COMPLY WITH CEC ARTICLE 250.
- USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- EXPOSED GROUNDING CONNECTIONS SHALL BE MADE WITH BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR EXOTHERMIC WELDS AS SPECIFIED IN THE PLANS.
- CONNECTIONS TO EQUIPMENT SHALL BE MADE USING STAINLESS STEEL HARDWARE.
- APPLY BUTYL & ELECTRICAL TAPE OVER COLD SHRINK AT ALL LOCATIONS FOR WEATHER PROOFING OVER COAX GROUND KITS.
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS WITH STAR WASHERS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLES. ALWAYS MAKE A 12" RADIUS BEND, HOWEVER, #6 WIRE CAN BE BENT AT A 6" RADIUS WHEN NECESSARY.
- THE SYSTEM GROUND RESISTANCE MUST BE 10 OHMS OR LESS. TO ACHIEVE THIS LEVEL OF RESISTANCE THE CONTRACTOR SHALL PURSUE ONE OF THE FOLLOWING FOUR OPTIONS:

- A. CONNECT TO EXISTING GROUNDING SYSTEMS
- B. CONNECT TO BUILDING STEEL COLUMNS
- C. INSTALL A NEW GROUNDING SYSTEM

UPON COMPLETION OF THE GROUNDING INSTALLATION THE CONTRACTOR SHALL EMPLOY AN OWNER APPROVED 3RD PARTY TO CONDUCT A "FALL OF POTENTIAL" TEST AND SUBMIT A REPORT OF SUCH TEST FOR APPROVAL TO EITHER THE OWNER OR CONSTRUCTION MANAGER.



EQUIPMENT GROUNDING PLAN

Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID: 17120113

DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	02/25/26	PLANNING COMMS	T.T.
2	12/18/25	PLANNING COMMS	S.V.
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Licensee:



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ENGINEER:

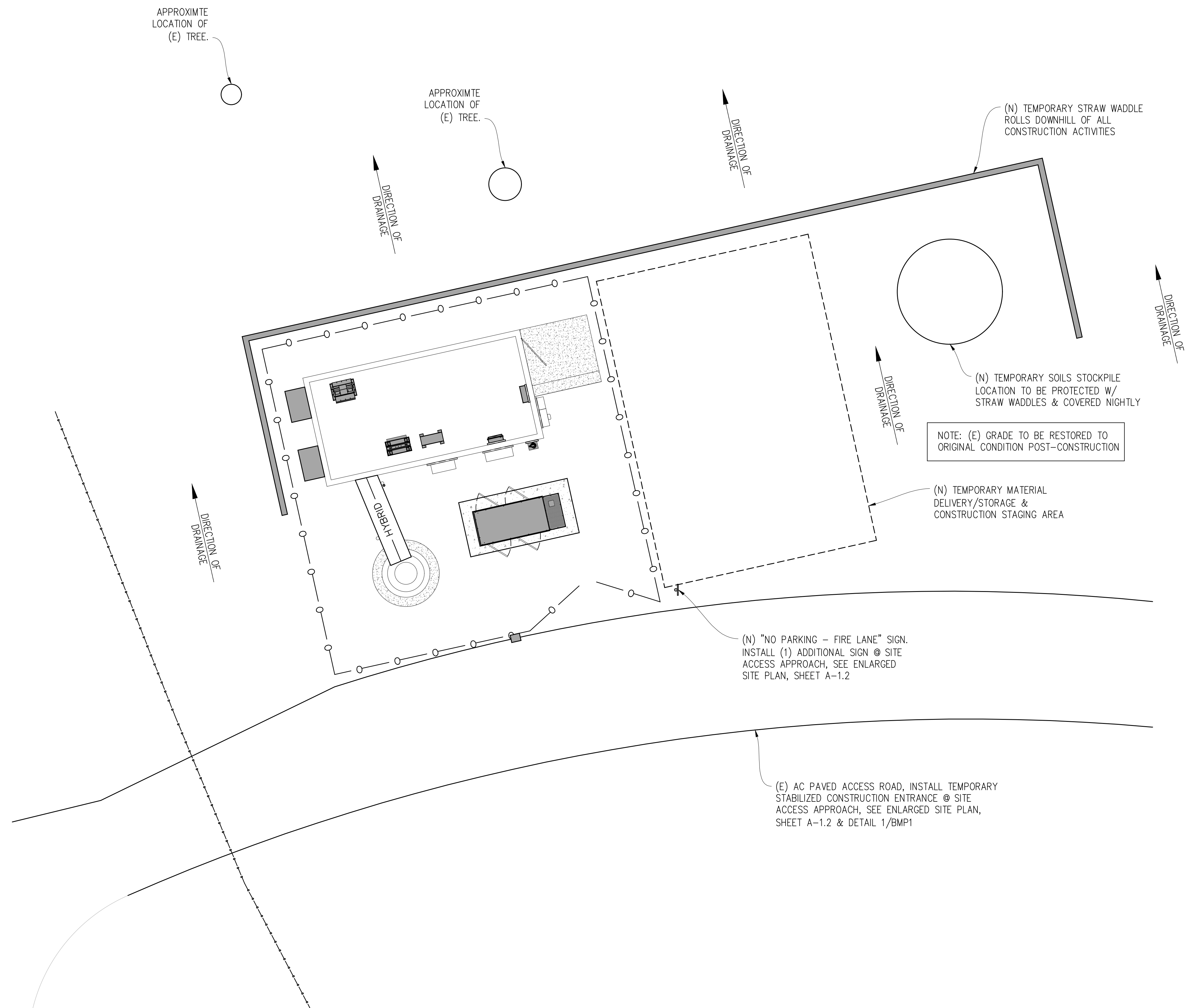
Streamline Engineering
and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941
THIS FIRM AND ITS OPERATIONS ARE PROVIDING OF SPECIALTY AND DESIGN SERVICES TO THE PROJECT DESCRIBED HEREIN. THE FIRM IS NOT PROVIDING OF ANY OTHER SERVICES TO THE PROJECT DESCRIBED HEREIN. THE FIRM IS NOT PROVIDING OF ANY OTHER SERVICES TO THE PROJECT DESCRIBED HEREIN. THE FIRM IS NOT PROVIDING OF ANY OTHER SERVICES TO THE PROJECT DESCRIBED HEREIN.

SHEET TITLE:

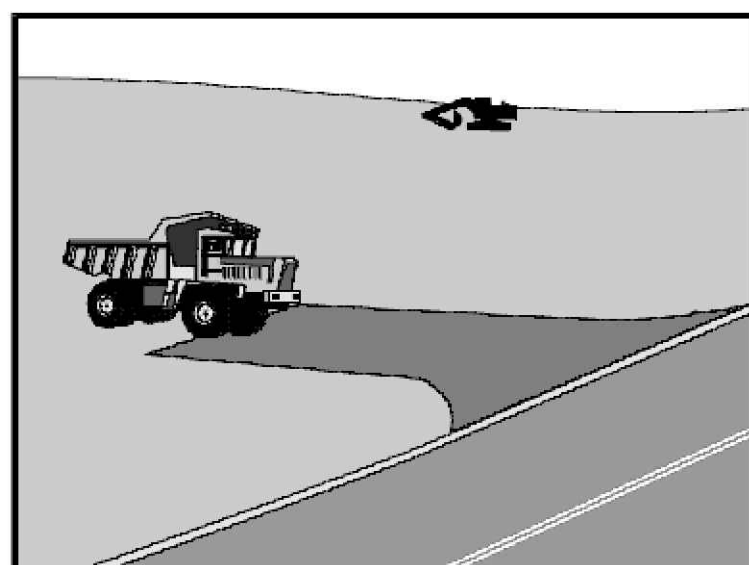
GROUNDING PLAN
& DETAILS

SHEET NUMBER:

E-1.2



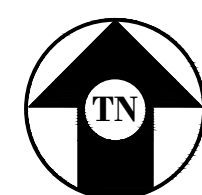
STABILIZED CONSTRUCTION ENTRANCE



NOTES:

1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. SEDIMENT DEPOSITED ON THE ROADWAY MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM. SEE TYPE 1 AND TYPE 2 DETAILS.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
 - A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
 - B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN >3" TO <6" CRUSHED AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.
 - A. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
 - B. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
 - C. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

1 STABILIZED ENTRANCE/EXIT
NO SCALE



BMP PLAN

1/2"=1'-0"



Issued For:

PLACERVILLE
SHERIFF

3170 GOLD NUGGET WY,
PLACERVILLE, CA 95667

PREPARED FOR



2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

MDG LOCATION ID: 5000940687

PROJECT ID:	17120113
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DRAWN BY: C. COLSTON

CHECKED BY: S. SAVIG

APPROVED BY: J. SPORE

ISSUE STATUS

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REV	DATE	DESCRIPTION	CAD

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ENGINEER:



SHEET TITLE: _____

BMP 
PLAN & DETAIL

SHEET NUMBER:

BMP1

- THE CONTRACTOR SHALL FOLLOW THE MEASURES SHOWN OR STATED ON THESE PLANS.
2. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
4. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
6. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
7. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
8. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IS COMPLETED.
9. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
10. CONTRACTOR SHALL PLACE GRAVEL BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
11. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
12. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
13. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
14. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
 - A. SOLID WASTE MANAGEMENT:

CONTRACTOR SHALL PLACE ALL SOLID WASTE MATERIALS IN CONTRACTOR'S TRUCKS AND HAUL OFF SITE TO APPROVED SOLID WASTE RECEPTACLES AT CLOSE OF EACH BUSINESS DAY AND NO STORAGE OF SOLID WASTE ONSITE IS ALLOWED.
 - B. MATERIAL DELIVERY AND STORAGE:

PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY
 - C. CONCRETE WASTE:

PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE LOCAL STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
 - D. PAINT AND PAINTING SUPPLIES:

PROVIDE INSTRUCTION FOR EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.
 - E. VEHICLE FUELING, MAINTENANCE AND CLEANING:

PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
 - F. HAZARDOUS WASTE MANAGEMENT:

PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

1

DRAIN INLET

EDGE OF PAVEMENT

TIGHTLY ABUT

GRAVEL BAG

FLOW

DRAIN INLET DETAIL

NO SCALE

1X2 STAKES
4' MAX SPACING

STRAW WADDLE ROLL

ROADWAY

FLOW

12" MIN.

6" MIN.

4"

(2) NO SCALE

NO SCALE

AREA STRIPPED AND THEN
TEMPORARILY SEEDED,
USING EITHER BONDED
FIBER MATRICES OR HYDRO
SEEDING TECHNIQUES

1. PINE NEEDLE MULCH SHALL BE USED.

TO PROVIDE TEMPORARY SOIL STABILIZATION BY PLANTING GRASSES AND LEGUMES TO AREAS THAT WOULD REMAIN BARE FOR MORE THAN 7 DAYS WHERE PERMANENT COVER IS NOT NECESSARY OR APPROPRIATE.

NO SCALE

ON SHALLOW
SLOPES, STRIPS
OF NETTING MAY
BE APPLIED
ACROSS THE
SLOPE

BERM

TO PROVIDE IMMEDIATE PROTECTION TO EXPOSED SOILS
DURING THE PERIOD OF SHORT CONSTRUCTION DELAYS

5

COIN

US DOLLAR

SHEET NUMBER:
BMP2
26-0624-D Page 29 of 65

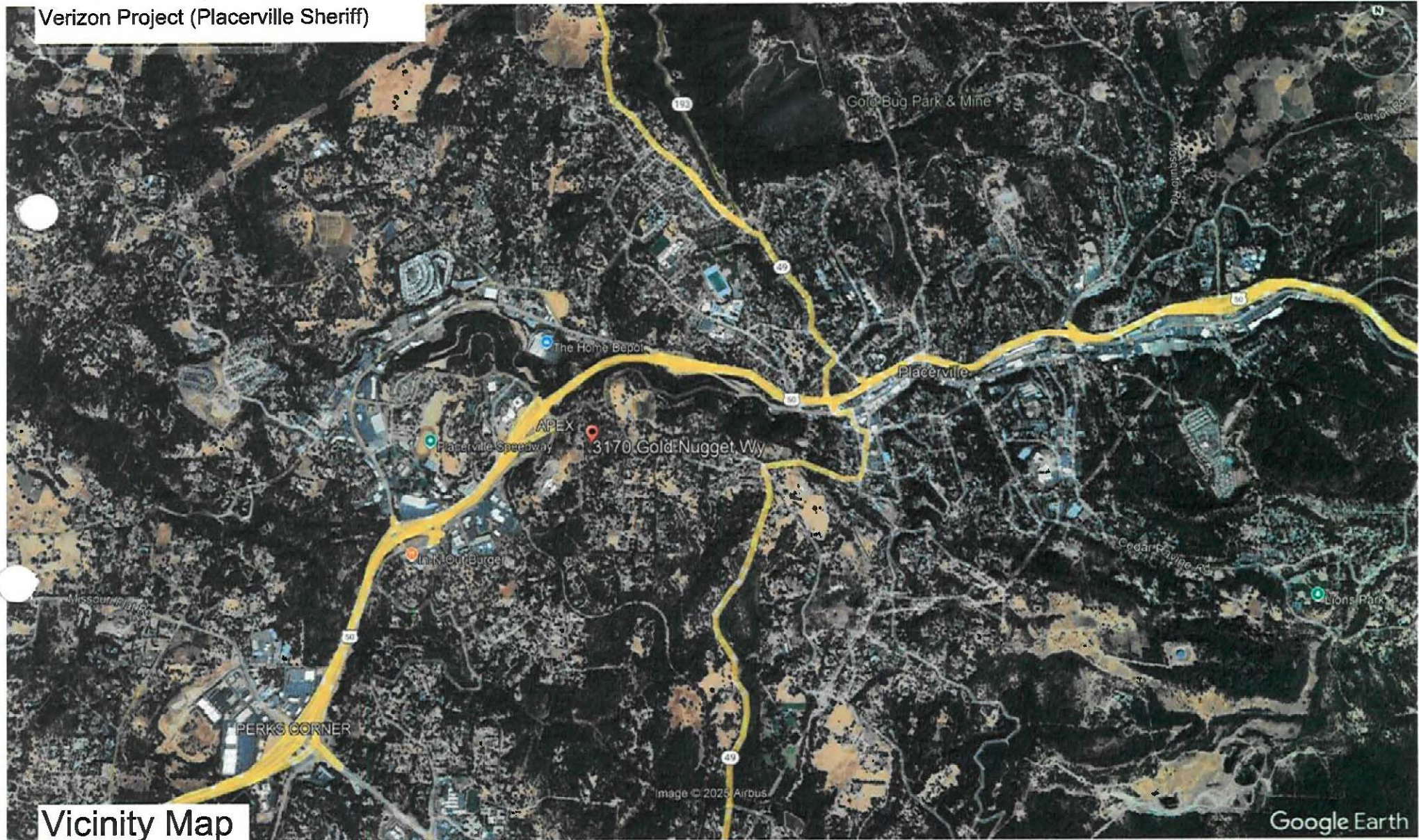
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Placerville, CA 95667

Verizon Project (Placerville Sheriff)

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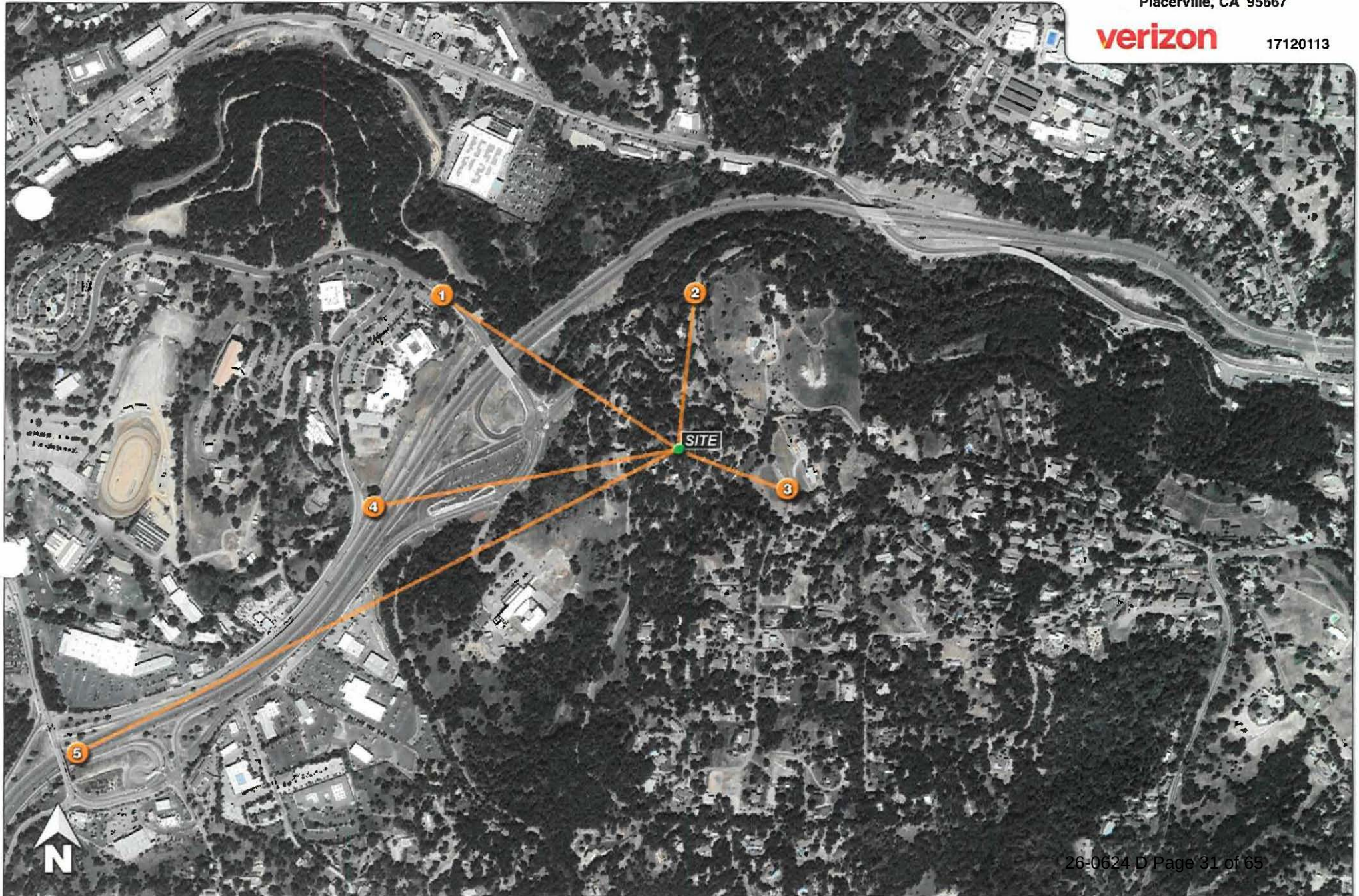


Aerial photograph showing the viewpoints for the photosimulations.

CUP-R25-0005 **Placerville Sheriff**
3170 Gold Nugget Way
Placerville, CA 95667

verizon

17120113



26-0624 D Page 31 of 65

1

GPS-locked drone to pinpoint the exact height and location

Existing

Photosimulation of the view looking southeast along Ray Lawyer Drive at Fair Lane.

Placerville Sheriff

3170 Gold Nugget Way
Placerville, CA 95667

verizon

17120113

Proposed monopine

Proposed

CUP-R25-0005

26-0624 DP Page 32 of 65

2

GPS-locked drone to pinpoint the exact height and location

Existing

Photosimulation of the view looking south at a brief glimpse along Forni Road, approaching Cribbs Road.

Placerville Sheriff

3170 Gold Nugget Way
Placerville, CA 95667

verizon

17120113

Proposed monopine

Proposed

CUP-R25-0005

26-0624 D Page 33 of 65

3

GPS-locked drone to pinpoint the exact height and location

Existing monopole and antennas to be removed

Existing

Photosimulation of the view looking northwest from the clearest view along Excalibar Road.

Placerville Sheriff

3170 Gold Nugget Way
Placerville, CA 95667

verizon

17120113

Proposed monopine

Proposed

CUP-R25-0005
26-0624 D Page 34 of 65

Photosimulation of the view looking east from Hwy 50, along the onramp from Ray Lawyer Drive.

Placerville Sheriff

3170 Gold Nugget Way
Placerville, CA 95667

verizon

17120113

4

Existing tower and proposed monopine.
In this view, the proposed new height
is not tall enough to clear the tree tops.

Existing and Proposed (no visible change)

26-0624 Page 35 of 63
CUP-R25-0005



Photosimulation of the view looking northeast from eastbound Hwy 50, crossing under the Forni Road overpass.



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WATERFORD

Radio Frequency Emissions Compliance Report for Verizon Wireless

Site Name: PLACERVILLE SHERIFF (ATC) Site Structure Type: Monopine
Address: 3170 Gold Nugget Way Latitude: 38.726500
Placerville, CA 95667-5425 Longitude: -120.820577
Report Date: 11/03/2025 Project: NSB

Compliance Statement

Based on information provided by Verizon and predictive modeling, the PLACERVILLE SHERIFF (ATC) installation proposed by Verizon will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. §§ 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the antenna to authorized personnel that have completed RF safety training is required for Occupational environment compliance. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent buildings.

Certification

I, Tim Alexander, am the reviewer and approver of this report and am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation, specifically in accordance with FCC's OET Bulletin 65. I have reviewed this Radio Frequency Exposure Assessment report and believe it to be both true and accurate to the best of my knowledge.



SIGNED, 10 NOV 2025

General Summary

The compliance framework is derived from the Federal Communications Commission (FCC) Rules and Regulations for preventing human exposure in excess of the applicable Maximum Permissible Exposure ("MPE") limits. At any location at this site, the power density resulting from each transmitter may be expressed as a percentage of the frequency-specific limits and added to determine if 100% of the exposure limit has been exceeded. The FCC Rules define two tiers of permissible exposure differentiated by the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. General Population / Uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment-related, or where persons cannot exercise control over their exposure. Occupational / Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure. Based on the criteria for these classifications, the FCC General Population limit is considered to be a level that is safe for continuous exposure time. The FCC General Population limit is 5 times more restrictive than the Occupational limits.

Table 1: FCC Limits

Frequency (MHz)	Limits for General Population/ Uncontrolled Exposure		Limits for Occupational/ Controlled Exposure	
	Power Density (mW/cm ²)	Averaging Time (minutes)	Power Density (mW/cm ²)	Averaging Time (minutes)
30-300	0.2	30	1	6
300-1500	f/1500	30	f/300	6
1500-100,000	1.0	30	5.0	6

f=Frequency (MHz)

In situations where the predicted MPE exceeds the General Population threshold in an accessible area as a result of emissions from multiple transmitters, FCC licensees that contribute greater than 5% of the aggregate MPE share responsibility for mitigation.

Based on the computational guidelines set forth in FCC OET Bulletin 65, Waterford Consultants, LLC has developed software to predict the overall Maximum Permissible Exposure possible at any location given the spatial orientation and operating parameters of multiple RF sources. The power density in the Far Field of an RF source is specified by OET-65 Equation 5 as follows:

$$S = \frac{EIRP}{4\pi \cdot R^2} \text{ (mW/cm}^2\text{)}$$

Where EIRP is the Effective Radiated Power relative to an isotropic antenna and R is the distance between the antenna and point of study. Additionally, consideration is given to the manufacturers' horizontal and vertical antenna patterns as well as radiation reflection. At any location, the predicted power density in the Far Field is the spatial average of points within a 0 to 6-foot vertical profile that a person would occupy. Near field power density is based on OET-65 Equation 20 stated as

$$S = \left(\frac{180}{\theta_{BW}} \right) \cdot \frac{100 \cdot P_{in}}{\pi \cdot R \cdot h} \text{ (mW/cm}^2\text{)}$$

Where P_{in} is the power input to the antenna, θ_{BW} is the horizontal pattern beamwidth and h is the aperture length.

Some antennas employ beamforming technology where RF energy allocated to each customer device is dynamically directed toward their location. In the analysis presented herein, predicted exposure levels are based on all beams at full utilization (i.e. full power) simultaneously focused in any direction. As this condition is unlikely to occur, the actual power density levels at ground and at adjacent structures are expected to be less than the levels reported below. These theoretical results represent maximum-case predictions as all RF emitters are assumed to be operating at maximum duty cycle.

For any area in excess of 100% General Population MPE, access controls with appropriate RF alerting signage must be put in place and maintained to restrict access to authorized personnel. Signage must be posted to be visible upon approach from any direction to provide notification of potential conditions within these areas. Subject to other site security requirements, occupational personnel should be trained in RF safety and equipped with personal protective equipment (e.g. RF personal monitor) designed for safe work in the vicinity of RF emitters. Controls such as physical barriers to entry imposed by locked doors, hatches and ladders or other access control mechanisms may be supplemented by alarms that alert the individual and notify site management of a breach in access control. Waterford Consultants, LLC recommends that any work activity in these designated areas or in front of any transmitting antennas be coordinated with all wireless tenants.

Analysis

SCOPE:

Verizon Wireless proposes the following installation at this location:

- REMOVING & REPLACING (E) WOOD MONOPOLE W / (N) 68' TALL MONOPOLE.
- REMOVING & REPLACING (E) SHELTER EQUIPMENT W / (N) VERIZON WIRELESS EQUIPMENT
- (9) (N) ANTENNAS
- (6) (N) RRH UNITS @ ANTENNAS

The antennas will be mounted inside a Monopine with centerlines at (60', 61', & 61.8') above ground level. Proposed antenna operating parameters are listed in Appendix A. Other appurtenances such as GPS antennas, RRUs and hybrid cable below the antennas are not sources of RF emissions. No other antennas are known to be operating in the vicinity of this site.

PLACERVILLE SHERIFF (ATC) – NSB-11/07/2025

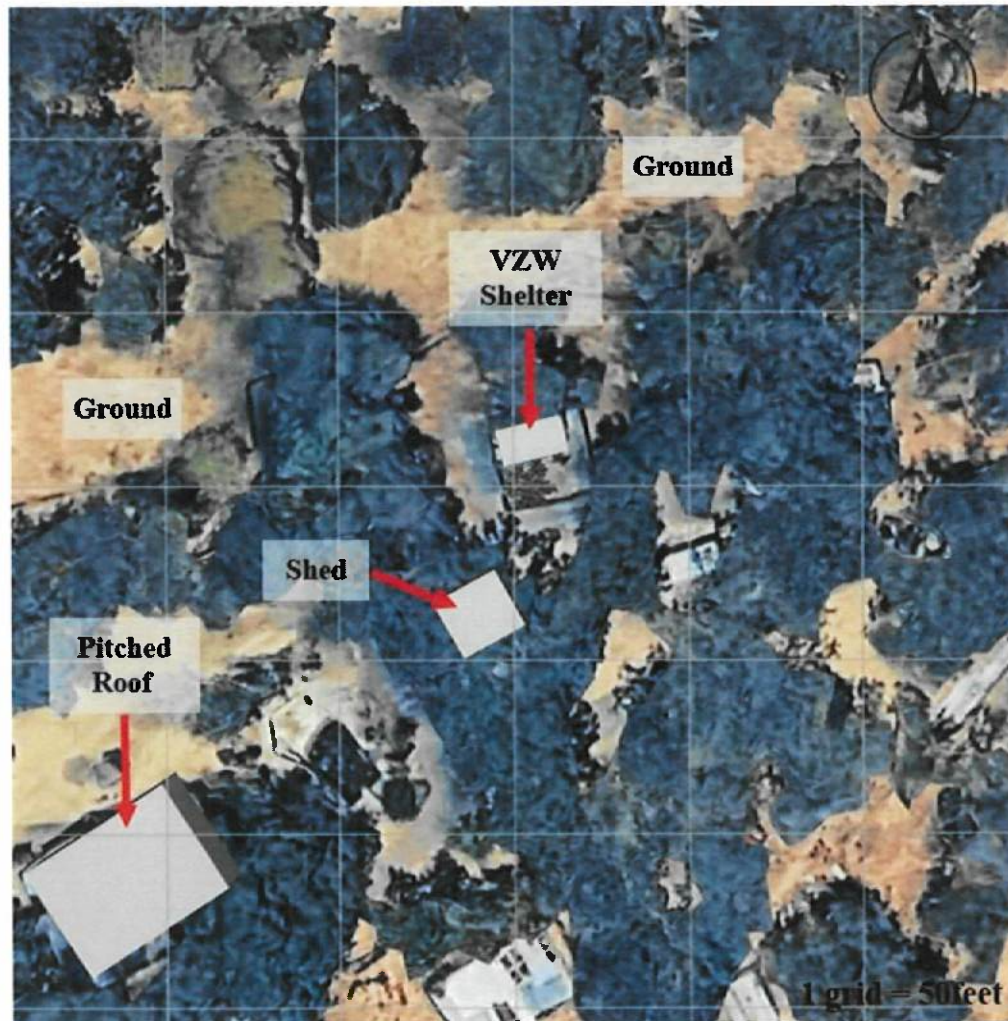


Figure 1: Antenna Locations

Power density decreases significantly with distance from any antenna. The Panel-type antenna to be employed at this site are highly directional by design and the orientation in azimuth and mounting elevation, as documented, serves to reduce the potential to exceed MPE limits at any location other than directly in front of the antennas. For accessible areas at Pitched Roof level, the maximum predicted power density level resulting from all Verizon Wireless operations is 83.83% of the FCC General Population limits (Figure 2.2). Notice that the power density levels will exceed the FCC's MPE limit for General Population in front of the antennas which it is not generally accessible areas. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent Structures.

On the Antennas Level in front of the antennas, predicted MPE levels will exceed the FCC General Population limits within 84 feet in front of the antennas and within 11 feet below the antennas Centerline. The maximum predicted power density level resulting from all Verizon operations directly in front of the antennas is 16144.74% of the FCC General Population limits (3228.95% of the FCC Occupational limits). Waterford Consultants, any work activity in front of transmitting antennas should be coordinated with Verizon Wireless. The following plots show the cumulative spatial average predicted power density levels in the reference plane indicated as a percentage of the General Public Limits. Please note that 100% of the General Public Limits corresponds to 20% of the Occupational Limits.

PLACERVILLE SHERIFF (ATC) – NSB-11/07/2025

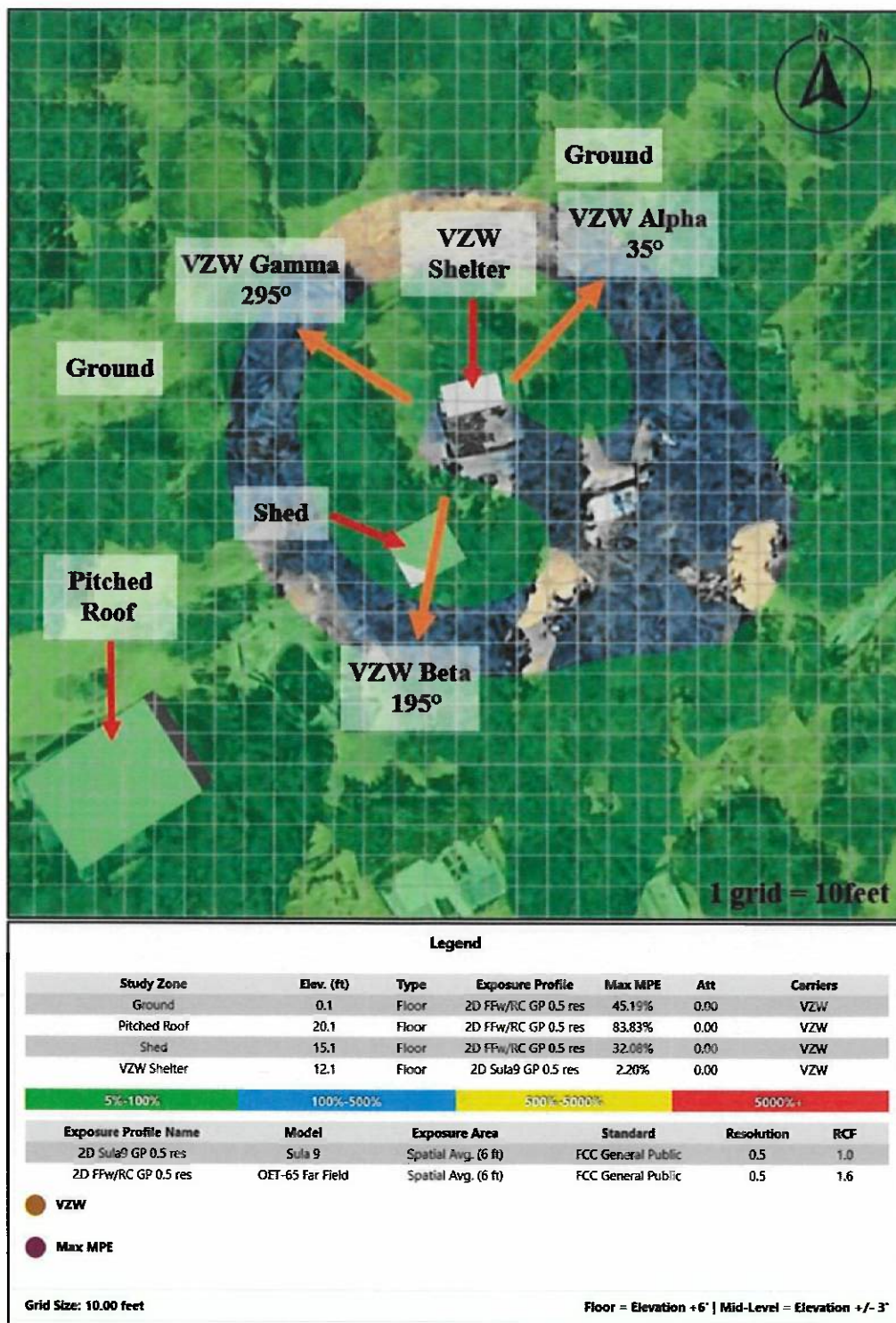


Figure 2.1: Predicted MPE as Percentage of FCC General Population Limits (All transmitters)

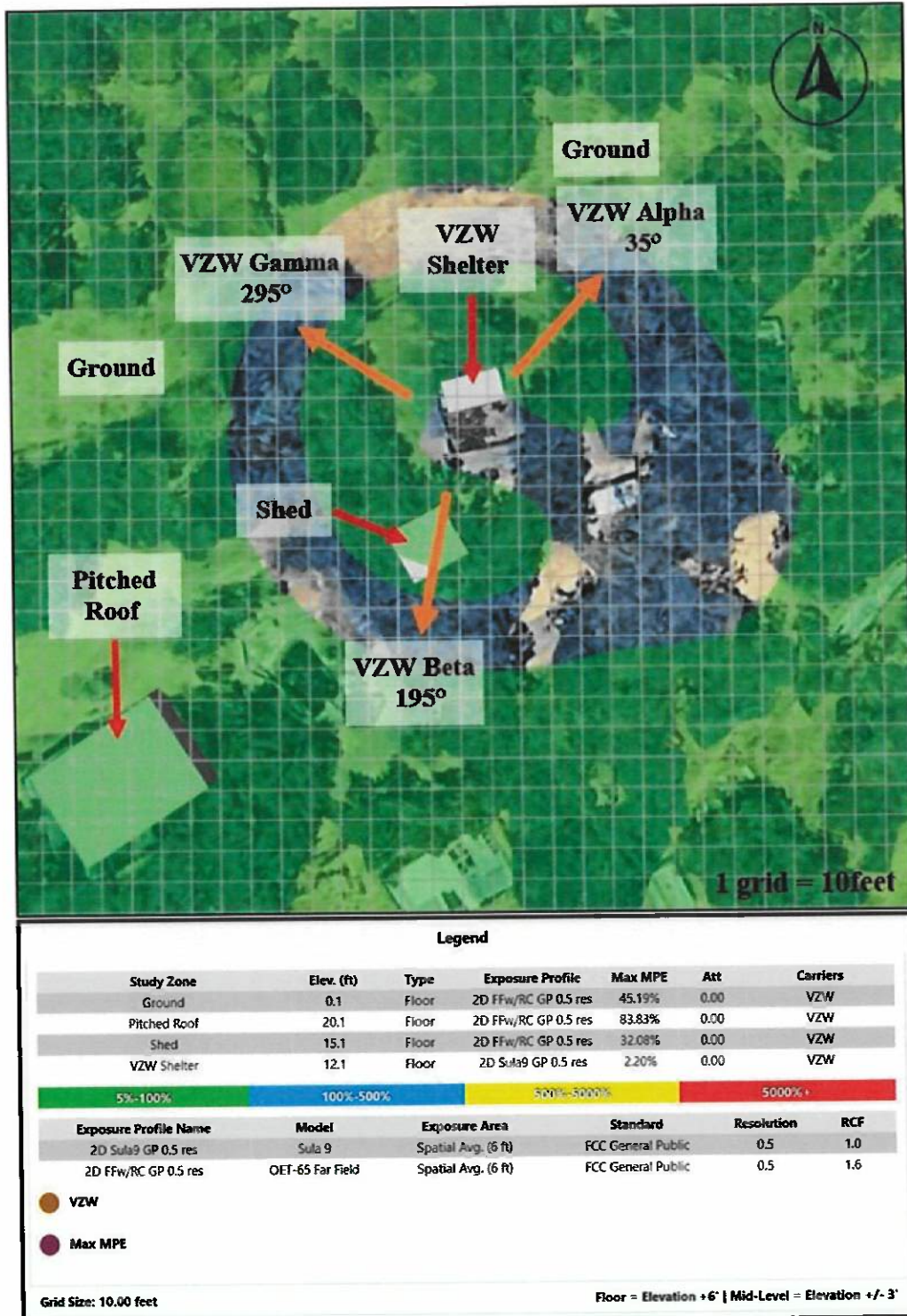


Figure 2.2: Predicted MPE as Percentage of FCC General Population Limits (Verizon Only)

PLACERVILLE SHERIFF (ATC) – NSB-11/07/2025

Figure 3 shows predicted MPE levels near the antennas. Waterford Consultants, LLC recommends a posting RF Any work activity in front of transmitting antennas should be coordinated with Verizon. Any work activity in front of transmitting antennas should be coordinated with Verizon.

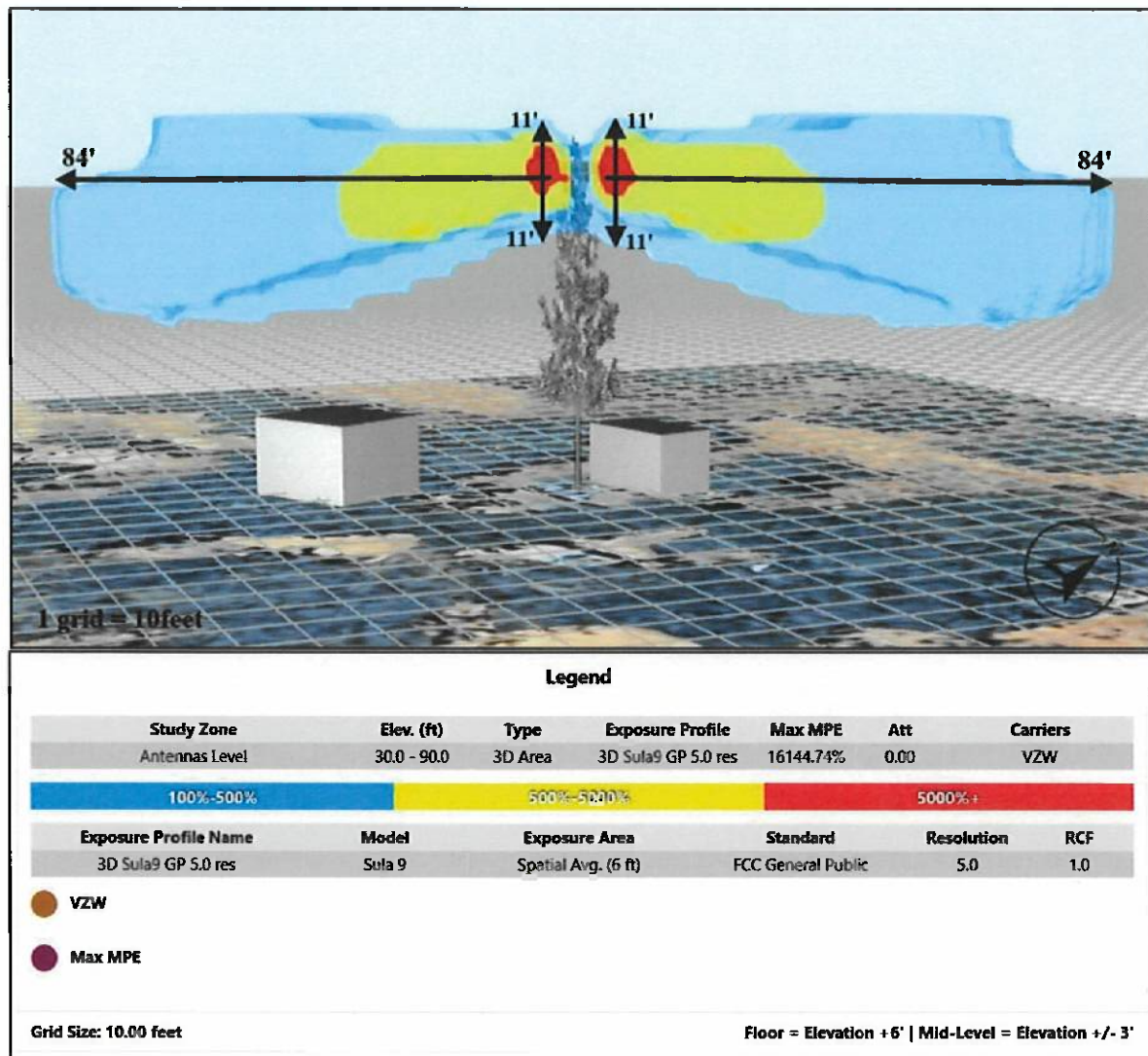


Figure 3: Predicted MPE at Antenna Elevation as Percentage of FCC General Population Limits

Compliance Requirement Diagram

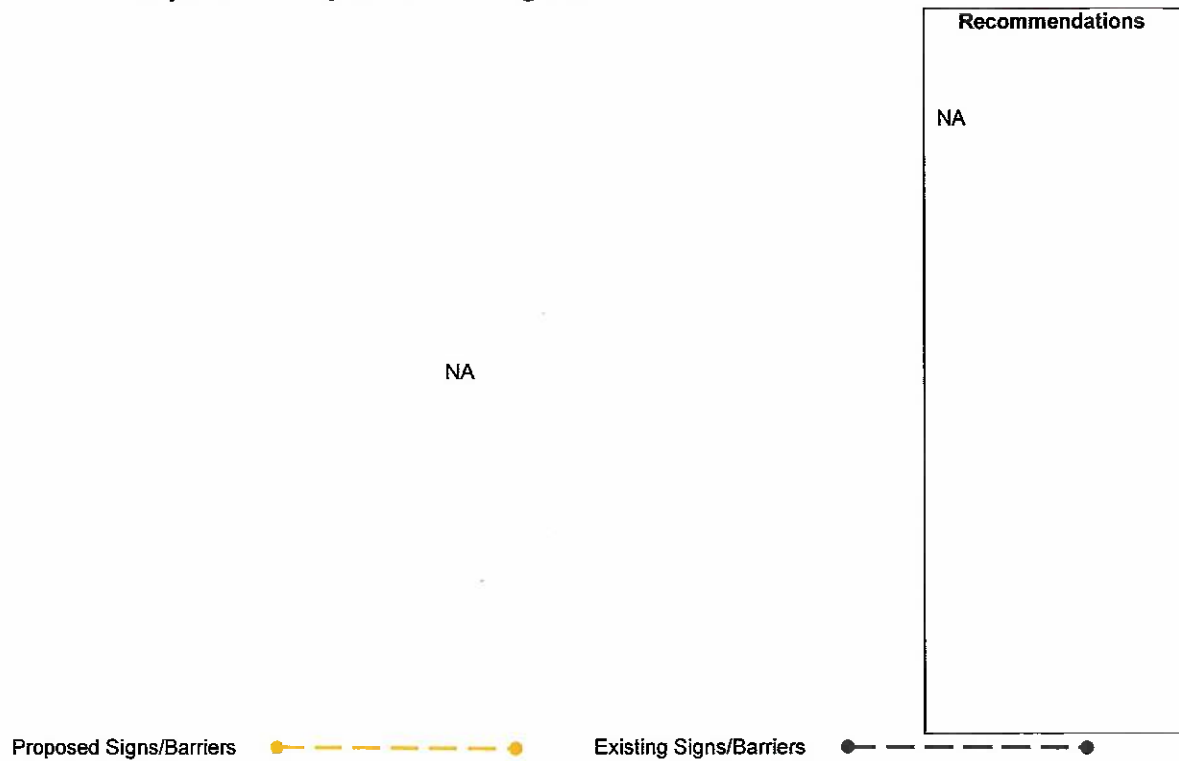


Figure 4: Mitigation Recommendations

CUP-R25-0005/ATC - Wooden Pole to Monopine
Exhibit G - Radio Frequency Report

PLACERVILLE SHERIFF (ATC) – NSB-11/07/2025

Appendix A: Operating Parameters Considered in this Analysis

Operating Parameters Considered in this Analysis																	
ID Sub																	
ID	Carrier NAME	Antenna Model	MDT (°)	Az (°)	Freq Band	EDT (°)	HBW (°)	VBW (°)	Paths	Transmit Power (W)	Total Power (W)	Gain (dBd)	ERP (W)	Ant Level z Height	Pitched Roof z Height	Shed z Height	Ground z Height
A1	VZW	SON_ND668-5C	0	35	700	SON	72	12	4	60	213.90	12.48	3786.26	0	40	45	60
A1	VZW	SON_ND668-5C	0	35	850	SON	70	11	4	60	213.90	12.61	3901.31	0	40	45	60
A2	VZW	SON_AIR3283	0	35	1900	SON	69	17	32	5	160.00	14.48	4488.69	0	41	46	61
A2	VZW	SON_AIR3283	0	35	2100	SON	67	15	32	2.5	80.00	15.01	2535.65	0	41	46	61
A2	VZW	SON_AIR3283	0	35	2100_3	SON	67	15	32	2.5	80.00	15.01	2535.65	0	41	46	61
A3	VZW	SON_AIR6419	0	35	3700	SON	11	25	64	5	320.00	23.45	70818.96	0	41.8	46.8	61.8
B1	VZW	SON_ND668-5C	0	195	700	SON	72	12	4	60	213.90	12.48	3786.26	0	40	45	60
B1	VZW	SON_ND668-5C	0	195	850	SON	70	11	4	60	213.90	12.61	3901.31	0	40	45	60
B2	VZW	SON_AIR3283	0	195	1900	SON	69	17	32	5	160.00	14.48	4488.69	0	41	46	61
B2	VZW	SON_AIR3283	0	195	2100	SON	67	15	32	2.5	80.00	15.01	2535.65	0	41	46	61
B2	VZW	SON_AIR3283	0	195	2100_3	SON	67	15	32	2.5	80.00	15.01	2535.65	0	41	46	61
B3	VZW	SON_AIR6419	0	195	3700	SON	11	25	64	5	320.00	23.45	70818.96	0	41.8	46.8	61.8
C1	VZW	SON_ND668-5C	0	295	700	SON	72	12	4	60	213.90	12.48	3786.26	0	40	45	60
C1	VZW	SON_ND668-5C	0	295	850	SON	70	11	4	60	213.90	12.61	3901.31	0	40	45	60
C2	VZW	SON_AIR3283	0	295	1900	SON	69	17	32	5	160.00	14.48	4488.69	0	41	46	61
C2	VZW	SON_AIR3283	0	295	2100	SON	67	15	32	2.5	80.00	15.01	2535.65	0	41	46	61
C2	VZW	SON_AIR3283	0	295	2100_3	SON	67	15	32	2.5	80.00	15.01	2535.65	0	41	46	61
C3	VZW	SON_AIR6419	0	295	3700	SON	11	25	64	5	320.00	23.45	70818.96	0	41.8	46.8	61.8

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700 COVERAGE MAPS

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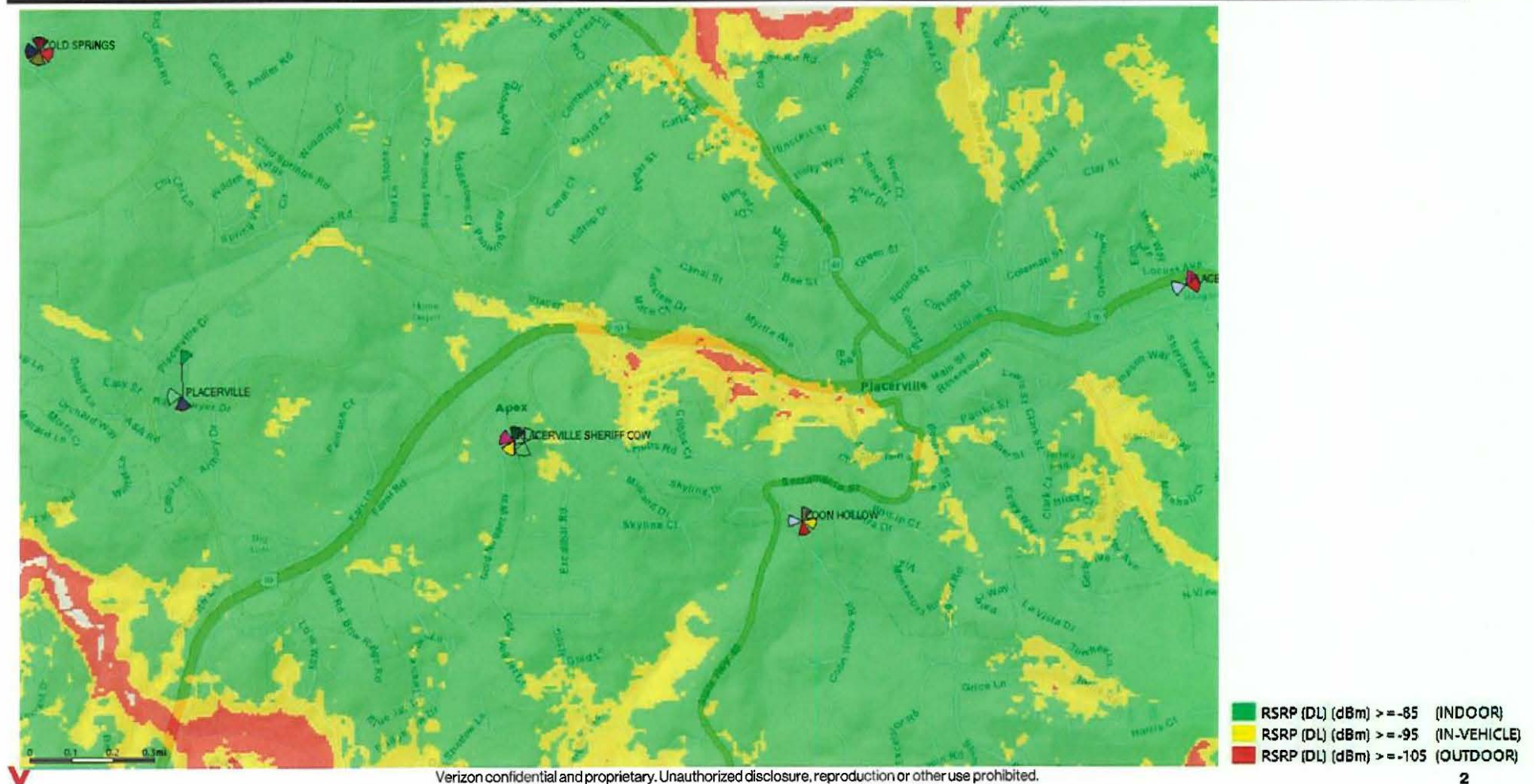
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700 – EXISTING COVERAGE WITH THE COW/TEMP

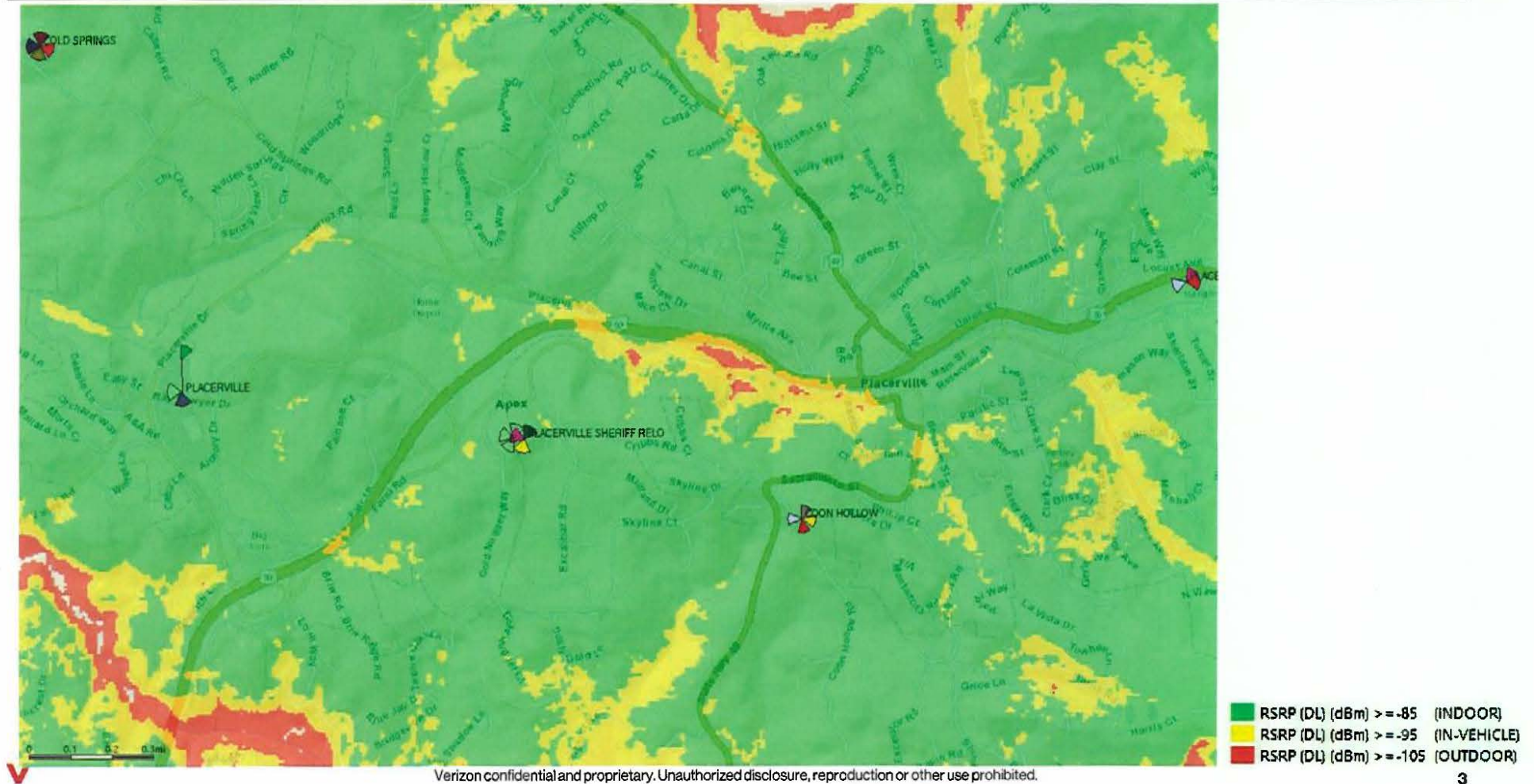


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700 – COVERAGE WITH RELO/PERM SITE

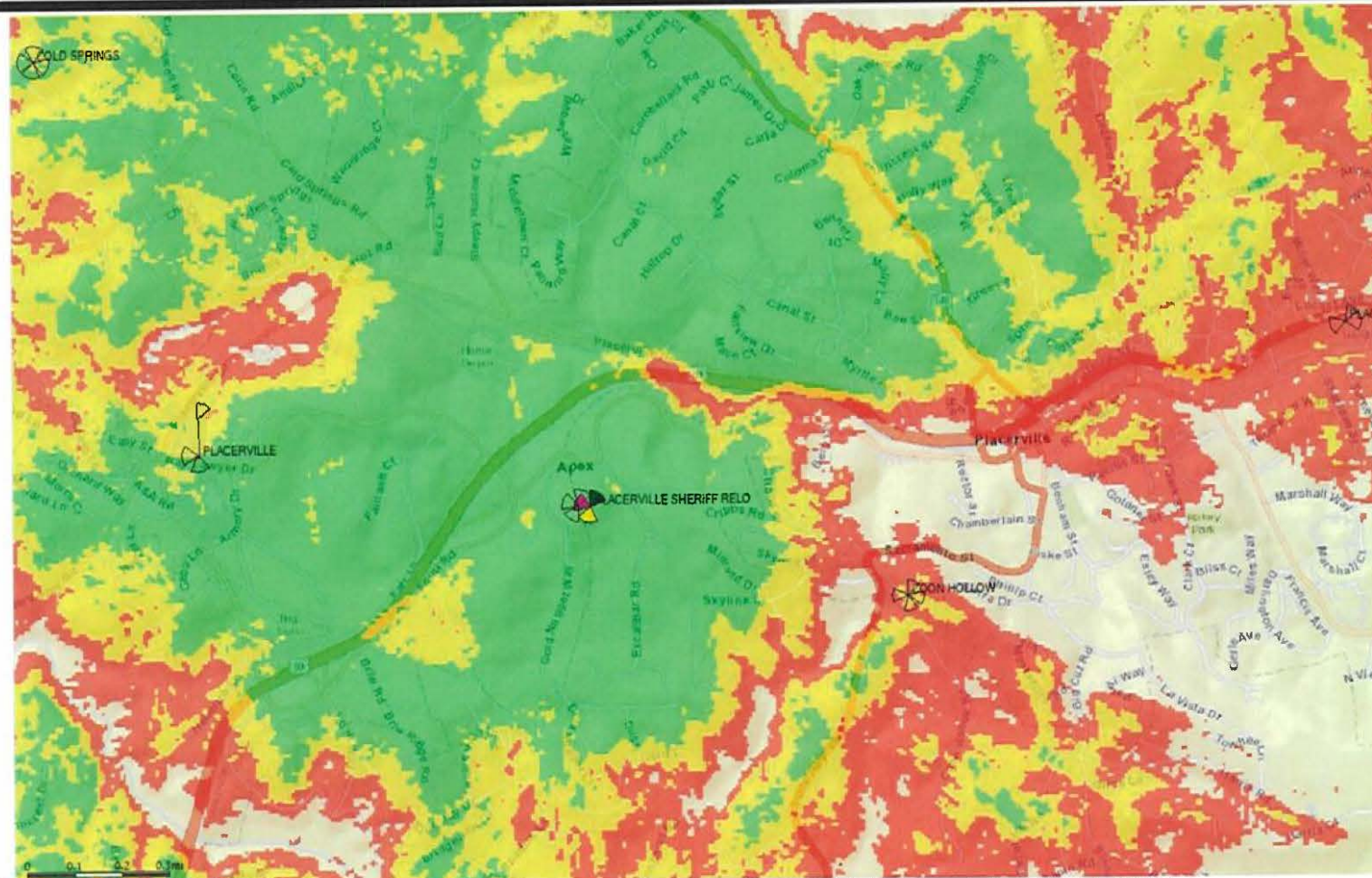


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PLANNING AND BUILDING DEPARTMENT

700 – COVERAGE WITH RELO/PERM SITE ONLY



■ RSRP (DL) (dBm) $\geq$ -85 (INDOOR)
■ RSRP (DL) (dBm) $\geq$ -95 (IN-VEHICLE)
■ RSRP (DL) (dBm) $\geq$ -105 (OUTDOOR)

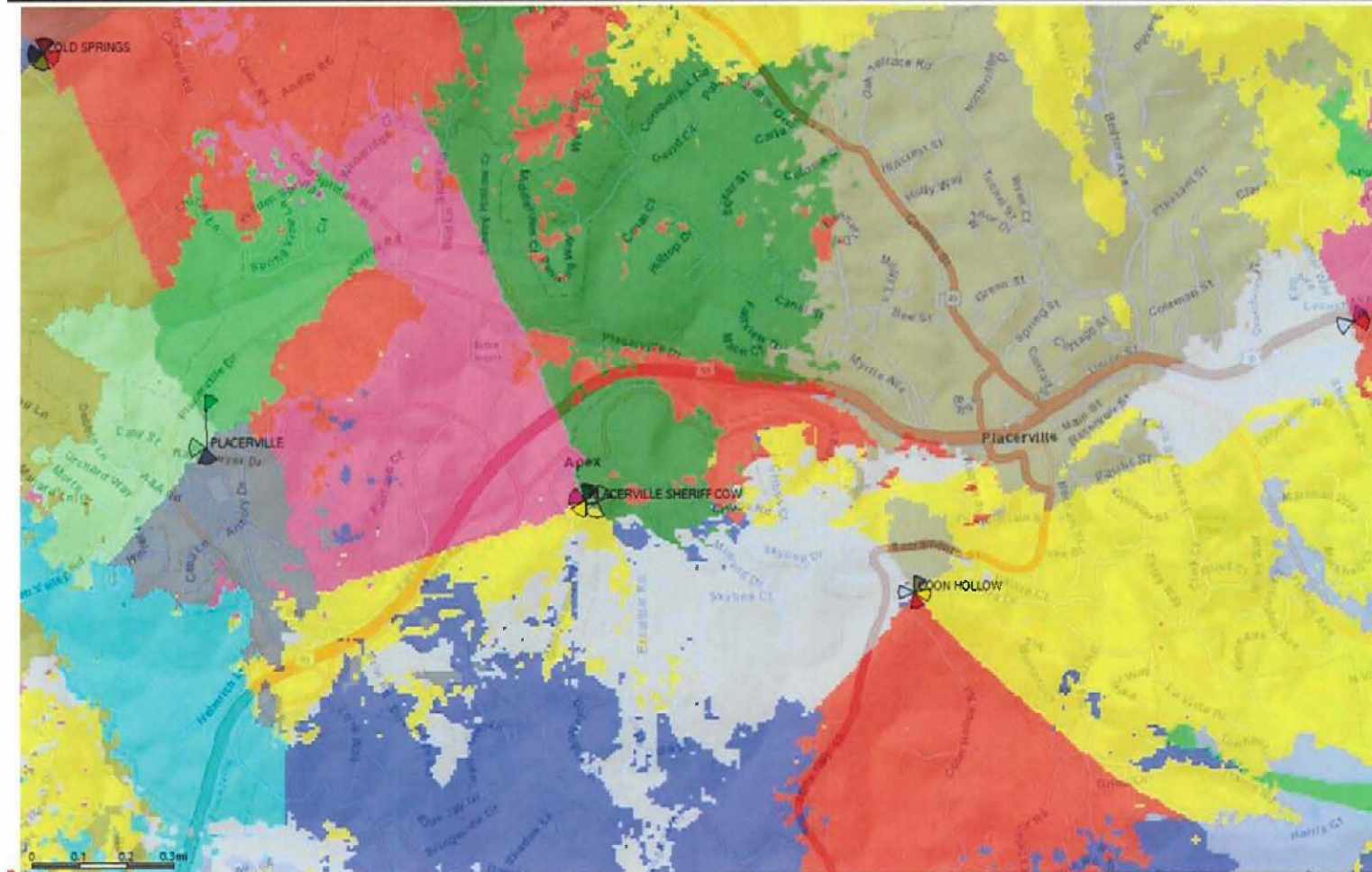
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700 – EXISTING SERVER WITH THE COW/TEMP



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AWS COVERAGE MAPS

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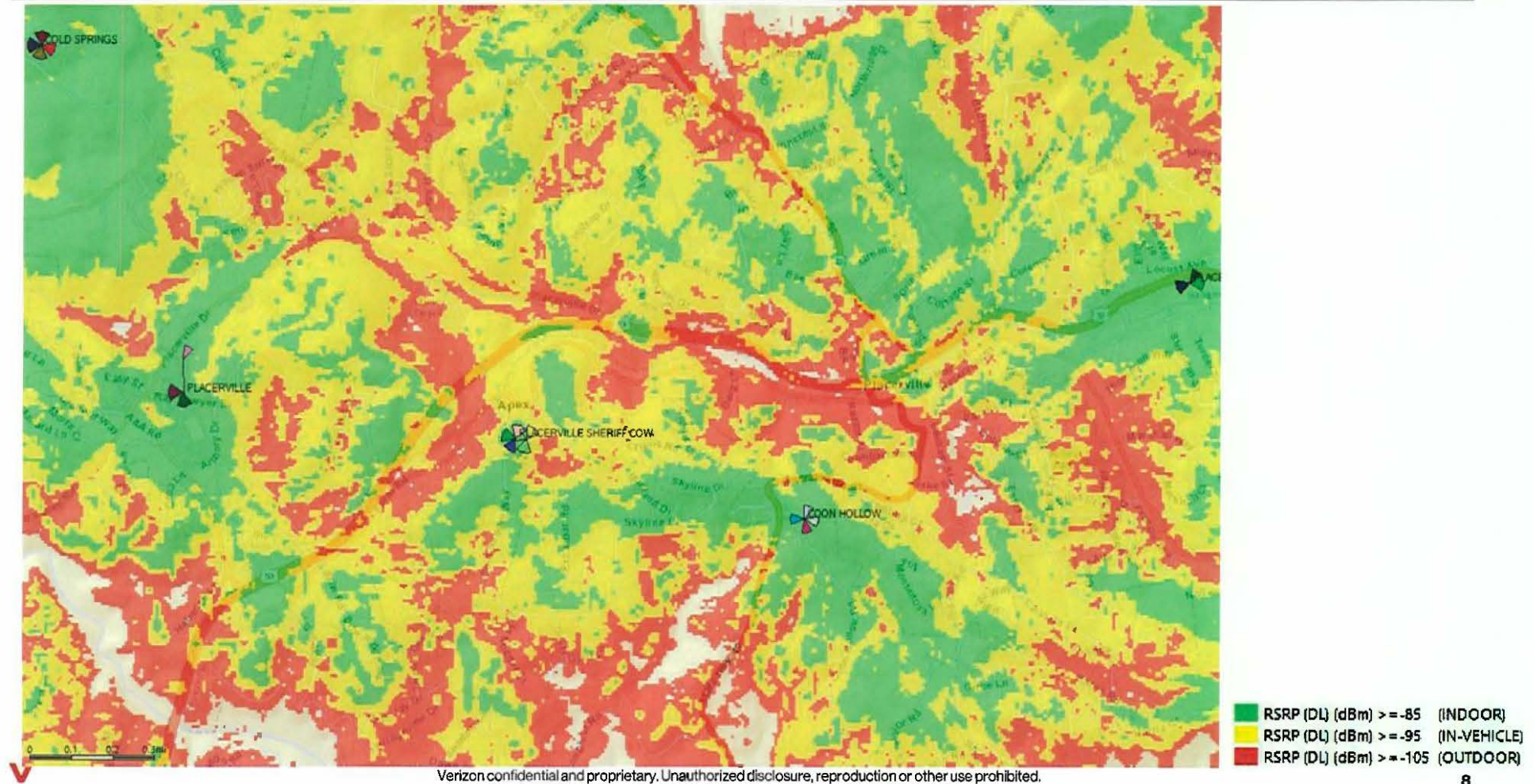
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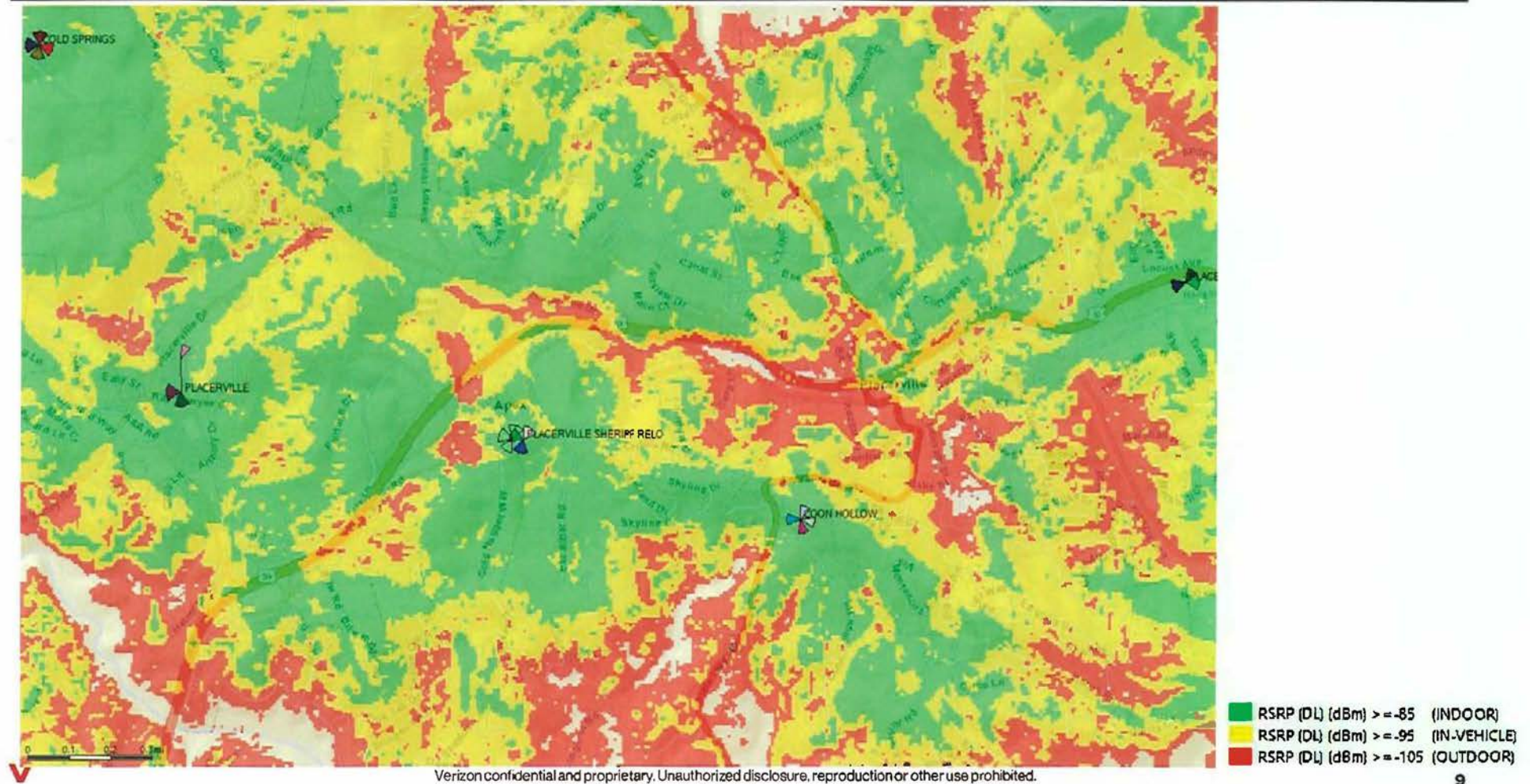


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AWS – COVERAGE WITH RELO/PERM SITE

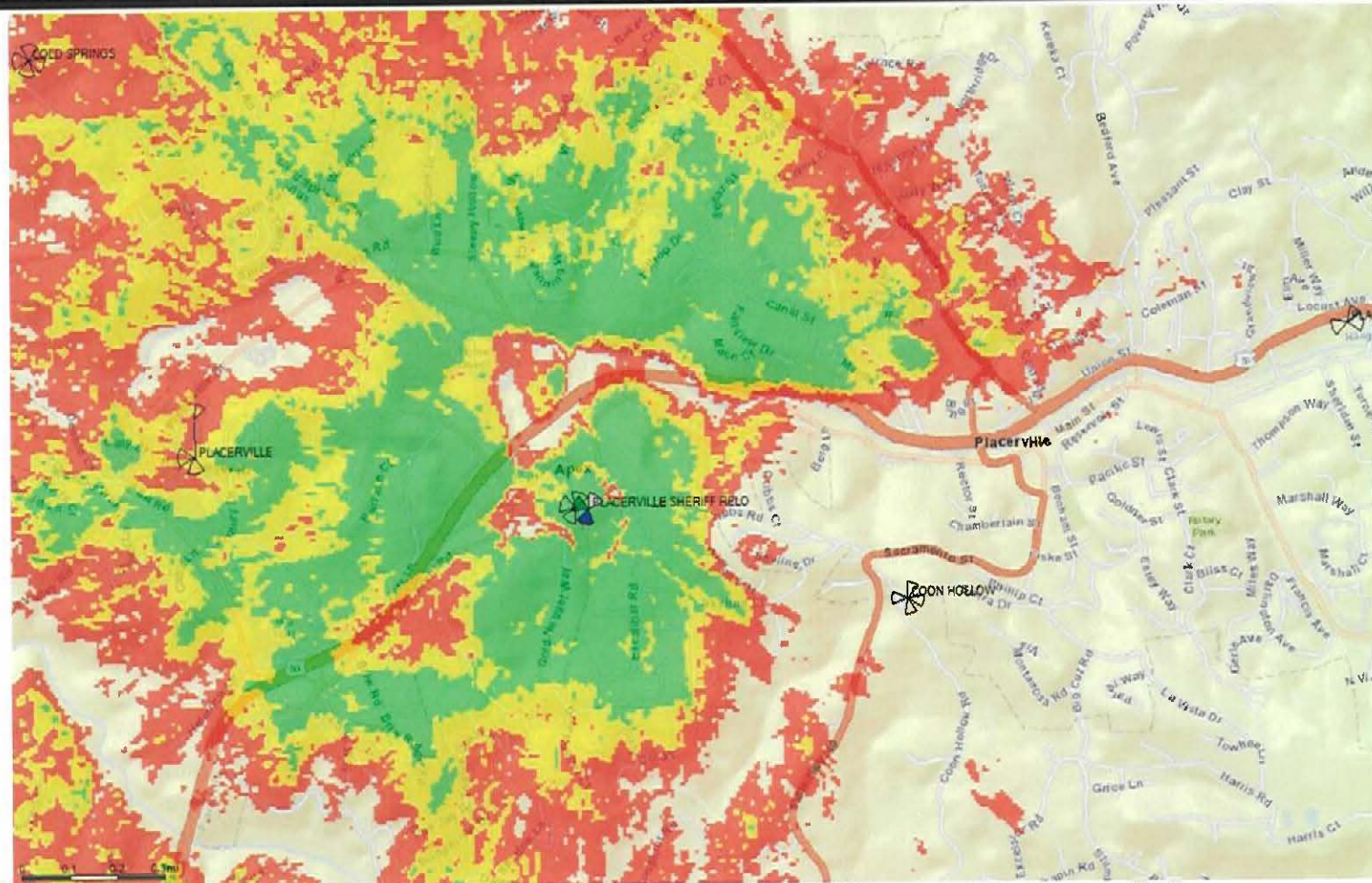


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PLANNING AND BUILDING DEPARTMENT

AWS – COVERAGE WITH RELO/PERM SITE ONLY



RSRP (DL) (dBm) ≥ -85 (INDOOR)
RSRP (DL) (dBm) ≥ -95 (IN-VEHICLE)
RSRP (DL) (dBm) ≥ -105 (OUTDOOR)

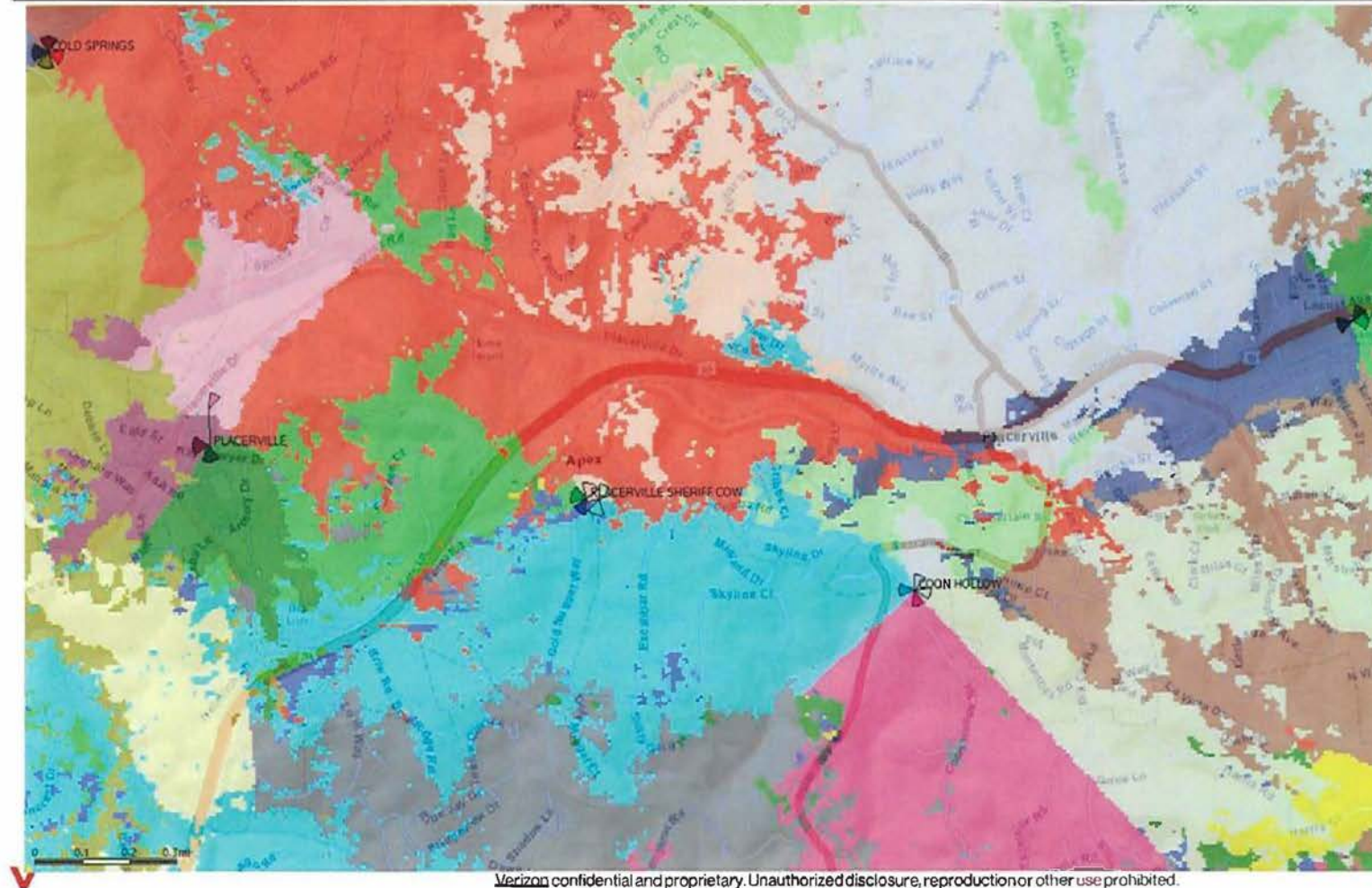
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AWS – EXISTING SERVER WITH THE COW/TEMP



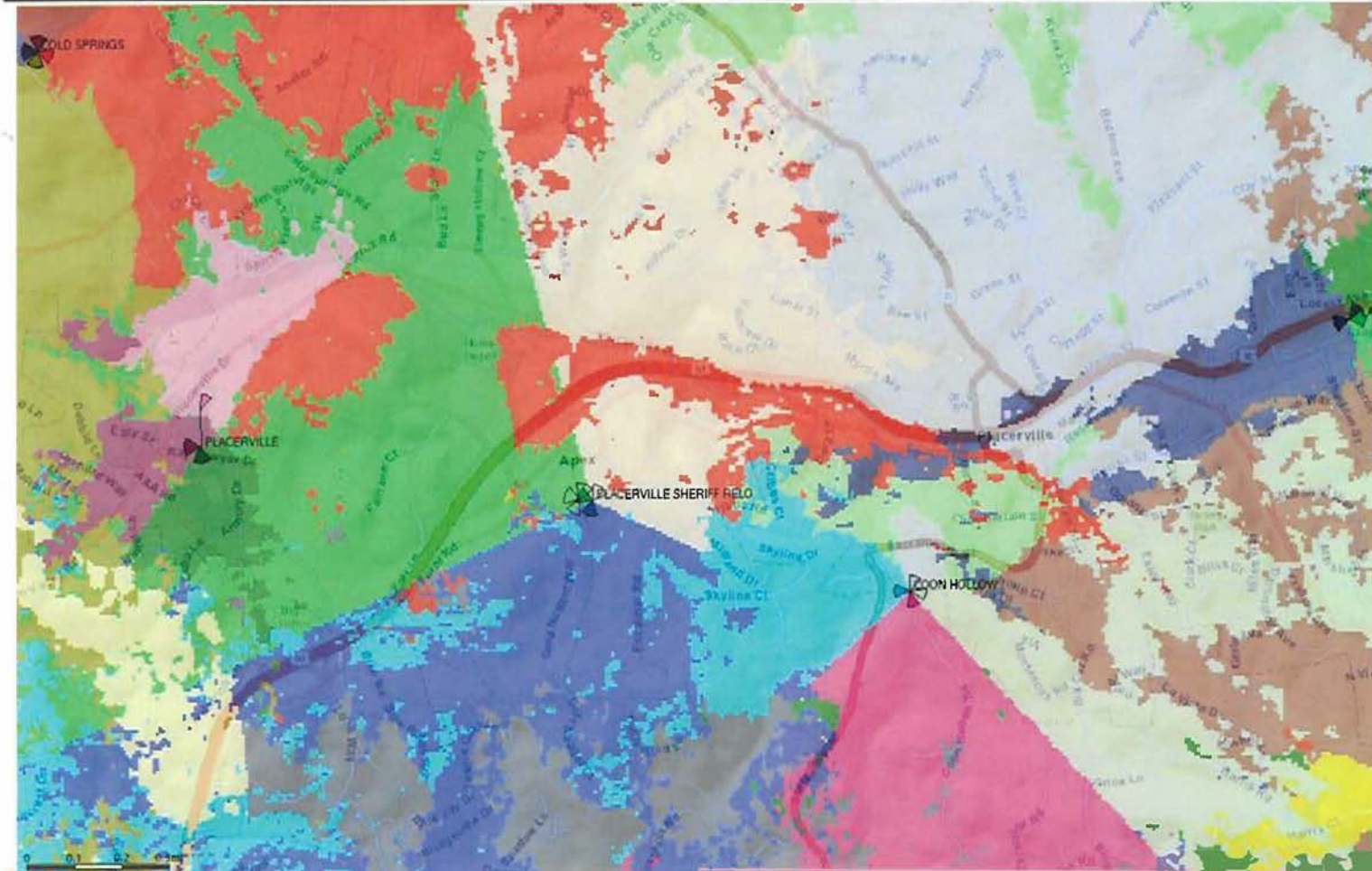
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AWS – SERVER WITH RELO/PERM SITE



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PLANNING AND BUILDING DEPARTMENT

Alternative Site Locations



Green pin - Currently proposed site location (American Tower owned structure)
Yellow pin - The previously evaluated candidate—a Crown Castle—owned structure—had received Planning approval under CUP-R21-0008; however, lease constraints prevented the project from moving forward.



September 8, 2021

**Applicant:
Crown Castle
Placerville Sheriff
BU 827149**

Alternative Site Analysis – CUP-R21-0008

Background:

A planning application was submitted on behalf of Crown Castle to replace an existing 60' tall wireless communications tower at an existing wireless communications facility with a new 90' tall, multi-carrier tower. Installing towers that support multiple wireless carriers decreases the need for additional towers in the same area.

Terrain in this area of Placerville consists of rolling hills and valleys. The location of this facility is optimal based on its relative elevation and provides voice, data and 911 emergency communications to the area. Coverage includes both east and west US50 and residents to the south of US 50 as well as residents to the north of US 50. This facility also provides coverage to the El Dorado Co. Jail and EL Dorado Co. Government Center north of US50.

Alternate Site Analysis:

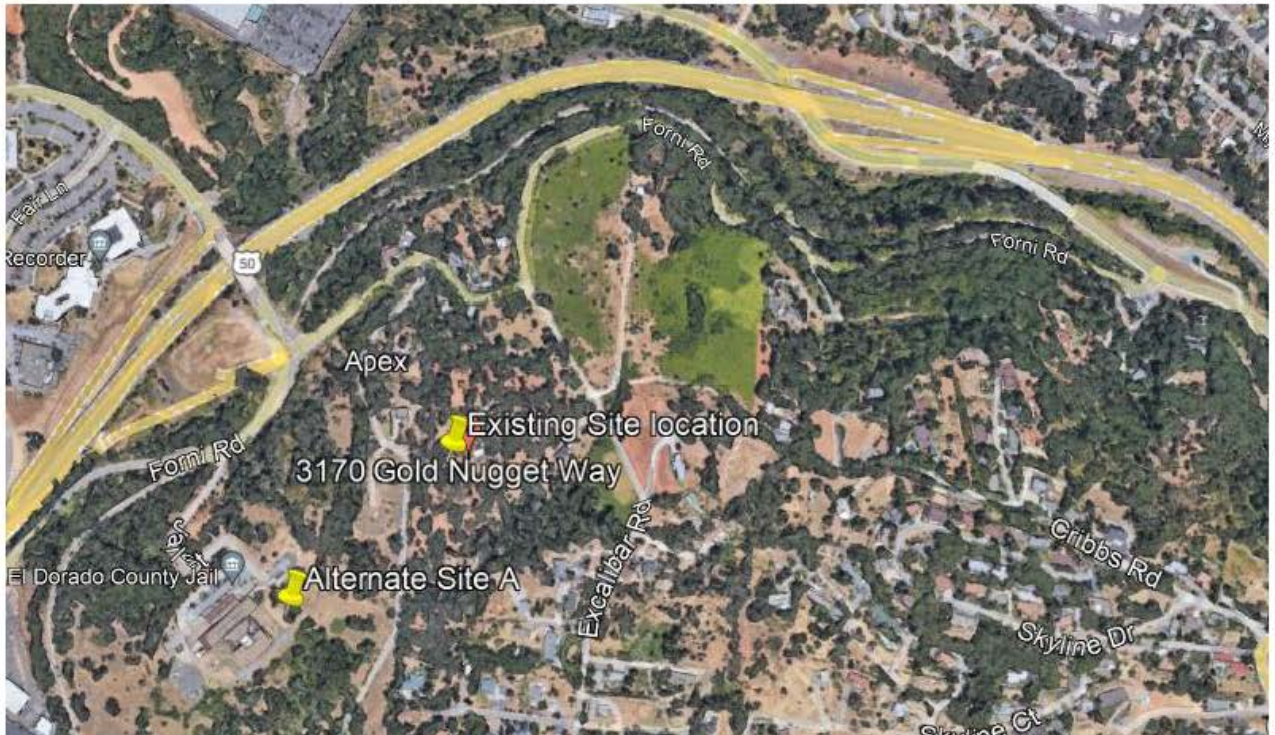
Two alternate sites were analyzed that had potential to maintain the coverage objectives of the existing facility. Coverage analyzed below. All other parcels were either high-density residential or could not meet the existing coverage objective.

Alternate Site A

El Dorado County Jail
300 Forni Rd,
Placerville Ca

Coverage:

Based on the relative elevation and installing a 90' tower, coverage would be degraded in this location. Ground elevation is approximately 100' lower than the existing site and carriers would lose coverage to residents to the east and southeast, as well as loss of coverage to eastbound US50. In order to maintain existing coverage objectives in this location, a 190' tower would have to be installed.

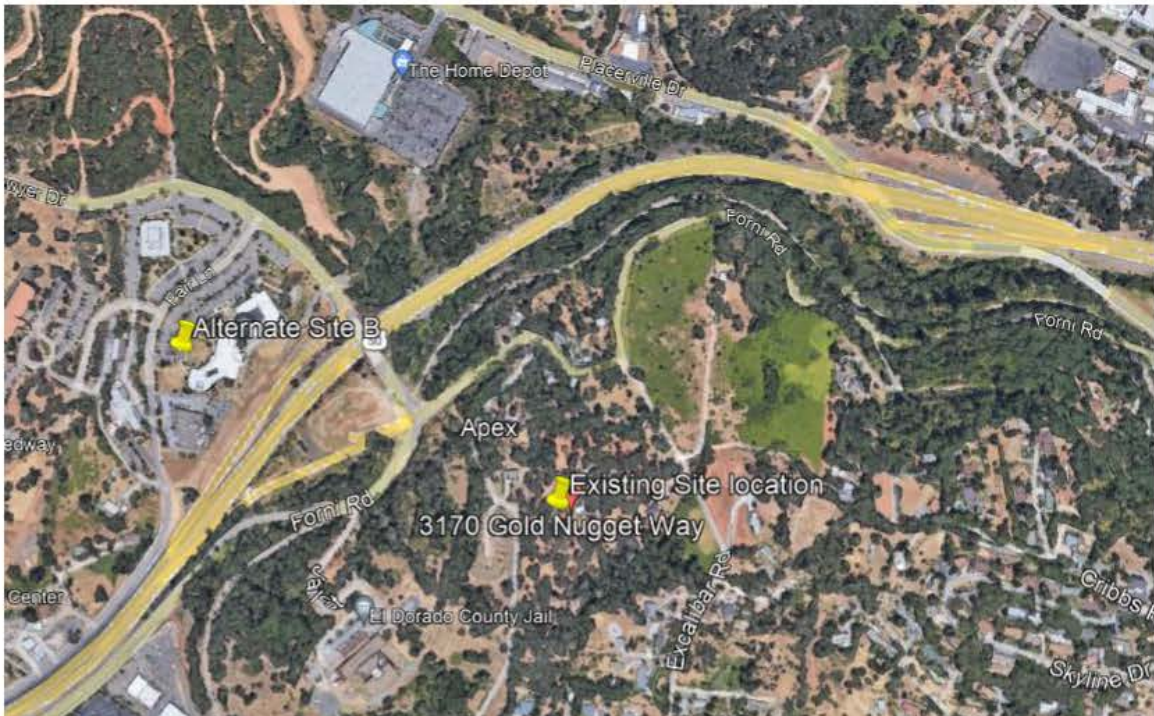


Alternate Site B

El Dorado County Government Center
Fair Ln.
Placerville CA

Coverage:

Based on the relative elevation and installing a 90' tower, carriers would lose coverage in this location. Coverage to residents south of US50 would be severely degraded as well as eastbound US50. To Maintain similar coverage in this location would require a tower that is approximately 250' tall due the ground elevation being approximately 140' lower than the existing location.



Conditions

1. The applicant shall submit a site improvement/grading plan to the department for review and approval. The plan shall be in conformance with the County of El Dorado *Design and Improvement Standards Manual*, the *Grading, Erosion and Sediment Control Ordinance*, and the *Drainage Manual*.
2. The applicant shall be subject to a grading fee commensurate with the scope of the proposed project.
3. The applicant shall be subject to any and all of the requirements of the El Dorado County Fire Protection District prior to obtaining a building permit.
4. Due to the infrequent intended use of this facility, the on-site access driveway shall be a 10-foot minimum width and surfaced with a minimum of 2 inches of asphalt concrete over 4 inches of aggregate base. The hard surfacing is required by the State Fire Safe Regulations for roads and driveways steeper than 15 percent. Compaction of the sub-grade shall be 90 percent, and compaction of the aggregate base shall be 95 percent. The road shall be graded at a 2 percent cross slope toward the cut side with a roadside ditch for drainage.

The road shall be maintained in its current condition. If the road deteriorates, it shall be improved to the existing condition.

5. The applicant shall assume full responsibility for resolving television reception interference caused by the operation of this facility. The applicant shall take corrective action within 30 days of the receipt of any written complaint.
6. The applicant shall obtain a building permit from the El Dorado County Building Department.
7. The applicant shall construct a 6-foot-high chain-link fence with brown and or green vinyl slats around the entire perimeter of the 2,400-square-foot facility for security and aesthetics. The above shall be completed and approved by the Planning Department prior to finaling the project.
8. Existing tree coverage that serves as screening shall be maintained and/or replaced to prevent greater exposure to the tower and accessory facilities.
9. No oaks greater than 6 inches at breast height shall be removed without a 1½ to 1 replacement ratio.

Chairman Tolhurst informed the audience of the ten-day appeal period to the Board of Supervisors.



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NOV 20 2025

**EL DORADO COUNTY
PLANNING AND BUILDING DEPARTMENT**

August 31, 2025

Lauren Jongsma
Epic Wireless
8700 Auburn Folsom Road, Suite 400
Granite Bay, CA 95746

**Ref: Noise Assessment Letter
3170 Gold Nugget Way
Placerville, CA 95667**

The acoustical consultant, Waterford Consultants, has reviewed site plans and equipment noise data related to the proposed installation of the proposed "Placerville Sheriff" unmanned telecommunication facility in El Dorado County, CA for compliance with local & county noise emission restrictions. The following presents their findings.

1.0 ACOUSTIC CRITERIA

El Dorado County establishes the following noise limits for noise emissions by non-transportation sources impacting sensitive land uses:

El Dorado County Ordinance Code - Table 130.37.060.1

Noise Level Descriptor	Daytime 7 a.m. – 7 p.m.		Evening 7 p.m. – 10 p.m.		Night 10 p.m. – 7 a.m.	
	Community / Rural Centers	Rural Regions	Community / Rural Centers	Rural Regions	Community / Rural Centers	Rural Regions
Hourly Leq, dBA	55	50	50	45	45	40
Maximum Level, dBA	70	60	60	55	55	50

The code indicates that these limits shall be applied in Community Regions at the property line of the receiving property, or in rural centers/regions at a point 100 feet away from a sensitive receptor. It further stipulates that the noise limit shall be lowered by 5 dBA for simple tone noises, noises consisting primarily of unamplified speech or music, or for recurring impulsive noises. The use of emergency equipment is exempted from these limits per section 130.37.20(B).

2.0 PROJECT SUMMARY

The Placerville Sheriff project reuses an existing abandoned cellular site and replaces key functional components. The scope includes a new 75 foot tall monopine tower with 17 Verizon wireless antennae and associated electronics. Identified noise generating equipment include two air



conditioning HVAC units to be installed into the existing equipment shelter and a standby backup generator rated for 50kW.

The project site is located in a rural residential area of Placerville, CA upon a leased portion of the El Dorado County property lot 325-290-006. The nearest adjacent lots to the property are lots 325-290-005 to the North, and 325-290-027 to the West.

3.0 NOISE ANALYSIS

3.1 HVAC units

We have reviewed submittal data for Bard type HR58APA05EP "Fusion-Tec" air conditioning HVAC units. These units are rated by the manufacturer for a maximum sound level of 70.7 dBA as measured 10 feet from the outdoor portion of the equipment. This noise level is attributable primarily to the operation of the two-stage scroll compressor and variable speed condenser fan. The unit is designed to utilize "free cooling" opportunities due to cool outdoor temperatures to operate at lower speeds which will reduce both power consumption and noise emissions.

3.2 Generator

We have reviewed submittal data for the Generac type SD50 generator set. The generator is shown equipped with a Level-2 sound attenuated enclosure and integral exhaust silencer. This generator set and enclosure are rated by the manufacturer for a sound pressure level of 71 dBA as measured from a distance of 7 meters (23 feet) under 100% load.

Based on our review of the site plan, the following tables show our projected sound impacts to the adjacent residential zoned properties.

Table 1: Maximum Noise Projections to residential lot 325-290-027 (West)

Device	Maximum Sound Level	Distance to property line	Projected Sound Level
HVAC Units (qty-2)	70.7 dBA @ 10ft (ea)	255 ft	45 dBA
Generator	71 dBA @ 23 ft	275 ft	51 dBA
Total with Generator			52 dBA

Table 2: Maximum Noise Projections to residential lot 325-290-005 (North)

Device	Maximum Sound Level	Distance to property line	Projected Sound Level
HVAC Units (qty-2)	70.7 dBA @ 10ft (ea)	175 ft	48 dBA
Generator	71 dBA @ 23 ft	185 ft	54 dBA
Total with Generator			55 dBA



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As shown, we expect that normal operation of the proposed air conditioning equipment will not exceed a sound level of 48 dBA to any nearby residential property at any time, even when operating at maximum conditions, which complies with all county maximum level requirements for community & rural center adjacencies. During nighttime hours (10pm-7am) when cooling demand is lower due to outdoor temperatures, we expect the average hourly noise levels to drop below the strictest 45 dBA requirement for hourly average noise impacts to the adjacent properties.

We project that operation of the standby generator under full load, in combination with the proposed air conditioning equipment, will not exceed a sound level of 55 dBA at any nearby residential property. While the operation of emergency equipment is specifically exempt from the county noise ordinance, we do note that this level may exceed the established evening and nighttime noise limits. We recommend that all generator maintenance testing intervals be scheduled to occur during daytime hours (7am-7pm) when the noise ordinance is most permissive.

Based on the above discussion and operational recommendations, we find that the proposed equipment will comply with the El Dorado County noise ordinance.

This concludes our comments at this time. Should you have any questions or comments, please do not hesitate to contact us.

Very truly Yours,

Thomas E. Kaytt