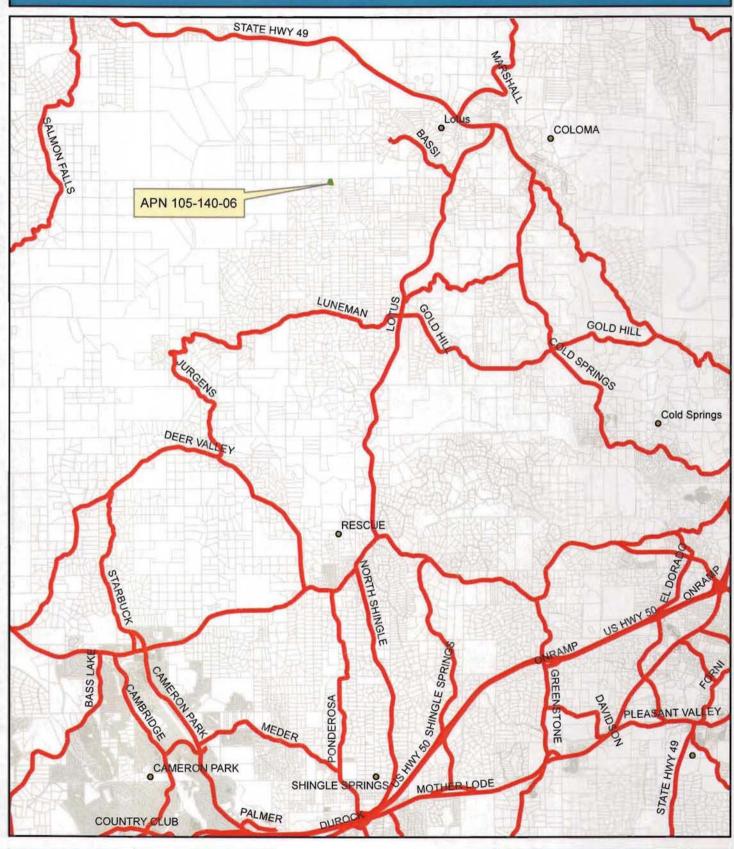
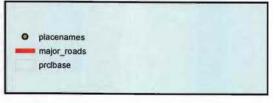
Exhibit A: Location Map



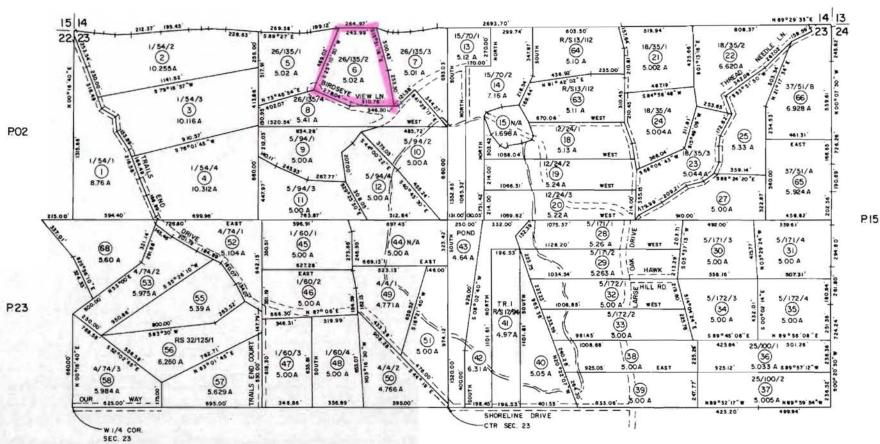








P.02



P16

REV. 4/28/2011

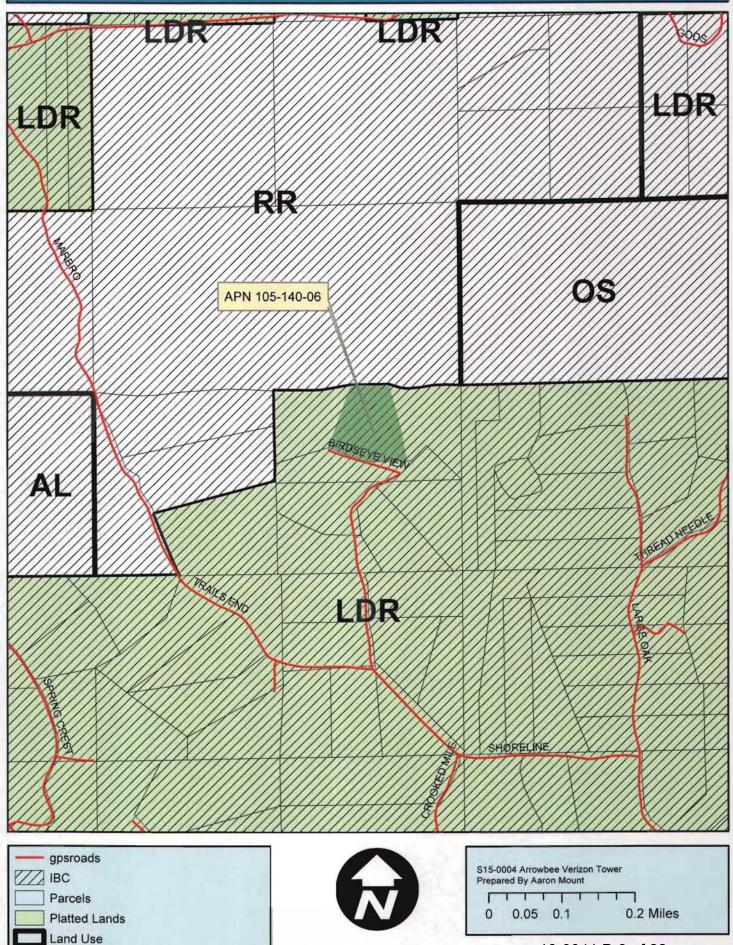
Assessor's Map Bk. 105 - Pg. 14 County of El Dorado, California

THIS MAP IS NOT A SURVEY, It is prepared by the El Darado Co.

NOTE - Assessor's Block Numbers Shown in Ellipses

16-0041 D 2 of 22

Exhibit C: General Plan Map



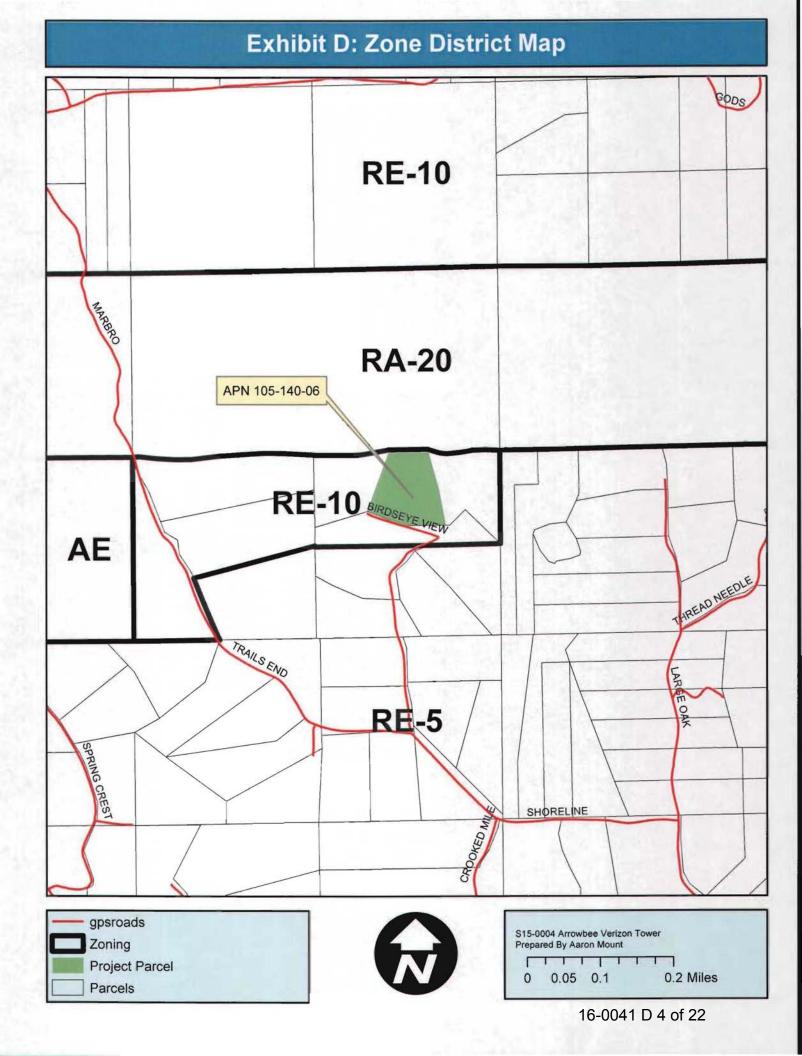
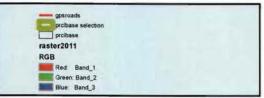


Exhibit E: Aerial Photo







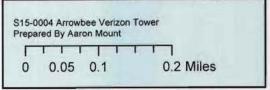


Exhibit F1-F8

PROJECT: Arrowbee Lake - New Build

4131 BIRDSEYE VIEW LANE PLACERVILLE, CA 95667

LOCATION NO: 269257





4131 Birdseye View Lane Placerville, CA 95667

Project Address:

	١,		
,	(Architect:	
		ARCHITECTURE PLANNING INTERIORS	Barchitectural ground by the stone point drawn in 1478 stone point dra
	١l		

PROJECT NO:	20130913306
LOCATION NO:	269257
DRAWN BY:	J.V.M.
CHECKED BY:	B.K.W.

,			
	0	12/02/15	100% ZD Rev 1
	1	06/23/15	100% CD Submitte
	В	11/13/14	95% ZD Submittal
	Α	10/01/14	90% ZD Submittal
	DE\/	DATE	DESCRIPTION

Licensor:

DATE:

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.

12/02/15

100% ZD Rev 1

TITLE SHEET

SHEET NUMBER:

A-0



PROJECT INFORMATION PROJECT TEAM SHEET INDEX REV PROJECT DESCRIPTION Construction Mgr.: Architect / Engineer: TITLE SHEET D NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY. Property Information: EPIC WIRELESS GROUP, INC. BORGES ARCHITECTURAL GROUP, INC. 8700 AUBURN FOLSOM ROAD, SUITE 400 1478 STONE POINT DRIVE, SUITE 350 1. (P) VERIZON WIRELESS OUTDOOR EQUIPMENT ON (P) 33'-4" x 20'-0" STEEL Site Name: ARROWBEE LAKE GRANITE BAY, CA 95746 ROSEVILLE, CA 95661 2. (P) 30kVA DIESEL GENERATOR W/ 132 GALLON UL 142 LISTED TANK ON (P) SURVEY - SITE TOPOGRAPHY C-1 contact: PETE MANAS contact: BRIAN K. WINSLOW Site Number: 20130913306 email: pete.manas@epicwireless.net email: brian@borgesarch.com Property Owner: 3. (P) 90' STEALTH MONOPINE ph: (530) 383-5957 ph: (916) 782-7200 4. ADD (2) 4' MICROWAVE DISHES Search Ring: ARROWBEE LAKE ERIC & ELIZABETH JOHANSON 5. ADD (P) H-FRAME W/ (P) METER, (P) TELCO, AND (P) INTERSECT W/ 4131 BIRDSEYE VIEW LANE Applicant / Lessee: Structural Engineer: Site Address: 4131 BIRDSEYE VIEW LANE PLACERVILLE, CA 95667 . ADD (2) ANTENNAS PER SECTOR (3 SECTORS) TOTAL OF (6) VERIZON WIRELESS NORM SCHEEL STRUCTURAL ENGINEER PLACERVILLE, CA 95667 ADD (9) RRUS TOTAL (3) PER SECTOR (3 SECTORS) 255 PARKSHORE DRIVE 5022 SUNRISE BLVD 8. ADD (4) SURGE SUPPRESSORS, (2) MOUNTED AT TOWER, (2) ON H-FRAME Power Agency: FOLSOM, CA 95630 FAIR OAKS, CA 95628 9. ADD (2) HYBRID FIBER CABLE A.P.N. Number: 105-140-06-10 contact: NORM SCHEEL 10. PLACE (1) GPS ANTENNA ON H-FRAME OVERALL SITE PLAN 11. 6' HIGH CHAIN LINK SECURITY FENCE AROUND LEASE AREA PG&E Corporation email: norm@nsse.com Current Use: LI 1 Market Street, Spear Tower ph: (916) 536-9585 ENLARGED SITE PLAN ph: (800) 743-5000 Zoning: LI Agent for applicant and Planning Survey: **EQUIPMENT & ANTENNA LAYOUTS** and Zoning Mgr: Geil Engineering Jurisdiction: EL DORADO COUNTY Telephone Agency: 1226 High Street EPIC WIRELESS GROUP, INC. Ground Elevation: 1,526' AMSL 8700 AUBURN FOLSOM ROAD, SUITE 400 Auburn, Ca 95603-5015 AT&T California contact: NEIL ROHDE 525 MARKET STREET GRANITE BAY, CA 95746 A-4.2**ELEVATIONS** email: nrohde@pacbell.net contact: MARK LOBAUGH School District: Placerville Union School District SAN FRANCISCO, CA 94105 ph: (530) 885-0426 email: mark.lobaugh@epicwireless.net ph: (800) 310-2355 GENERATOR SPECIFICATION A-5.1 cell: (916) 203-4067 Fire District: Rescue Fire Protection District RF Engineer: VERIZON WIRELESS 255 PARKSHORE DRIVE CODE COMPLIANCE FOLSOM, CA 95630 contact: ERICSON MALANA ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH VICINITY MAP email: ericson.malana@verizonwireless.com THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING ph: (925) 788-1863 AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. DIRECTIONS FROM VERIZON WIRELESS 2013 CALIFORNIA ADMINISTRATIVE CODE, CHAPTER 10, PART 1, TITLE 24 CODE OF DIRECTIONS FROM VERIZON WIRELESS'S OFFICE AT 255 PARKSHORE DRIVE, FOLSOM, CA 2013 CALIFORNIA BUILDING CODE (CBC) WITH CALIFORNIA AMENDMENTS, BASED ON

1. Head northeast on Parkshore Dr toward Coolidge Dr

6. Merge onto us-50 e via the ramp to \$ Lake Tahoe

8. Turn left onto \$ Shingle Rd (signs for US-50 W/Sacramento)

2. Turn left onto Plaza Dr

3. Take the 1st right to stay on Plaza Dr

4. Take the 1st left onto Blue Ravine Rd

7. Take the exit toward South Shingle Rd

10. Continue straight onto Green Valley Rd

5. Turn right onto Prairie City Rd

9. Turn right onto N Shingle Rd

11. Continue onto Lotus Rd

12. Turn left onto Luneman Rd

13. Continue onto Arrowbee Dr

14. Turn left onto Large Oak Dr

Destination will be on the left

15. Take the 1st left onto Shoreline Dr

16. Sharp left onto Birdseye View LN



SPECIAL INSPECTIONS

POST INSTALLED CONCRETE WEDGE ANCHORS

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36".
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS
AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE
ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE
PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE
RESPONSIBLE FOR THE SAME.



T	MICROWAVE:
	TELCO:
	EQUIPMENT:
	PROJECT ADMINISTRATOR:
O ce	WO ADMINISTRATOR:

DISCIPLINE:

SITE ACQUISITION:

CONSTRUCTION:

VERIZON SIGNATURE BLOCK

SIGNATURE:

2013 CALIFORNIA RESIDENTIAL CODE (CRC) WITH APPENDIX H, PATIO COVERS, BASED

2013 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN) (PART 11)

2013 CALIFORNIA FIRE CODE (CFC), BASED ON THE 2012 IFC, WITH CALIFORNIA

2013 CALIFORNIA MECHANICAL CODE (CMC), BASED ON THE 2012 UMC (PART 4)

2013 CALIFORNIA ELECTRICAL CODE (CEC) WITH CALIFORNIA AMENDMENTS, BASED ON

8. 2013 CALIFORNIA PLUMBING CODE (CPC), BASED ON THE 2012 UPC (PART 5)

10. 2013 CALIFORNIA ENERGY CODE (CEC)- AFTER JULY 1, 2014 (PART 6)

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY: U (UNMANNED)

THE 2012 IBC (PART 2, VOL 1-2)

(AFFECTED ENERGY PROVISIONS ONLY)

ON THE 2012 IRC (PART 2.5)

AMENDMENTS (PART 9)

THE 2011 NEC (PART 3)

12. 2012 NFPA 101, LIFE SAFETY CODE

14. 2013 NFPA 13, FIRE SPRINKLER CODE

13. 2013 NFPA 72, NATIONAL FIRE ALARM CODE

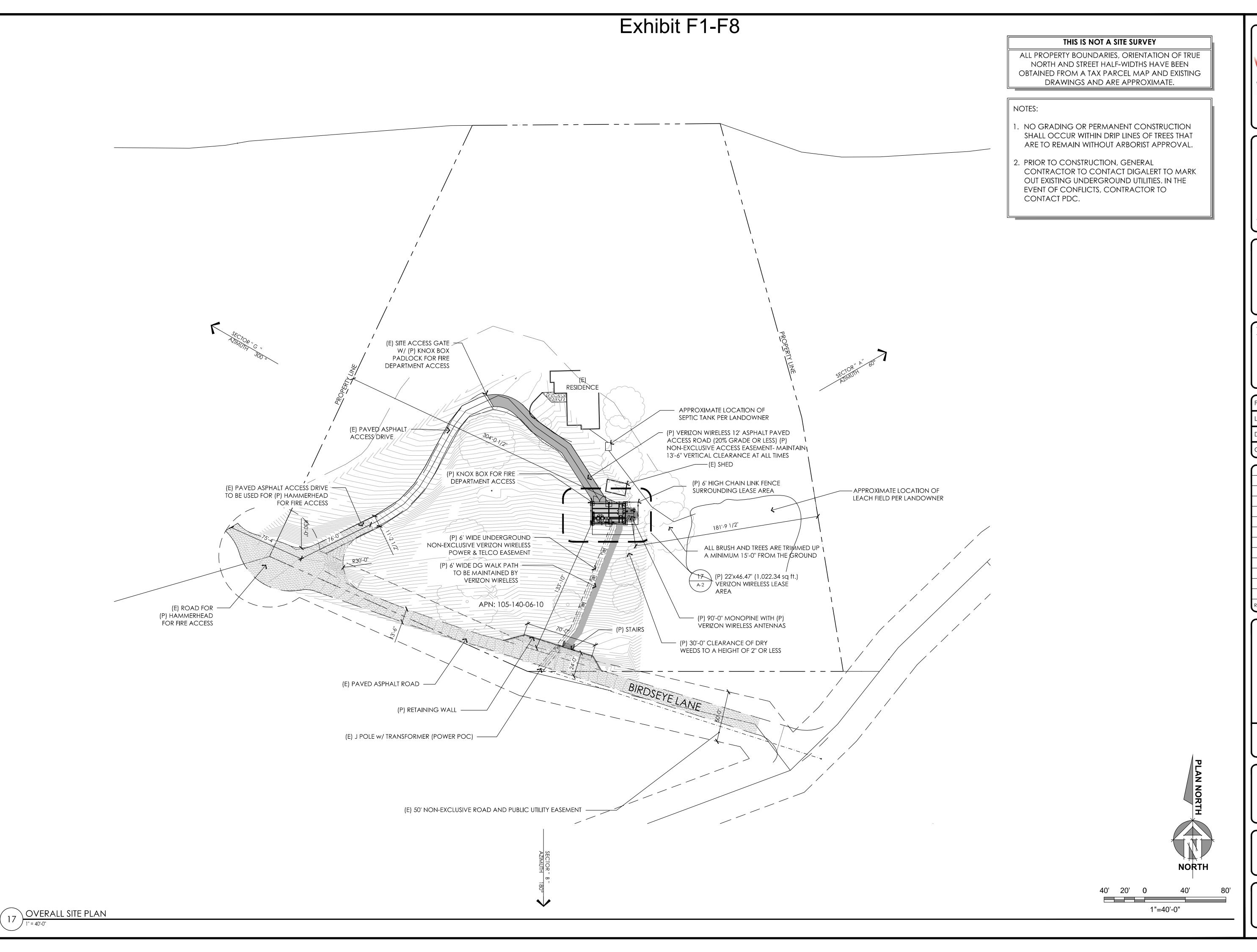
11. ANSI / EIA-TIA-222-G

CONSTRUCTION TYPE: V-B DISABLED ACCESS REQUIREMENTS

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, ACCESSIBILITY ACCESS IS NOT REQUIRED, IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CODE OF REGULATIONS, TITLE 24, PART 2, VOLUME 1, CHAPTER 11B, DIVISION 2, SECTION 11B-203.5

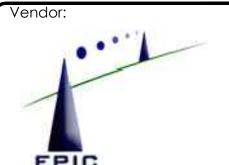
THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS PROJECT Geil Engineering BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD DATE OF SURVEY: 08-22-14 INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL Engineering * Surveying * Planning AREA INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO 1226 High Street TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL. Auburn, California 95603-5015 THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF R.C.E. 14803 REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. Phone: (530) 885-0426 * Fax: (530) 823-1309 NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING TITLE LOCATED IN THE COUNTY OF EL DORADO, STATE OF TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS Verizon Wireless CALIFORNIA ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. Project Name: Arrowbee Lake SHORELINE DRIVE BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY Project Site Location: 4131 Birdseye View Lane Placerville, CA 95667 El Dorado County ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL. Date of Observation: 08-22-14 ENGINEERING

6 * SURVEYING * PLANNING
26 HIGH STREET
N, CALIFORNIA 95603 N.G.V.D. 1929 CORRECTION: SUBTRACT XXX' FROM Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro ELEVATIONS SHOWN. XL post processed with Pathfinder Office software. CONTOUR INTERVAL: 1' Type of Antenna Mount: Proposed Monopine CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA ARROWBEE DRIVE PRIOR TO CONSTRUCTION. Latitude: N 38° 47' 48.74" (NAD83) N 38° 47' 49.10" (NAD27) Longitude: W 120° 56' 38.03" (NAD83) W 120° 56' 34.24" (NAD27) ASSESSOR'S PARCEL NUMBER: 105-140-06-10 PLACERVILLE, CA VICINITY MAP ELEVATION of Ground at Structure (NAVD88) 1526' AMSL ERIC & ELIZABETH JOHANSON 4131 BIRDSEYE VIEW LANE 18"0AK CERTIFICATION: I, the undersigned, do hereby certify elevation listed above PLACERVILLE, CA 95667 SPLIT 6-12"0AK is based on a field survey done under my supervision and that the accuracy of those elevations meet or exceed 1—A Standards as defined in / GROUP/ SCRUB ÓAK the FAA ASAC Information Sheet 91:003, and that they are true and accurate to the best of my knowledge and belief. UNIMPROVED ACCESS ROAD Kenneth D. Geil California RCE 14803 WOOD STEPS Lease Area Description All that certain lease area being a portion of that certain Parcel 2 as is shown on that certain Parcel Map Recorded at Book 26 of Parcel Maps at Page 135, Official Records of El Dorado County, California, and being a portion of Section 23, Township 11 North, Range 9 East M.D.B. & M. being more particularly described as follows: Commencing at a 3/4" Capped Iron Pipe stamped LS4434 set for the Southeast corner of the above referenced parcel 2 from which a similar monument bears West 200.03 feet; thence from said point of commencement North 54°22'59" West 248.41 feet to the True Point of Beginning; thence from said True Point of Beginning West 46.47 feet; thence North 22.00 feet; thence East 46.47 feet; thence South 22.00 feet to the True Point of Beginning. Together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: Beginning at a point on the South boundary of the above described lease area which bears West 24.54 feet from the Southeast corner thereof and running thence South 3.43 feet; thence South 21°23'26" West 106.68 feet; thence South 39°18'56" West 51 feet more or less to the existing utility pole. GRASS/ÁREA Also together with a non-exclusive easement for access purposes six feet in width the centerline of which is described as follows: Beginning at a point on the South boundary of the above described lease area which bears West 18.54 feet from the Southeast corner thereof and running thence South 4.56 feet; thence South 21°23'26" West 108.76 feet; thence South 39°18'56" West 19 feet more or less to the existing access improvements. 8"DECIDUOUS | Also together with a non-exclusive easement for access purposes being twelve feet in width from the above described lease area Northwesterly to the existing access roadway; thence over and across the underlying parcel and existing traveled way as shown on the "Overall Site Plan" to the existing non-exclusive road easement; thence over and across said road easement to the public right of way. Said access to include turn—around and widening areas as shown hereon. APPROXIMATE LOCATION SEPTIC TANK PER SILK TRÉE LANDOWNER 32"OAK-TOP=1587'-FAPPROXIMATE LOCATION LEACH LINE PER 243.99' LANDOWNER VIEW (P) 12' NON-EXCLUSIVE VERIZON WIRELESS ACCESS EASEMENT ARROWBEE BIRDSEYE (CERVILLE, 24"OAK , 10"OAK TOR= 1562 ASPHALT PAVED ACCESS DRIVE-APN: 105-140-05 -*|-|-|-|-|*-|-46:47²-|-_| PROPOSED (P) VERIZON WIRELSS LEASE AREA MONORINE LOCATION APN: 105-140-07 (P) 12' NON-EXCLUSIVE ACCESS EASEMENT APPROXIMATE LOCATION SEPTIC TANK PER ROPOSED-WIDENING--LANDOWNER SEE ARCHITECTURAL PLANS FOR DETAILS - (P)-6' NON-EXCLUSIVE VERIZON WIRELESS --- ACCESS EASEMENT / APPROXIMATE LOCATION APPROXIMATE LOCATION LEACH FIELD PER LEACH LINE PER LANDOWNER LANDOWNER (P) 6'-NON-EXCLUSTAE--24"0AK VERIZON-WIRELESS UTILITY EASEMENT SEE PROJECT AREA ENLARGEMENT 36"OAK (1/2 DEAD) 30"OAK TOP=1543 (P) 6' NON-EXCLUSIVE VERIZON WIRELESS UTILITY EASEMENT (P) 6' NON-EXCLUSIVE VERIZON WIRELESS ASPHALT PAVING-ACCESS EASEMENT 310.78 50' NON-EXCLUSIVE ASPHALT PAVED ACCESS ROAD PROPOSED WIDENING SEE ARCHITECTURAL PLANS -FOR_DETAILS (BIRDSEYE VIEW LANE) 50' NON-EXCLUSIVE ROAD AND PUBLIC UTILITY 56' NON-EXCLUSIVE EASEMENT ROAD AND PUBLIC UTILITY (BIRDSEYE VIEW LANE) APN: 105-140-08 EASEMENT 1996/OR/684 APN: 105-140-0 J-POLE W/ TRANSFORMER PROPERTY BOUNDARY (SHORELINE DRIVE) SCALE 1" = 20J-POLE W/ TRANSFORMER SCALE 1" = PROJECT AREA ENLARGEMENT OVERALL SITE PLAN



verizonwireless

295 Parkshore Drive Folsom, California 94630



8700 Auburn Folsom Road, Suite 400 Granite Bay, California 95746

Project Address:

4131 Birdseye View Lane Placerville, CA 95667

Architect:

ARCHITECTURE
PLANNING
INTERIORS

BARCHITECTURAL GROUP
SUITE 350
ROSEVILLE CA 95661
T1916 773 3027
F1916 773 3027
BORGESARCH.COM

PROJECT NO: 20130913306

LOCATION NO: 269257

DRAWN BY: J.V.M.

CHECKED BY: B.K.W.

0 12/02/15 100% ZD Rev 1
1 06/23/15 100% CD Submittal
B 11/13/14 95% ZD Submittal
A 10/01/14 90% ZD Submittal
REV DATE DESCRIPTION

Licensor:

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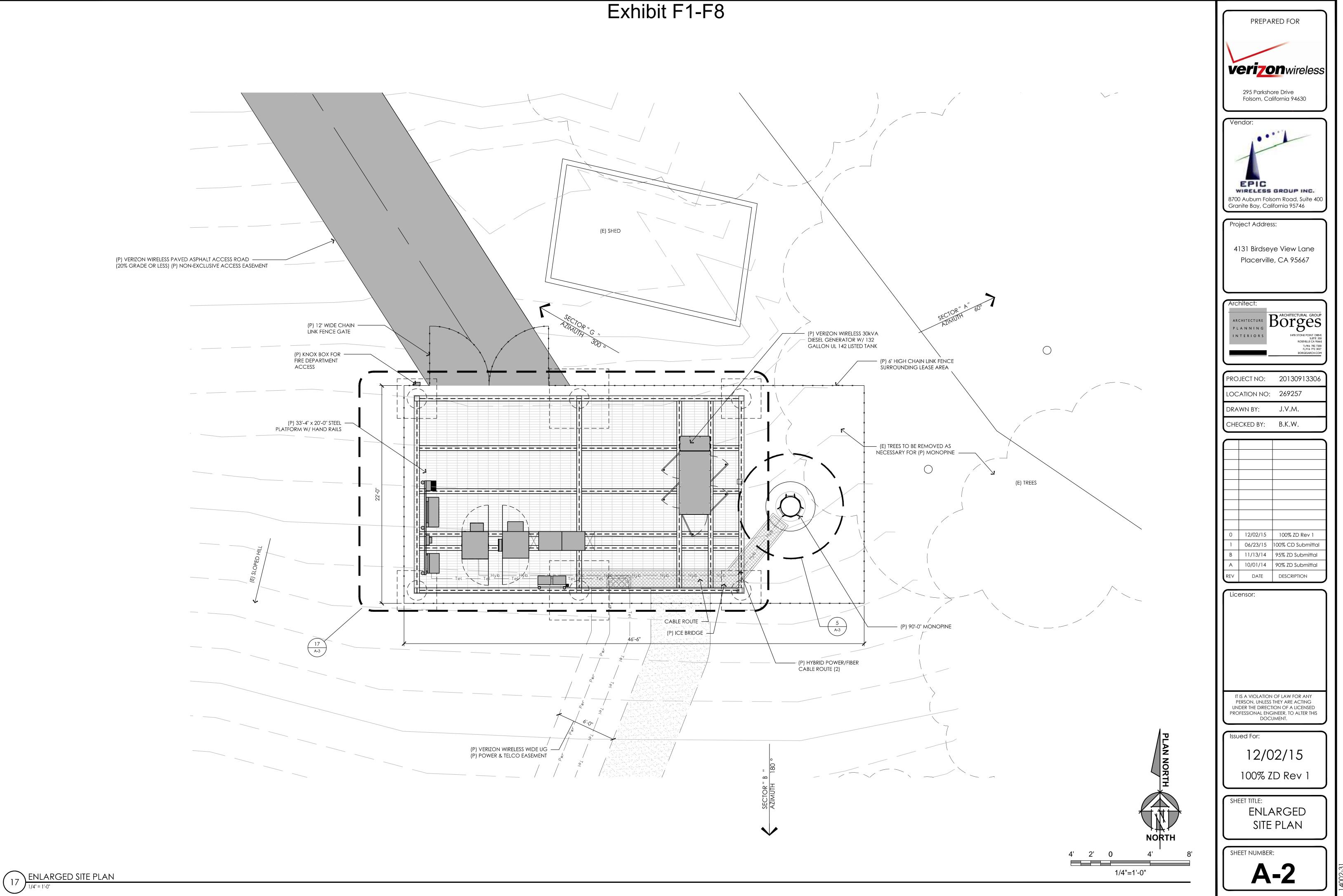
Issued For: 12/02/15

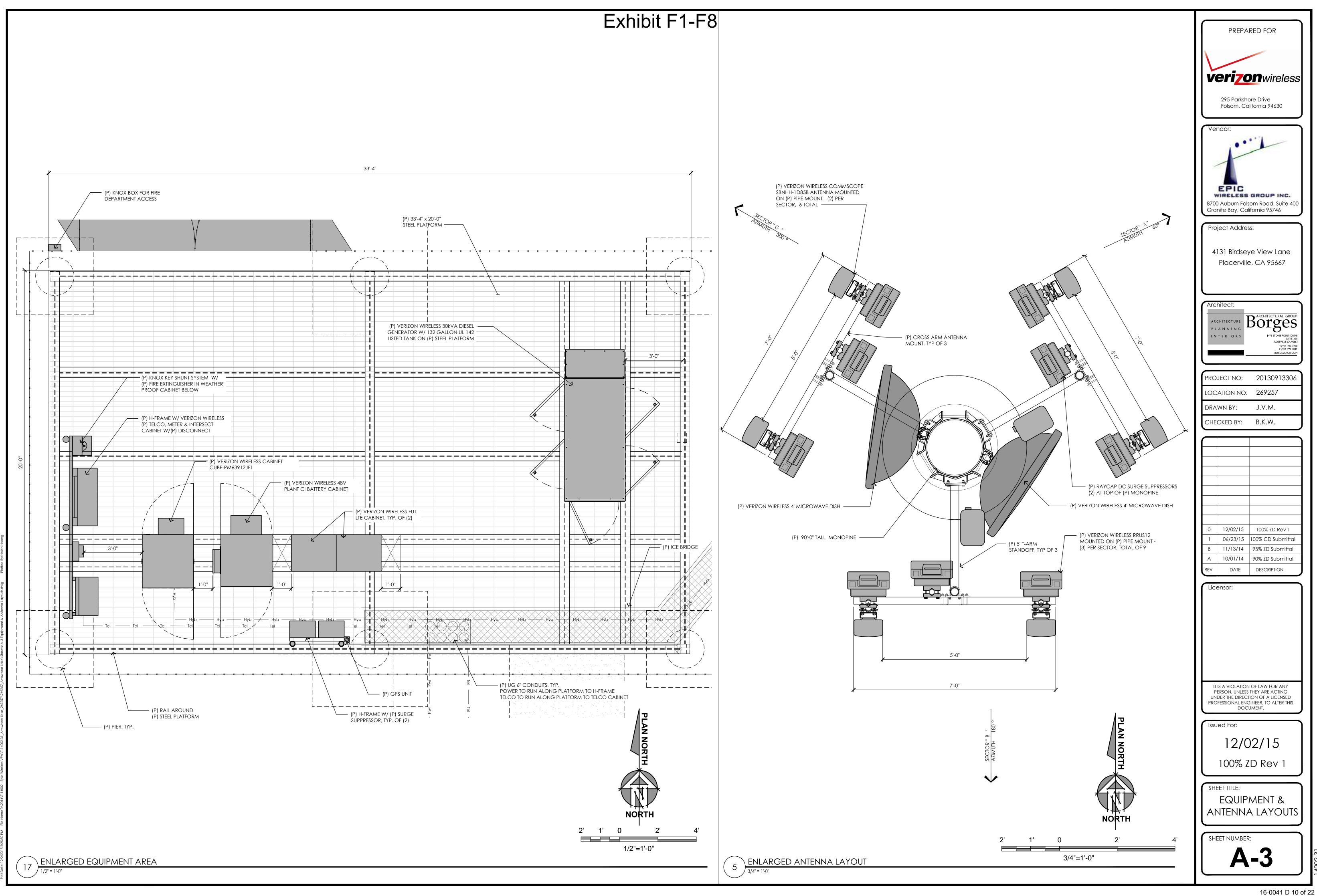
100% ZD Rev 1

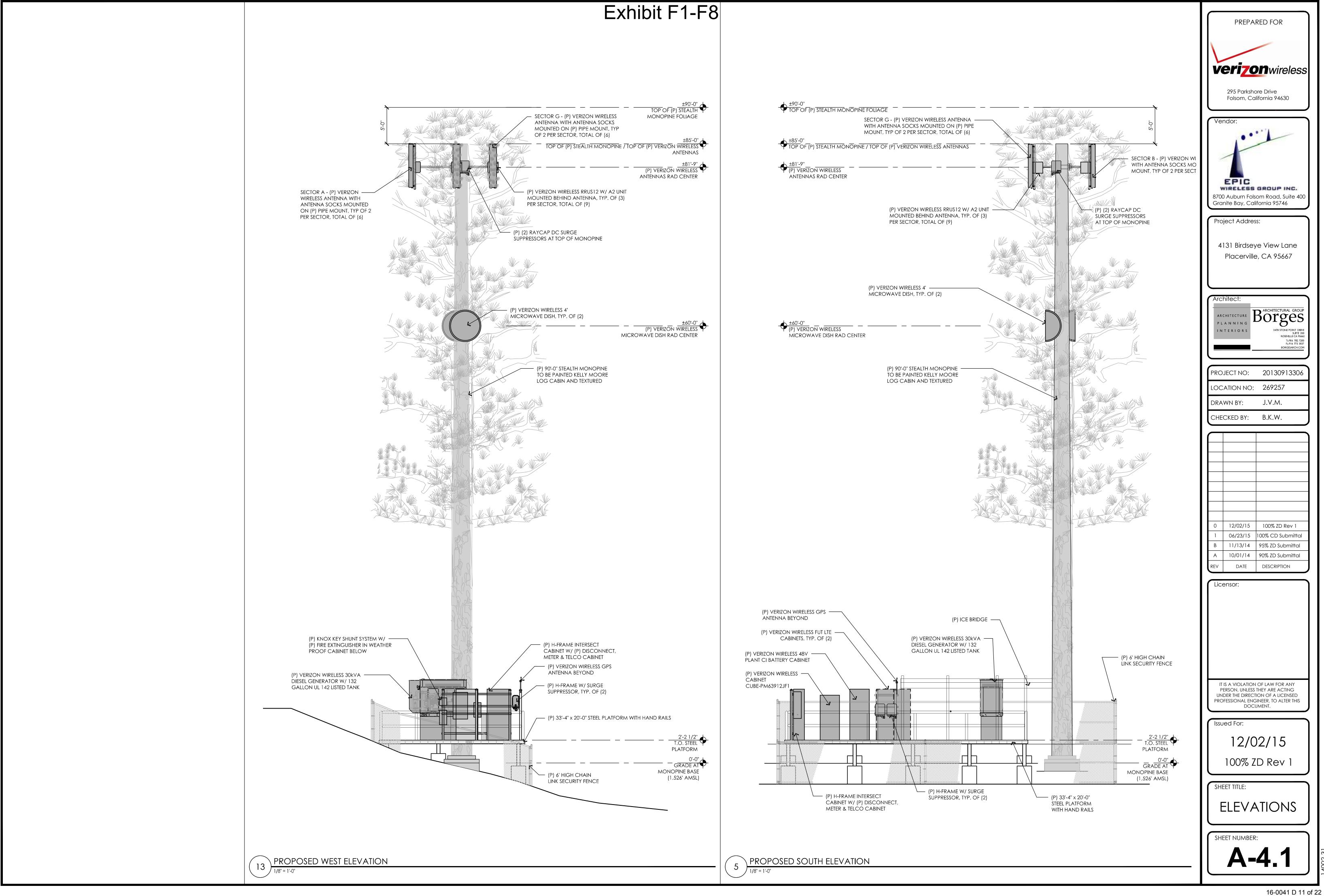
OVERALL
SITE PLAN

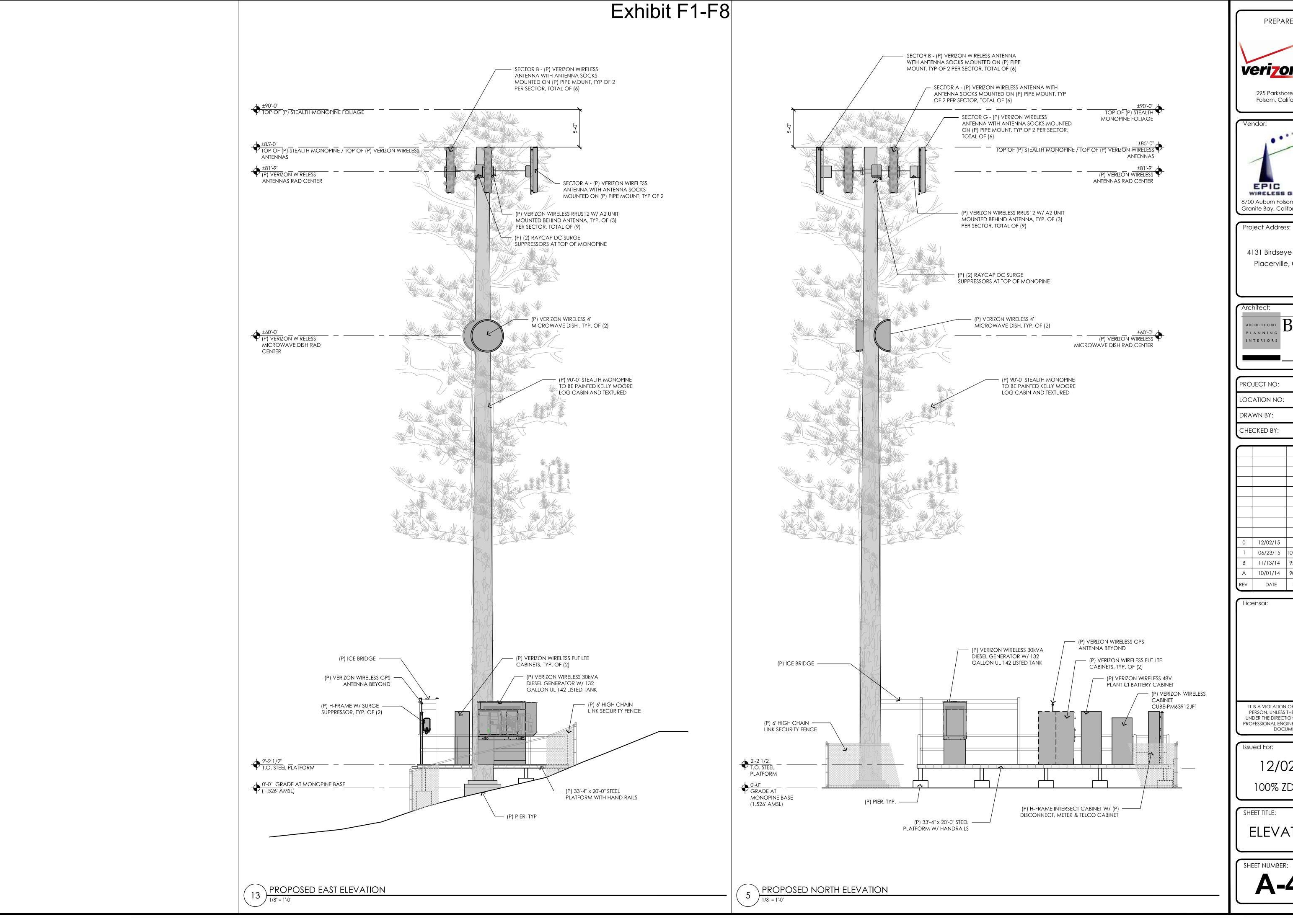
SHEET NUMBER:

A-1









PREPARED FOR **veri**zonwireless 295 Parkshore Drive Folsom, California 94630



4131 Birdseye View Lane Placerville, CA 95667

architecture Barchitectural group INTERIORS

PROJECT NO: 20130913306 LOCATION NO: 269257 J.V.M. DRAWN BY: CHECKED BY: B.K.W.

0	12/02/15	100% ZD Rev 1
1	06/23/15	100% CD Submittal
В	11/13/14	95% ZD Submittal
Α	10/01/14	90% ZD Submittal
REV	DATE	DESCRIPTION

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Issued For: 12/02/15 100% ZD Rev 1

ELEVATIONS

GENERAC INDUSTRIAL

Industrial Diesel Generator Set

EPA Emissions Certification: Tier 4i

Standby Power Rating 37.5kVA 30kW 60 Hz

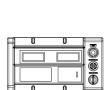
Prime Power Rating* 30kVA 24KW 60 Hz



*EPA Certified Prime ratings are not available in the U.S. or its Territories for engine model year 2011 and beyond



primary codes and standards



Diesel

30

Alternator Upsizing

 Anti-Condensation Heater Tropical coating

Permanent Magnet Generator

benefits features

Generator Set PROTOTYPE & TORSIONALLY TESTED UL2200 TESTED RHINOCOAT PAINT SYSTEM IMPROVES RESISTANCE TO ELEMENTS WIDE RANGE OF ENCLOSURES AND TANKS PROVIDES A SINGLE SOURCE SOLUTION

 EPA COMPLIANT INDUSTRIAL TESTED, GENERAC APPROVED POWER-MATCHED OUTPU' INDUSTRIAL GRADE

 TWO-THIRDS PITCH LAYER WOUND ROTOR & STATOR CLASS H MATERIALS DIGITAL 3-PHASE VOLTAGE CONTROL

 ENCAPSULATED BOARD W/ SEALED HARNESS EASY, AFFORDABLE REPLACEMENT 4-20mA VOLTAGE-TO-CURRENT SENSORS





ENGINEERED FOR PERFORMANCE

▶ ELIMINATES HARMFUL 3RD HARMONIC

HEAT TOLERANT DESIGN

FAST AND ACCURATE RESPONSE

IMPROVES LONGEVITY AND RELIABILITY



GENERAC INDUSTRIAL

standard features and options

NERATOR SET		CONTROL SYSTEM	
Genset Vibration Isolation IBC Seismic Certified/Seismic Rated Vibration Isolators Extended warranty Gen-Link Communications Software Steel Enclosure Aluminum Enclosure GINE SYSTEM	Std Opt Opt Opt Opt Opt	Control Panel Digital H Control Panel - Dual 4x20 Display Digital G-100 Control Panel - Touchscreen Digital G-200 Paralleling Control Panel - Touchscreen Programmable Crank Limiter 21-Light Remote Annunciator Remote Relay Panel (8 or 16) 7-Day Programmable Exerciser	
General		Special Applications Programmable PLCRS-232	
Oil Drain Extension	Std	● RS-485	

 Oil Make-Up System AII-Phase Sensing DVR Oil Heater Full System Status Air cleaner Utility Monitoring (Req. H-Transfer Switch) Fan guard 2-Wire Start Compatible Radiator duct adapter Power Output (kW) Power Factor Fuel System Reactive Power Fuel lockoff solenoid All phase AC Voltage All phase Currents Secondary fuel filter Stainless steel flexible exhaust connection Oil Pressure Industrial Exhaust Silencer Coolant Temperature Coolant Level Critical Exhaust Silencer

 Flexible fuel lines Oil Temperature Primary fuel filter Fuel Pressure Single Wall Tank (Export Only) Engine Speed UL 142 Fuel Tank Battery Voltage Frequency Cooling System Date/Time Fault History (Event Log) 120VAC Coolant Heater Low-Speed Exercise Isochronous Governor Control -40deg C - 70deg C Operation

 208VAC Coolant Heater 240VAC Coolant Heater Other Coolant Heater Waterproof Plug-In Connectors Closed Coolant Recovery System Audible Alarms and Shutdowns UV/Ozone resistant hoses Not in Auto (Flashing Light) Factory-Installed Radiator Auto/Off/Manual Switch Radiator Drain Extension E-Stop (Red Mushroom-Type) Engine Electrical System O Remote E-Stop (Break Glass-Type, Surface Mount) O Remote E-Stop (Red Mushroom-Type, Surface Mount) Battery charging alternator

 Battery cables Remote E-Stop (Red Mushroom-Type, Flush Mount) Battery tray NFPA 110 Level I and II (Programmable) Remote Communication - RS232 Battery box Battery heater O Remote Communication - Modem Solenoid activated starter motor O Remote Communication - Ethernet 2.5A UL battery charger 10A Run Relay 10A UL float/equalize battery charger Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)

 Rubber-booted engine electrical connections Oil Pressure (Pre-programmed Low Pressure Shutdown) ALTERNATOR SYSTEM Coolant Temperature (Pre-programmed High Temp Shutdown) Coolant Level (Pre-programmed Low Level Shutdown) UL2200 GENprotectTM Main Line Circuit Breaker Engine Speed (Pre-programmed Overspeed Shutdown) 2nd Circuit Breaker 3rd Circuit Breaker

 Voltage (Pre-programmed Overvoltage Shutdown) Battery Voltage

application and engineering data

ENGINE SPECIFICATIONS			
General		Cooling System	
Make	Generac	Cooling System Type	Closed Recovery
EPA Emissions Compliance	Tier 4 Interim	Water Pump Flow	Pre-Lubed, Self Seali
EPA Emissions Reference	See Emissions Data Sheet	Fan Type	Pusher
Cylinder #	4	Fan Speed (rpm)	2698
Туре	In-Line	Fan Diameter mm (in.)	560 (22)
Displacement - L (cu. in.)	2.4	Coolant Heater Wattage	1500
Bore - mm (in.)	90 (3.54)	Coolant Heater Standard Voltage	120VAC
Stroke - mm (in.)	94 (3.70)		
Compression Ratio	21.3:1	<u>Fuel System</u>	
Intake Air Method	Turbocharged	Fuel Type*	Ultra Low Sulfur Diesel
Cylinder Head Type	Cast Iron	Fuel Specifications	MTDA

Cylinder Head Type Piston Type Aluminum Fuel Filtering (microns) Fuel Inject Pump Make Fuel Pump Type Engine Driven Gear **Engine Governing** Injector Type Mechanical Electronic Isochronous Fuel Supply Line - mm (in.) 7.94 (0.31) Fuel Return Line - mm (in.) $\pm~0.25\%$

Engine Electrical System Lubrication System Oil Pump Type System Voltage Full Flow Oil Filter Type Battery Charging Alternator Crankcase Capacity - L (qts) Battery Size (at 0°C) Battery Group Battery Voltage Ground Polarity

Voltage Regulator Type

Number of Sensed Phases

Regulation Accuracy (Steady State)

Standard Model Poles Field Type Insulation Class - Rotor Insulation Class - Stator Total Harmonic Distortion Telephone Interference Factor (TIF) Standard Excitation Single Sealed Cartridge Coupling Direct, Flexible Disc Load Capacity - Standby Prototype Short Circuit Test

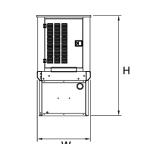
CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

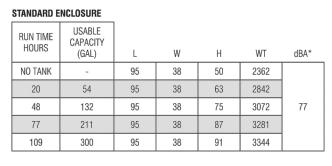
NFPA 110 SAE J1349 ISO 8528-5 DIN6271 ISO 1708A.5 IEEE C62.41 TESTING ISO 3046 NEMA ICS 1

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability. (Max. load factor = 70%) Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. (Max. load factor = 80%) A 10% overload capacity is available for 1 out of

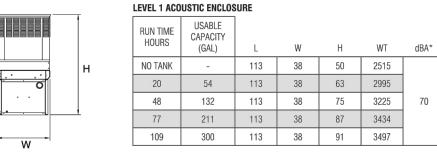
GENERAC INDUSTRIAL dimensions, weights and sound levels SD030 CAPACITY (GAL) 76 38 46 2060 20 54 76 38 59 2540 48 132 76 38 71 2770 77 211 76 38 83 2979

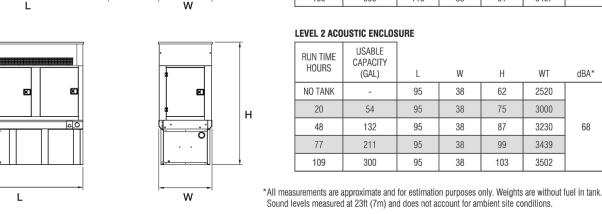






109 | 300 | 93 | 38 | 87 | 3042





Tank Options MDEQ O Florida DERM/DEP Chicago Fire Code IFC Certification O ULC CALL Other Custom Options Available from your

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Generac Industrial Power Dealer Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings. Generac Power Systems, Inc. • S45 W29290 HWY. 59, Waukesha, WI 53189 • generac.com ©2012 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice. Bulletin 0195010SBY-B / Printed in U.S.A. 02/15/12 SD030

operating data (60Hz)

GENERAC | INDUSTRIAL

POWER RATINGS (kW) **STANDBY** PRIME Single-Phase 120/240VAC @1.0pf Amps: 125 24 kW Amps: 100 Three-Phase 120/208VAC @0.8pf Amps: 83 Amps: 104 24 kW Three-Phase 120/240VAC @0.8pf Amps: 72 Amps: 90 Three-Phase 277/480VAC @0.8pf Amps: 36 Three-Phase 346/600VAC @0.8pf 24 kW Amps: 36 Amps: 29

STARTING CAPABILITIES (sKVA)

			sKVA vs. Voltage Dip										
			480VAC							208/2	40VAC		
Alternator	<u>kW</u>	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35
Standard	35	24	36	48	60	72	84	18	27	36	45	54	6
Upsize 1	40	27	41	54	68	81	95	20	31	41	51	61	7
Upsize 2	50	34	52	69	86	103	120	26	39	52	65	77	9

		Fuel Consumption Rates*						
		STANDBY PRIME						
Fuel Pump Lift - in (m)	Perce	ent Load	gph	lph	Percent Load	gph	lph	
36 (.9)	2	25%	0.92	3.5	25%	0.78	3.0	
	5	0%	1.45	5.5	50%	1.04	3.9	
Total Fuel Pump Flow (Combustion + Return)	7	75%	1.96	7.4	75%	1.62	6.1	
4.5 gph	1	00%	2.74	10.4	100%	2.4	9.1	
* Refer to "Emissions Data Sheet" for maximum fuel flow for EPA and SCAQMD permitting purposes							ng purposes.	

		STANDBY	PRIME
Coolant Flow per Minute	gpm (lpm)	10 (38)	10 (38)
Heat Rejection to Coolant	BTU/hr	111,000	99,000
Inlet Air	cfm (m3/hr)	4,500 (7647)	4,500 (7647)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)	122 (50)
Max. Operating Ambient Temperature	F° (C°)	104 (40)	104 (40)
Coolant System Capacity	gal (L)	2.8 (10.95)	2.8 (10.95)
Maximum Radiator Backpressure	in H ₂ 0	1.5	1.5

COMBUSTION AIR REQUIREMENTS

Instrument

Flow at Rated Power cfm (m3/min) 90 (2.55) 90 (2.55)

		STANDBY	PRIME			
Rated Engine Speed	rpm	1800	1800			
Horsepower at Rated kW**	hp	49	49			
Piston Speed	ft/min (m/min)	1110 (338)	1110 (338)			
BMEP	psi	153	123			
** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.						

STANDBY PRIME Exhaust Flow (Rated Output) cfm (m³/min) 230 (391) 217 (368) Max. Backpressure (Post Silencer) inHg (Kpa) 1.5 (5.1) 1.5 (5.1) °F (°C) 850 (454) 775 (413) Exhaust Temp (Rated Output) NPT (male) 63.5 (2.5) 63.5 (2.5) Exhaust Outlet Size (Open Set)

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

GENERAC

TES1358

2.4 Liter Level 2A

Octave Band Sound Data SD030 2.4 Liter Diesel

Test Date 3/14/2013 **Engine Firing Frequency** 60 **Test Request #** A-2-3738A- T12 Alt Fan Frequency Cooling Fan Frequency Generator Model SD030 2.4 Liter 416 Enclosure Level 2 A Verizon **Test Conditions** Sunny Unit Dimensions Temp ° F Barometric Pres 30.65 Engine 2.4 Liter Generac Diesel 30 kW 390 mm 240V 1 Ø Alternator Wind Speed mph 2-4 Muffler Standard Engine Speed Test Location Waukesha Fuel #2 Diesel

Test Load: 0 kW 240 Volt OCTAVE BAND CENTER FREQUENCY MICROPHONE 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dB_A LOCATION 24.9 50.0 55.5 49.6 55.1 47.5 45.7 41.5 33.9 61.2
 25.0
 52.0
 55.5
 50.5
 56.5
 48.2
 50.4
 42.3
 38.4
 61.8
 RIGHT
 26.8
 47.4
 52.5
 52.1
 56.5
 51.5
 48.3
 44.8
 35.8
 62

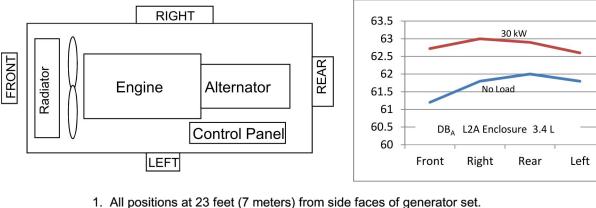
 24.0
 43.4
 54.6
 48.0
 57.2
 46.6
 46.7
 43.6
 36.9
 61.8
 Average 25.2 48.2 54.5 50.0 56.3 48.4 47.8 43.0 36.3 61.7

Test Load: 30 kW 240 Volt Distance 7 Meters OCTAVE BAND CENTER FREQUENCY MICROPHONE | 31.5 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | d**B**_A
 21.7
 59.7
 54.3
 49.1
 56.1
 47.5
 46.5
 42.1
 34.5
 62.7

 21.3
 58.5
 56.4
 52.5
 55.4
 50.7
 53.0
 44.2
 38.8
 63.0

 24.1
 55.9
 51.9
 53.1
 56.7
 52.0
 48.8
 45.0
 34.8
 62.9

 26.6
 47.7
 53.5
 48.8
 57.5
 47.2
 48.1
 43.4
 37.4
 62.6
 Average 23.4 55.5 54.0 50.9 56.4 49.4 49.1 43.7 36.4 62.8



2. Test conducted on a 100 foot diameter asphault surface. 3. Data subject to change without notice

GENERAC POWER SYSTEMS, INC Rev 0

Prelim 3/12

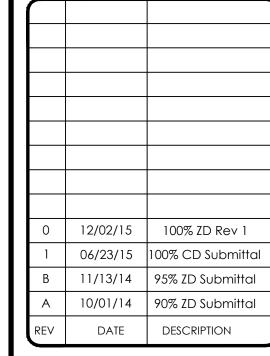
PREPARED FOR **Veri70n**wireless 295 Parkshore Drive Folsom, California 94630

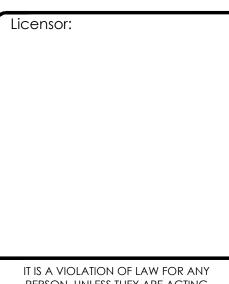


Project Address: 4131 Birdseye View Lane Placerville, CA 95667



PROJECT NO: 20130913306 LOCATION NO: 269257 J.V.M. DRAWN BY: CHECKED BY: B.K.W.





PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Issued For: 12/02/15 100% ZD Rev

SHEET TITLE: **GENERATOR SPECIFICATION**

EXHIBIT G

PROJECT SUPPORT STATEMENT

DEVEPLOMENT APPLICATION FOR VERIZON SITE "ARROWBEE LAKE"

15 FEB 12 PM 4:4

RECEIVED

APN 105-140-06-10

4131 Birdseye View Ln, PLACERVILLE, CA. 95667

INTRODUCTION

Verizon Wireless is seeking to improve communications service in the El Dorado County area near Lotus Road. Verizon would like to increase coverage and capacity in the area by constructing a new telecommunications facility in to improve service for both current and potential customers. Additionally, this network development will increase public safety within these areas and bring wireless service to areas that currently have poor capacity service.

This tower will help alleviate an area of poor coverage and inadequate capacity within this service area, which causes reoccurring lost calls and ineffective service. This site will relieve inadequate capacity in the area due to high cell phone and broadband usage in the greater Arrowbee Lake area. The proposed location of the tower is set within an unutilized portion of this parcel will be designed to comply with all County of El Dorado's wireless design guidelines. The proposed Verizon Communications facility will be located within a 33'x20' fenced compound including: (1) proposed 16' x 11'6" equipment shelter, a 30kw Diesel generator and a 90' stealth monopine, and is designed to blend in with the existing trees nearby. This tower will accommodate (3) sectors with (2) antennas per sector, (3) remote radio units (RRU's) per sector. This tower has been designed to accommodate future collocation by other carriers. This site is constructed atop a raised steel platform in order to minimize the amount of earth work needed to achieve a flat site. As such, very little soil will need to be graded for this site. This site lies in an area that is well screened from public views by se Rejected by Verizon, in adequate coverage capability. The proposed site is well screened from public view by several large mature trees and has been selected due to its location on a hill top, adequately positioned to provide coverage in the intended service area.

The parcel selected for this communication is owned by Eric and Elizabeth Johanson and totals 5.02 acres. The location for this project is situated approximately 1.77miles from Lotus Road.

This unmanned facility will provide service to area travelers, residents and businesses 24 hours a day, 7 days a week. This site will also serve as a back up to the existing landline service in the area and will provide improved mobile communications, essential to modern day commerce and recreation.

ALTERNATIVE LOCATIONS REVIEWED BUT NOT SELECTED

1310 Large Oak Drive
4590 Stoney Ridge Rd.
4540 Stoney Ridge Rd.
4541 Burnt Oak Dr.
1310 Large Oa

SAFETY BENEFITS OF IMPROVED WIRELESS SERVICE

Mobile phone use has become an extremely important system for public safety. Along roads and highways without public call boxes, mobile phones are often the only means for emergency roadside communication. Motorists with disabled vehicles (or worse) can use their phone to call in and request appropriate assistance. With good cellular coverage along important roadways, emergency response is

just a phone call away. Furthermore, as a back up system to traditional landline phone service, mobile phones have proven to be extremely important during natural disasters and other catastrophes.

Verizon has taken the responsibility for back-up service very seriously. As such, Verizon has incurred increased expense to install a standby diesel generator at this facility to insure quality communication for the surrounding community regardless of any disaster or catastrophe.

CONVENIENCE BENEFITS OF IMPROVED WIRELESS SERVICE

Modern day life has become increasingly dependent on instant communications. Whether it is a parent calling their child, spouse calling a spouse, or general contractor ordering materials to the jobsite, wireless phone service is no longer just a convenience. It has become a way of life and a way of business.

COMPLIANCE WITH COUNTY DEVELOPMENT STANDARDS

This project has been carefully designed to comply with all applicable standards.

COMPLIANCE WITH FCC STANDARDS

This project will not interfere with any TV, radio, telephone, satellite, or any other signals. Any interference would be against the Federal Law and would be a violation Verizon Wireless' FCC License. In addition, this project will conform to all FCC standards.

TECHNOLOGY AND CONSUMER SERVICES THE CARRIER WILL PROVIDE ITS CUSTOMERS

Verizon offers its customers multiple services such as, voice calls, text messaging, mobile email, picture/video messaging, mobile web, navigation, broadband access. Wireless service enhances public safety and emergency communications in the community. In rural areas such as the subject location, cellular phone service can cover much larger geographic areas than traditional landline phone service.

FUTURE COLLOCATION OPPORTUNITIES

The proposed site has been designed to allow for future co-location opportunities with other carriers. The land lease provides sufficient space for additional service providers and the tower and its foundation are designed for future equipment. This tower will eliminate the need for multiple towers within the same general vicinity as it has been designed to accommodate carriers should they come forward. Additional ground space would need to be leased from the landlord.

LIGHTING

Unless tower lighting is required by the FAA the only lighting on the facility will be a shielded motion sensor light by the door on the equipment shelter for servicing the equipment.

NOISE

The standby generator will be operated for approximately 15 minutes per week for maintenance purposes, and during power outages and disasters.

HAZARDOUS MATERIAL

A Hazardous Material Business Plan will also be submitted upon project completion, and stored on site after construction

ENVIRONMENTAL SETTING

The site is set within a parcel that is zoned LI and is consistent with application design standards in the area and environment.

MAINTENANCE AND STANDY GENERATOR TESTING

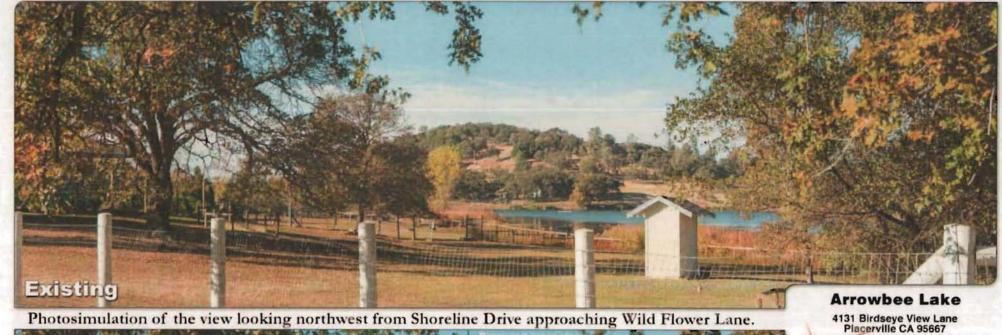
Verizon installs a standby diesel generator and batteries at many of its cell sites. The generator and batteries serve a vital role in Verizon emergency and disaster preparedness plan. In the event of a power outage, Verizon communications equipment will first transition over to the back-up batteries. The batteries can run the site for a few hours depending upon the demand placed upon the equipment. Should the power outage extend beyond the capacity of the batteries, the back-up generator will automatically start and continue to run the site. This two state back-up plan is an extremely important component of Verizon communications sites. Back-up batteries and generators allow Verizon communications sites to continue providing valuable communications services in the event of a power outage, natural disaster or other emergency.

A standby generator will be installed at the site to ensure quality and consistent coverage in the event of a power outage or disaster. This generator will be run for approximately 15 minutes per week for maintenance purposes, and during power outages and disasters.

A technician will visit the site approximately twice a month to check the facility and perform any necessary maintenance.

CONSTRUCTION SCHEDULE

The construction of the facility will be in compliance with all local rules and regulations. The typical duration is two months. The crew size will range from two to ten individuals.



veri onwireless Proposed D Copyright 2014 Previouslists Inc. • www.photolim.com • Any modification is bringly prohibited. Printing letter size or larger is permissible. This photosimulation is based upon in 16-0041 D 17 of 22 Photosimulation of the view looking north from Trail's End Road approaching Trails End Court.

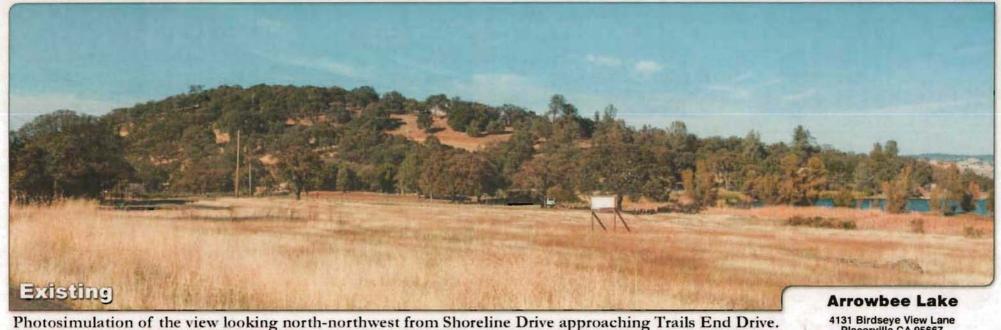
Existing

Proposed

4131 Birdseye View Lane Placerville CA 95667

Arrowbee Lake

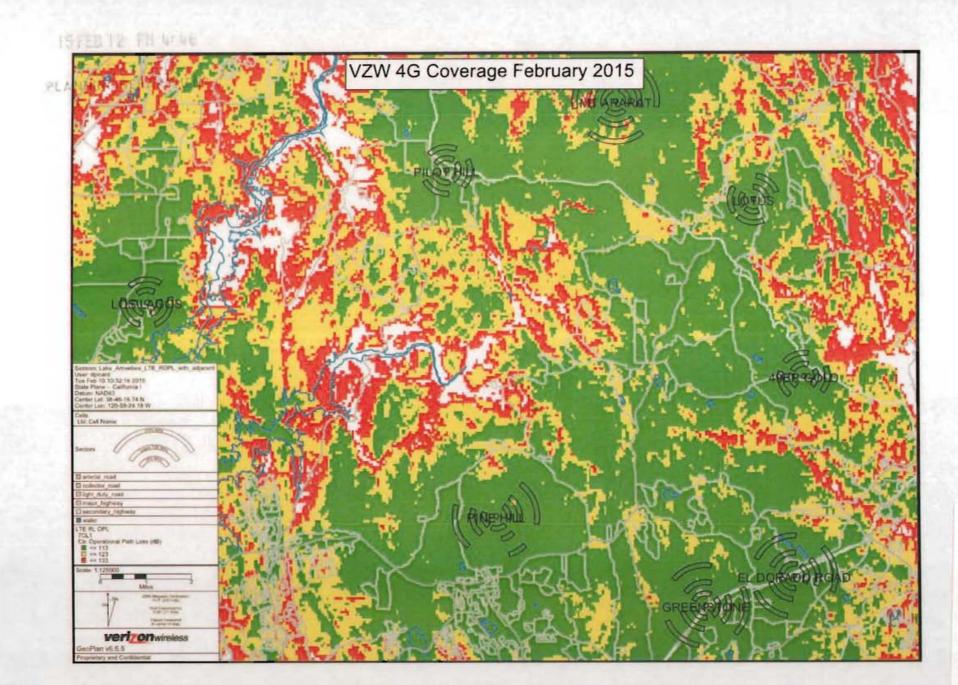
verizonwireless

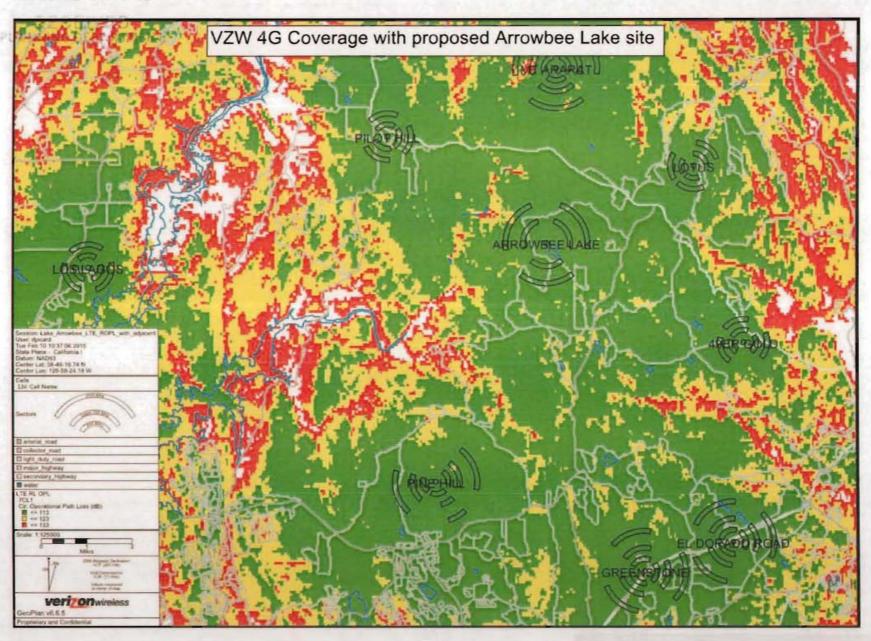


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