

“Placerville, a Unique Historical Past Forging into a Golden Future”



City of Placerville Planning Commission STAFF REPORT

MEETING DATE: March 7, 2017
FILE NO: 3290 Sacramento Street - CUP 10-08-R
PREPARED BY: Andrew Painter, City Planner **DATE:** February 22, 2017

SUBJECT: Request to revise Conditional Use Permit (CUP) 10-08 to allow the addition of a diesel powered 50kW emergency generator to the wireless telecommunication facility located at 3290 Sacramento Street, Placerville. APN 003-081-16 and 051-281-54.

PROJECT DESCRIPTION: General Dynamics, on behalf of New Cingular Wireless PCS, requests a revision to CUP 10-8 that would involve the construction of a new four feet by ten feet (4' x 10') concrete pad within the existing fenced wireless telecommunication facility on which one approximately three feet by eight feet (3' x 8') 50 kW emergency backup generator would be placed, west of the existing ground mounted equipment cabinets.

The generator (Generac SD050) would provide emergency electricity during power failure to the facility through the generation of electricity by diesel engine. Fuel for the generator would be stored in a tank located below the generator. Monthly testing of the diesel generator would run for a duration of thirty (30) minute. This test would be scheduled for 3:30 p.m. on a Tuesday. Maintenance and fueling of the generator would occur typically every six months, or as necessary during emergency situations.

A noise assessment for the generator was prepared by EBI Consulting (October 19, 2016) and submitted by the applicant. It concludes that after sound monitoring conducted on September 17, 2016 and predictive modeling for the project site and vicinity, a worst-case post construction sound level of 56.6 dBA Ldn would be generated at the nearest property line during routine testing of the generator. The installation of the equipment will comply with City of Placerville noise level limit of 60 dBA Ldn at the nearest property line under normal operating conditions.

Site and elevations plans, applicant project description, emergency generator specifications, noise analysis, and photos (typical) of generator installed at another wireless location as provided in the Applicant Submittal Package (**Attachment A**).

BACKGROUND

Applicant / Agent: Carrie Powell, of General Dynamics
New Cingular Wireless, PCS

Property Owner: Comcast of California XV, LLC

Location: 3290 Sacramento Street and 437 Skyline Drive; west of SR 49,
south of Skyline Drive. Assessor's Parcel Numbers: 003-081-16,
051-281-54

Setting: The project site is located on Sacramento Hill, at the southwest corner of the intersection of Sacramento Street (SR 49) and Skyline Drive. See Figure 1. Single-family residential uses exist to the north and west along Skyline Drive and Cribbs Road, to the south and southwest along Good View Court and Coon Hollow Road, and to the east along Sacramento Street.

Zoning of the site and immediate surrounding parcels within the City is R-1, 20,000 (Single-family Residential Zone, 20,000 sq. ft. minimum parcel). Parcels located southwest of the site are within El Dorado County and are zoned R1-A.

The telecommunication facility contains a 65 ft. tall lattice style communication tower; one 320 sq. ft. equipment storage building; one 100 sq. ft. equipment building; five ground mounted equipment cabinets; cyclone fencing and access gate encloses the tower and ground equipment. Vegetated landscaping comprised of trees and shrubs provide additional screening along the north, west and south of the fenced facility. Access to site is via driveway from Skyline Drive.

Figure 1. Project Location

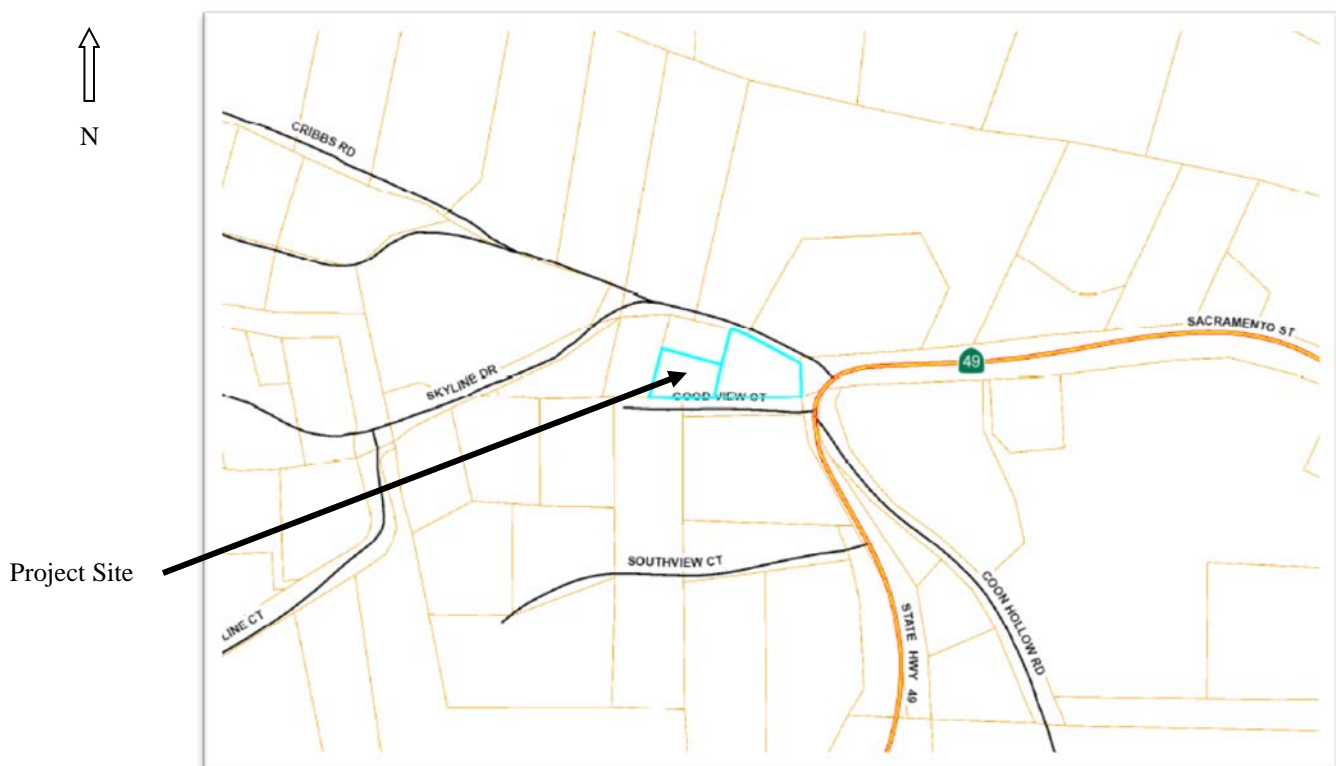


Figure 2. Existing Ground Equipment and Vegetated Screening Along South Facility Boundary



Project Site Permit History:

Figure 3. Project Site Permit History

<u>Year</u>	<u>Planning Application – Site Development Approval</u>
1966	Conditional Use Permit (CUP) 66-01 - Placement of two television communication towers.
1980	CUP 80-12 - Placement of a satellite reception dish antenna on the site.
1983	CUP 83-06 – Expanded antenna receiving site, and new 320 sq. ft. equipment storage building.
1988	CUP 88-09 & Negative Declaration - Replaced two existing guyed towers of 40' and 55' in height with a single self-supporting lattice tower 60' in height. The adopted Negative Declaration document for the facility concluded that the placement of a communication tower on the site resulted in a less-than-significant impact on the environment.
1997	CUP 96-08 - Cellular One (co-locate) Added three whip antennas and one 4' dish antenna on the existing tower and a new 100 s.f. equipment building on the site. Note: <i>CellularOne is now AT&T.</i>
1999	CUP 99-04 – (PageNet co-locate) Added one 4' diameter dish antenna, four omni-whip antennas, one GPS antenna on the existing tower, and three ground-mounted equipment cabinet within the site. Landscape plan approved. Landscape Maintenance Agreement with owner and co-located tenants, PageNet and Cellular One, recorded.
2002	Ministerial construction permit approvals allowing the replacement of four omni-whip antennas with three panel antennas, and the modification of a ground equipment room.
2010	CUP 10-08 – AT&T Wireless granted a 5 ft. extension to the existing 60 ft. lattice tower, adding nine antennas to the tower, and one ground cabinet. Installed under City issued construction permit.

STAFF ANALYSIS: The request would allow operation of the telecommunication facility during power outages, a substantial benefit to those utilizing wireless communication during an emergency. Furthermore, because only minor changes to the existing tower facility are proposed, it appears the request would not be detrimental to the public, safety and general welfare, or injurious to properties or improvements in the vicinity. The generator would be screened from public view, and noise generated during normal operation would not exceed the General Plan noise limit of 60 dBA Ldn at the property line.

ENVIRONMENTAL ASSESSMENT: California Environmental Quality Act Guidelines Section 15301(b), Class 1 exemptions (existing facility) applies to the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private facilities. Staff reviewed the proposed project and did not find any evidence that special circumstances exist that would create a reasonable possibility that the request to add an emergency backup generator for the telecommunication facility will have a significant adverse effect on the environment. Therefore, the proposed project qualifies for the exemption under CEQA Guidelines Section 15301(b).

PLANNING COMMISSION AUTHORITY: Under Sections 10-3-4 and 10-3-6 of the Zoning Ordinance, telephone communication facilities are permitted in any zone with the granting of a conditional use permit by the Planning Commission. The request would revise the City granted CUP 10-08 therefore it is subject to Planning Commission approval at a public hearing.

PUBLIC NOTICE: Notice for the public hearing was published in the Mountain Democrat on February 10, 2017. Written notice was mailed to property owners within 500 feet of the project location. As of the date of this report no public comments have been received.

RECOMMENDATION:

- I. Make the following findings:
 - A. Find that the CUP 10-08-R request is categorically exempt from environmental review pursuant to Section 15301(b) of the California Environmental Quality Act Guidelines, in that there is no evidence that special circumstances exist that would create a reasonable possibility that the request to add an emergency backup generator for the telecommunication facility will have a significant adverse effect on the environment.
 - B. The granting of this CUP 10-08-R request will not be materially detrimental to the public health, safety and general welfare, nor injurious to properties or improvements in the vicinity and the zone in which the facility is located, in that only minor changes are proposed to the existing facility.
- II. Conditionally approve CUP 10-08-R subject to the following conditions, and revised conditions for CUP 10-08:

**CONDITIONAL USE PERMIT (CUP) 10-08 AND CUP 10-08-R
CONDITIONS OF APPROVAL**

CUP 10-08-R Conditions of Approval

1. Approval. Approval of CUP 10-08-R allows the addition of one 50kw emergency backup generator to the existing telecommunication facility. The project is approved as shown in Attachment A of staff's March 7, 2017 staff report, and as conditioned or modified below.
 - a. Project Location. The Project site is located at 3290 Sacramento Street; west of SR 49, south of Skyline Drive. Assessor's Parcel Numbers: 003-081-16, 051-281-54. CUP 10-08-R as amended shall apply only to the project location and cannot be transferred to another parcel.
 - b. Substantial Conformance. The use shall be implemented in substantial conformance to the Conditional Use Permit as approved by the Planning Commission.
 - c. Conditional Use Permit Expiration. The approval of CUP 10-08-R shall expire and become null and void eighteen (18) months after the date of approval unless a construction permit has been obtained for approved generator addition before the date of expiration. Should the construction permit expire, then the conditional use permit approval shall also simultaneously expire. The planning commission may grant a one year extension for the project if the applicant makes such a request and pays a new fee prior to the expiration date.
 - d. Permits. The applicant shall obtain all necessary and appropriate permits for the project, including but not limited to a construction permit, and payment of all required fees.
 - e. Other Applicable Requirements. The project approval is subject to all applicable requirements of the Federal, State, City of Placerville and any other affected governmental agencies.
 - f. Runs with the Land. The terms and conditions of approval of CUP 10-08-R shall run with the land shall be binding upon and be to the benefit of the heirs, legal representatives, successors, and assignees of the property owner.
 - g. Revisions. Any proposed change to the Project Description or conditions of approval shall be submitted to the Development Services Department, Planning Division for determination of appropriate procedures.

CUP 10-08 Revised Conditions of Approval

2. Approval of Conditional Use Permit (CUP) 10-08, allowed the modification of an existing telecommunication facility located at 3290 Sacramento Street by adding a 5 ft. extension to the existing 60 ft. lattice tower, adding nine antennas and one ground cabinet on the site, and relocating three existing antennas subject to the following conditions adopted by City Council on June 14, 2011:

- a. CUP 10-08 shall be granted for the use as approved by the Planning Commission. Substantial revisions and/or expansions of the project will require a new Use Permit, subject to approval of the Planning Commission.
- b. Obtain a Building Permit for all new work. Three copies of construction plans shall be submitted to the Building Division for review, and one copy to the Fire District.
- c. Construction activity shall be limited to that necessary to complete the requested installation of antennas, support structure, cabinet, cables and to maintain existing and install approved landscaping. All construction activity shall be limited between the hours of 7:00AM to 5:00PM Monday thru Saturday. No construction activity is permitted on Sunday, or on state or federally recognized holiday.
- d. The site shall be kept clear of rubbish, debris and unutilized equipment/parts at all times.
- e. Within thirty days of Conditional Use Permit 10-08 approval, three 15 gallon Western Redbud (*cercis occidentalis*) trees shall be planted 20 ft. on center, and three 5 gallon Toyon shrubs shall be planted where shown on and required by the approved 1999 Landscape Plan for the site.
- f. The permittee of the facility shall notify the City in writing of their intent to vacate the site. The permittee will remove all structures and accessory equipment subject to CUP 10-08, and as revised, within twelve months of the date of notice unless the site is to be occupied by a successor.



Andrew Painter, City Planner

Attachment

- A. Applicant Submittal Package

Attachment

A. Applicant Submittal Package

GENERAL DYNAMICS

Information Technology

December 8, 2016

Development Services
City of Placerville
3101 Center Street
Placerville, CA 95667

Subject: Project Narrative
Generator Addition to AT&T Wireless Communication Equipment
West Placerville / 10090492
3290 Sacramento Street, Placerville, CA 95667

AT&T is proposing to add a 50kw emergency backup generator to an existing wireless communication facility located at 3290 Sacramento Street, Placerville, CA 95667. The proposed installation is per an FCC mandate to insure that wireless communication service continues when electric power is unavailable, allowing continuous communication for the safety and security of the community. This necessary equipment is being proposed so that in the event of an emergency, communication is not lost when it is needed the most.

The proposed modification is consistent with the existing land use and zoning ordinances and will not alter the character of the surrounding area. The additional equipment will not affect anyone residing or working in the area, any adjacent properties, the neighborhood or the public welfare. The generator is constructed as to ensure that any safety and containment concerns would be mitigated.

The project installation consists of a new 4x10 concrete pad with diesel generator thereon. No exterior changes will be made to the existing facility nor will there any changes to the existing tower antenna configuration.

The addition would use the existing ingress and egress located on the property and would have no impact on the current vehicular or pedestrian traffic or flow. The equipment installation will not use any public services.

The generator would have a monthly test for maintenance in which it would run for 30 minutes. The test is normally scheduled for 3:30pm on a Tuesday so as not to interfere with public activities. Maintenance and fueling are done at six month intervals or as needed during business hours or as needed in case of emergencies.

Current lighting of the existing facility is adequate and no other exterior light is being proposed.

The generator when running will have a noise level at 71dBA at the site using a level 1 noise enclosure. Per the Environmental Noise Assessment completed for this project the noise level decreases as you move further from the generator. The City of Placerville has a noise level limit of 60dBA and per the assessment this project would not exceed the limit.

An air assessment was completed for El Dorado Air Quality Management and it was determined that an Air Permit will be required. A tank assessment was also completed and it was determined that a Tank Permit from El Dorado County Fire District will also be required. Both the Air and

Tank permits will be applied for through another third party vendor hired by AT&T and will be obtained prior to construction start and installation of the generator.

Please let me know if you have any additional questions.

Sincerely,

Carrie Ann Powell
Site Acquisition Specialist
General Dynamics Wireless Services
(480) 296-7478

Attached Exhibits:

- 15 sets of site plan and elevations of proposed project
- Application for project
- Copy of the lease allowing for the proposed project
- 15 copies of the Environmental Noise Assessment Report
(Generator specifications are included as exhibit in Noise Assessment)

RECEIVED

CITY OF PLACERVILLE
PLANNING APPLICATION

DEC 14 2016

CITY OF PLACERVILLE
COMMUNITY DEV. DEPT

Date: 12/14/16
Zoning: R1-20 GP: _____
File No: CUP 10-08-R
Filing Fee (PZ) \$500.00
Filing Fee (EN) _____
Receipt No: 11580

REQUEST FOR:

- | | | |
|--|---|--|
| <input type="checkbox"/> Annexation | <input type="checkbox"/> Boundary Line Adjustment | <input type="checkbox"/> Certificate of Compliance |
| <input checked="" type="checkbox"/> Conditional Use Permit | <input type="checkbox"/> Environmental Assessment | <input type="checkbox"/> Environmental Impact Report |
| <input type="checkbox"/> Final Subdivision Map | <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> General Plan Consistency |
| <input type="checkbox"/> Historic District Review | <input type="checkbox"/> Landscape Plan Review | <input type="checkbox"/> Minor Deviation |
| <input type="checkbox"/> Planned Development Overlay | <input type="checkbox"/> Preliminary Plan Review | <input type="checkbox"/> Sign Package Review / Amendment |
| <input type="checkbox"/> Site Plan Review | <input type="checkbox"/> Temporary Commercial Coach | <input type="checkbox"/> Temporary Use Permit |
| <input type="checkbox"/> Tentative Parcel Map | <input type="checkbox"/> Tentative Subdivision Map | <input type="checkbox"/> Variance <input type="checkbox"/> Zone Change |

DESCRIPTION:

ITEMS ABOVE THIS LINE FOR OFFICE USE ONLY

City Ordinance #1577 established a Fee & Service Charge System. In some cases project review will require the services of specialists under contract to do work that City staff cannot perform. In these cases, the applicant shall pay the direct cost of these services plus fifteen percent (15%) for City Administration.

PROJECT APPLICANT

NAME NewCingular Wireless, PCS
MAILING ADDRESS 6664 S. DATELAND
SUITE B, TEMPE AZ 85283
PHONE 480-773-9447
EMAIL carrie.powell@gdit.com

APPLICANT'S REPRESENTATIVE (if different)

NAME GENERAL DYNAMICS
MAILING ADDRESS 6664 S. DATELAND
SUITE B, TEMPE AZ 85283
PHONE 480-773-9447
EMAIL carrie.powell@gdit.com

PROPERTY OWNER(S)

NAME Comcast of California XV, LLC PHONE _____
MAILING ADDRESS One Comcast Center 1701 JOHN F. Kennedy Blvd, Philadelphia,
EMAIL ADDRESS _____ PA 19103-2838

SURVEYOR, ENGINEER, ARCHITECT, OR OWNER'S REPRESENTATIVE (If applicable)

NAME MT2 Telecom (Gilbert Lybrie) PHONE 707-374-5075
MAILING ADDRESS 1015-B AIRPORT Rd. RIO VISTA CA 94571
EMAIL ADDRESS _____

I have notified the mortgage holder, which is: _____

DESCRIPTION OF PROPERTY (Attach legal deed description)

STREET ADDRESS 3290 SACRAMENTO ST. PLACERVILLE, CA 95667
ASSESSOR'S PARCEL NO.(S) 003-081-16, 051-281-54
Above described property was acquired by owner on JANUARY 16th 1992
Month Day Year

List or attach any Covenants, Conditions or Restrictions, concerning use of property, of improvements contemplated; as well as yard setback and area or height requirements that were placed on the property by **subdivision** tract developers. Give date said restrictions expire.

city of Placerville COVENANT and Agreement for Landscaping,
Development Services Dept Project N8. Conditional Use permit
1999-04; conditional use permit 2010-08, dated Dec. 3, 2013

CITY OF PLACERVILLE
COMMUNITY DEVELOPMENT & ENGINEERING DEPARTMENT—PLANNING DIVISION
3101 CENTER STREET, PLACERVILLE, CA 95667, (530) 642-5252

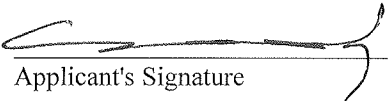
Planning Application 01 2016

I hereby certify that the statements and information contained in this application, including the attached drawings and the required findings of fact, are in all respects true and correct. I understand that all property lines must be shown on the drawings and be visible upon site inspection. In the event that the lines and monuments are not shown or their location found to be incorrect, the owner assumes full responsibility.

I further understand that if this request is subsequently contested, the burden will be on me to establish: that I produced sufficient factual evidence at the hearing to support this request; that the evidence adequately justifies the granting of the request; that the findings of fact furnished by me are adequate, and further that all structures or improvements are properly located on the ground. Failure in this regard may result in the request being set aside, and structures being built in reliance thereon being required to be removed at my expense.

PROPERTY OWNER agrees to and shall hold the CITY, its officers, agents, employees and representatives harmless from liability for damage or claims for damage for personal injury, including death, and claims for property damage which may arise from the direct or indirect operations of the PROPERTY OWNER or those of his contractor, subcontractor, agent, employee or other person acting on his behalf which relate to this project. PROPERTY OWNER agrees to and shall defend the CITY and its officers, agents, employees and representatives from actions for damages caused or alleged to have been caused by reason of the PROPERTY OWNER'S activities in connection with the project. This hold harmless agreement applies to all damages and claims for damages suffered or alleged to have been suffered by reason of the operations referred to in this paragraph, regardless of whether or not the CITY prepared, supplies or approved plans or specifications or both for the project.

PROPERTY OWNER further agrees to indemnify, hold harmless, pay all costs and provide a defense for CITY in any action challenging the validity of PROPERTY OWNER'S project.

	<u>CARRIE ANN POWELL</u>	<u>10/21-16</u>
Applicant's Signature	Printed Name of Applicant(s)	Date

As owner of the property involved in this request, I have read and understood the complete application and its consequences to me as a property owner.

<u>SEE ATTACHED LEASE</u>		
Signature of Property Owner	Printed Name of Property Owner	Date

_____ Signature of Property Owner	_____ Printed Name of Property Owner	_____ Date
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NOTICE: Section 10-3-9 of the Placerville Municipal Code prohibits the occupancy of a building or a release of utilities prior to the issuance of a Certificate of Occupancy by the Building Division AND the completion of all zoning requirements and conditions imposed by the Planning Commission or City Council UNLESS a satisfactory performance bond or other acceptable security has been posted to insure completion. VIOLATIONS may result in prosecution and/or disconnection of utilities.

A Notice of Public Hearing and Staff Report will be prepared for applications requiring public hearing(s). Two Wednesdays prior to the hearing date, the Notice of Public Hearing will be sent to the Applicant and Owner; on the Thursday prior to the hearing date, the Staff Report will be sent to the Applicant and Owner. Notices and Staff Reports will be sent via email if addresses have been provided; if not, the documents will be sent to the mailing addresses provided on this form. Please list below any alternate or additional recipients, along with their contact information, or any alternate instructions for sending these materials to the Applicant or Owner.

File Number: CWP 10-08-R

Date Filed: 1-31-17

CITY OF PLACERVILLE

ENVIRONMENTAL INFORMATION FORM

(To Be Completed By Applicant)

This form is required to be completed, returned and accepted as complete by the City prior to the application for the project is determined complete.

A. GENERAL INFORMATION

Project Title or

Name: AT&T WEST PLACERVILLE

City: PLACERVILLE

Name of Owner: AT&T / Comcast of CALIFORNIA Telephone: 430-773-9447

Address: 10664 S. DATELAND DR. SUITE B Tempe AZ 85283

Name of Architect, Engineer or Designer: MT2 TELECOM

Address: 1015-B Airport Rd, RIO VISTA, CA Telephone: 707-374-5075

Project Location: 3290 SACRAMENTO ST., PLACERVILLE, CA

Assessor's Parcel Number(s): 003-081-16, 051, 231-54

General Plan Designation: AP

Zoning: PVILLE

Property size

Gross (sq. ft./acre): 170 ACRE

Net (sq. ft./acre) (total minus areas of public streets and proposed dedications): 170

Please answer all of the following questions as completely as possible.

B. PROJECT DESCRIPTION

1. Type of project and description: ADDING GENERATOR TO EXISTING Equipment
2. What is the number of units/parcels proposed? 1
3. What is the gross number of units per acre? 1
4. Site Size: 40 sq ft.
5. Square footage of each use: 40 sq. ft.
6. Number of floors of construction: N/A
7. Amount of off-street parking provided: N/A
8. Attach plans showing streets, utilities, existing and proposed contours (grading), drainage, all existing large trees (24" in circumference), existing and proposed buildings surrounding uses and/or buildings, landscape areas, parking areas, driveways, pedestrian walkways, exterior lighting, trash collection area, sign locations.
9. Proposed scheduling: N/A
10. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected: N/A

11. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities: WIRELESS COMMUNICATION FACILITY LOCATED IN NEIGHBORHOOD.
12. If industrial, indicate type, estimated employment per shift, and loading facilities N/A
13. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project: N/A
14. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required: CONDITIONAL USE FOR WCF
15. Provide an analysis of traffic generated by the project and how it will impact existing traffic. N/A
16. If the project is in a location of known mining activity, a complete geological analysis shall be submitted. N/A

Are the following items applicable to the project or its effects? Discuss below all items checked yes (attach additional sheets as necessary).

- | | YES | NO |
|---|-------------------------------------|-------------------------------------|
| 17. Change in existing features of any hills or substantial alteration of ground contours. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18. Change in scenic views or vistas from existing residential areas or public lands or roads. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 19. Change in pattern, scale or character of general area of project. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 20. Significant amounts of solid waste or litter. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 21. Change in dust, ash, smoke, fumes or odors in vicinity. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 22. Change lake, stream or ground water quality or quantity, or alteration of existing drainage patterns. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 23. Substantial change in existing noise or vibration levels in the vicinity.
<u>PER NOISE STUDY INSTALLATION IS IN COMPLIANCE</u> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 24. Site on filled land or on slope of 10 percent or more. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 25. Use of disposal of potentially hazardous materials, such as toxic substances, flammables or explosives. <u>DIESEL FUEL</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 26. Substantial change in demand for municipal services (police, fire, water, sewage, etc.). | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 27. Substantially increase fossil fuel consumption (oil, natural gas, etc.) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

28. Is this project part of a larger project or series of projects.

☐ ☒

ENVIRONMENTAL SETTING

29. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted. ____

ADDING A FIXED EMERGENCY DIESEL GENERATOR TO
EXISTING WIRELESS COMMUNICATION FACILITY LOCATED
WITHIN A RESIDENTIAL AREA.

30. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, setback, rear yard, etc.). Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted. THE WIRELESS FACILITY IS SURROUNDED

BY SINGLE FAMILY HOMES. SEE ATTACHED
AERIAL VIEW FROM GOOGLE EARTH

GEOLOGY AND SOILS

31. Identify the percentage of land in the following slope categories: (The applicant may wish to submit a map showing slopes.)

100% 0 to 10% ____ 11 to 15% ____ 16 to 20% ____ 21 to 29% ____ 30 to 35% ____ Over 35

32. Have you observed any building or soil settlement, landslides, rock falls mining or avalanches on this property or in the nearby surrounding area? NO

If yes, please explain: _____

33. Describe the amount of cut and fill necessary for the project: N/A

DRAINAGE AND HYDROLOGY

34. Is the project located within a flood plain? If so, describe and show area subject to flooding on a map. NO

35. What is the distance to the nearest body of water, stream or year round drainage channel? Name of the water body: HASTOWN CREEK ABOUT 1 MILE NORTH

36. Will the project result in the direct or indirect discharge of silt or any other particles in noticeable amounts into any streams? NO

37. Will the project result in the physical alteration of a natural body of water or drainage way? If so, in what way? NO

38. Does the project area contain any wet meadows, marshes or other perennially wet areas? NO If so, delineate this area on Site Plan.

VEGETATION AND WILDLIFE

39. What is the predominant vegetative cover on the site (trees, brush, grass, etc.)?
Estimate percentage of each: 15% bushes 85% gravel
40. How many trees of 7.5-inch diameter or 20 feet high will be removed when this project is implemented? none

FIRE PROTECTION

41. What is the nearest emergency source of water for fire protection purposes?
(Hydrant, pond, etc.): Hydrant located on parcel
42. What is the distance to the nearest fire station? 1 mile
43. Will the project create any dead-end roads greater than 300 feet in length? no
44. Will the project involve the burning of any material, including brush, trees and construction materials? no

NOISE

45. Is the project near a heavy commercial area, industrial area, freeway or major highway? If so, how far? no
46. What types of noise would be created by the establishment of this land use, both during and after construction? generator engine noise while testing and during power outage

AIR QUALITY

47. Would any noticeable amounts of air pollution, such as smoke, dust or odors be produced by this project? diesel exhaust

WATER QUALITY

48. What is the proposed water source: EID City of Placerville Well Other N/A
49. What is the water use? (residential, agricultural, industrial or commercial): N/A

HAZARDS

50. Is the site listed on California Environmental Protection Agency's Hazardous Site List? no
- If yes, what is the regulatory identification number: _____
- Date of list: _____

AESTHETICS

51. Will the project obstruct scenic views from existing residential areas, public lands, public bodies of water or roads? no

ARCHAEOLOGY/HISTORY

52. Do you know of any archaeological or historical areas within the boundaries or adjacent to the project? (example: Indian burial grounds, gold mines, etc.): no

SEWAGE

53. What is the proposed method of sewage disposal? N/A

54. Would the project require a change in sewage disposal methods from those currently used in the vicinity? N/A

55. Will the project create any traffic problems or change any existing roads, highways, or existing traffic patterns? no

56. Will the project reduce or restrict access to public lands, parks or any public facilities? no

57. Will the project change the L.O.S. on any existing roads? no

58. Will the project result in the introduction of activities not currently found within the community? no

59. Could the project serve to encourage development of presently undeveloped areas, or increases in development intensity of already developed areas (examples: include the introduction of new or expanded public utilities, new industry, commercial facilities or recreation activities)? no

60. Will the project require the extension of existing public utility lines? no If So, identify and give distances: _____

61. Will the project involve the application, use or disposal of potentially hazardous materials, including pesticides, herbicides, other toxic substances or radioactive material? no

62. Will the proposed project result in the removal of a natural resource for commercial purposes (including rock, sand, gravel, trees, minerals or top soil)? no

63. Could the project create new, or aggravate existing health problems (including, but not limited to flies, mosquitoes, rodents and other disease vectors)? no

64. Will the project displace any community residents? no

MITIGATION MEASURES

CERTIFICATION

5

1/25-17
Date

CD-021-P
3/15


Signature

For CARRIE ANN POWELL

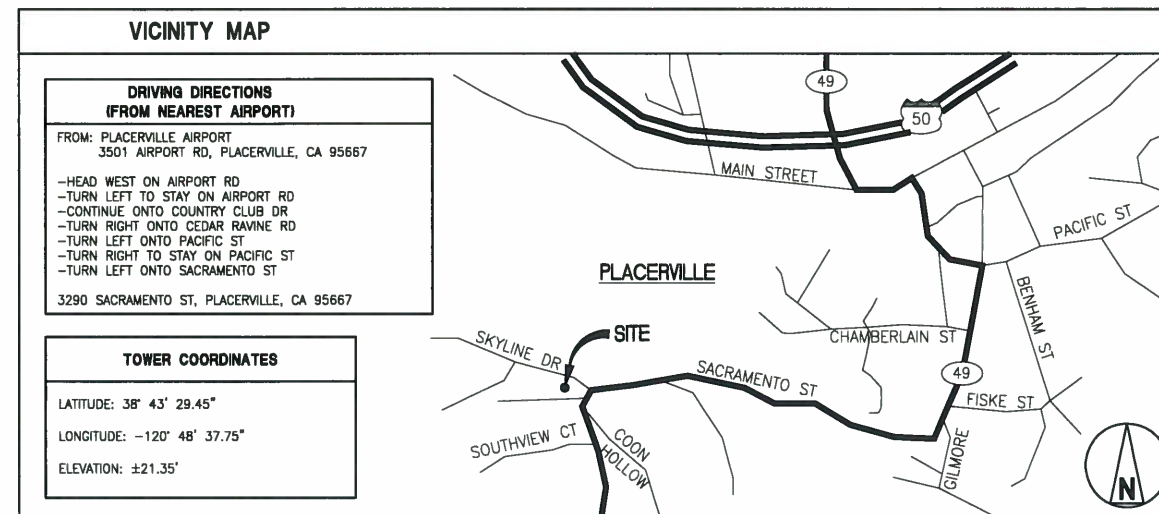
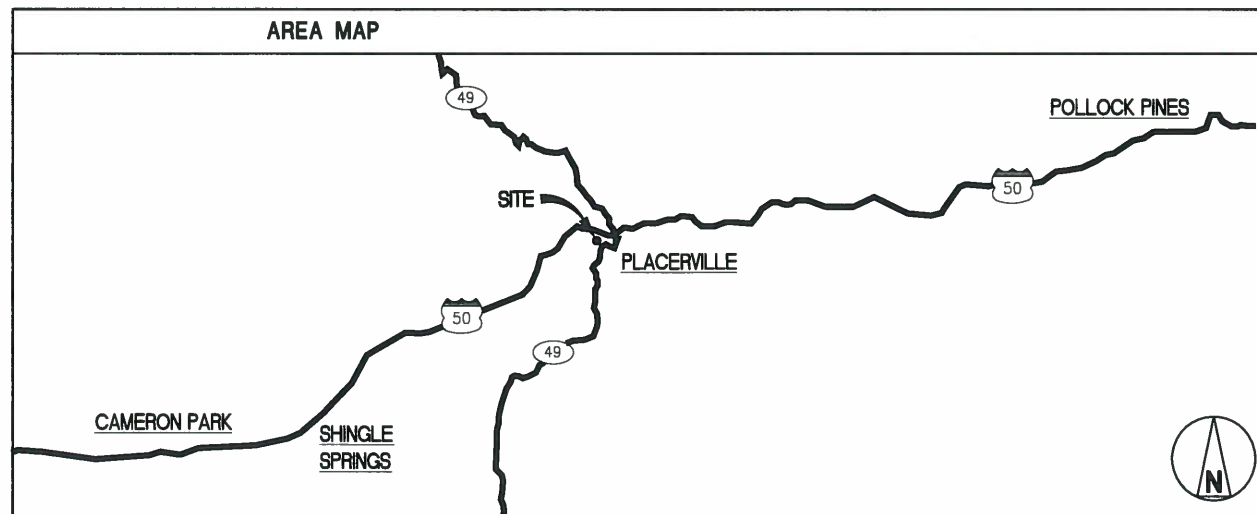


WEST PLACERVILLE
FA10090492
GENERATOR INSTALLATION



<p>DO NOT SCALE DRAWINGS</p>	<p>HANDICAP REQUIREMENTS</p>
<p>CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OF BE RESPONSIBLE FOR SAME.</p>	<p>FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS IS NOT REQUIRED.</p>
<p>OTHER REQUIREMENTS</p>	
<ul style="list-style-type: none"> • FACILITY HAS NO PLUMBING OR PARKING • NO GRADING WILL BE REQUIRED FOR THIS SITE 	<div data-bbox="602 1189 677 1268"> </div> <div data-bbox="680 1201 789 1260"> <p>Know what's below. Call before you dig. or 1-800-222-2800</p> </div> <p>TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG</p>

<h2 style="text-align: center;">PROJECT SUMMARY</h2> <p>FACILITY OCCUPANT: AT&T LEASE AREA: 4' x 10' EQUIPMENT ENCLOSURE: INTERIOR / EXTERIOR CABINETS CONSTRUCTION TYPE: V-B SITE ADDRESS: 3290 SACRAMENTO STREET, PLACERVILLE, CA 95667 COUNTY: EL DORADO APRN: 003-081-26 PROPERTY OWNER: COMCAST PROPERTY OWNER CONTACT: 4350 PELL DR, SACRAMENTO, CA 95838 APPLICANT: AT&T POWER PROVIDER: N/A</p>		<h2 style="text-align: center;">PROJECT TEAM</h2> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><u>AT&T MOBILITY</u> 2700 WATT AVE. ROOM 2200-8 SACRAMENTO, CA 95821 CONTACT: DEBRA MULGANNON PH: 916-486-3016</p> <p><u>GENERAL DYNAMICS</u> 5600 QUEBEC ST STE 109A GREENWOOD VILLAGE, CO 80111</p> <p>CONTACT: GENERAL DYNAMICS MARKET MANAGER KEVIN PARSLEY PH: 707-290-5630</p> <p>CONTACT: PROJECT MANAGER JEREMY STROUP PH: 925-202-8654</p> <p>CONTACT: CONSTRUCTION MANAGER ROBERT SIMONOVICH PH: 916-202-1413</p> </div> <div style="width: 45%;"> <p><u>MT2 TELECOM, L.P.</u> 1015-B AIRPORT ROAD P.O. BOX 458 RIO VISTA, CA 94571 PH: 707-374-5075 FAX: 707-374-6194 CONTACT: SALOMON MARTINEZ JR. ENGINEER: GILBERT LABRIE, AIA ARCHITECT CA LIC. NO. 7880 EMAIL: architect@labrie.com</p> <p><u>PROFESSIONAL SERVICES:</u> WESTOWER COMMUNICATIONS, INC 2017 OPPORTUNITY DRIVE, STE 4 ROSEVILLE, CA 95678</p> </div> </div>	
<h2 style="text-align: center;">APPLICABLE CODE COMPLIANCE</h2> <p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>2013 CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLES 24 & 25) 2013 CALIFORNIA BUILDING CODES 2013 CALIFORNIA MECHANICAL CODES 2013 CALIFORNIA PLUMBING CODES 2013 CALIFORNIA ELECTRICAL CODES ANSI / EIA-222 G</p> </div> <div style="width: 45%;"> <p>2012 INTERNATIONAL BUILDING CODE (IBC) 2012 INTERNATIONAL FIRE CODE (IFC) 2012 UNIFORM PLUMBING CODE (UPC) 2012 UNIFORM MECHANICAL CODE (UMC) LOCAL BUILDING CODES CITY / COUNTY ORDINANCES</p> </div> </div> <p>ALONG WITH ANY OTHER APPLICABLE LOCAL AND STATE LAWS AND REGULATIONS.</p>		<h2 style="text-align: center;">SCOPE OF WORK</h2> <p>PROPOSED EMERGENCY BACK UP POWER 50KW DIESEL GENERATOR MOUNTED ON A (P) 4'x10' CONCRETE PAD ADJACENT TO THE EXISTING AT&T WIRELESS COMMUNICATION EQUIPMENT. THE DIESEL TANK IS INTEGRAL TO THE GENERATOR AS A BELLY TANK WHICH SERVES AS ITS BASE TO ATTACH TO THE CONCRETE PAD VIA CONCRETE ANCHORS. AN AUTOMATIC TRANSFER SWITCH WILL BE INSTALLED TO INTERFACE WITH THE PROPOSED GENERATOR AND THE EXISTING WIRELESS COMMUNICATION ELECTRICAL SYSTEM.</p>	

[illegible]

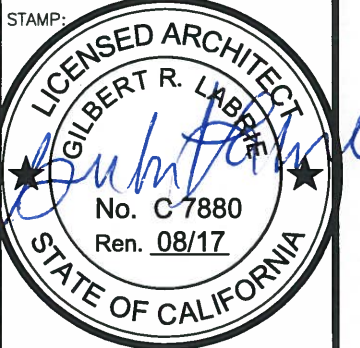


GENERAL DYNAMICS
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WEST PLACERVILLE
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3290 SACRAMENTO STREET
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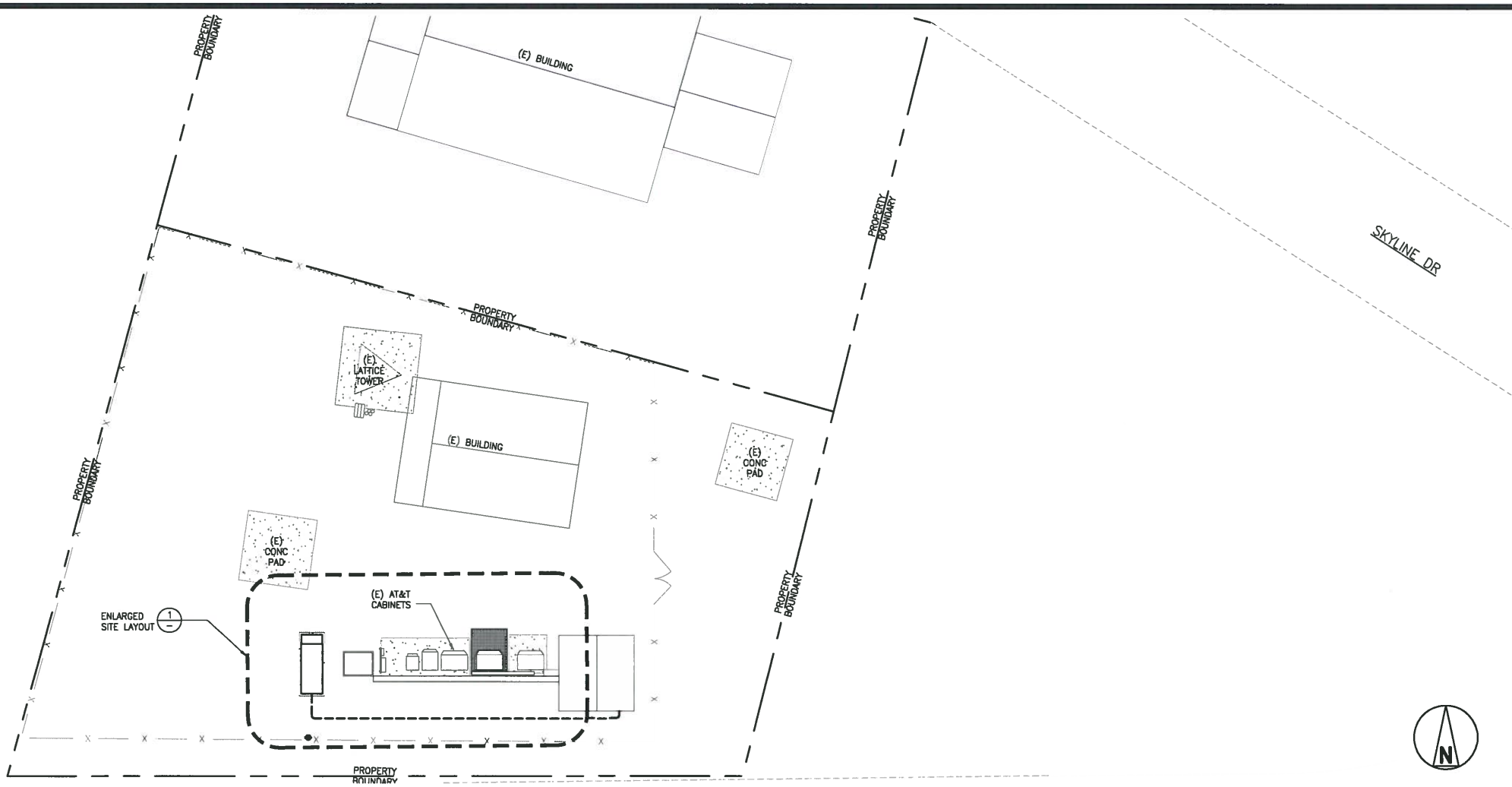
DRAWN BY: R.MONTAÑEZ

CHECKED BY: C.NELSON			
NO	DATE	ISSUE	INITIALS
1	08/11/14	90% CONST	RM/CN
2	09/15/14	100% CONST	RM
3	06/27/16	GEN. RELOCATE	RM/SM
4	08/08/16	100% CONST	RM/SM

SHEET TITLE
OVERALL AND ENLARGED SITE LAYOUTS

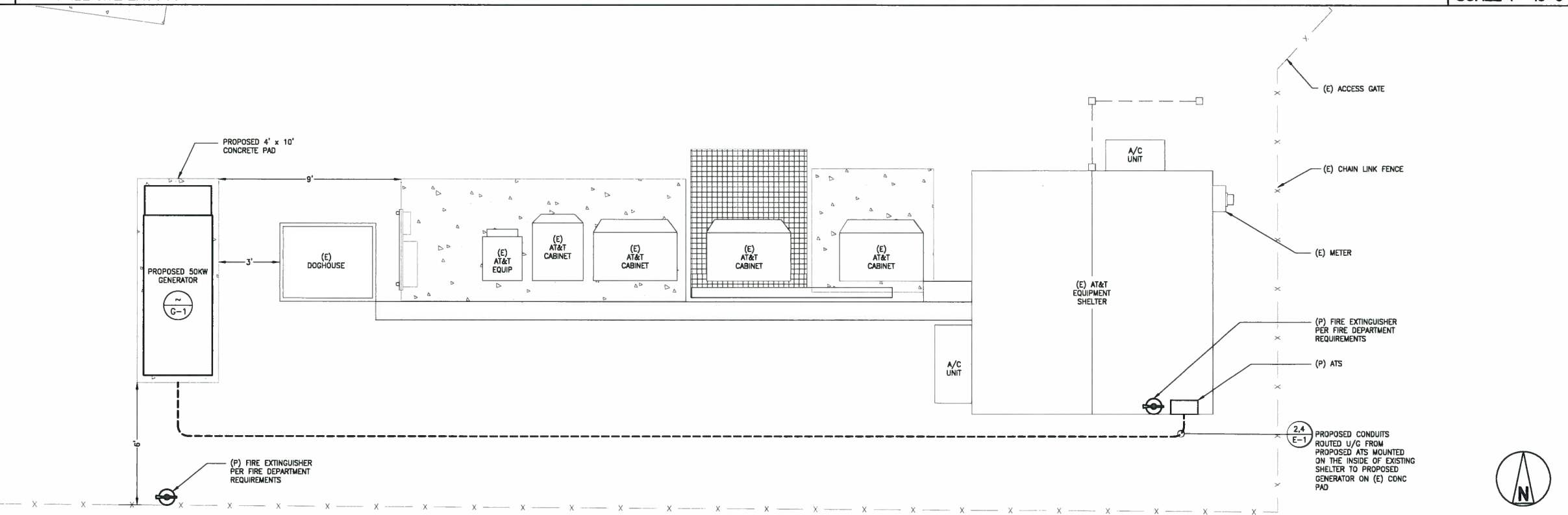
SHEET NUMBER
A-1

JOB #: WD3112 PHASE #: 9



2 OVER ALL SITE LAYOUT

SCALE: 1" = 10'-0"



1 ENLARGED SITE LAYOUT

SCALE: 3/8" = 1'-0"



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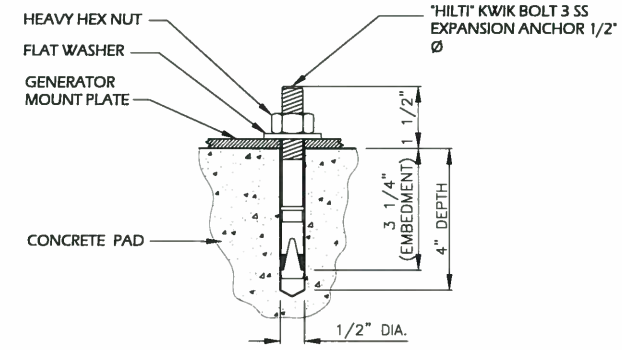
SHEET TITLE
**FOUNDATION PLAN
AND DETAILS**

SHEET NUMBER
S-1

JOB #: WD3112 PHASE #: 9

5 NOT USED

1. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH THE AMERICAN SOCIETY FOR TESTING AND MATERIALS METHODS STANDARDS ASTM C 172, ASTM C31 AND ASTM C39 UNLESS OTHERWISE NOTED.
2. CONCRETE FOR ALL FOUNDATIONS: TYPE I PORTLAND CEMENT, 540 LBS PER CUBIC YARD OF CONCRETE MINIMUM CEMENT CONTENT WITH 1" MAXIMUM SIZE AGGREGATE. SLUMP RANGE 3" TO 5". TOTAL AIR CONTENT 4% TO 7% BY VOLUME. AIR ENTRAINING ADMIXTURE REQUIRED TO CONTROL TOTAL AIR CONTENT. WATER REDUCING ADMIXTURE PERMITTED TO OBTAIN SLUMP OVER 3".
3. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-95) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND (ACI 301) STANDARD SPECIFICATION FOR THE STRUCTURAL CONCRETE.
4. REBAR SHALL BE ASTM A-615 DEFORMED TYPE WITH MINIMUM YIELD STRENGTH OF 60,000 PSI (40,000 PSI GRADE MAY BE USED FOR THE TIES & STIRRUPS). WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
5. DETAILING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES (ACI STD-315-92).
6. CHAMFER ALL EXPOSED EDGES OF CONCRETE $\frac{3}{8}$ ".
7. REINFORCING STEEL SHALL ACCURATELY PLACED AND ACCURATELY SECURED IN POSITION. LOCATION OF THE REINFORCEMENT SHALL BE INDICATED ON THE DRAWINGS. THE FOLLOWING MINIMUM COVER (INCHES) FOR REINFORCEMENT SHALL BE PROVIDED, EXCEPT AS NOTED ON DRAWINGS.
MINIMUM COVER (INCHES)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 - 2"
#5 AND SMALLER - 1½"
8. TOP OF FOUNDATION TO HAVE A "BRUSH FINISH".
9. EXPOSED FINISHED SURFACE IS NOT TO HOLD WATER.
10. ALL SURFACES ARE TO BE CLEANED OF ANY RESIDUAL CONCRETE FROM SPLASHING OR SPILLS.



NOTE:
1. PER ICC ESR-2302
SECTION 4.4,
INSTALLATION TORQUE
OF 40FT/LB.

3 ANCHOR DETAIL

SCALE: 6" = 1'-0"

2 NOT USED

1 NOT USED

4 NOTES

GROUNDING GENERAL NOTES

- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
- ALL EXTERIOR GROUNDING AND TOP OF GROUNDING RODS SHALL BE BURIED TO A MINIMUM DEPTH OF 1'-6" BELOW FINISH GRADE, ELECTRIC METER GROUND EXCEPTED.
- ALL GROUNDING CONDUCTORS SHALL BE #2 SOLID BARE TINNED COPPER.
- GROUND SYSTEM MUST BE INDEPENDENTLY TESTED AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS. SUBMIT AN INDEPENDENT FALL OF POTENTIAL TESTING REPORT.
- NOTIFY PROJECT MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
- CHEMICAL GROUNDS SHALL BE XIT, CHEM-ROD OR APPROVED EQUAL, WHEN REQUIRED. USE MUST BE APPROVED BY PROJECT MANAGER.
- ALL UNDERGROUND GROUNDING CONNECTORS ARE TO BE CADWELDED ABOVE GRADE. GROUNDING SHALL BE EITHER CADWELD OR MECHANICAL, AS SPECIFIED ON DRAWINGS.
- ALL GROUNDING INSTALLATION IS TO BE IN ACCORDANCE WITH THE NEXTEL STANDARD SPECIFICATIONS AND SUPPLEMENTS PROVIDED BY THE PROJECT MANAGER.
- GROUNDS ARE TO BE INSTALLED A MINIMUM OF 2'-0" FROM SHELTER OR MONOPOLE.
- GATE GROUNDING FLEX CONNECTOR: REF. "CADWELD" CATALOG #A0402 FOR GATE/POST FLEX CONNECTOR (EXAMPLE: PART NO. A239FC25-Y-XL FOR 3" POST).

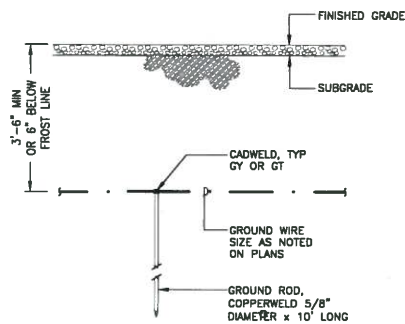
GROUNDING GENERAL NOTES

- FOR GENERAL NOTES AND SPECIFICATIONS SEE DWG SP-1
- ATS SHALL BE ATTACHED TO SHELTER WALL USING HILTI KWIK BOLTS. (DIAMETER AND QUANTITY TO SUIT EQUIPMENT MANUFACTURER INSTALLATION REQUIREMENTS) SEE DRAWINGS A-1 TO DETERMINE IF A NEW/ADDITIONAL ATS IS REQUIRED.

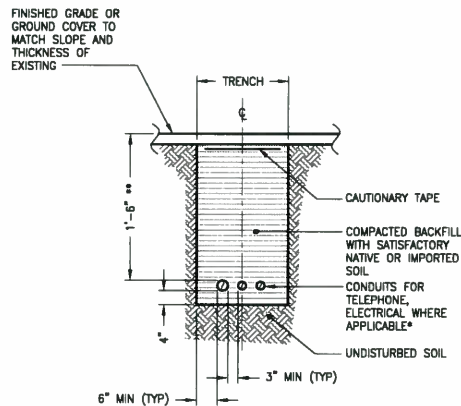
ELECTRICAL SYMBOLS LEGEND

- CADWELD TYPE CONNECTION
- COMPRESSION TYPE CONNECTION
- NEW GROUNDING
- - - EXISTING GROUNDING

6 GROUNDING GENERAL NOTES



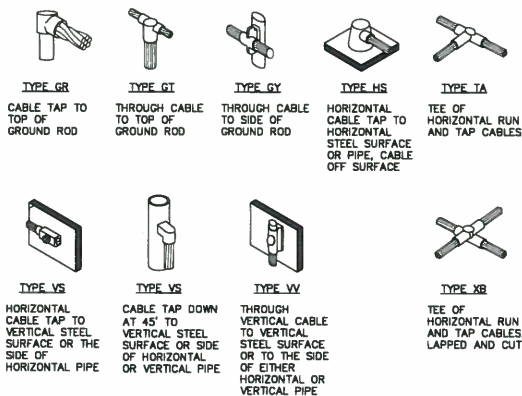
NOTE:
GROUND ROD SHALL BE DRIVE VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL



*CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

**DEPTH TO BE INCREASED TO 2'-0" IN PARKING LOT CONDITION

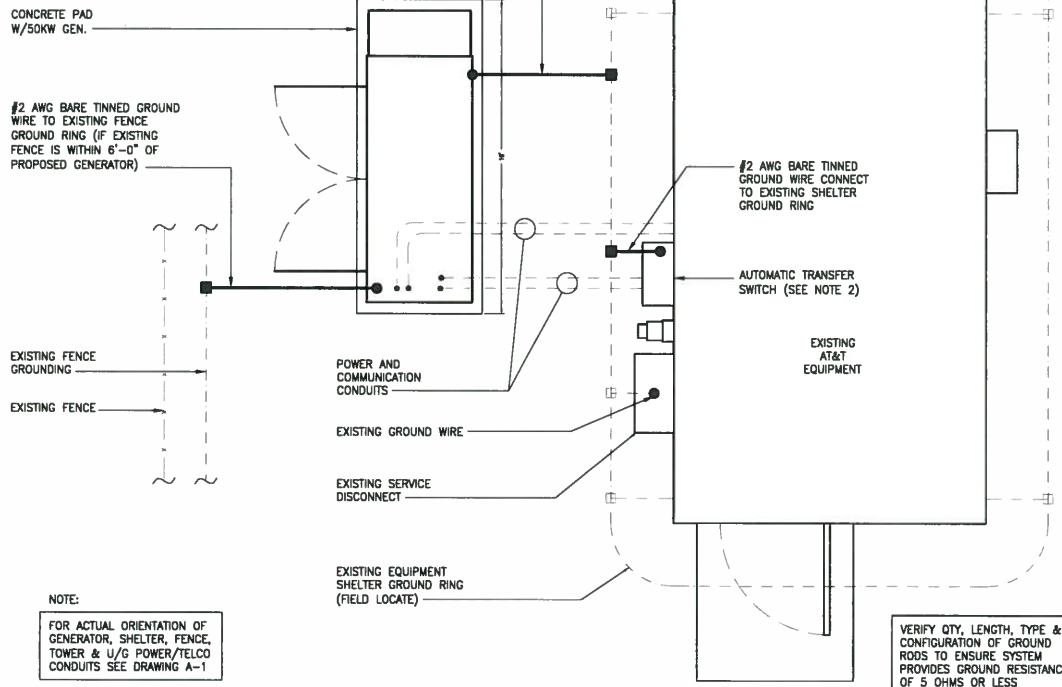
5 GROUND ROD



4 TRENCHING

2 SINGLE LINE DIAGRAM

#2 AWG BARE TINNED GROUND WIRE TO EXISTING SHELTER GROUND RING. IF MORE THAN 20' FROM EXISTING GROUND RING, INSTALL GROUND ROD (5/8" x 10'SS), ROD SPACING: MIN 10' MAX 20'. TOP OF ROD AND GROUND WIRE TO BE BELOW FROST LINE. GROUND GENERATOR PER MANUFACTURERS RECOMMENDATIONS



3 CADWELDS

1 SCHEMATIC GROUNDING PLAN



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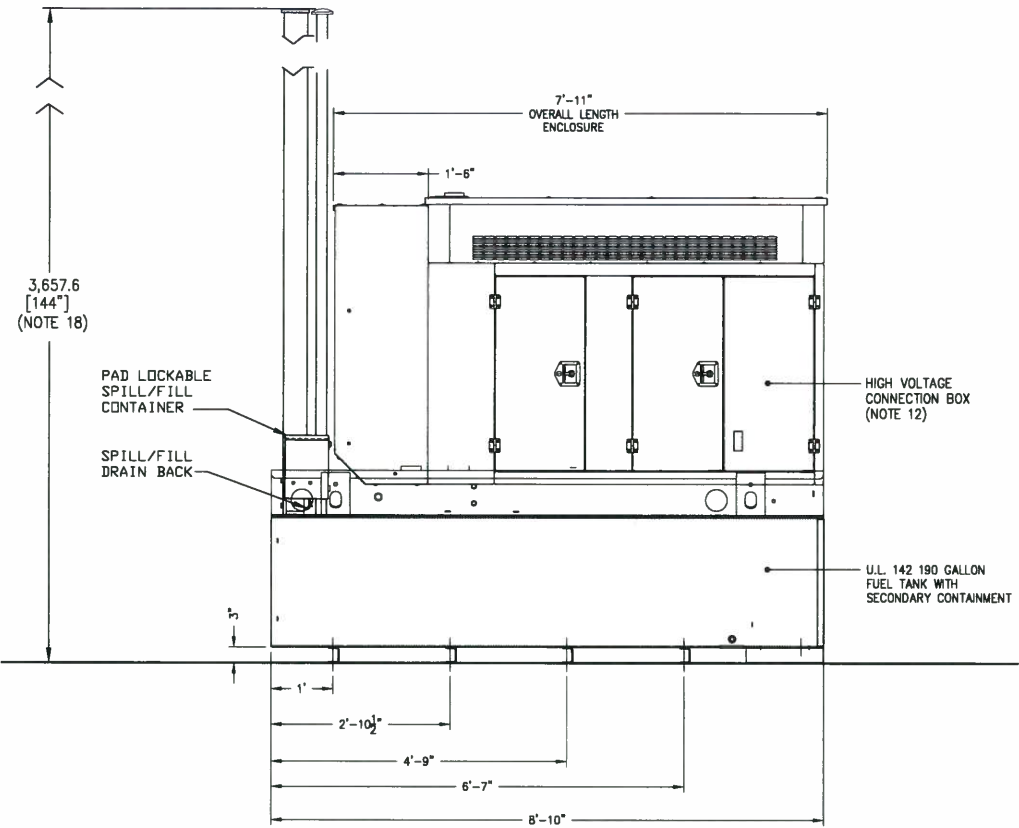
ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER

E-1

JOB #: WD3112 PHASE #: 9

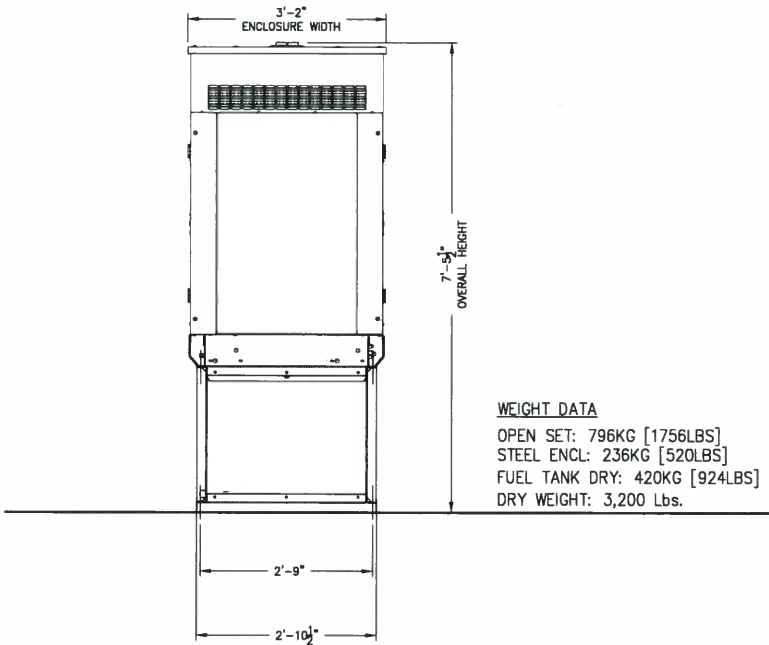
- 1. CONTROL PANEL, (OPTIONAL BATTERY CHARGER INSIDE)
- 2. 120V, 20A GFCI & 250V, 15A OUTLET (OPTIONAL)
- 3. CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB UP AREA)
- 4. BATTERY (12 VOLT NEGATIVE GROUND SYSTEM)
- 5. MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEADS CONNECT DIRECTLY TO MLCB. (MLCB HEIGHT MAY VARY WITH CB SELECTION)
- 6. OPTIONAL BLOCK HEATER
- 7. FUEL LINES ARE PLUMBED TO FRAME FOR UNITS WITH NO BASE TANK. FUEL LINES ARE PLUMBED DIRECTLY TO BASE TANK WHEN SO EQUIPPED
- 8. CENTER OF GRAVITY AND WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS
- 9. IF GENSET IS TO BE INSTALLED ON A BASETANK REFER TO BASETANK INSTALL FOR MOUNTING FOOTPRINT AND STUB UP INFORMATION.
NOTE: STUB UP AREA MAY NOT BE THE SAME FOR BOTH GENSET AND BASETANK.
- 10. ENGINE SERVICE CONNECTIONS:
FUEL INLET = 1/2" NPT COUPLING
FUEL RETURN = 1/2" NPT COUPLING
OIL DRAIN = 1/2" NPT COUPLING
EXHAUST OUTLET = 2 1/2" O.D.
- 11. DOORS MUST BE ABLE TO OPEN AT LEAST 90° TO BE REMOVED.
- 12. AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED
- 13. BOTTOM OF GENERATOR SET MUST BE CLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
- 14. GENERATOR SET MUST BE INSTALLED SUCH THAT DISCHARGE AIR IS NOT RECIRCULATED.
- 15. CIRCUIT BREAKER
-AC LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
-REFER TO LUG SIZING CHART AVAILABLE ON GEN-CONNECT.



4 NOTES

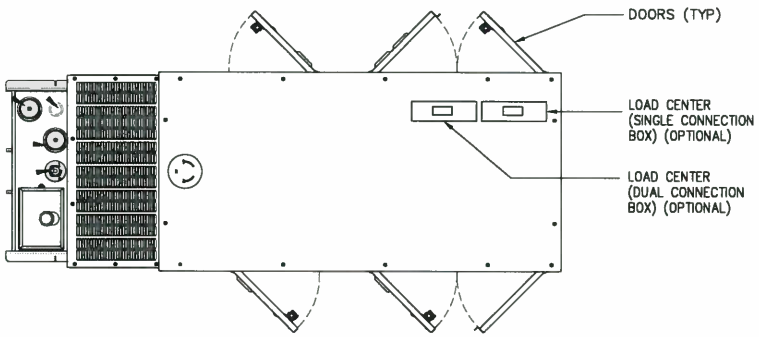
2 LEFT SIDE VIEW

SCALE: 3/4" = 1'-0"



3 REAR VIEW

SCALE: 3/4" = 1'-0"



1 PLAN VIEW

SCALE: 3/4" = 1'-0"



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SHEET TITLE

GENERATOR

SHEET NUMBER

G-1

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GENERAL NOTES:

1. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE PORTABLE WATER OR SEWER SERVICE.
2. THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS IS REQUIRED).
3. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH.
4. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.
5. CONTRACTOR WILL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SAFETY EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY TO COMPLETE ALL THE WORK OUTLINED IN ALL DRAWINGS, SPECIFICATIONS, SCOPES OF WORK, BILL OF MATERIALS, AND ANY OTHER DOCUMENT ISSUED BY GENERAL DYNAMICS AND AWS.
6. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND NATIONAL CODES, LAWS, ORDINANCES, REGULATIONS, SAFETY REGULATIONS, ALL OSHA REGULATIONS, ALL PUBLIC AND MUNICIPAL AUTHORITIES AND ANY UTILITY COMPANIES REGULATIONS AND DIRECTIVES.
7. ALL MATERIALS SUPPLIED BY THE OWNER, OWNER'S REPRESENTATIVE, AND THE CONTRACTOR, SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES, LAWS, ORDINANCES, REGULATIONS AND PER MANUFACTURER'S RECOMMENDATIONS.
8. ANY CONTRACTOR SUBMITTING BIDS ON ANY OF THE WORK IS REQUIRED TO VISIT EACH SITE PRIOR TO BID SUBMITTAL AND FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS AND UNDERSTAND THE SCOPE OF WORK INTENDED FOR THE PROJECT. THIS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
9. THE DRAWINGS AND SPECIFICATIONS ARE A GENERAL DIRECTIVE FOR THE SCOPE OF WORK. EXACT DIMENSIONS AND LOCATIONS MAY CHANGE IN THE FIELD. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS AND LOCATIONS AND TO REPORT ANT AND ALL DISCREPANCIES TO GENERAL DYNAMICS PRIOR TO COMMENCING THE RELATED WORK. ANY MINOR ERRORS OR OMISSIONS IN THE DRAWINGS AND SPECIFICATIONS DOES NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
10. ALL SITES SHALL BE KEPT CLEAN AND FREE OF DEBRIS ON A DAILY BASIS. ALL TRASH AND MATERIALS NO LONGER BEING USED AT THE SITE MUST BE REMOVED AND PROPERLY DISPOSED OF ON A DAILY BASIS.
11. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK AT THE SITE PRIOR TO A NOTICE TO PROCEED (NTP) BEING ISSUED AND A PRE-CONSTRUCTION MEETING AT THE SITE HAVING TAKEN PLACE.
12. ALL WORK AND MATERIALS FURNISHED BY THE CONTRACTOR SHALL HAVE A WRITTEN ONE-YEAR WARRANTY STARTING AT THE ACCEPTANCE OF THE SITE FROM THE SITE OWNER.
13. THE CONTRACTOR SHALL HAVE A DESIGNATED MANAGER ON SITE AT ALL TIMES THAT ANY WORK IS BEING PERFORMED. A SUBCONTRACTOR IS NOT DEFINED AS A DESIGNATED MANAGER.
14. THE SUCCESSFUL CONTRACTOR SHALL PROVIDE SCHEDULE, LIST OF ALL SUBCONTRACTORS WITH ADDRESSES, CELL PHONE NUMBERS AND HOME PHONE NUMBERS, VERIFICATION OF INSURANCE, ANY AND ALL PERTINENT LICENSES AND AN ACCURATE SCHEDULE FOR THE PROJECT PRIOR TO THE ISSUANCE OF A NTP.
15. THE CONTRACTOR IS TO KEEP A COMPLETE AND UP TO DATE SET OF DRAWINGS, SPECIFICATIONS, SCOPE OF WORK AND BILL OF MATERIALS ON SITE AT ALL TIMES. THIS WILL BE REFERENCED AS THE AS-BUILT DRAWINGS AND MUST BE KEPT CURRENT ON A DAILY BASIS. THIS IS IN ADDITION TO THE PERMIT SET.
16. A NEW CLEAN SET OF CONTRACT DOCUMENTS WILL BE USED TO TRANSFER THE INFORMATION FROM THE FIELD COPY OF THE AS-BUILT DRAWINGS TO A NEW COPY. THIS NEEDS TO BE SUBMITTED TO GENERAL DYNAMICS WITH THE CLOSE OUT DOCUMENTS.
17. ON ANY CO-LOCATION SITE, THE CONTRACTOR AND ALL ASSIGNS ARE NOT TO USE EXISTING POWER OR TAMPER WITH ANY EQUIPMENT BELONGING TO ANY OTHER CARRIER. FAILURE TO ADHERE TO THIS WILL CAUSE IMMEDIATE DISMISSAL OF THE CONTRACTOR FROM THE PROJECT.
18. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL INSPECTIONS AND TESTING REQUIRED FOR EACH PROJECT. A 24-HOUR NOTIFICATION TO GENERAL DYNAMICS IS REQUIRED FOR ALL INSPECTIONS AND TESTING. A FIELD COPY OF ALL INSPECTIONS AND TESTING REPORT AS WELL AS TRUCK TICKETS MUST BE SUBMITTED TO THE OWNERS REPRESENTATIVE WITHIN 24-HOURS OF THE INSPECTION OR TEST.
19. THE CONTRACTOR IS THE RESPONSIBLE TO VERIFY ALL MATERIALS ISSUED TO THEM AND REPORT ANY SHORTAGES AND DISCREPANCIES TO GENERAL DYNAMICS AT THE TIME OF ISSUANCE. THE CONTRACTOR SHALL STORE THESE MATERIALS PROPERLY, ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND IN A MANNER THAT WILL NOT VOID THE WARRANTY ON ANY ITEM. IF ANY ITEM IS DAMAGED OR UNUSABLE DUE TO IMPROPER HANDLING AND STORAGE THE CONTRACTOR WILL REPLACE IT AT THEIR EXPENSE.
20. THE CONTRACTOR IS RESPONSIBLE TO FURNISH PROPER FACILITIES FOR THE WORKERS ON EACH PROJECT FOR THE DURATION OF THAT PROJECT.
21. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE PRESENT CONDITION OF ANY EXISTING BUILDINGS, LANDSCAPING, FENCING, EQUIPMENT, WALKS, DRIVE, AND ATTACHMENTS.. IF ANY DAMAGE SHOULD OCCUR, THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE DAMAGE TO A BETTER OR NEW CONDITION.
22. THE GENERAL DYNAMICS REPRESENTATIVE RESERVE THE RIGHT TO RELOCATE ANY EQUIPMENT WITHIN 10 FT. OF THE LOCATION SPECIFIED ON THESE DRAWINGS PRIOR TO INSTALLATION BY THE CONTRACTOR.
23. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE GENERAL DYNAMICS REPRESENTATIVE.
24. CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS TO CONFIRM LENGTHS OF CABLE TRAYS, AND ELECTRICAL LINES.
25. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN AND PAY FOR ALL ELECTRICAL PERMITS AND INSPECTIONS REQUIRED FOR COMPLETION OF WORK AND ACCEPTANCE. PROVIDE CERTIFICATES TO THE CONSTRUCTION MANAGER VERIFYING THAT THE WORK CONFORMS TO THE REQUIREMENTS OF ALL CODES AND AUTHORITIES HAVING JURISDICTION.
26. NO DEVIATIONS FROM DESIGN SHOWN ON THESE DRAWINGS IS ALLOWED, WITHOUT PRIOR WRITTEN APPROVAL FROM THE GENERAL DYNAMICS REPRESENTATIVE. FAILURE TO OBSERVE THIS RULE MAY RESULT IN THE CONTRACTOR CORRECTING THE INSTALLATION AT THEIR EXPENSE.
27. VERIFICATION THAT THE EXISTING ROOFTOP CAN SUPPORT THE PROPOSED ANTENNA LOADING IS TO BE DONE BY OTHERS. PROVIDE SUPPORT FOR THE ANTENNA CABLES TO THE ELEVATION OF ALL INITIAL AND FUTURE ANTENNAS. ANTENNA CABLES ARE TO BE SUPPORTED AND RESTRAINED AT THE CENTERS SUITABLE TO THE MANUFACTURER'S REQUIREMENTS.
28. BCI WIRELESS, LLC OR ANY REGISTERED PROFESSIONAL ENGINEER EMPLOYED OR CONTRACTED BY BCI WIRELESS, LLC DOES NOT CERTIFY THE STRUCTURAL INTEGRITY OF THE CONSTRUCTION CONTAINED HERIN UNLESS BCI WIRELESS, LLC HAS BEEN CONTRACTED TO PERFORM A STRUCTURAL ANALYSIS AND THEREBY ADDITIONAL DOCUMENTATION IS REQUIRED.

CONTRACTOR NOTES:

1. THE CONTRACTOR SHALL GRUB THE SITE AREA AND ANY ACCESS ROAD CLEARING AND REMOVE A MINIMUM OF 6" TO ACHIEVE A STABLE SUB-BASE TO ACCEPT FILL OR OTHER MATERIAL SPECIFIED FOR THE SITE AND ACCESS ROAD. THE GRUBBING SHALL BE REMOVED FROM THE SITE AND NOT REUSED IN ANY PART OF THIS PROJECT.
2. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO CALL THE LOCAL LOCATING AUTHORITIES TO VERIFY THE LOCATION OF ANY UNDERGROUND UTILITIES THAT EXIST WITHIN THE ENTIRE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND RELOCATION (AS NECESSARY) OF THE UNDERGROUND UTILITIES OR LINES. THE CONTRACTOR SHALL PLACE THESE ITEMS ON THE AS BUILT DRAWINGS.
3. ALL ROADWORK AND MATERIALS SHALL CONFORM TO ALL STATE AND LOCAL CODES AND IN ACCORDANCE WITH THE DEPARTMENT OF HIGHWAY AND PUBLIC TRANSPORTATION STANDARD SPECIFICATIONS.
4. THE ACCESS ROAD, IF REQUIRED, WILL BE CONSTRUCTED FIRST BEFORE ANY OTHER WORK ON THE SITE IS PERMITTED. BRING THEROAD TO SUB BASE COURSE TO ALLOW CONSTRUCTION TRAFFIC TO USE THE ROAD FOR THE PROJECT AND COMPLETE THE ROAD AFTER CONSTRUCTION OF THE SITE IS SUBSTANTIALLY COMPLETE.
5. ALL SITES AND ACCESS ROADS ARE TO BE CONSTRUCTED TO HAVE A POSITIVE DRAINAGE FLOW AWAY FROM THE SITE AND EQUIPMENT. ANY DISCREPANCIES IN THE DRAWINGS OR SPECIFICATIONS MUST BE BROUGHT TO THE ATTENTION OF GENERAL DYNAMICS IMMEDIATELY. ALL ACCESS ROAD AND SITE AREAS WILL HAVE AN UNDERLAYMENT OF MIRAFT-500X, OR EQUAL.
6. A SOIL STERILIZER SHALL BE APPLIED TO ALL GRAVEL SURFACES AND BE EPA REGISTERED LIQUID COMPOSITION AND OF PRE-EMERGENCE DESIGN. THE PRODUCT LABEL AND INFORMATION WILL BE GIVEN TO GENERAL DYNAMICS.
7. SUB-BASE COURSE OF GRANULAR "B" MATERIAL SHALL CONSIST OF WELL GRADED SAND AND GRAVEL WITH NO MORE THAN 8% PASSING THROUGH #200 SIEVE WITH NO LESS THAN 35% RETAINED ON A #4 SIEVE. CONTRACTOR TO SUPPLY GRADUATION FOR REVIEW PRIOR TO PLACEMENT. BASE COURSE OF GRANULAR "A" MATERIAL SHALL CONSIST OF 3/4"CRUSHED SAND AND GRAVEL (ROAD MULCH) WITH NOT MORE THAN 8% PASSING THROUGH #200 SIEVE. CONTRACTOR TO SUPPLY GRADUATION FOR REVIEW PRIOR TO PLACEMENT.
8. ALL FILL DIRT SHALL BE CLEAN AND NATURAL. FREE FROM AN DELETERIOUS MATERIALS, ROOTS, ICE, SNOW AND RUBBISH. A COPY OF ALL DELIVERY TICKETS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE WITHIN 24-HOURS FROM DELIVERY.
9. ALL TRENCHES SHALL HAVE A SIX-INCH BASE OF CLEAN SAND FILL TO ACCEPT THE CONDUITS AND THEN ANOTHER 12" OF CLEAN SAND FILL ON TOP OF THE CONDUITS. THE REMAINDER OF THE TRENCH SHALL HAVE A CLEAN COMPATIBLE FILL PLACED IN MAXIMUM LIFTS OF 8" AND MECHANICALLY COMPACTED TO A DENSITY OF 98% OF STANDARD PROCTOR MAXIMUM DENSITY. METALLIC WARNING TAPE SHALL BE PLACED AT 12" BELOW FINISHED GRADE ALONG THE ENTIRE TRENCH.
10. ALL COMPACTION OF SITE AREAS SHALL BE ACCOMPLISHED BY MECHANICAL MEANS. LARGER AREAS SHALL BE COMPACTED BY A SHEEP'S FOOT VIBRATORY ROLLER WEIGHING AT LEAST 5 TONS. SMALLER AREAS SHALL BE COMPACTED BY A POWER DRIVEN HAND HELD TAMPER. ALL COMPACTED AREAS SHALL BE COMPACTED TO WITHIN 95% OF STANDARD PROTOCOL MAXIMUM DENSITY TESTED BY AN INDEPENDENT LABORATORY. THE OWNER'S REPRESENTATIVE WILL PROVIDE THE CONTRACTOR WITH THE NAME AND NUMBER OF THE LABORATORY, BUT IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE TESTING. ANY SCHEDULLING FOR A PROCTOR WILL BE CONTRACTOR'S RESPONSIBILITY AND MUST BE DONE IN A TIMELY FASHION TO ASSURE THE PROJECT WILL NOT BE DELAYED.
11. ALL FILL OR STONE WILL BE PLACED IN MAXIMUM 8" LIFTS PRIOR TO COMPACTING. FINISH GRADE, INCLUDING TOP SURFACE COURSE SHALL EXTEND 12" BEYOND THE SITE FENCE AND SHALL COVER THE AREA AS INDICATED.
12. USE RIP RAP IN ANY AREAS WITH SLOPE GREATER THAN 2:1, ENTIRE DITCH FOR 6 FEET IN ALL DIRECTIONS AT CULVERT OPENINGS, AND AS INDICATED ON PLANS.
13. SEED, FERTILIZER, AND STRAW COVER SHALL BE APPLIED TO ALL OTHER DISTURBED AREAS, DITCHES, DRAINAGE, AND SWALES NOT OTHERWISE RIP RAPPED. SEED AND FERTILIZER SHALL BE APPLIED TO SURFACE CONDITIONS, WHICH WILL ENCOURAGE ROOTING. PREPARE SURFACE PROPERLY TO ACCEPT THE SEED. SOW SEED IN TWO OPPOSITE DIRECTIONS IN TWICE THE QUANTITY RECOMMENDED BY THE SEED PRODUCER.
14. THE CONTRACTOR IS RESPONSIBLE TO ENSURE GROWTH OF THE SEED AND LANDSCAPING AREAS BY WATER, STRAW, MULCH NET AND ANY OTHER PROPER LANDSCAPING METHOD NECESSARY. A.; AREAS MUST HAVE SUSTAINED GROWTH BY THE TIME OF COMPLETION OF THE PROJECT.
15. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTAINMENT OF SEDIMENT AND CONTROL OF EROSION ON SITE. ANY DAMAGE TO STRUCTURES OR WORK ON SITE CAUSED BY INADEQUATE MAINTENANCE OF DRAINAGE PROVISIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND ANY COST ASSOCIATED WITH REPAIRS WILL BE AT THE CONTRACTORS EXPENSE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT ALL DAMAGE TO THE SITE SUBSEQUENT TO THE INSTALLATION OF THE POWER AND TELCO LINES.



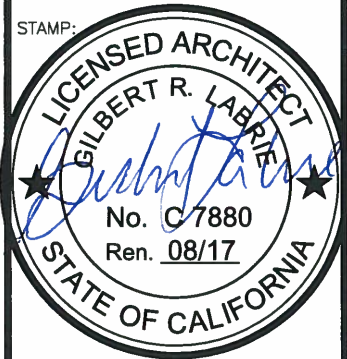
GENERAL DYNAMICS
Wireless Services
5600 S QUEBEC ST
SUITE 109A
GREENWOOD VILLAGE, CO 80111



WEST PLACERVILLE
FA10090492

3290 SACRAMENTO STREET
PLACERVILLE, CA 95667

STAMP:



DRAWN BY: R.MONTAÑEZ

CHECKED BY: C.NELSON

NO	DATE	ISSUE	INITIALS
1	08/11/14	90% CONST	RM/CN
2	09/15/14	100% CONST	RM
3	06/27/16	GEN. RELOCATE	RM/SM
4	08/08/16	100% CONST	RM/SM

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

SP-1

JOB #: WD3112

PHASE #: 9



Google Earth

feet
meters

100

600



Environmental Noise Assessment Report

Site No. 10090492
West Placerville
3290 Sacramento Street
Placerville, California

EBI Project No. 6216004165
October 19, 2016



Prepared for:

AT&T Mobility, LLC.
c/o General Dynamics Wireless Services
6664 S. Dateland, Suite B
Tempe, AZ 85283

Prepared by:



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APPENDICES

- Appendix A Equipment Specifications**
- Appendix B CadnA® Environmental Noise Model Results**
- Appendix C Sound Monitoring Data & Notes**
- Appendix D Site Photographs**

1.0 EXECUTIVE SUMMARY

General Dynamics currently operates an unstaffed wireless telecommunications facility at site number 10090492 (site name West Placerville). This site is located in a tower compound in a mixed use area at 3290 Sacramento Street in Placerville, California, and is herein referred to as 10090492.

This study evaluates noise impact from the proposed emergency generators on the site vicinity. Existing sound levels were measured on September 17, 2016 at the nearest property line. This report evaluates the compliance for the 10090492 site in relation to the City of Placerville, California General Plan – Part II – Section VI Health and Safety: Goal I. Acoustic modeling was done to assess the potential change in existing sound levels and predict post construction daytime and nighttime sound levels under normal operating conditions.

Based on the results of this study, EBI concludes that the 10090492 project will be in compliance with the Placerville city noise level limits concerning the sound level limits at all project property lines.

2.0 BACKGROUND

All sounds originate from a source. The sound energy, produced by a source, creates variations in air pressure which travel in all directions much like a wave ripples across the water. The “loudness” or intensity of a sound is a function of the sound pressure level, defined as the ratio of two pressures: the measured sound pressure from the source divided by a reference pressure (i.e. threshold of human hearing). Sound level measurements are most commonly expressed using the decibel (dB) scale. The decibel scale is logarithmic to accommodate the wide range of sound intensities to which the human ear is capable of responding. On this scale, the threshold of human hearing is equal to 0 dB, while levels above 140 dB can cause immediate hearing damage.

One property of the decibel scale is that the combined sound pressure level of separate sound sources is not simply the sum of the contributing sources. For example, if the sound of one source of 70 dB is added to another source of 70 dB, the total is only 73 dB, not a doubling to 140 dB. In terms of human perception of sound, a 3 dB difference is the minimum perceptible change for broadband sounds (i.e. sounds that include all frequencies). A difference of 10 dB represents a perceived halving or doubling of loudness.

Environmental sound is commonly expressed in terms of the A-weighted sound level (dBA). The A-weighting is a standard filter to make measured sound levels more nearly approximate the frequency response of the human ear. Table I shows the adjustments made at each octave band frequency to contour un-weighted sound levels (dB) to A-weighted sound levels (dBA).

TABLE I - A-WEIGHTED OCTAVE BAND ADJUSTMENT (\pm dB)

Octave Band Center Frequency (Hz)	32	64	125	250	500	1000	2000	4000	8000	16000
A-weighting Adjustment (\pm dB)	-39.4	-26.2	-16.1	-8.6	-3.6	0.0	+1.2	+1.0	-1.1	-6.6

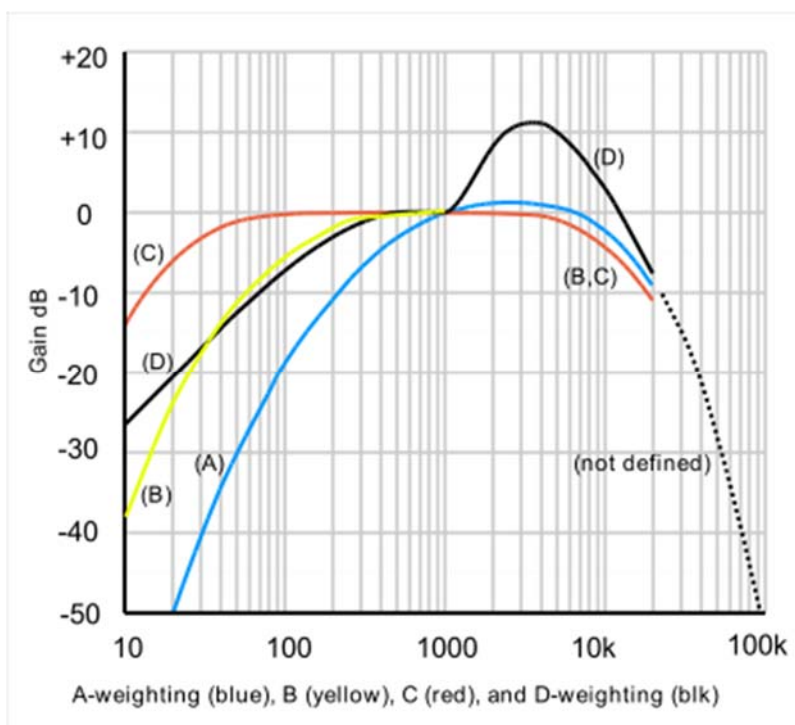


FIGURE I - WEIGHTED OCTAVE BAND ADJUSTMENTS (\pm dB)

Environmental sound varies depending on environmental conditions. Some sounds are sharp impulses lasting for short periods of time, while others rise and fall over longer periods of time. There are various measures (metrics) of sound pressure designed for different purposes. The Leq, or equivalent sound level, is the steady-state sound level over a period of time that has the same acoustic energy as the fluctuating sound that was measured over the same period. The Leq is commonly referred to as the average sound level and is calculated automatically by the sound level meter using methods defined in ANSI S1.4-1983¹.

¹ American National Standards Institute, ANSI S1-4-1983, American National Standard Specification for Sound Level Meters, 1983

3.0 REGULATORY REQUIREMENTS

City of Placerville, California General Plan – Part II – Section VI Health and Safety: Goal I

The City of Placerville limits noise levels to 60 dB Ldn for new developments affecting any outdoor activity areas or noise sensitive land uses. Ldn represents a day-night-average where a 10 dBA penalty is applied during nighttime hours (10 pm to 7 am).

According to communications with the City of Placerville Planning Department, operation of the emergency back-up generator during a loss of power is considered exempt from these limits and has not been included in this study.

4.0 SITE DESCRIPTION

The site 10090492 is located in an existing tower compound, in a mixed use area near single family residential homes. The compound is situated between Good View Ct. and Skyline Dr., west of Diamond Rd. and Sacramento Street at 3290 Sacramento Street, in Placerville, California.

One Generac SD050 50 kW emergency back-up generator is proposed for installation at the site. Figure 2 presents the approximate locations of the existing equipment, proposed emergency generator monitoring locations, property line and nearest residential property.



**FIGURE 2 – SITE SCHEMATIC
AND MONITORING LOCATIONS**

10090492
West Placerville
3290 Sacramento Street Placerville, California
Site Visit Date: September 17, 2016

LEGEND



Source



Receiver



Property Line

5.0 AMBIENT SOUND LEVELS

Short-term (20 minute) sound monitoring, day and night, was performed in the area surrounding the proposed location on September 17, 2016. See Figure 2. All sound level measurements were taken with a Casella CEL-633 real-time octave-band sound level analyzer, which was equipped with a precision condenser microphone having an operating range of 5 dB to 140 dB, and an overall frequency range of 3.5 to 20,000 Hz. The meter meets or exceeds all requirements set forth in the American National Standards Institute (ANSI) Standards for Type I for quality and accuracy. Prior to and immediately following both measurement sessions, the sound analyzer was calibrated (no level adjustment was required) with an ANSI Type I calibrator, which has an accuracy traceable to the National Institute of Standards and Technology (NIST). All instrumentation was laboratory calibrated per ANSI recommendations. For all measurement sessions the microphone was fitted with an environmental windscreen to negate the effect of air movement and tri-pod mounted at a height of 1.3 meters above grade, and measurements were made away from any vertical reflecting surfaces in compliance with ANSI Standards S12.9². All data were downloaded to a computer following the measurement session. The sound data are shown in Appendix A and are summarized in Table 2.

**TABLE 2 – AMBIENT SOUND LEVEL MONITORING RESULTS
SEPTEMBER 17, 2016**

Location	Description	Time	L _{eq} (dBA)
Loc-1	Southern Property Line	1:55 – 2:15 pm	53.8
		1:40 -2:00 am	38.7
Loc-2	Eastern Property Line	2:40 – 3:00 pm	46.7
		3:05 – 3:20 am	49.4
Loc-3	Nearest Accessible Location to Western Property Line	3:05 – 3:25 pm	42.1
		3:30 – 3:50 am	42.0

² Acoustical Society of America, ANSI Standard S12.9-1992, “Quantities and Procedures for Description and Measurement of Environmental Sound”

6.0 PROPOSED NOISE-GENERATING EQUIPMENT

The existing ground-mounted equipment and proposed emergency back-up generator at 10090492 is designed to support wireless telecommunication antennas located on the adjacent lattice tower. One Generac SD050 50 kW emergency back-up generator in a Level I sound enclosure is proposed for installation at the site, west of the existing AT&T equipment platform and north of the property line at Skyline Dr. The generator will be located on top of a diesel fuel base tank. The generator is scheduled for week-day daytime testing only and will run for a period of no more than 15 minutes one day per week under normal operating conditions.

TABLE 3 – ACOUSTIC SOURCES

Source Name	Description	Equipment Noise Sound Pressure	Reference Distance (meters)	Equipment Noise Sound Power
		dB(A)	dB(A)	dB(A)
Generac SD050	50 kW emergency back-up generator	71	7	109

7.0 MODELED POST CONSTRUCTION NOISE LEVELS

The CadnaA® computer noise model was used for computing sound levels from the proposed equipment throughout the surrounding community. An industry standard, employing ISO 9613-2 methodology, CadnaA was developed to provide estimates of sound levels at distances from specific noise sources taking into account the effects of terrain features, including relative elevations of noise sources, receivers, and intervening objects (buildings, hills, trees), and ground effects due to areas of hard ground (pavement, water) and soft ground (grass, field, forest). In addition to computing sound levels at specific receiver positions, CadnaA can compute noise contours showing areas of equal and similar sound level.

As input, CadnaA incorporated a *geometric model* of the study area, reference *noise source* levels. CadnaA uses a *sound propagation model* to project noise levels from equipment operations into the surrounding community. The three-dimensional geometric model of the study area was developed from aerial photography and digital terrain information obtained from Google Earth.

Predictive post-construction noise levels were calculated for site 10090492 using existing noise levels and acoustical specifications for one Generac SD050 50 kW emergency back-up generator running for a period of 15 minutes during daytime hours.

Complete modeling output sheets from the CadnaA are contained in Appendix D. Noise specifications for proposed equipment are summarized in Table 3. Table 4 summarizes the results of the acoustic modeling.

In addition, DNL (Day-Night Average Sound Levels) were calculated manually to reflect total sound exposure. DNL results were calculated using the US Environmental Protection Agency formula for Day-Night Average Sound Levels, as follows:

$$DNL = L_{dn} = 10 \cdot \log \left[\frac{15 \cdot \left(10^{L_D/10} \right) + 9 \cdot \left(10^{(L_N+10)/10} \right)}{24} \right]$$

Where:	L_D	=	Daytime Leq	=	7 AM - 10 PM
	L_N	=	Nighttime Leq	=	10 PM - 7 AM

TABLE 4 – POST CONSTRUCTION SOUND LEVEL RESULTS

Location	Existing Condition (dBA)			Equipment Noise Impact (dBA)	Future Condition (dBA) and Increase (±dB) w/ Proposed Equipment		
	Daytime	Nighttime	Ldn	15 Minute Duration (Daytime Only)	Daytime	Nighttime	Ldn
Loc-1 Southern Property Line	53.8	38.7	52.5	56.5	58.40 (+4.6)	38.7 (+0)	56.6 (+4.1)
Loc-2 Northern Property Line	46.7	49.4	55.5	43.7	48.5 (+1.8)	49.4 (+0)	55.7 (+0.2)
Loc-3 Western Property Line	42.1	42.0	48.4	45.1	46.9 (+4.8)	42.0 (+0)	49.5 (+1.1)

8.0 RESULTS AND CONCLUSIONS

The equipment cabinet installation at 10090492 will comply with the City of Placerville General Plan noise level limit of 60 dBA Ldn under normal operating conditions. According to the Standard, equipment generated noise may not exceed 60 dB at the nearest property line at any wireless telecommunication site.

As shown in Table 4, worst-case predictive modeling indicates the proposed generator will result in a post construction sound level of 56.6 dBA Ldn at the nearest property line one day per week during routine testing. Modeled post construction noise levels at all other project property lines were lower than this location.

Worst-case modeling methodologies are based on the manufacturer-provided equipment specifications. Manufacturer specifications include a decibel rating, which reflects the maximum decibel output the equipment will produce when running at full capacity.

9.0 LIMITATIONS

This report was prepared for the use of General Dynamics and AT&T. The conclusions provided by EBI are based solely on the information provided by the client. The observations in this report are valid on the date and time of the investigation. Reported noise levels contained herein are a factor of meteorological and environmental conditions present at the time of the site survey, and represent “typical” site noise levels. Measurement and calculations contained in this report should be considered accurate to within one decibel. Any additional information that becomes available concerning the site should be provided to EBI so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report and has been designed to address the City of Placerville, California General Plan – Part II – Section VI Health and Safety: Goal I.

10.0 REVIEWER CERTIFICATION

I, Cynara Cannatella, state that:

I am an employee of Envirobusiness Inc. (d/b/a EBI Consulting), which provides acoustic survey and compliance services to the wireless communications industry. I have reviewed the data collected during the site survey which is incorporated into this Site Compliance Report such that the information contained in this report is true and accurate to the best of my knowledge.

Sincerely,

By EBI Consulting



Cynara Cannatella
Senior Engineer

APPENDIX A

EQUIPMENT SPECIFICATIONS

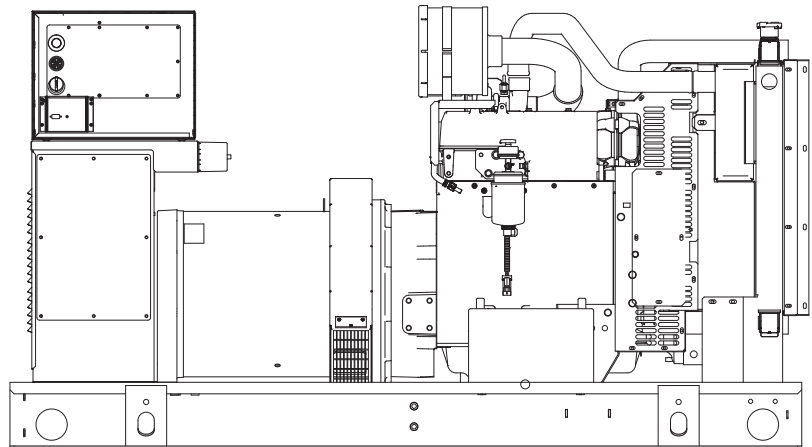
SD050

Industrial Diesel Generator Set

EPA Emissions Certification: Tier III

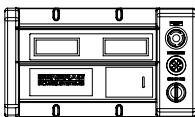
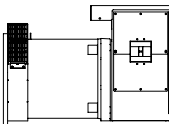
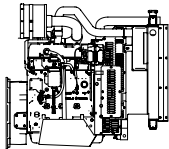
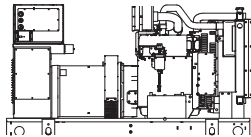
Standby Power Rating
50KW 60 Hz

Prime Power Rating
44KW 60 Hz



features

benefits



Generator Set

- PROTOTYPE & TORSIONALLY TESTED
- UL2200 LISTED
- RHINOCOAT PAINT SYSTEM
- WIDE RANGE OF ENCLOSURES AND TANKS

- ▶ PROVIDES A PROVEN UNIT
- ▶ ENSURES A QUALITY PRODUCT
- ▶ IMPROVES RESISTANCE TO ELEMENTS
- ▶ PROVIDES A SINGLE SOURCE SOLUTION

Engine

- EPA TIER CERTIFIED
- INDUSTRIAL TESTED, GENERAC APPROVED
- POWER-MATCHED OUTPUT
- INDUSTRIAL GRADE

- ▶ ENVIRONMENTALLY FRIENDLY
- ▶ FOR INDUSTRIAL APPLICATIONS
- ▶ ENGINEERED FOR PERFORMANCE
- ▶ IMPROVES LONGEVITY AND RELIABILITY

Alternator

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

- ▶ ELIMINATES HARMFUL 3RD HARMONIC
- ▶ IMPROVES COOLING
- ▶ HEAT TOLERANT DESIGN
- ▶ FAST AND ACCURATE RESPONSE

Controls

- ENCAPSULATED BOARD W/ SEALED HARNESS
- 4-20mA VOLTAGE-TO-CURRENT SENSORS
- SURFACE-MOUNT TECHNOLOGY
- ADVANCED DIAGNOSTICS & COMMUNICATIONS

- ▶ EASY, AFFORDABLE REPLACEMENT
- ▶ NOISE RESISTANT 24/7 MONITORING
- ▶ PROVIDES VIBRATION RESISTANCE
- ▶ HARDENED RELIABILITY

primary codes and standards



SD050

application and engineering data

ENGINE SPECIFICATIONS

General

Make	Deere
EPA Emissions Compliance	Tier III
EPA Emissions Engine Reference	See Emissions Data Sheet
Cylinder #	4
Type	In-Line
Displacement - L (cu. in.)	2.4 (149)
Bore - mm (in.)	86 (3.39)
Stroke - mm (in.)	105 (4.13)
Compression Ratio	18:1
Intake Air Method	Turbocharged
Number of Main Bearings	5
Connecting Rod Type	Dropped Forged Steel
Cylinder Head Type	Cast Iron, OHV
Piston Type	4 - Alloy Aluminum
Crankshaft Type	Forged Steel

Valve Train

Lifter Type	Solid
Intake Valve Material	High Temp
Exhaust Valve Material	High Temp

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	+/- 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-Flow Cartridge
Crankcase Capacity - L (gal)(qts)	7.1 (1.875)(7.5)

Cooling System

Cooling System Type	Closed Recovery
Water Pump	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Blade Number	6
Fan Diameter mm (in.)	457.2 (18.0)
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120VAC

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	10
Fuel Inject Pump Make	Bosch (VE)
Fuel Pump Type	Engine Driven Gear
Injector Type	Pintel - 2100psi
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	6.35 (0.25)
Fuel Return Line - mm (in.)	3.17 (0.125)

Engine Electrical System

System Voltage	12VDC
Battery Charging Alternator	20A
Battery Size (at 0 oC)	700CCA/90AH
Battery Group	27F
Battery Voltage	(1) 12VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Model	390
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<3%
Telephone Interference Factor (TIF)	<50
Alternator Type	Self-Ventilated, Drip-Proof
Bearings	Single Sealed Cartridge
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Load Capacity - Prime	110%
Prototype Short Circuit Test	Y

Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	+/- 0.25%

CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

NFPA 99
 NFPA 110
 ISO 8528-5
 ISO 1708A.5
 ISO 3046
 BS5514
 SAE J1349
 DIN6271
 IEEE C62.41 TESTING
 NEMA ICS 1

Rating Definitions:

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 every 12 hours.

SD050

operating data (60Hz)

POWER RATINGS (kW)

Single-Phase 120/240VAC @1.0pf
 Three-Phase 120/208VAC @0.8pf
 Three-Phase 120/240VAC @0.8pf
 Three-Phase 277/480VAC @0.8pf
 Three-Phase 600VAC @0.8pf

STANDBY		
50kW	Amps:	208
50kW	Amps:	173
50kW	Amps:	150
50kW	Amps:	75
50kW	Amps:	60

PRIME		
44kW	Amps:	183
44kW	Amps:	153
44kW	Amps:	132
44kW	Amps:	66
44kW	Amps:	53

STARTING CAPABILITIES (sKVA)

		sKVA vs. Voltage Dip											
Alternator*	kW	480VAC						208/240VAC					
		10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	50	34	52	69	86	103	120	25.5	39	51.75	64.5	77.25	90
Upsize 1	60	42	63	83	104	125	146	31.5	47.25	62.25	78	93.75	109.5
Upsize 2	NA	-	-	-	-	-	-	-	-	-	-	-	-

*All Generac industrial alternators utilize Class H materials. Standard alternator provides less than or equal to Class F temperature rise. Upsize 1 provides less than or equal to Class B temperature rise. No Upsize 2 is available for this node.

FUEL

Fuel Consumption Rates**

	STANDBY			PRIME		
	Percent Load	gph	lph	Percent Load	gph	lph
Fuel Pump Lift - in (m) 36 (0.9)	25%	1.12	4.24	25%	0.99	3.74
	50%	2.19	8.29	50%	1.93	7.3
	75%	3.21	12.13	75%	2.82	10.68
	100%	4.16	15.76	100%	3.66	13.87

** Refer to "Emissions Data Sheets" for maximum fuel flow for EPA and SCAQMD permitting purposes.

COOLING

Coolant Capacities - Gal (L)		STANDBY		PRIME	
System	4.5(17.0)	Coolant Flow per Minute	gpm (lpm)	28(106)	28(106)
Engine	2.75(10.4)	Heat rejection to Coolant	BTU/min	135,900	109,000
Radiator	1.8 (6.62)	Inlet Air	cfm (m3/hr)	7500(212.4)	7500(212.4)
		Max. Operating Radiator Air Temp	F° (C°)	60(140)	60(140)
		Max. Operating Ambient Temperature	F° (C°)	50(122)	50(122)

COMBUSTION AIR REQUIREMENTS

	STANDBY	PRIME
Flow at Rated Power	cfm (m3/min) 166(4.7)	140(4.0)

EXHAUST

Exhaust Outlet Size - N.P.T. (female) 3.0"	STANDBY		PRIME	
	Exhaust Flow (Rated Output)	cfm (m3/hr)	448(12.7)	380(10.8)
	Maximum Backpressure	inHg (Kpa)	2.2(7.5)	2.2(7.5)
	Exhaust Temp (Rated Output)	oF (oC)	1044(562)	925(496)

ENGINE

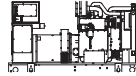
		STANDBY	PRIME
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated kW***	hp	79	64
Piston Speed	ft/min (m/min)	1536 (1230)	1536 (1230)
BMEP	psi	189	151

*** Refer to "Emissions Data Sheets" for maximum bHP for EPA and SCAQMD permitting purposes.

SD050

standard features and options

GENERATOR SET



- | | |
|---|-----|
| <input checked="" type="radio"/> Genset Vibration Isolation | Std |
| <input type="radio"/> IBC Seismic Certified/Seismic Rated Vibration Isolators | Opt |
| <input type="radio"/> Extended warranty | Opt |
| <input type="radio"/> Export boxing | Opt |
| <input type="radio"/> Gen-Link Communications Software | Opt |
| <input type="radio"/> Steel Enclosure | Opt |
| <input type="radio"/> Aluminum Enclosure | Opt |

ENGINE SYSTEM



General

- | | |
|--|-----|
| <input checked="" type="radio"/> Oil Drain Extension | Std |
| <input type="radio"/> Oil Make-Up System | Opt |
| <input type="radio"/> Oil Heater | Opt |

Fuel System

- | | |
|--|-----|
| <input checked="" type="radio"/> Fuel lockoff solenoid | Std |
| <input checked="" type="radio"/> Secondary fuel filter | Std |
| <input checked="" type="radio"/> Stainless steel flexible exhaust connection | Std |
| <input checked="" type="radio"/> Industrial Exhaust Silencer | Std |
| <input type="radio"/> Critical Exhaust Silencer | Opt |
| <input type="radio"/> Flexible fuel lines | Opt |
| <input type="radio"/> Primary fuel filter | Opt |
| <input type="radio"/> Single Wall Tank (Export Only) | - |
| <input type="radio"/> UL 142 Fuel Tank | Opt |

Cooling System

- | | |
|---|-----|
| <input type="radio"/> 120VAC Coolant Heater | Opt |
| <input type="radio"/> 208VAC Coolant Heater | Opt |
| <input type="radio"/> 240VAC Coolant Heater | Opt |
| <input type="radio"/> Other Coolant Heater _____ | - |
| <input checked="" type="radio"/> Closed Coolant Recovery System | Std |
| <input checked="" type="radio"/> UV/Ozone resistant hoses | Std |
| <input checked="" type="radio"/> Factory-Installed Radiator | Std |
| <input checked="" type="radio"/> Radiator Drain Extension | Std |

Engine Electrical System

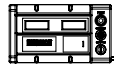
- | | |
|--|-----|
| <input checked="" type="radio"/> Battery charging alternator | Std |
| <input checked="" type="radio"/> Battery cables | Std |
| <input checked="" type="radio"/> Battery tray | Std |
| <input type="radio"/> Battery box | Opt |
| <input type="radio"/> Battery heater | Opt |
| <input checked="" type="radio"/> Solenoid activated starter motor | Std |
| <input checked="" type="radio"/> Air cleaner | Std |
| <input checked="" type="radio"/> Fan guard | Std |
| <input checked="" type="radio"/> Radiator duct adapter | Std |
| <input type="radio"/> 2A battery charger | Opt |
| <input type="radio"/> 10A UL float/equalize battery charger | Opt |
| <input checked="" type="radio"/> Rubber-booted engine electrical connections | Std |

ALTERNATOR SYSTEM



- | | |
|---|-----|
| <input checked="" type="radio"/> UL2200 GENprotect™ | Std |
| <input type="radio"/> Main Line Circuit Breaker | Opt |
| <input type="radio"/> 2nd Circuit Breaker | Opt |
| <input type="radio"/> 3rd Circuit Breaker | Opt |
| <input type="radio"/> Alternator Upsizing | Opt |
| <input type="radio"/> Anti-Condensation Heater | Opt |
| <input type="radio"/> Tropical coating | Opt |

CONTROL SYSTEM



Control Panel

- | | |
|--|-----|
| <input checked="" type="radio"/> Digital H Control Panel - Dual 4x20 Display | Std |
| <input type="radio"/> Digital G-100 Control Panel - Touchscreen | na |
| <input type="radio"/> Digital G-200 Paralleling Control Panel - Touchscreen | na |
| <input checked="" type="radio"/> Programmable Crank Limiter | Std |
| <input type="radio"/> 21-Light Remote Annunciator | Opt |
| <input type="radio"/> Remote Relay Panel (8 or 16) | Opt |
| <input checked="" type="radio"/> 7-Day Programmable Exerciser | Std |
| <input checked="" type="radio"/> Special Applications Programmable PLC | Std |
| <input checked="" type="radio"/> RS-232 | Std |
| <input checked="" type="radio"/> RS-485 | Std |
| <input checked="" type="radio"/> All-Phase Sensing DVR | Std |
| <input checked="" type="radio"/> Full System Status | Std |
| <input checked="" type="radio"/> Utility Monitoring (Req. H-Transfer Switch) | Std |
| <input checked="" type="radio"/> 2-Wire Start Compatible | Std |
| <input checked="" type="radio"/> Power Output (kW) | Std |
| <input checked="" type="radio"/> Power Factor | Std |
| <input checked="" type="radio"/> Reactive Power | Std |
| <input checked="" type="radio"/> All phase AC Voltage | Std |
| <input checked="" type="radio"/> All phase Currents | Std |
| <input checked="" type="radio"/> Oil Pressure | Std |
| <input checked="" type="radio"/> Coolant Temperature | Std |
| <input checked="" type="radio"/> Coolant Level | Std |
| <input type="radio"/> Oil Temperature | Opt |
| <input checked="" type="radio"/> Fuel Pressure | Std |
| <input checked="" type="radio"/> Engine Speed | Std |
| <input checked="" type="radio"/> Battery Voltage | Std |
| <input checked="" type="radio"/> Frequency | Std |
| <input checked="" type="radio"/> Date/Time Fault History (Event Log) | Std |
| <input checked="" type="radio"/> UL2200 GENprotect™ | Std |
| <input type="radio"/> Low-Speed Exercise | - |
| <input checked="" type="radio"/> Isochronous Governor Control | Std |
| <input checked="" type="radio"/> -40deg C - 70deg C Operation | Std |
| <input checked="" type="radio"/> Waterproof Plug-In Connectors | Std |
| <input checked="" type="radio"/> Audible Alarms and Shutdowns | Std |
| <input checked="" type="radio"/> Not in Auto (Flashing Light) | Std |
| <input checked="" type="radio"/> On/Off/Manual Switch | Std |
| <input checked="" type="radio"/> E-Stop (Red Mushroom-Type) | Std |
| <input type="radio"/> Remote E-Stop (Break Glass-Type, Surface Mount) | Opt |
| <input type="radio"/> Remote E-Stop (Red Mushroom-Type, Surface Mount) | Opt |
| <input type="radio"/> Remote E-Stop (Red Mushroom-Type, Flush Mount) | Opt |
| <input checked="" type="radio"/> NFPA 110 Level I and II (Programmable) | Std |
| <input checked="" type="radio"/> Remote Communication - RS232 | Std |
| <input type="radio"/> Remote Communication - Modem | Opt |
| <input type="radio"/> Remote Communication - Ethernet | Opt |
| <input type="radio"/> 10A Run Relay | Opt |

Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)

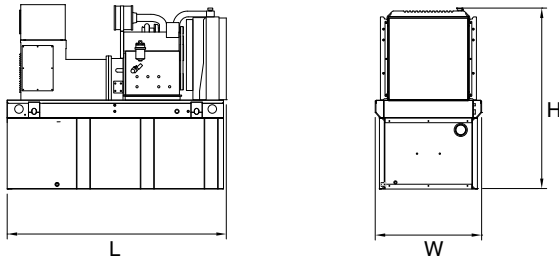
- | | |
|--|-----|
| <input type="radio"/> Low Fuel | Opt |
| <input checked="" type="radio"/> Oil Pressure (Pre-programmed Low Pressure Shutdown) | Std |
| <input checked="" type="radio"/> Coolant Temperature (Pre-programmed High Temp Shutdown) | Std |
| <input checked="" type="radio"/> Coolant Level (Pre-programmed Low Level Shutdown) | Std |
| <input checked="" type="radio"/> Oil Temperature | Std |
| <input checked="" type="radio"/> Fuel Pressure | Std |
| <input checked="" type="radio"/> Engine Speed (Pre-programmed Overspeed Shutdown) | Std |
| <input checked="" type="radio"/> Voltage (Pre-programmed Overvoltage Shutdown) | Std |
| <input checked="" type="radio"/> Battery Voltage | Std |

Other Options

- | | |
|-----------------------------|-----|
| <input type="radio"/> _____ | Opt |
| <input type="radio"/> _____ | Opt |
| <input type="radio"/> _____ | Opt |

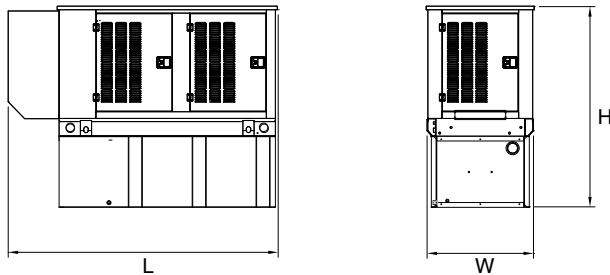
SD050

dimensions, weights and sound levels



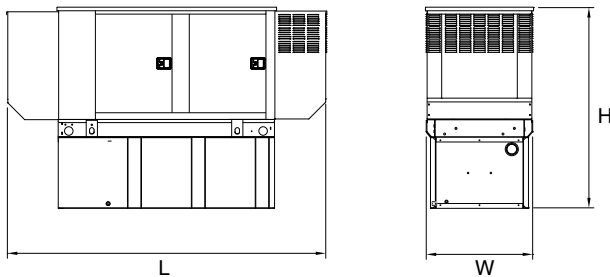
OPEN SET

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	76	38	43	1535	84
13	54	76	38	61	2015	
32	132	76	38	68	2245	
51	211	76	38	80	2454	
72	300	93	38	80	2517	



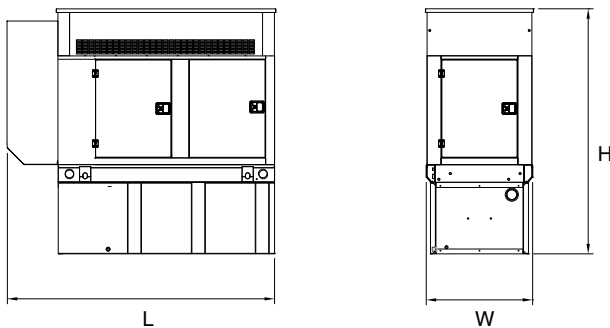
WEATHERPROOF ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	95	38	46	1971	80
13	54	95	38	59	2451	
32	132	95	38	71	2681	
51	211	95	38	83	2890	
72	300	95	38	83	2953	



LEVEL 1 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	113	38	46	2230	71
13	54	113	38	59	2710	
32	132	113	38	71	2940	
51	211	113	38	83	3149	
72	300	113	38	83	3212	



LEVEL 2 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
-	-	-	-	-	-	-
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

*All measurements are approximate and for estimation purposes only. Weights are without fuel in tank. Sound levels measured at 23ft (7m). Does not account for ambient site conditions.

Tank Options

<input type="radio"/> MDEQ	OPT
<input type="radio"/> Florida DERM/DEP	OPT
<input type="radio"/> Chicago Fire Code	OPT
<input type="radio"/> IFC Certification	CALL
<input type="radio"/> ULC	CALL

Other Custom Options Available from your Generac Industrial Power Dealer

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL 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.

APPENDIX B

CADNA® ENVIRONMENTAL NOISE MODEL RESULTS

CandA® Modeling Results

SOURCE

Name	ID	Result. PWL			Lw / Li		Operating Time			K0	Freq.	Direct.	Height	Coordinates		
		Day (dBA)	Evening (dBA)	Night (dBA)	Type	Value	Day (min)	Special (min)	Night (min)	(dB)	(Hz)		(m)	X (m)	Y (m)	Z (m)
Generac SD050	S1	98.9	98.9	98.9	Lw	98.9	15	0	0	0	500	(none)	2	52.3	888.19	2

RECEIVER

Name	M.	ID	Level Lr	Limit. Value				Land Use			Height		Coordinates		
			Day (dBA)	Night (dBA)	Day (dBA)	Night (dBA)	Type	Auto	Noise Type		(m)		X (m)	Y (m)	Z (m)
Southern Property Line		R1	56.5	0	0	0		x	Total	1.5	r		52.38	883.27	1.5
Eastern Property Line		R2	43.7	0	0	0		x	Total	1.5	r		68.88	895.46	1.5
Western Property Line		R3	45.1	0	0	0		x	Total	1.5	r		39.12	896.92	1.5

APPENDIX C

SOUND MONITORING DATA & NOTES

SITE PHOTOGRAPHS

EBI CONSULTING - NOISE MONITORING FIELD NOTES

[illegible]

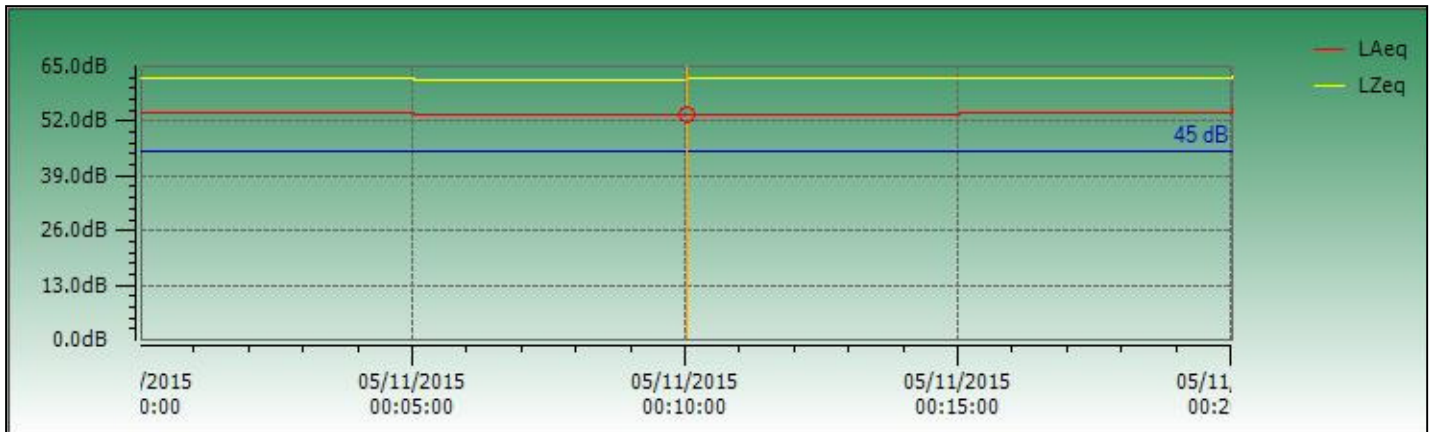
Report On Placerville

Report Sorted/Grouped By:

Instrument Model

CEL-633B

Duration	00:20:01 HH:MM:SS	Serial Number	5011536
Response	Random	Process	Unallocated
LApeak with Time	86.0 dB (11/5/2015 12:14:58 AM)	Result	Period
End Date & Time	11/5/2015 12:20:03 AM	LAeq	53.8 dB
Pause Duration	00:00:00 HH:MM:SS	LZeq	62.2 dB
Run Number	16	Calibration (After) Date	11/5/2015 12:45:24 AM
Start Date & Time	11/5/2015 12:00:02 AM	Calibration (Before) Date	11/4/2015 11:58:07 PM
Site	Placerville	Calibration (Before) SPL	114 dB
Location	Unallocated		



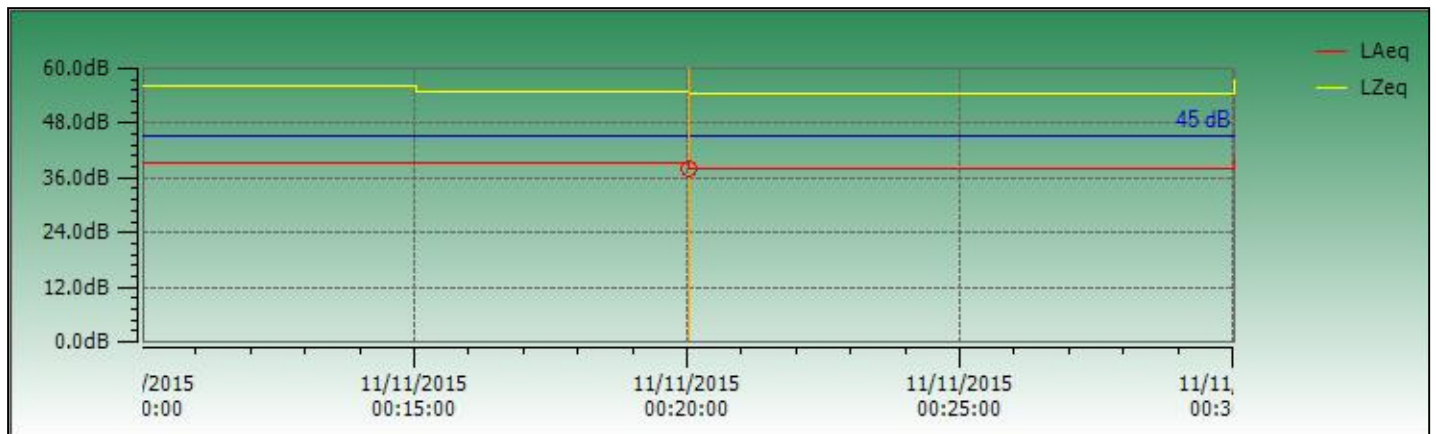
Report On Placerville

Report Sorted/Grouped By:

Instrument Model

CEL-633B

Duration	00:20:01 HH:MM:SS	Serial Number	5011536
Response	Random	Process	Unallocated
LApeak with Time	65.8 dB (11/11/2015 12:10:40 AM)	Result	Period
End Date & Time	11/11/2015 12:30:03 AM	LAeq	38.7 dB
Pause Duration	00:00:00 HH:MM:SS	LZeq	55.1 dB
Run Number	21	Calibration (After) Date	11/11/2015 12:11:35 PM
Start Date & Time	11/11/2015 12:10:02 AM	Calibration (Before) Date	11/11/2015 12:04:54 AM
Site	Placerville	Calibration (Before) SPL	114 dB
Location	Unallocated		



EBI CONSULTING - NOISE MONITORING FIELD NOTES

[illegible]

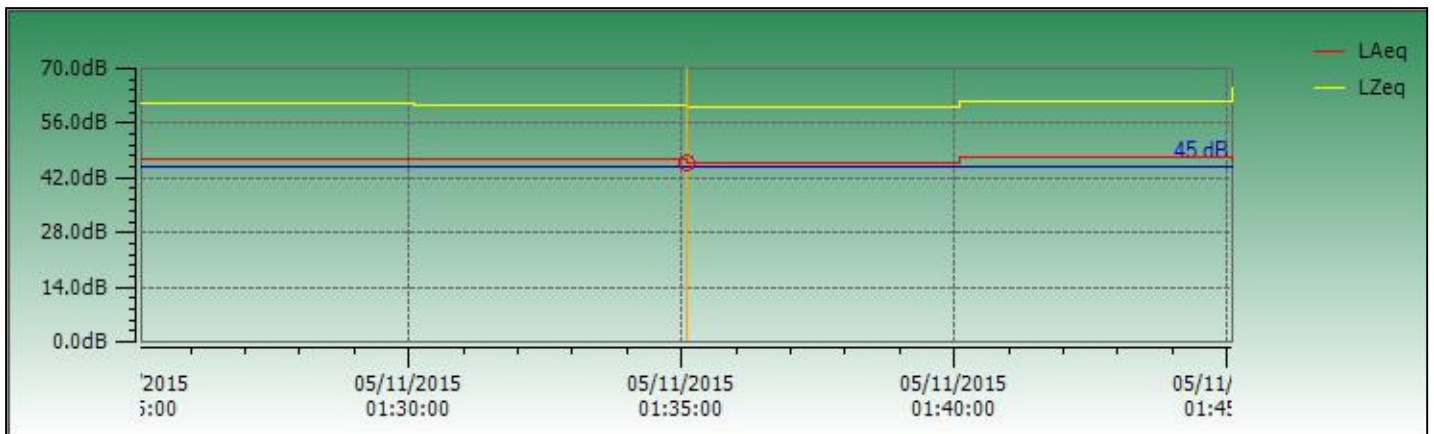
Report On Placerville

Report Sorted/Grouped By:

Instrument Model

CEL-633B

Duration	00:20:01 HH:MM:SS	Serial Number	5011536
Response	Random	Process	Unallocated
LApeak with Time	77.6 dB (11/5/2015 1:27:17 AM)	Result	Period
End Date & Time	11/5/2015 1:45:07 AM	LAeq	46.7 dB
Pause Duration	00:00:00 HH:MM:SS	LZeq	60.8 dB
Run Number	18	Calibration (After) Date	11/10/2015 2:20:47 PM
Start Date & Time	11/5/2015 1:25:06 AM	Calibration (Before) Date	11/5/2015 1:24:42 AM
Site	Placerville	Calibration (Before) SPL	114 dB
Location	Unallocated		



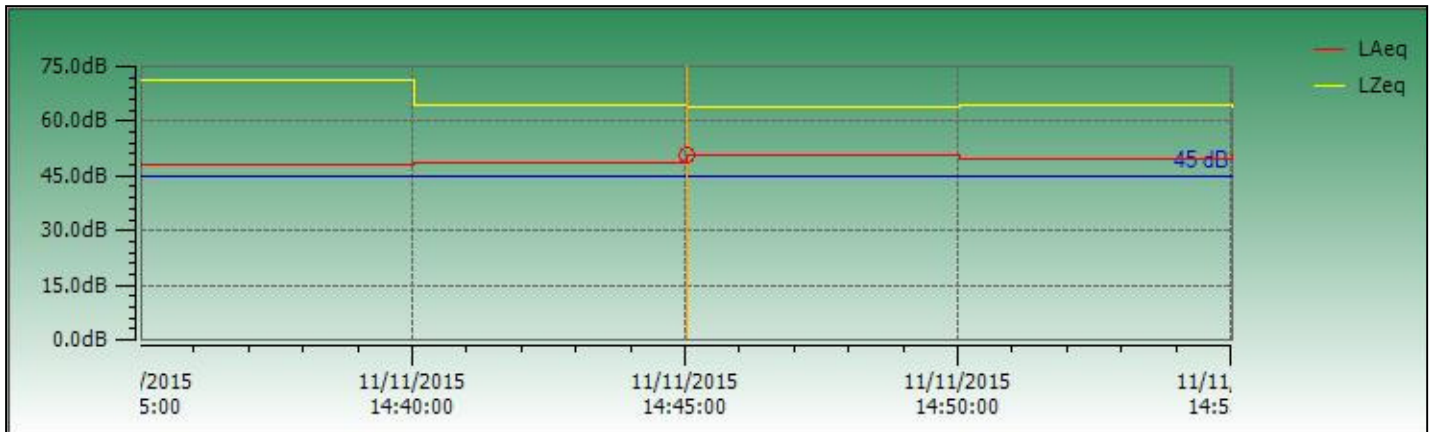
Report On Placerville

Report Sorted/Grouped By:

Instrument Model

CEL-633B

Duration	00:20:01 HH:MM:SS	Serial Number	5011536
Response	Random	Process	Unallocated
LApeak with Time	86.4 dB (11/11/2015 2:35:34 PM)	Result	Period
End Date & Time	11/11/2015 2:55:03 PM	LAeq	49.4 dB
Pause Duration	00:00:00 HH:MM:SS	LZeq	67.3 dB
Run Number	24	Calibration (After) Date	11/11/2015 11:58:23 PM
Start Date & Time	11/11/2015 2:35:02 PM	Calibration (Before) Date	11/11/2015 2:31:41 PM
Site	Placerville	Calibration (Before) SPL	114 dB
Location	Unallocated		



EBI CONSULTING - NOISE MONITORING FIELD NOTES

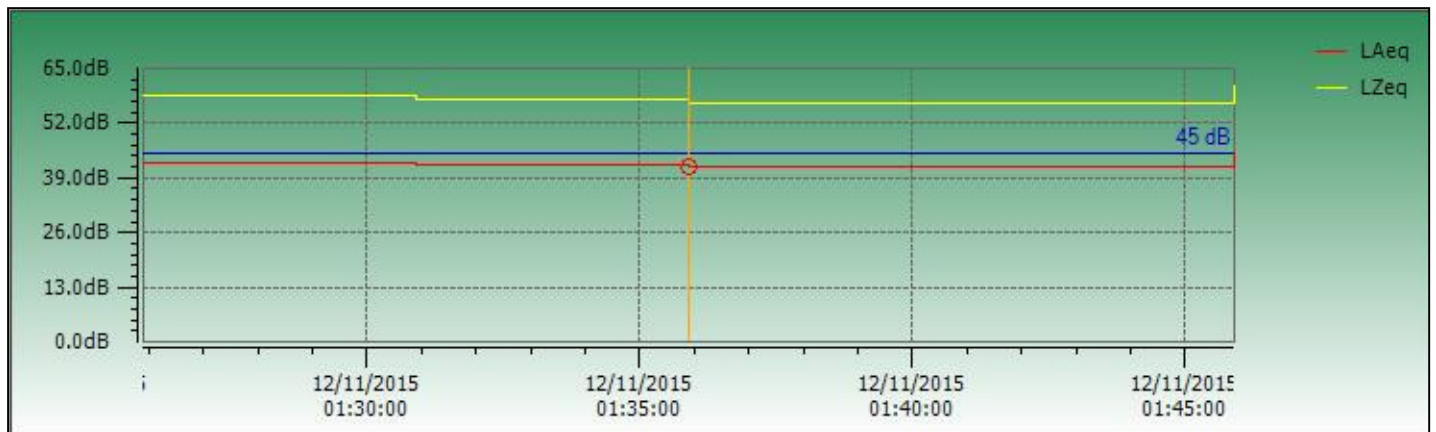
[illegible]

Report On Placerville

Report Sorted/Grouped By:

Instrument Model **CEL-633B**

Duration	00:20:01 HH:MM:SS	Serial Number	5011536
Response	Random	Process	Unallocated
LApeak with Time	75.1 dB (11/12/2015 1:29:47 AM)	Result	Period
End Date & Time	11/12/2015 1:45:55 AM	LAeq	42 dB
Pause Duration	00:00:00 HH:MM:SS	LZeq	57.6 dB
Run Number	27	Calibration (After) Date	11/13/2015 12:03:07 AM
Start Date & Time	11/12/2015 1:25:54 AM	Calibration (Before) Date	11/12/2015 1:25:32 AM
Site	Placerville	Calibration (Before) SPL	114 dB
Location	Unallocated		



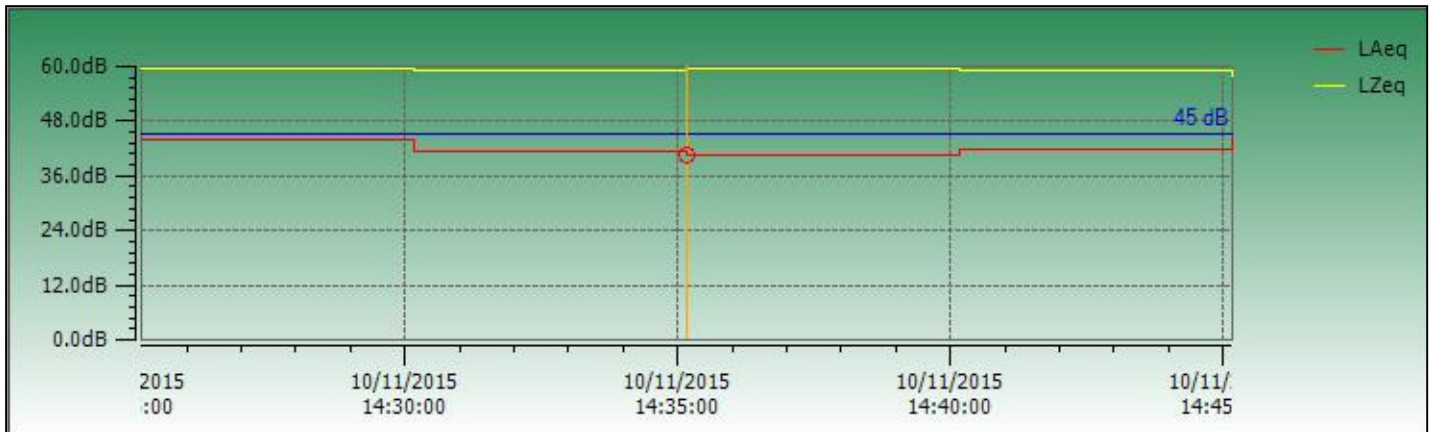
Report On Placerville

Report Sorted/Grouped By:

Instrument Model

CEL-633B




Duration	00:20:01 HH:MM:SS	Serial Number	5011536
Response	Random	Process	Unallocated
LApeak with Time	82.4 dB (11/10/2015 2:43:47 PM)	Result	Period
End Date & Time	11/10/2015 2:45:11 PM	LAeq	42.1 dB
Pause Duration	00:00:00 HH:MM:SS	LZeq	59.3 dB
Run Number	19	Calibration (After) Date	11/11/2015 12:04:54 AM
Start Date & Time	11/10/2015 2:25:10 PM	Calibration (Before) Date	11/10/2015 2:20:47 PM
Site	Placerville	Calibration (Before) SPL	114 dB
Location	Unallocated		






APPENDIX D

SITE PHOTOGRAPHS

	
1.	Base of the tower
	
2.	Signage at base of the tower
	
3.	Signage at base of the tower

	
4.	Loc 1 of monitoring (south property line)
	
5.	Signage at south property line
	
6.	Location 2 of monitoring (north property line)

		
7.	Signage at north property line	
		
8.	Residence closest to north property line	
		
9.	Loc 3 of monitoring and residence closest to western property line	



2016/06/15

