ENVIRONMENTAL INITIAL STUDY & MITIGATED NEGATIVE DECLARATION

Use Permit 24-0003
Everest Infrastructure Partners

January 10, 2025

ENVIRONMENTAL INITIAL STUDY &
MITIGATED NEGATIVE DECLARATION
WITH
References and Documentation

Prepared by
SHASTA COUNTY DEPARTMENT OF RESOURCE MANAGEMENT
PLANNING DIVISION
1855 Placer Street, Suite 103
Redding, California 96001

SHASTA COUNTY
ENVIRONMENTAL CHECKLIST FORM
INITIAL STUDY & MITIGATED NEGATIVE DECLARATION

1. Project Title:
Use Permit 24-0003 (Everest Infrastructure Partners)

2. Lead agency name and address:
Shasta County Department of Resource Management, Planning Division
1855 Placer Street, Suite 103
Redding, CA 96001-1759

3. Contact Person and Phone Number:
Tara Petti, Senior Planner (530) 225-5532

4. Project Location:
The project is in the eastern Shasta County community of Shingletown at 27927 Camino Real, Shingletown, CA, which is situated on the southeast corner of the intersection of State Highway 44 and Camino Real. (Assessor Parcel Number 094-400-017).

5. Applicant Name and Address:
Everest Infrastructure Partners
2 Allegheny Center, Nova Tower 2, Suite 1002
Pittsburg, PA 15212

6. General Plan Designation:
Rural Residential B (RB)

7. Zoning:
Rural Residential-Mobile Home-Building Site Minimum (R-R-T-BSM)

8. Description of Project:
The project is a use permit application to construct, operate, and maintain an unmanned commercial wireless telecommunications facility within a 45-foot by 45-foot ground lease area on a parcel developed with a single-family residence and associated residential accessory structures. The lease area would be graded, enclosed by a 6-foot-tall chain-link fence with green privacy slats, and would be lighted by two L.E.D. work lights, not to exceed 100 watts with motion sensor control. Proposed improvements include a 154-foot-tall monopole tower with three four-sector antenna mounts designed to accommodate up to sixteen (16) antennas and twelve (12) remote radio units (RRU's) per sector. Additional mounts and ancillary equipment such as surge suppressors and microwave dishes would be installed on the tower as well to augment the wireless telecommunication service. In total, the facility would accommodate up to forty-eight (48) panel antennas, thirty-six (36) RRUs and various other ancillary equipment. Two of the three antenna array mounts and area within ground lease would be reserved for future carriers to co-locate at the facility. Two outdoor equipment cabinets and a 30-kilowatt diesel backup generator with a 210-gallon diesel fuel tank would also be constructed within the lease area on a proposed 21-foot by 11-foot concrete slab.

Improvements outside of the lease area would include utilities to serve the installation, including a small transformer on a 54-inch by 52-inch prefabricated concrete slab, fiber, and electric utility lines; construction of an approximately 450-foot all-weather gravel access driveway within a 15-foot-wide access and utility easement where there is an existing unimproved driveway; an approximately 630-foot underground utility run from an existing power pole and transformer; and an approximately 680-foot fiber-optic cable run to a new point of connection on an existing fiber

optic cable at Camino Real. Excavators, backhoes, bulldozers, trenchers, dump trucks, cranes and similar equipment could all be used for site preparation activities and construction, including clearing, grubbing, and approximately 235 cubic yards of grading, trenching, excavation and backfilling for installation of all facility structures, ancillary equipment, fencing, utilities installation (electricity and fiber optic), and driveway construction.

The applicant is requesting an exception from the landscape requirements of the Shasta County Code which requires landscaping to be provided and maintained for the life of the facility to screen any ground structures or equipment.

9. Surrounding Land Uses and Setting:

The project site is an approximately 4.74-acre property that is developed with a one-family residence and detached barn. The 45-foot by 45-foot project lease area is located on the east side of the property approximately 18 feet northwest of the existing barn and approximately 234 feet east of the existing residence.

Surrounding land uses consist primarily of low-density residential development, three small residential lots to the on the north side of State Highway 44, and some large rangeland parcels in the vicinity to the east, west and south of the project site. All adjacent lands are designated as Rural Residential B (RB) by the Shasta County General Plan and are in the Limited Residential combined with Mobile Home (R-L-T) zone district, the Unclassified (U) zone district or the Rural Residential zone district combined with the Mobile Home and Building Site Minimum zone district (R-R-T-BSM). The project site is relatively flat with vegetation consisting of pockets of blue oak/foothill pine forest where the site has not been disturbed by existing residential uses. There are no waterways, creeks, intermittent streams or other water features of any kind on site. On-site drainage sheet flows in a northwesterly direction.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.):

Shasta County Building Division
Shasta County Fire Department
Shasta County Department of Public Works
Federal Communications Commission

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

In accordance with Public Resources Code (PRC) Section 21080.3.1, the Paskenta Tribe of Nomlaki Indians (Tribe) filed and Shasta County received a request for formal notification of proposed projects within an area of Shasta County that is traditionally and culturally affiliated with the Tribe. Pursuant to PRC Section 21080.3.1, the Department of Resource Management sent a certified letter to notify the Tribe that the project was under review and to provide the Tribe 30 days from the receipt of the letter to request formal consultation on the project in writing. Certified mail records indicate that the notification letter was received by the Tribe on Monday, October 21, 2024. As of Wednesday, November 20, 2024, no request for consultation on the project was received from the Tribe. Therefore, the requirements of AB52 have been met and no AB52 project consultation with the Tribe is required.

NOTE: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

	Aesthetics		Agricultural Resources		Air Quality
	Biological Resources		Cultural Resources		Energy
	Geology / Soils		Greenhouse Gas Emissions		Hazards & Hazardous Materials
	Hydrology / Water Quality		Land Use / Planning		Mineral Resources
	Noise		Population / Housing		Public Services
	Recreation		Transportation		Tribal Cultural Resources
	Utilities / Service Systems		Wildfire		Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of the initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR of NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Copies of the Initial Study and related materials and documentation may be obtained at the Planning Division of the Department of Resource Management, 1855 Placer Street, Suite 103, Redding, CA 96001. Contact Tara Petti, Senior Planner at (530) 225-5532.

Tara Petti
Senior Planner

1/8/25
Date

Sean Ewing
Director of Resource Management

1/10/25
Date

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parenthesis following each question. A "No Impact" answer is adequately supported if all the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less-than-significant with mitigation, or less-than-significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more, "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less-than-significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less-than-significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level (mitigation measures from Section XVIII, "Earlier Analyses," may be cross-referenced).

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or Negative Declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

   a) Earlier Analysis Used. Identify and state where they are available for review.

   b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

   c) Mitigation Measures: For effects that are "Less-than-significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. General Plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify the following:

   a) The significance criteria or threshold, if any, used to evaluate each question; and
   b) The mitigation measure identified, if any, to reduce the impact to less-than-significant.

I. AESTHETICS: Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?			✔	
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?				✔
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?		✔		
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			✔	

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, and Photo Simulations prepared by AdvanceSim (July 2024), the following findings can be made:

a-b) The proposed tower is a 154-foot tall monopole structure. Photo simulations of the proposed structure (prepared by AdvanceSim) were provided from four public vantage points: first from State Highway 44 East approximately 400 feet northwest of the lease area looking southeast; the second from State Highway 44 approximately 1,700 feet northwest of the lease area looking southeast; the third from State Highway 44 approximately 800 feet east of the lease area looking to the west; and the fourth from Camino Real approximately 500 feet west of the lease area looking east. The view from public vantage point 1 is obstructed by existing conifer trees. The proposed monopole is visible from public vantage points 2, 3 and 4. Topography in the vicinity of the project site is relatively flat and distant views are full or partially obstructed by conifer trees. No scenic vista appears visible from public vantage points in the vicinity based on photo simulations submitted with the application. The project is in the Eastern Upland General Plan Area which includes scenic resources such as Mt. Lassen. The project site is located in a State Highway 44 corridor where the General Plan indicates that the natural environment is dominant but this segment is neither currently eligible or designated as scenic highway. Therefore, the project site is not visible from a designated scenic highway. Public views at greater distance and/or from public vantage points not represented in the photo simulations would not be significantly impacted based on the character of the landscape in the vicinity, and the fact that State Highway 44 East is not a designated scenic highway.

c) Shasta County Zoning Plan Section 17.88.282.E establishes standards that are protective of the existing visual character and quality of the site and its surroundings, such as the requirement that commercial wireless telecommunication facilities shall not have a significant adverse effect on a scenic vista or significantly impact the existing visual character or quality of the site and its surroundings as verified by an environmental document or exemption prepared in accordance with the requirements of the California Environmental Quality Act (CEQA). Section 17.88.282.E also establishes landscaping requirements to screen any ground structures or equipment for the life of the project, setback requirements, and a requirement prohibiting wireless telecommunication facilities to be placed within one thousand five hundred feet of an existing wireless telecommunication facility unless environmental documentation verifies that a concentration of towers in close proximity will not have a cumulative adverse impact on the visual character or quality of the site and its surroundings.

The proposed monopole would not be located within 1,500 feet of an existing wireless telecommunication facility. As proposed, the monopole tower complies with the minimum setback requirements. The view of the proposed lease area from Highway 44 and Camino Real is partially obstructed by existing vegetation and development within the project site. The applicant is requesting an exception to the landscaping standards and is proposing a six-foot-tall chain link fence with green privacy slats that together with existing vegetation and development on the project site, will effectively shield the ground structures and equipment from view.

Photo simulations of the proposed structure (prepared by AdvanceSim) were taken from four public vantage points as described in section a-b above. According to the photosimulation exhibits, the proposed monopole tower is visible from public vantage points

2, 3 and 4. The project site is located in a State Highway 44 corridor where the General Plan indicates that the natural environment is dominant. Blue Oak-Foothill Pine is the predominant vegetation community in the vicinity of the project and the prevalent views along Highway 44 are of forested lands interspersed with low rise residential development on rural parcels. There are no utility structures in the vicinity that are similar in height or aesthetic character to the proposed monopole tower. The proposed monopole tower would starkly contrast with the surrounding forested landscape and rural residential character of the area, and as a result would substantially degrade the existing visual character or quality of public views of the site and its surroundings. Mitigation measures I.c.1-I.c.3 are incorporated into the project to require the monopole tower to be camouflaged/stealthed as a pine tree (monopine) in order to reduce degradation of the existing visual character and quality of public views of the site and its surroundings. With implementation of the proposed mitigation measures for stealthing, the potential impacts of the project on the existing visual character or quality of public views of the site and its surroundings would be less-than-significant.

d) The project would not create a new source of substantial light or glare which would adversely affect day or nighttime views in a non-urbanized area. The applicant proposes two L.E.D, 100 watt or less, down-directed security lights, one located to the north of the proposed generator and equipment shelters and one to the west. The conditions of approval for the project would include a standard condition requiring compliance with Section 17.88.282.E.5 of the County Zoning Plan, requiring external structure and area lighting to be activated and controlled by motion sensors. No other lighting is proposed. Therefore, potential impacts of the project from new sources of substantial light or glare on day or nighttime views in a non-urbanized area would be less-than-significant.

Mitigation/Monitoring: With the following mitigation measures, the impacts from the project to aesthetics would be less-than-significant.

I.c.1) The proposed monopole tower shall be camouflaged/stealthed as a pine tree (monopine). The entire monopine structure (including the top portion) shall replicate, to the maximum extent possible, the form of a pine tree in terms of shape (conical rather than symmetrical), foliage density, and branch structure and will have no less than 3 branches per lineal foot starting at not less than 15 feet above ground. The length of the artificial branches shall exceed that of the antenna arrays by a minimum of one foot and the density of the artificial foliage shall be such that the visibility of the antenna arrays are secondary to that of the monopine. Antennas and associated hardware shall be entirely screened from view by utilizing pine needle socks and other necessary methods. The pole shall be round and covered with simulated bark. The permittee shall provide samples of the bark, branches, and pine needles to the Planning Division. Building plans for the monopine facility shall include details and specifications pertaining to the appearance of the monopine. Both samples and plans are to be reviewed and approved by the Planning Director prior to building permit issuance.

I.c.2) All ancillary equipment and hardware attached to the monopine structure shall have a non-reflective finish and colored to blend in with the monopine designed structure. The ground equipment shall have a non-reflective finish. The proposed colors shall be submitted to and approved by the Planning Director prior to building permit issuance.

I.c.3) The monopine structure (branches and bark, antennas and associated equipment) shall be maintained in good condition in terms of color, texture, and overall natural appearance. The permittee shall agree to reasonable repairs and replacement of equipment and structural and aesthetic components, due to damage caused by outdoor exposure and/or inclement weather. The permittee shall replace such components within 60 days of written notice by the County.

II. AGRICULTURE AND FORESTRY RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				✔
b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract?				✔
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				✔
d) Result in the loss of forest land or conversion of forest land to non-forest use?			✔	
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The subject property is not identified as Prime Farmland, Unique Farmland, or Statewide Importance on the map titled Shasta County Important Farmland 2016.

b) Neither this property nor the surrounding properties are zoned for agricultural use nor are they in a Williamson Act Contract.

c-e) The project would not conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g)). The project site may not be forest land or timberland because the R-R zone district does not allow for forest management without approval of local discretionary use permit. The property is not in a Timberland Production zone district. If the California Department of Forestry and Fire Protection determines that the project site is forest land or timberland, the project would as a consequence result in the conversion of forest land. The project may qualify for a less-than-three-acre conversion permit exemption which would represent a negligible conversion of forest land currently present within Shasta County. Regardless of whether the project would qualify for exemption, the potential impacts of the project resulting from the loss forest land or conversion to non-forest use would be less-than-significant. The site is not located in an area of significant agricultural soils and is not currently used for agricultural purposes.

Mitigation/Monitoring: None proposed.

III. AIR QUALITY: Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?				✔
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?			✔	
c) Expose sensitive receptors to substantial pollutant concentrations?			✔	
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			✔	

Discussion: Based on related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a-b) The project would not conflict with or obstruct implementation of the 2021 Attainment Plan for the Northern Sacramento Valley Planning Air Basin as adopted by Shasta County, or any other applicable air quality plan. The telecommunications facility proposes a backup generator which would only run during power outages. The project would have impacts on air quality during construction, and during infrequent maintenance visits, infrequent back-up generator operations during power outages and periodic "exercise" cycling.

The NSVPA Air Quality Attainment Plan (2021) designates Shasta County as an area of Nonattainment with respect to the ozone California ambient air quality standards. Nitrogen oxides (NOx) are a group of highly reactive gasses and are also known as "oxides of nitrogen." Because NOx is an ingredient in the formation of ozone, it is referred to as an ozone precursor. NOx is emitted from combustion sources such as cars, trucks and buses, power plants, and off-road equipment. Construction equipment and activities associated with making probable improvements would generate air contaminants, including oxides of nitrogen (NOx), reactive organic gases (ROG), carbon dioxide (CO2) and particulate matter (PM10), in the form of engine exhaust and fugitive dust. However, the emissions emitted during construction would be limited and temporary. The Shasta County AQMD, Rule 3:28, is intended to limit emissions of NOx and carbon monoxide (CO) from stationary internal combustion engines. Any future generator for backup power for the site that might be proposed would be subject to this rule if its engine exceeds a 50-brake horsepower (bhp) engine rating.

In addition, the Shasta County General Plan requires Standard Mitigation Measures (SMMs) or Best Available Mitigation Measures (BAMMs) on all discretionary land use applications as recommended by the AQMD in order to mitigate both direct and indirect emissions of non-attainment pollutants. With the application of SMMs and BAMMs, in combination with the limited scope of improvements, infrequent maintenance visits, the project will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard and would not conflict with or obstruct implementation of the NSVPA Air Quality Attainment Plan (2021) as adopted by Shasta County, or any other applicable air quality plan.

c-d) The facility would not be located in an area where substantial numbers of people live or work. The nearest sensitive receptors would be the residence located on the property approximately 234 feet to the west. The nearest residence on an adjacent property to the south is approximately 330 feet away from the facility. Trenching and backfilling for the electric utility and fiber optic cable would occur on a temporary basis within approximately 60 feet away from the onsite residence.

Substantial pollutant and odor concentrations are not anticipated due to the limited scope and duration of construction. Post-construction, the wireless communications facility would be unmanned and require only infrequent maintenance visits. As identified above, the proposed 30-kilowatt diesel generator would operate infrequently during power outages and periodic

"exercise" cycling. As a result, exposure of sensitive receptors or a substantial number of people to substantial pollutant concentrations and/or other emissions would be less-than-significant.

Mitigation/Monitoring: None proposed.

IV. BIOLOGICAL RESOURCES: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Have a substantial effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?		✔		
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local of regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				✔
c) Have a substantial adverse effect on state or Federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				✔
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				✔
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				✔
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community, Conservation Plan, or other approved local, regional, or State habitat conservation plan?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, and observations on the project site and in the vicinity, the following findings can be made:

a-b) The subject parcel is previously disturbed and continues to be disturbed by existing residential uses. Project related construction activities include ground disturbing grading and trenching. The project will be constructed in an existing clearing to the northwest of the existing barn, no tree removal is proposed to complete construction. Grading for access improvements and trenching for utilities will occur within the existing unimproved driveway to the barn.

Lighting from the project is limited to two shielded and down-directed service-lights that would each be oriented towards equipment service areas inside the lease area. The conditions of approval for the project would include a standard condition requiring compliance with section 17.88.282.E.5 of the Shasta County Zoning Plan, requiring external structure and area lighting to be activated and controlled by motion sensors. No other lighting is proposed. While lighting has been shown to have adverse effects on wildlife and plant species, the minimal lighting proposed by the project and because lighting would be motion-sensor-controlled, impacts from lighting on wildlife or plants are considered to be less-than-significant.

Due to the disturbed nature of the project site, a biological assessment was not completed for the project.. However, the subject property is partially wooded with an understory of shrubs and grasses in areas where residential development is absent. Nesting birds and raptors and various species of bats could potentially be present in or be utilizing existing vegetation in the within and/or

in vicinity of the project site at the time of construction, and although the project will be constructed in a previously-cleared and disturbed portion of the subject parcel, nesting birds may be utilizing the project site during the nesting season. Project related disturbance could therefore potentially impact nesting birds that may be present when construction is initiated. Though there are not trees proposed to be removed within the areas proposed for improvement, some tree and/or limb removal may become necessary at the time of construction to make room for maneuvering equipment. Due to the potential for nesting birds, raptors and/or bats to be present in the vicinity of the project and the possibility that tree and/or removal may become necessary during project construction, Mitigation Measures IV.a.1-IV.a.2 are recommended to avoid potentially significant impacts to nesting birds, raptors and/or bat species that are present in the project vicinity.

The project site is located within the range of the Western Bumble Bee (Bombus occidentalis) according to CDFW Western Bumble Bee Range Map, which is a candidate species for listing as endangered in California. Western Bumble Bees may inhabit woodlands, grasslands, shrublands, agricultural lands and urban landscapes. Therefore, potential suitable habitat exists on site for the species. Inadvertent impacts to bumble bees, if present, could occur during project construction and operations, and would be significant if they are present on-site and removed for development or project operations. Mitigation Measure IV.a.3 recommends avoidance and minimization measures to avoid potential impacts to bees, if present during project related disturbance.

No riparian habitat or other sensitive natural community identified in local of regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service exist on the property or in the location of proposed improvements.

c) Based on USFWS wetland maps and Shasta County GIS Data there are no state or federally protected wetlands. According to the United States Department of Agriculture, Natural Resources Soil Conservation Service Web Soil Survey, there are no hydric soils present onsite. The project would not have a substantial adverse effect on any wetlands through direct removal, filing, hydrological interruption or other means.

d) The project would not interfere with any native resident or migratory fish or wildlife species, nor impede the use of native wildlife nursery sites (see also section a-b) above.

e) The project would not conflict with any ordinances or policies which protect biological resources.

f) No habitat conservation plans or other similar plans have been adopted for the project site or project area.

Mitigation/Monitoring: With the following mitigation measures, the impacts on biological resources would be less-than-significant.

IV.a.1) The project proponent shall implement the following mitigation measures to avoid significant impacts to nesting birds and/or raptors protected under Fish and Game Code sections 3503 and 3503.5:

A. Conduct vegetation removal and other ground-disturbance activities associated with construction from September 1 through January 31, when birds are not nesting; or

B. If vegetation removal or ground disturbance activities occur during the nesting season (February 1 through August 31), a pre-construction nesting survey shall be conducted by a qualified biologist within 14 days of vegetation removal or construction activities. If an active nest is located during the preconstruction surveys, avoidance and minimization measures should be implemented in accordance with recommendations from a qualified biologist. Avoidance and minimization measures may include, but are not limited to, exclusion buffers, sound-attenuation measures, seasonal work closures based on the known biology and life history of the species identified during the survey, as well as ongoing monitoring by biologists. The results of the pre-construction surveys shall be sent electronically to CDFW at R1CEQARedding@wildlife.ca.gov.

IV.a.2) The project proponent shall implement the following mitigation measures to avoid significant impacts to bat species protected under Fish and Game Code section 4150:

A. Trees that contain cavities, crevices, or exfoliated bark have high potential to be used by various bat species. If land alteration and/or removal of trees with cavities, crevices, or exfoliated will occur, a thorough survey should be conducted by a qualified biologist to determine if bat roosting opportunities are present prior to tree removal.

B. Trees with 12” diameter at breast height (DBH) or greater with potentially suitable roosting features should be clearly marked by a qualified biologist and may be removed as follows:

i. To avoid impacts to roosting bats, removal of trees should occur only during the following time frames and subject to the following weather conditions, or as otherwise approved/recommended by a qualified biologist:

- Between March 15 and April 30, and between August 15 and October 1; and
- Between October 2 and March 14 when evening temperatures are above 45°F, and no more than ½" of rainfall within a 24-hour period prior to tree removal.

ii. Trees shall be removed using a two-step process to allow bats the opportunity to abandon the roost prior to removal. The two-sept removal process is as follows:

- Day 1: Remove small-diameter trees, brush, and non-habitat features of large trees (branches without cavities, crevices, or exfoliating bark) to create noise and vibration disturbance on the tree and to alter the air flow and temperature around the roost feature thus encouraging bats to vacate roost features on their own. The tree shall then be left for 24 hours to allow the bats to move to another roost site. No excavators, grinders, or other heavy equipment should be used for first day trimming of bat habitat trees.
- Day 2: If bats may be in branches that can be removed from the tree and set aside, cut the branches off intact and set them upright against trees away from the Project area to allow any bats present to passively escape. Then, remove the remainder of the tree.

IV.a.3) The project proponent shall implement the following mitigation measures to avoid significant impacts to special-status bumble bees in accordance with the survey considerations outlined in the *June 2023 Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bees Species publication:*

A. Conduct construction activities outside of the peak months of the western bumble bee colony flight season (October 1 to May 31).

B. If construction activity will occur during the peak months of the western bumble bee colony flight season (April 1 to September 30), a qualified biologist, specifically those qualified under a research Memorandum of Understanding or authorizing Incidental Take Permit (as described on page 7 of CDFW's Guidelines), shall conduct surveys for special-status bumble bees prior to the start of construction. Three on-site surveys shall be conducted two to four weeks apart, weather depending, and when floral resources are present.

i. Species identification and photographic vouchers shall be submitted to CDFW and experts from the Bumble Bee Watch for species verification by an experienced taxonomist prior to the start of land modification and/or vegetation removal.
ii. If special-status bumble bees are detected, a nesting survey as the protocol is described in CDFW's *June 2023 Survey Considerations for CESA Candidate Bumble Bee Species*, shall be performed throughout the project area.
iii. If special-status bumble bees and/or their nests are detected, the potential for "take" as defined by Fish and Game Code section 86 shall be analyzed and quantified. If suitable avoidance and minimization measures to fully avoid take are not feasible, CDFW shall be consulted regarding the need for take authorization pursuant to Fish and Game Code section 2081(b). Otherwise, suitable avoidance and minimization measures to fully avoid take should be employed, and/or the formulation of a Mitigation and Monitoring Plan should be developed for impacts to suitable western bumble bee habitat.
iv. All data, including negative and/or positive observations, shall be submitted to the CNDDB and Bumble Bee Watch.

V. CULTURAL RESOURCES – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?			✔	

V. CULTURAL RESOURCES – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?			✔	
c) Disturb any human remains, including those interred outside of formal cemeteries?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, and observations on the project site and in the vicinity, the following findings can be made:

a-b) Information about the project was sent to the Northeast Information Center of the California Historical Resources Information System, which reviewed the project and commented that the project area is in an area considered to be low sensitivity for cultural resources. No cultural resources have been recorded within a half mile and no historical resources were inadvertently discovered during the development of the existing residence and accessory buildings that currently occupy the property. Therefore, the project would not cause a substantial adverse change in the significance of an historical and/or archeological resource.

c) The project site is not on or adjacent to any known cemetery or burial area. Therefore, there is no evidence to suggest that the project would disturb any human remains.

Although there is no evidence to suggest that the project would result in any significant effect to historical, archeological, paleontological, or unique geologic resource, or human remains, there is always the possibility that such resources or remains could be encountered. Therefore, if, in the course of development, any archaeological, historical, or paleontological resources are uncovered, discovered or otherwise detected or observed, construction activities in the affected area shall cease and a qualified archaeologist shall be contacted to review the site and advise the County of the site's significance. If the findings are deemed significant by the Environmental Review Officer, appropriate mitigation shall be required.

Mitigation/Monitoring: None proposed.

VI. ENERGY – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?				✔
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The project would not result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. During construction there would be a temporary consumption of energy resources required for the movement of equipment and materials. Compliance with local, State, and federal regulations (e.g., limit engine idling times, requirement for the recycling of construction debris, etc.) would reduce and/or minimize short-term energy demand during the project's construction to the extent feasible, and project construction would not result in a wasteful or inefficient use of energy. During operation of the completed project, there are no unusual project characteristics or processes that would require the use of equipment that would be more energy intensive than is used for comparable projects, or the use of equipment that would not conform to current emissions standards and related fuel efficiencies.

b) The project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. State and local

agencies regulate the use and consumption of energy through various methods and programs. As a result of the passage of Assembly Bill 32 (AB 32) (the California Global Warming Solutions Act of 2006) which seeks to reduce the effects of Greenhouse Gas (GHG) Emissions, a majority of the state regulations are intended to reduce energy use and GHG emissions. At the local level, the County's Building Division enforces the applicable requirements of the Energy Efficiency Standards and Green Building Standards in Title 24.

Mitigation/Monitoring: None proposed.

VII. GEOLOGY AND SOILS – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: i) Rupture of a known earthquake, fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publications 42. ii) Strong seismic ground shaking? iii) Seismic-related ground failure, including liquefaction? iv) Landslides?			✔	
b) Result in substantial soil erosion or the loss of topsoil?			✔	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?				✔
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?				✔
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?				✔
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i, ii, iii) Rupture of a known earthquake fault, strong seismic ground shaking, seismic-related ground failure, including liquefaction;

According to the Alquist-Priolo Earthquake Fault Zoning Maps for Shasta County, there is no known earthquake fault on or near the project site. The entire County is in Seismic Design Category D. According to the Seismic Hazards Assessment for the City of Redding, California, prepared by Woodward Clyde, dated July 6, 1995, the most significant earthquake at the project site may be

a background (random) North American crustal event up to 6.5 on the Richter scale at distances of 10 to 20 km. Wireless telecommunications towers are not specifically designated as a critical or high-risk facility in the California Building Code, nor are they defined as such by the Shasta County zoning code. The wireless telecommunication facility would be constructed in accordance with the seismic standards and requirements of the California Building Code, including preparation of a soils report, if deemed necessary based on site specific soil conditions. Therefore, the potential impacts due to rupture of a known earthquake fault, strong seismic ground shaking, seismic-related ground failure, including liquefaction, would be less-than-significant.

iv) Landslides.

The project is not located at the top or toe or in the vicinity of any significant topographic feature that may be susceptible to landslides.

b) The project would not result in substantial soil erosion or the loss of topsoil.

The United States Department of Agriculture, Natural Resources Soil Conservation Service Web Soil Survey, identified the soils in the project site as Aiken loam 2 to 9 percent slopes. This soil type is classified as slight hazard of erosion, indicating that erosion is unlikely under ordinary climatic conditions. The project site is relatively flat, and no substantial cuts or fills are anticipated to construct the project. A grading permit is required prior to any grading activities. The grading permit includes requirements for erosion and sediment control, including retention of topsoil. Therefore, potential impacts of the project on soil erosion or with respect to the loss of topsoil would be less-than-significant.

c) The project would not be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse. The property is relatively flat. The project site is not located at the top or toe of any significant slope. Based on records of construction in the area, there is no evidence to support a conclusion that the project is on a geologic unit or soil that is unstable.

d) The United States Department of Agriculture, Natural Resources Soil Conservation Service Web Soil Survey, identified the soils in the project site as Aiken loam 2 to 9 percent slopes. This soil type is not classified as expansive soil. The California Building Code requires a geotechnical report for commercial structures which would recommend appropriate construction methods and/materials to address for the particular onsite soils.

e) The project does not require the use of septic tanks or alternative wastewater disposal systems.

f) The project would not directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

Mitigation/Monitoring: None proposed.

VIII. <u>GREENHOUSE GAS EMISSIONS</u>: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?				✔
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?				✔

Discussion: Based on these comments, the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a, b) In 2005, the Governor of California signed Executive Order S-3-05, establishing that it is the State of California's goal to reduce statewide greenhouse gas (GHG) emission levels. Subsequently, in 2006, the California State Legislature adopted Assembly Bill AB 32, the California Global Warming Solutions Act. In part, AB 32 requires the California Air Resources Board to develop and adopt regulations to achieve a reduction in the State's GHG emissions to year 1990 levels by year 2020.

California Senate Bill 97 established that an individual project's effect on GHG emission levels and global warming must be assessed under CEQA. SB 97 further directed that the State Office of Planning and Research (QPR) develop guidelines for the assessment of a project's GHG emissions. Those guidelines for GHG emissions were subsequently included as amendments to the CEQA Guidelines. The guidelines did not establish thresholds of significance and there are currently no state, regional, county, or city guidelines or thresholds with which to direct project-level CEQA review. As a result, Shasta County reserves the right to use a qualitative and/or quantitative threshold of significance until a specific quantitative threshold is adopted by the state or regional air district.

The City of Redding currently utilizes a quantitative non-zero project-specific threshold based on a methodology recommended by the California Air Pollution Officers Association (CAPCOA) and accepted by the California Air Resources Board. According to CAPCOA's Threshold 2.3, CARB Reporting Threshold, 10,000 metric tons of carbon-dioxide equivalents per year (mtC02eq/yr) is recommended as a quantitative non-zero threshold. This threshold would be the operational equivalent of 550 dwelling units, 400,000 square feet of office use, 120,000 square feet of retail, or 70,000 square feet of supermarket use. This approach is estimated to capture over half the future residential and commercial development projects in the State of California and is designed to support the goals of AB 32 and not hinder it. The use of this quantitative non-zero project-specific threshold by Shasta County, as lead agency, would be consistent with certain practices of other lead agencies in the County and throughout the State of California.

The United States Environmental Protection Agency (EPA) identifies four primary constituents that are most representative of the GHG emissions. They are:

- Carbon Dioxide (CO^2): Emitted primarily through the burning of fossil fuels. Other sources include the burning of solid waste and wood and/or wood products and cement manufacturing.
- Methane (CH^4): Emissions occur during the production and transport of fuels, such as coal and natural gas. Additional emissions are generated by livestock and agricultural land uses, as well as the decomposition of solid waste.
- Nitrous Oxide (N_20): The principal emitters include agricultural and industrial land uses and fossil fuel and waste combustion.
- Fluorinated Gases: These can be emitted during some industrial activities. Also, many of these gases are substitutes for ozone-depleting substances, such as CFC's, which have been used historically as refrigerants. Collectively, these gases are often referred to as "high global-warming potential" gases.

The primary generators of GHG emissions in the United States are electricity generation and transportation. The EPA estimates that nearly 85 percent of the nation's GHG emissions are comprised of carbon dioxide (CO^2). The majority of CO^2 is generated by petroleum consumption associated with transportation and coal consumption associated with electricity generation. The remaining emissions are predominately the result of natural-gas consumption associated with a variety of uses.

With regard to the project, proposed operational emissions are significantly less than the quantitative non-zero project-specific thresholds described above. The scope of the proposed project improvements will not involve a significant number of equipment hours to complete and would not generate significant traffic volumes during construction. Post-construction, the wireless communications facility would be unmanned and require only infrequent maintenance visits which are not expected to generate significant GHG emissions. The proposed 30-kilowatt diesel backup generator will be infrequently operated during power outages and "exercise" cycling. Therefore, the project is not expected to generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, nor would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

Mitigation/Monitoring: None proposed.

IX. <u>HAZARDS AND HAZARDOUS MATERIALS</u>: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			✔	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			✔	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				✔
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				✔
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or				✔

IX. HAZARDS AND HAZARDOUS MATERIALS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
excessive noise for people residing or working in the project area?				
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				✔
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?			✔	

Discussion: Based on these comments, the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, and a Radio Frequency Emissions Compliance Report prepared by Centerline (August 2024) the following findings can be made:

a) The project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.

Based on a Radio Frequency Emissions Analysis provided by Centerline and predictive modeling, the proposed Verizon equipment to be located on the top sector of the tower will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. §§ 1.1307(b)(3) and 1.1310. Horizontal Safety Distance (HSD) and Vertical Safety Distance (VSD) data for the two lower sectors reserved for collocating facilities were not provided in the Radio Frequency Analysis, but it can be reasonably expected that the HSD and VSD would be similar to the HSD and VSD of the Verizon equipment. The conditions of approval for the project would require the applicant for a collocating facility to provide certification by a qualified independent RF engineer that the maximum RF emissions levels of radio signals set by the Federal Communications Commissions (FCC) regulations will not be exceeded at this facility. RF alerting signage and restricting access to the monopole to authorized climbers that have completed RF safety training is required for occupational environment compliance. With conformance to the conditions of approval for the project and FCC regulations, the proposed project will not expose members of the general public to hazardous levels of RF energy and will not contribute to existing cumulative maximum permissible exposure levels on walkable surfaces at ground or in adjacent buildings by 5% of the general population limits. Therefore, potential impacts of the project from RF energy would be less-than-significant.

b) Hazardous materials such as industrial fuels, oils, and solvents may be stored at the site during construction. 210 gallons of diesel fuel will be stored onsite for powering the backup generator proposed. The site will also store batteries inside two of the three proposed equipment cabinets for emergency backup power. A Hazardous Materials Business Plan (HMBP) is required if hazardous materials are stored in reportable quantities. A hazardous substance is reportable if stored at or above 55 gallons for liquids; 200 cubic feet for compressed gas; or 500 pounds for solids. Therefore, a HMBP is required. The HMBP would address hazardous materials safety concerns. The conditions of approval for the project would include a standard condition requiring compliance with this regulatory requirement. Therefore, the project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.

c) The project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. The nearest school, Black Butte Elementary School is located approximately 4 miles east of the project site.

d) The project is not located on a site which is included on a list of hazardous materials sites compiled by the California Department of Toxic Substances Control pursuant to Government Code Section 65962.5.

e) The project is not located within an airport land use plan or within two miles of a public airport or public use airport.

f) A review of the project and the Shasta County and City of Anderson Multi-Jurisdictional Hazard Mitigation Plan indicates that the proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

g) The project is located in a "Very High" fire hazard severity zone. All improvements will be required to be constructed in accordance with Fire Safety Standards. These standards also require the clearing of combustible vegetation around all structures for a distance of not less than 30 feet on each side or to the property line. The California Public Resources Code Section 4291 includes a "Defensible Space" requirement of clearing 100 feet around all buildings or to the property line, whichever is less. The wireless communications facility will be unmanned and requires only infrequent maintenance visits. The project will not substantially increase the exposure of people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires.

Mitigation/Monitoring: None proposed.

X. **HYDROLOGY AND WATER QUALITY:** Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			✔	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin.				✔
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would: (i) result in substantial erosion or siltation on- or off-site: (ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; (iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or (iv) impede or redirect flows?			✔	
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				✔
e) Conflict with or obstruct implementation of a water quality control plan or sustainable management plan?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality. The wireless communications facility would be unmanned and no additional water demand is proposed with this project. Through adherence to construction standards, including erosion and sediment control measures, water quality and waste discharge standards will not be violated. Grading will be needed for this project and a grading permit will be required. The provisions of the grading permit will address erosion and siltation containment on- and off-site. Therefore, potential impacts of the project from violation of water quality standards, waste discharge, or other potential causes of water degradation would be less-than-significant.

b) The project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin. The project does not propose any new well(s). The project would not significantly increase impervious surface area within the project site to the extent that it would cause interference with groundwater recharge. The wireless communications facility would be unmanned and no additional water demand is proposed with this project.

c) The project would not substantially alter the existing drainage pattern of the site or area in a manner which would (i) result in substantial erosion or siltation on- or off-site; (ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; (iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or (iv) impede or redirect flows. The proposed project features a 45-foot by 45-foot equipment lease area that would be and developed on relatively flat ground that would not require any significant recontouring. The project would include grading and trenching to construct an approximately 450-foot gravel access road within a 15-foot access and utility easement, an approximately 630-foot underground utility run from an existing power pole and transformer, and an approximately 680-foot fiber-optic cable run to a new point of connection on an existing fiber optic cable at Camino Real. The driveway would be constructed on flat ground over an unimproved existing access driveway and not require any significant recontouring or drainage facilities that would significantly alter the existing drainage pattern or concentrate and direct storm water run-off that would significantly increase potential erosion or siltation on or off-site. New impervious surfaces would include the monopole and foundation, the 20-foot 9-inch by 11-foot equipment pad, and a 54-inch by 52-inch concrete pad for a small transformer. Drainage from impervious surfaces, the equipment compound and lease area, and

the graveled driveway will be dispersed to adjacent unimproved areas adjacent to the equipment compound and lease area. Compliance with all provisions of the grading permit would be required.

d) The project is not in a flood hazard, tsunami, or seiche zone.

e) Through adherence to construction standards, and the provisions of the required grading permit, including erosion and sediment control measures, the project would not conflict with or obstruct implementation of a water quality control plan or sustainable management plan.

Mitigation/Monitoring: None proposed.

XI. LAND USE AND PLANNING - Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Physically divide an established community?				✔
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The project would not physically divide an established community. The project is not located in any established community. The project does not include the creation of any road, ditch, wall, or other feature which would physically divide an established community.

b) The project would not conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. The project is consistent with the RB General Plan land use designation, the R-R-T-BSM zone district and is also consistent with Chapter 17.88.282 of the Shasta County Code, "Wireless Telecommunication Facilities."

Mitigation/Monitoring: None proposed.

XII. MINERAL RESOURCES – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?				✔
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local General Plan, specific plan or other land use plan?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) There are no known mineral resources of regional value located on or near the project site. Therefore, the project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State.

b) The project site is not identified in the General Plan Minerals Element as containing a locally-important mineral resource. There is no other land use plan which addresses minerals. Therefore, the project would not result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan.

Mitigation/Monitoring: None proposed.

XIII. NOISE – Would the project result in:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			✔	
b) Generation of excessive groundborne vibration or groundborne noise levels				✔
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, and a Noise Compliance Report prepared by P. Marshall & Associates, (May 2024), the following findings can be made:

a) Per the Shasta County Code Section, 17.88.282.D.4, wireless facilities shall be constructed and operated in compliance with the standards of the Shasta County General Plan Noise Element and implementing ordinances and standards. Per the County's General Plan, noise created by new proposed non-transportation noise sources shall be mitigated so as not to exceed the noise level standards of Table N-IV of the Shasta County General Plan as measured immediately within the property line of lands designated for noise-sensitive uses. These noise level performance standards for non-transportation sources are 55dB hourly Leq for daytime (7:00 a.m. to 10:00 p.m.) hours and 50dB hourly Leq for nighttime (10:00 p.m. to 7:00 a.m.) hours. Based on a Noise Study completed by P. Marshall & Associates, the proposed backup generator would generate sound intensity of 41.62dB at the nearest property line (south property line) located approximately 170 feet from the proposed location of the generator. The generator would operate intermittently either during a power outage or as part of its maintenance cycle. Thus, the Shasta County General Plan noise level performance standards for non-transportation sources at all property lines would not be exceeded. There would also be increased noise levels during the construction phase of the project. For use permits involving construction near residences, staff recommends a standard condition of approval limiting construction to daylight hours between 7:00 a.m. and 7:00 p.m. and prohibiting construction on Sundays and Federal holidays. The duration needed to complete construction of the facility would relatively short. This in combination with limited hours and days for construction activity ensure that the temporary increase in ambient noise levels in the vicinity of the project is expected to be less-than-significant.

b) The project would not result in generation of excessive groundborne vibration or groundborne noise levels. Sources of groundborne vibration or groundborne noise levels would be limited to the uses of typical construction equipment. Any groundborne vibration or noise levels because of excavation of footings for the tower and other ancillary structures or trenching for the underground power are expected to be less-than-significant.

c) The project is not located within the vicinity of a private airstrip or an airport land use plan, or within two miles of a public airport or public use airport.

Mitigation/Monitoring: None proposed.

XIV. POPULATION AND HOUSING – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				✔
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The project would not induce substantial unplanned population growth in the area, either directly or indirectly. The project does not include the development of new homes or businesses, nor would any new jobs be created as a result of the project. The project would include the development of an access driveway and extensions of utilities solely to serve the proposed wireless telecommunication facility. There would be no extension of other infrastructure. Therefore, the project is not expected to induce substantial growth in the area.

b) The project would not displace existing housing, necessitating the construction of replacement housing elsewhere. The project does not include destruction of any existing housing.

Mitigation/Monitoring: None proposed.

XV. PUBLIC SERVICES: Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Fire Protection?				✔
Police Protection?				✔
Schools?				✔
Parks?				✔
Other public facilities?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

The project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for:

Fire Protection:

The project is located in a "Very High" fire hazard severity zone. However, no significant additional level of fire protection is necessary.

Police Protection:

The County employs a total of 165 sworn and 69 non-sworn County peace officers (Sheriff's deputies) to serve a population of 66,850 persons that reside in the unincorporated area of the County (U.S. Department of Commerce, Bureau of the Census, April 1, 2020). This level of staffing equates to a ratio of approximately one officer per 286 persons. The wireless communications facility would be unmanned and require only infrequent maintenance visits. The proposed wireless telecommunications facility would be enclosed by a 6-foot-tall chain link fence. The project is not expected to require any significant additional level of police protection.

Schools:

The resultant development from the project will be required to pay the amount allowable per square foot of construction to mitigate school impacts.

Parks:

The County does not have a neighborhood parks system.

Other public facilities:

None.

Mitigation/Monitoring: None proposed.

XVI. RECREATION:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				✔
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. The County does not have a neighborhood or regional parks system or other recreational facilities.

b) The project would not include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

Mitigation/Monitoring: None proposed.

XVII. TRANSPORTATION: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?			✔	
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?			✔	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				✓
d) Result in inadequate emergency access?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The project would not conflict with a program, ordinance or policy establishing measures of effectiveness for the performance of addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. The project site is accessed from Camino Real via State Highway 44. The wireless communications facility would be unmanned and require only infrequent maintenance visits. The project would not generate enough traffic to significantly reduce the volume-to-capacity ratio of adjacent roadways to a reduced level-of-service.

b) Vehicle miles traveled within the County would temporarily increase during construction. The temporary increase would be attributable to employee and inspector travel and deliveries of materials and equipment. This temporary increase is not anticipated to be substantial due to the limited scope and duration of construction. The wireless communications facility would be unmanned and require only infrequent maintenance visits. Vehicle miles traveled in support of facility operations would be negligible. Therefore, potential impacts of the project attributable to conflicts or inconsistencies with CEQA Guidelines section 15064.3 subdivision (b) would be less-than-significant.

c) The project would not substantially increase hazards due to a geometric design feature or incompatible uses. The proposed new 15-foot-wide gravel access driveway does not have geometric design features that would lead to an increase in hazards. There are no land uses occurring on the property that would be considered incompatible with a wireless telecommunications facility.

d) The project site is accessed from Camino Real via State Highway 44. The project has been reviewed by the Shasta County Fire Department which has determined that there is adequate emergency access. The project would not result in inadequate emergency access.

Mitigation/Monitoring: None proposed.

XVIII. TRIBAL CULTURAL RESOURCES: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.				✔

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) Information about the project was sent to the Northeast Information Center of the California Historical Resources Information System, which reviewed the project and commented that the project area is considered to be low sensitivity for cultural resources. No prehistoric resources have been recorded within a half mile and no historical resources were inadvertently discovered during the development of the existing convenience market and fuel station that currently occupies the property.

In accordance PRC §21080.3.1 the Department of Resource Management sent a certified letter to notify the Paskenta Tribe Band of Nomlaki Indians (Tribe) that the project was under review and to provide the Tribe 30 days from the receipt of the letter to request formal consultation on the project in writing. Certified mail records indicate that the notification letter was received by the Tribe Monday, October 21, 2024. As of Wednesday, November 20, 2024, no request for consultation on the project was received from the Tribe.

The project would not cause a substantial adverse change in the significance of a tribal cultural resource as there is no evidence of historical resources at the site that are listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources; or a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.

Although there is no evidence to suggest that the project would result in any significant effect to tribal cultural resources, there is always the possibility that such resources or remains could be encountered. Therefore, if, in the course of development, any archaeological, historical, or paleontological resources are uncovered, discovered or otherwise detected or observed, mineral exploration activities in the affected area shall cease and a qualified archaeologist shall be contacted to review the site and advise the County of the site's significance. If the findings are deemed significant by the Environmental Review Officer, appropriate mitigation shall be required.

Mitigation/Monitoring: None proposed.

XIX. <u>UTILITIES AND SERVICE SYSTEMS</u>: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas or telecommunications facilities, the construction or relocations of which could cause significant environmental effects?			✓	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				✓
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the projects projected demand in addition to the providers existing commitments?				✓
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?				✓
e) Comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) The proposed project would not require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, natural gas or telecommunications facilities, the construction or relocations of which could cause significant environmental effects. The wireless communications facility would be unmanned and not require wastewater treatment, water service, solid waste disposal service, and have minimal impact to storm water drainage. The project would involve routing underground conduit and telecommunications. A grading permit is required prior to any grading activities. Through adherence to construction standards and the provisions of the required grading permit, potential environmental effects would be less-than-significant.

b) The project would have minimal demand for water. During construction water may be used for dust control but otherwise the unmanned wireless communications facility would require little or no additional water demand during operations. The facility would be unmanned and require only infrequent maintenance visits.

c) The project would not require wastewater treatment. The facility would be unmanned and require only infrequent maintenance visits.

d) The project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. The wireless communications facility would be unmanned and require only infrequent maintenance visits.

e) The project would comply with Federal, State, and local management and reduction statutes and regulations related to solid waste. The wireless communications facility would be unmanned and require only infrequent maintenance visits.

Mitigation/Monitoring: None proposed.

XX. WILDFIRE: If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?				✓
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				✓
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				✓
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				✓

Discussion:

a) A review of the project and the Shasta County and City of Anderson Multi-Jurisdictional Hazard Mitigation Plan, and the Shasta County Emergency Operations Plan, indicates that the proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

b) The project would not due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire.

c) The project would not require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment.

d) The project would not expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes.

Mitigation/Monitoring: None proposed.

XIX. MANDATORY FINDINGS OF SIGNIFICANCE:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below the self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		✓		
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection the effects of past projects, the effects of other current projects, and the effects of probable future projects)?				✓
c) Does the project have environmental effects which will cause		✓		

XIX. MANDATORY FINDINGS OF SIGNIFICANCE:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
substantial adverse effects on human beings, either directly or indirectly?				

Discussion:

a) Based on the discussion and findings in Section IV. Biological Resources and Section I. Aesthetics, there is no evidence to support a finding that the project would have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below the self-sustaining levels, threaten to eliminate a plant or animal community, or substantially reduce the number or restrict the range of a rare or endangered plant or animal. In addition, based on discussions and findings in Section V. Cultural Resources, there is no evidence to support a finding that the project would have potential to eliminate important examples of the major periods of California history or prehistory.

With the incorporation of mitigation measures into the project specified in Section I. Aesthetics, the potential impacts would be less-than-significant.

b) Based on the discussion and findings in all Sections above, there is no evidence to suggest that the project would have impacts that are cumulatively considerable.

c) Based on the discussion and findings in all Sections above, there is no evidence to support a finding that the project would have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly.

Mitigation/Monitoring: With the mitigation measures being proposed, potential impacts will be less-than-significant. See the attached Mitigation Monitoring Program (MMP) for a complete listing of the proposed mitigation measures, timing/implementation of the measures, and enforcement/monitoring agent.

INITIAL STUDY COMMENTS

PROJECT NUMBER Use Permit 24-0003 – Everest Infrastructure Partners

GENERAL COMMENTS:

Special Studies: The following project-specific studies have been completed for the proposal and will be considered as part of the record of decision for the Mitigated Negative Declaration. These studies are available for review through the Shasta County Planning Division and online via the link CEQA Documents and Notices (non-EIR documents) | Shasta County California or via the browser web address at: https://www.shastacounty.gov/planning/page/ceqa-documents-and-notices-non-eir-documents.

1. Photo Simulations, AdvanceSim, July 2024
2. Radio Frequency Emissions Compliance Report, Centerline, August 6, 2024
3. Noise Compliance Report, P. Marshall & Associates, May 15, 2024

Agency Referrals: Prior to an environmental recommendation, referrals for this project were sent to agencies thought to have responsible agency or reviewing agency authority. The responses to those referrals (attached), where appropriate, have been incorporated into this document and will be considered as part of the record of decision for the Negative Declaration. Copies of all referral comments may be reviewed through the Shasta County Planning Division. To date, referral comments have been received from the following State agencies or any other agencies which have identified CEQA concerns:

1. None

Conclusion/Summary: Based on a field review by the Planning Division and other agency staff, early consultation review comments from other agencies, information provided by the applicant, and existing information available to the Planning Division, the project, as revised and mitigated, is not anticipated to result in any significant environmental impacts.

SOURCES OF DOCUMENTATION FOR INITIAL STUDY CHECKLIST

All headings of this source document correspond to the headings of the initial study checklist. In addition to the resources listed below, initial study analysis may also be based on field observations by the staff person responsible for completing the initial study. Most resource materials are on file in the office of the Shasta County Department of Resource Management, Planning Division, 1855 Placer Street, Suite 103, Redding, CA 96001, Phone: (530) 225-5532.

GENERAL PLAN AND ZONING

1. Shasta County General Plan and land use designation maps.
2. Applicable community plans, airport plans and specific plans.
3. Shasta County Zoning Ordinance (Shasta County Code Title 17) and zone district maps.

ENVIRONMENTAL IMPACTS

I. AESTHETICS

1. Shasta County General Plan, Section 6.8 Scenic Highways, and Section 7.6 Design Review.
2. Zoning Standards per Shasta County Code, Title 17.

II. AGRICULTURAL AND FORESTRY RESOURCES

1. Shasta County General Plan, Section 6.1 Agricultural Lands.
2. Shasta County Important Farmland 2016 Map, California Department of Conservation.
3. Shasta County General Plan, Section 6.2 Timber Lands.
4. Soil Survey of Shasta County Area, California, published by U.S. Department of Agriculture, Soil Conservation Service and Forest Service, August 1974.

III. AIR QUALITY

1. Shasta County General Plan Section, 6.5 Air Quality.
2. Northern Sacramento Valley Air Basin, 2021 Air Quality Attainment Plan.
3. Records of, or consultation with, the Shasta County Department of Resource Management, Air Quality Management District.

IV. BIOLOGICAL RESOURCES

1. Shasta County General Plan, Section 6.2 Timberlands, and Section 6.7 Fish and Wildlife Habitat.
2. Designated Endangered, Threatened, or Rare Plants and Candidates with Official Listing Dates, published by the California Department of Fish and Wildlife.
3. Natural Diversity Data Base Records of the California Department of Fish and Wildlife.
4. Federal Listing of Rare and Endangered Species.
5. Shasta County General Plan, Section 6.7 Fish and Wildlife Habitat.
6. State and Federal List of Endangered and Threatened Animals of California, published by the California Department of Fish and Wildlife.
7. Natural Diversity Data Base Records of the California Department of Fish and Wildlife.

V. CULTURAL RESOURCES

1. Shasta County General Plan, Section 6.10 Heritage Resources.
2. Records of, or consultation with, the following:
   a. The Northeast Information Center of the California Historical Resources Information System, Department of Anthropology, California State University, Chico.
   b. State Office of Historic Preservation.
   c. Local Native American representatives.
   d. Shasta Historical Society.

VI. ENERGY

1. California Global Warming Solutions Act of 2006 (AB 32)
2. California Code of Regulations Title 24, Part 6 – California Energy Code
3. California Code of Regulations Title 24, Part 11 – California Green Building Standards Code (CALGreen)

VII. GEOLOGY AND SOILS

1. Shasta County General Plan, Section 5.1 Seismic and Geologic Hazards, Section 6.1 Agricultural Lands, and Section 6.3 Minerals.
2. County of Shasta, Erosion and Sediment Control Standards, Design Manual
3. Soil Survey of Shasta County Area, California, published by U.S. Department of Agriculture, Soil Conservation Service and Forest Service, August 1974.
4. Alquist - Priolo, Earthquake Fault Zoning Maps.

VIII. GREENHOUSE GAS EMISSIONS

1. Shasta Regional Climate Action Plan
2. California Air Pollution Control Officers Association (White Paper) CEQA & Climate Change, Evaluating and Addressing

Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act

IX. HAZARDS AND HAZARDOUS MATERIALS

1. Shasta County General Plan, Section 5.4 Fire Safety and Sheriff Protection, and Section 5.6 Hazardous Materials.
2. County of Shasta Multi-Hazard Functional Plan
3. Records of, or consultation with, the following:
   a. Shasta County Department of Resource Management, Environmental Health Division.
   b. Shasta County Fire Prevention Officer.
   c. Shasta County Sheriff's Department, Office of Emergency Services.
   d. Shasta County Department of Public Works.
   e. California Environmental Protection Agency, California Regional Water Quality Control Board, Central Valley Region.

X. HYDROLOGY AND WATER QUALITY

1. Shasta County General Plan, Section 5.2 Flood Protection, Section 5.3 Dam Failure Inundation, and Section 6.6 Water Resources and Water Quality.
2. Flood Boundary and Floodway Maps and Flood Insurance Rate Maps for Shasta County prepared by the Federal Emergency Management Agency, as revised to date.
3. Records of, or consultation with, the Shasta County Department of Public Works acting as the Flood Control Agency and Community Water Systems manager.

XI. LAND USE AND PLANNING

1. Shasta County General Plan land use designation maps and zone district maps.
2. Shasta County Assessor's Office land use data.

XII. MINERAL RESOURCES

3. Shasta County General Plan Section 6.3 Minerals.

XIII. NOISE

1. Shasta County General Plan, Section 5.5 Noise and Technical Appendix B.

XIV. POPULATION AND HOUSING

1. Shasta County General Plan, Section 7.1 Community Organization and Development Patterns.
2. Census data from U.S. Department of Commerce, Bureau of the Census.
4. Shasta County General Plan, Section 7.3 Housing Element.
5. Shasta County Department of Housing and Community Action Programs.

XV. PUBLIC SERVICES

1. Shasta County General Plan, Section 7.5 Public Facilities.
2. U.S. Department of Commerce, Bureau of the Census.
3. Records of, or consultation with, the following:
   a. Shasta County Fire Prevention Officer.
   b. Shasta County Sheriff's Department.
   c. Shasta County Office of Education.
   d. Shasta County Department of Public Works.

XVI. RECREATION

1. Shasta County General Plan, Section 6.9 Open Space and Recreation.

XVII. TRANSPORTATION/TRAFFIC

1. Shasta County General Plan, Section 7.4 Circulation.
2. Records of, or consultation with, the following:
   a. Shasta County Department of Public Works.
   b. Shasta County Regional Transportation Planning Agency.
   c. Shasta County Congestion Management Plan/Transit Development Plan.
3. Institute of Transportation Engineers, Trip Generation Rates.

XVIII. TRIBAL CULTURAL RESOURCES

1. Tribal Consultation in accordance with Public Resources Code section 21080.3.1

XIX. UTILITIES AND SERVICE SYSTEMS

1. Records of, or consultation with, the following:
   a. Pacific Gas and Electric Company.
   b. Pacific Power and Light Company.
   c. Pacific Bell Telephone Company.
   d. Citizens Utilities Company.
   e. T.C.I.

f. Marks Cablevision.
g. Shasta County Department of Resource Management, Environmental Health Division.
h. Shasta County Department of Public Works.

XX. WILDFIRE

1. Office of the State Fire Marshall-CALFIRE Fire Hazard Severity Zone Maps
2. County of Shasta Multi-Jurisdictional Hazard Mitigation Plan

XXI. MANDATORY FINDINGS OF SIGNIFICANCE

1. None

MITIGATION MONITORING PROGRAM (MMP)
FOR USE PERMIT 23-0004 (Everest Infrastructure Partners)

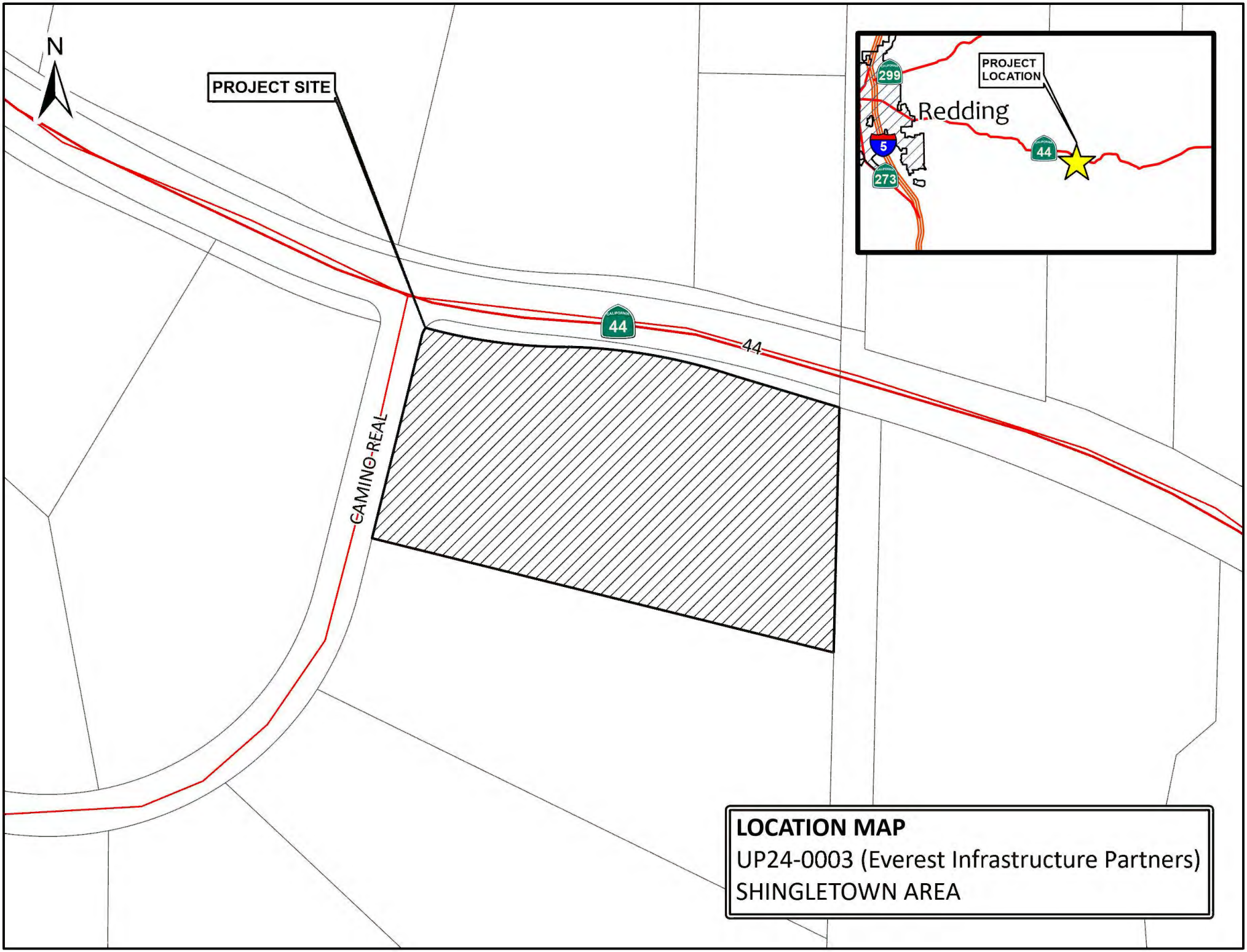
Mitigation Measure/Condition	Timing/Implementation	Enforcement/Monitoring	Verification (Date & Initials)
I. Aesthetics			
I.a.1) The proposed monopole tower shall be camouflaged/stealthed as a pine tree (monopine). The entire monopine structure (including the top portion) shall replicate, to the maximum extent possible, the form of a pine tree in terms of shape (conical rather than symmetrical), foliage density, and branch structure and will have no less than 3 branches per lineal foot starting at not less than 15 feet above ground. The length of the artificial branches shall exceed that of the antenna arrays by a minimum of one foot and the density of the artificial foliage shall be such that the visibility of the antenna arrays are secondary to that of the monopine. Antennas and associated hardware shall be entirely screened from view by utilizing pine needle socks and other necessary methods. The pole shall be round and covered with simulated bark. The permittee shall provide samples of the bark, branches, and pine needles to the Planning Division. Building plans for the monopine facility shall include details and specifications pertaining to the appearance of the monopine. Both samples and plans are to be reviewed and approved by the Planning Director prior to building permit issuance.	Prior to issuance of a building permit. Prior to final of building permit.	Resource Management, Planning Division / Building Division	
I.a.2) All ancillary equipment and hardware attached to the monopine structure shall have a non-reflective finish and colored to blend in with the monopine designed structure. The ground equipment shall have a non-reflective finish and the fence or wall shall have an earth-tone color. The proposed colors shall be submitted to and approved by the Planning Director prior to building permit issuance.	Prior to issuance of a building permit. Prior to final of building permit.	Resource Management Planning Division / Building Division	
I.a.3) The monopine structure (branches and bark, antennas and associated equipment) shall be maintained in good condition in terms of color, texture, and overall natural appearance. The permittee shall agree to reasonable repairs and replacement of equipment and structural and aesthetic components, due to damage caused by outdoor exposure and/or inclement	For the life of the project.	Resource Management Planning Division / Building Division	

Mitigation Measure/Condition	Timing/Implementation	Enforcement/Monitoring	Verification (Date & Initials)
weather. The permittee shall replace such components within 60 days of written notice by the County.			
IV.a.1) The project proponent shall implement the following mitigation measures to avoid significant impacts to nesting birds and/or raptors protected under Fish and Game Code sections 3503 and 3503.5: A. Conduct vegetation removal and other ground-disturbance activities associated with construction from September 1 through January 31, when birds are not nesting; or B. If vegetation removal or ground disturbance activities occur during the nesting season (February 1 through August 31), a pre-construction nesting survey shall be conducted by a qualified biologist within 14 days of vegetation removal or construction activities. If an active nest is located during the preconstruction surveys, avoidance and minimization measures should be implemented in accordance with recommendations from a qualified biologist. Avoidance and minimization measures may include, but are not limited to, exclusion buffers, sound-attenuation measures, seasonal work closures based on the known biology and life history of the species identified during the survey, as well as ongoing monitoring by biologists. The results of the pre-construction surveys shall be sent electronically to CDFW at R1CEQARedding@wildlife.ca.gov.	Prior to Issuance of Building Permits / During Construction/ For the life of the Use Permit	Resource Management, Planning Division / Building Division / California Department of Fish and Wildlife	
IV.a.2) The project proponent shall implement the following mitigation measures to avoid significant impacts to bat species protected under Fish and Game Code section 4150: A. Trees that contain cavities, crevices, or exfoliated bark have high potential to be used by various bat species. If land alteration and/or removal of trees with cavities, crevices, or exfoliated will occur, a thorough survey should be conducted by a qualified biologist to determine if bat roosting opportunities are present prior to tree	Prior to Issuance of Building Permits / During Construction/ For the life of the Use Permit	Resource Management, Planning Division / Building Division / California Department of Fish and Wildlife	

Mitigation Measure/Condition	Timing/Implementation	Enforcement/Monitoring	Verification (Date & Initials)
removal. B. Trees with 12" diameter at breast height (DBH) or greater with potentially suitable roosting features should be clearly marked by a qualified biologist and may be removed as follows: i. To avoid impacts to roosting bats, removal of trees should occur only during the following time frames and subject to the following weather conditions, or as otherwise approved/recommended by a qualified biologist: • Between March 15 and April 30, and between August 15 and October 1; and • Between October 2 and March 14 when evening temperatures are above 45°F, and no more than ½" of rainfall within a 24-hour period prior to tree removal. ii. Trees shall be removed using a two-step process to allow bats the opportunity to abandon the roost prior to removal. The two-sept removal process is as follows: • Day 1: Remove small-diameter trees, brush, and non-habitat features of large trees (branches without cavities, crevices, or exfoliating bark) to create noise and vibration disturbance on the tree and to alter the air flow and temperature around the roost feature thus encouraging bats to vacate roost features on their own. The tree shall then be left for 24 hours to allow the bats to move to another roost site. No excavators, grinders, or other heavy equipment should be used for first day trimming of bat habitat trees. • Day 2: If bats may be in branches that can be removed from the tree and set aside, cut the			

Mitigation Measure/Condition	Timing/Implementation	Enforcement/Monitoring	Verification (Date & Initials)
branches off intact and set them upright against trees away from the Project area to allow any bats present to passively escape. Then, remove the remainder of the tree.			
IV.a.3) The project proponent shall implement the following mitigation measures to avoid significant impacts to special-status bumble bees in accordance with the survey considerations outlined in the *June 2023 Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bees Species publication:* A. Conduct construction activities outside of the peak months of the western bumble bee colony flight season (October 1 to May 31). B. If construction activity will occur during the peak months of the western bumble bee colony flight season (April 1 to September 30), a qualified biologist, specifically those qualified under a research Memorandum of Understanding or authorizing Incidental Take Permit (as described on page 7 of CDFW's Guidelines), shall conduct surveys for special-status bumble bees prior to the start of construction. Three on-site surveys shall be conducted two to four weeks apart, weather depending, and when floral resources are present. v. Species identification and photographic vouchers shall be submitted to CDFW and experts from the Bumble Bee Watch for species verification by an experienced taxonomist prior to the start of land modification and/or vegetation removal. vi. If special-status bumble bees are detected, a nesting survey as the protocol is described in CDFW's *June 2023 Survey Considerations for CESA Candidate Bumble Bee Species*, shall be performed throughout the project area. vii. If special-status bumble bees and/or their nests are detected, the potential for "take" as defined by Fish and Game Code section 86 shall be analyzed and	Prior to Issuance of Building Permits / During Construction/ For the life of the Use Permit	Resource Management, Planning Division / Building Division / California Department of Fish and Wildlife	

Mitigation Measure/Condition	Timing/Implementation	Enforcement/Monitoring	Verification (Date & Initials)
quantified. If suitable avoidance and minimization measures to fully avoid take are not feasible, CDFW shall be consulted regarding the need for take authorization pursuant to Fish and Game Code section 2081(b). Otherwise, suitable avoidance and minimization measures to fully avoid take should be employed, and/or the formulation of a Mitigation and Monitoring Plan should be developed for impacts to suitable western bumble bee habitat. viii. All data, including negative and/or positive observations, shall be submitted to the CNDDB and Bumble Bee Watch.			



LOCATION MAP
UP24-0003 (Everest Infrastructure Partners)
SHINGLETOWN AREA


N
CALIFORNIA
44
44
CAMINO REAL
PROJECT AERIAL
UP24-0003 (Everest Infrastructure Partners)
SHINGLETOWN AREA

EVEREST
INFRASTRUCTURE PARTNERS

HWY 44 & DERSCH

27983 CAMINO REAL, SHINGLETOWN, CA 96088

verizon

HWY 44 & DERSCH

27983 CAMINO REAL, SHINGLETOWN, CA 96088
MDG LOCATION ID: 5000920269
PROJECT ID: 16994887

PROJECT DESCRIPTION

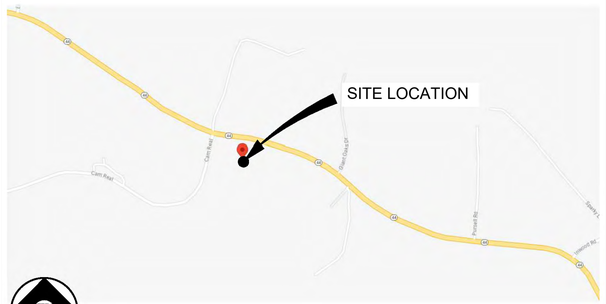
A (N) EVEREST COMMUNICATIONS UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF INSTALLING:

- (N) 45'-0"x45'-0" (1,025 SQ FT) EQUIPMENT LEASE AREA
- (N) 154' TALL MONOPOLE
- (N) U/G UTILITIES TO (N) SITE LOCATION
- (11) (N) VERIZON WIRELESS ANTENNAS
- (N) 4' VERIZON WIRELESS MW DISH
- (8) (N) VERIZON WIRELESS RADIO UNITS @ ANTENNAS
- (4) (N) VERIZON WIRELESS SURGE SUPPRESSORS, (2) @ EQUIPMENT & (2) @ ANTENNAS
- (4) (N) VERIZON WIRELESS 6x12 HYBRID TRUNK CABLES
- (2) (N) VERIZON WIRELESS OUTDOOR EQUIPMENT CABINETS
- (N) VERIZON WIRELESS 30KW DIESEL GENERATOR ON (P) 210 GALLON UL 142 RATED FUEL TANK

PROJECT INFORMATION

SITE NAME:	HWY 44 & DERSCG
MDG LOCATION ID:	5000920269
PROJECT ID:	16994887
COUNTY:	SHASTA
JURISDICTION:	SHASTA COUNTY
APN:	094-400-017
SITE ADDRESS:	27983 CAMINO REAL SHINGLETOWN, CA 96088
CURRENT ZONING:	RLT - LIMITED RESIDENTIAL WITH TRAILER HOMES
CONSTRUCTION TYPE:	V-B
OCCUPANCY TYPE:	U, (UNMANNED COMMUNICATIONS FACILITY)
POWER:	PG&E
LATITUDE:	N 40° 30' 31.76" NAD 83 N (40.508822°) NAD 83
LONGITUDE:	W 122° 00' 45.85" NAD 83 W (-122.012736°) NAD 83
GROUND ELEVATION:	1,704.0' AMSL
PROPERTY OWNER:	SAMUEL & BARBARA ELLEDGE 27983 CAMINO REAL SHINGLETOWN, CA 96088
APPLICANT:	VERIZON WIRELESS 295 PARKSHORE DRIVE FOLSOM, CA 95630
TOWER OWNER:	EVEREST INFRASTRUCTURE PARTNERS TWO ALLEGHENY CENTER NOVA PLACE TOWER 2, SUITE 703 PITTSBURGH, PA 15212
SITE ACQUISITION COMPANY:	CENTERLINE COMMUNICATIONS 23 MAUCHLY, SUITE 110 IRVINE, CA 92618
LEASING CONTACT:	ATTN: JORDAN RANDUC (707) 331-0178 JRANDUCH@CLINELLC.COM
ZONING CONTACT:	ATTN: JORDAN RANDUC (707) 331-0178 JRANDUCH@CLINELLC.COM
CONSTRUCTION CONTACT:	ATTN: RAMON MORENO (916) 751-8827 RMORENO@CLINELLC.COM

VICINITY MAP



SCALE: N/A

CODE COMPLIANCE

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

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

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

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

SHEET INDEX

Issued For:

HWY 44 & DERSCH

27983 CAMINO REAL
SHINGLETOWN, CA 96088

PREPARED FOR

EVEREST
INFRASTRUCTURE PARTNERS

Vendor:

CENTERLINE

MDG LOCATION ID:	5000920269
PROJECT ID:	16994887
DRAWN BY:	C. CODY
CHECKED BY:	S. SAVIG
APPROVED BY:	-

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
6	07/24/24	CLIENT REV	T.T.
5	05/09/24	PLANNING COMMS	T.T.
4	12/07/23	CLIENT REV	A.A.
3	09/25/23	ZD 100%	S.D.
2	08/11/23	CLIENT REV	C.T.C
1	07/26/23	CLIENT REV	C.T.C
0	07/14/23	ZD 90%	C.C.

Licensee:

PRELIMINARY:
NOT FOR CONSTRUCTION

KEVIN R. SORENSEN
S4469

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

ENGINEER:

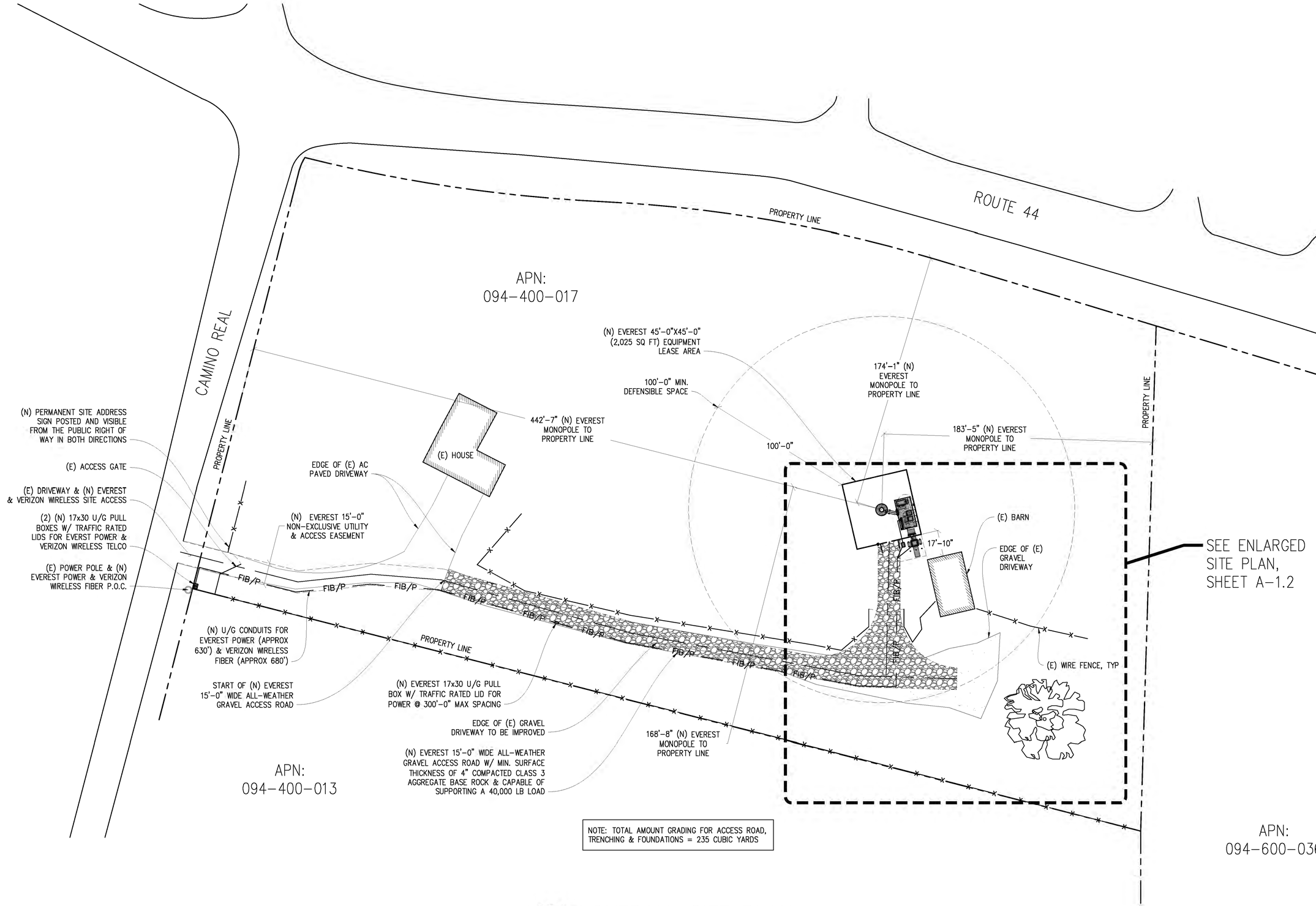
Streamline Engineering and Design, Inc.
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1.1



OVERALL SITE PLAN

1"=30'-0"

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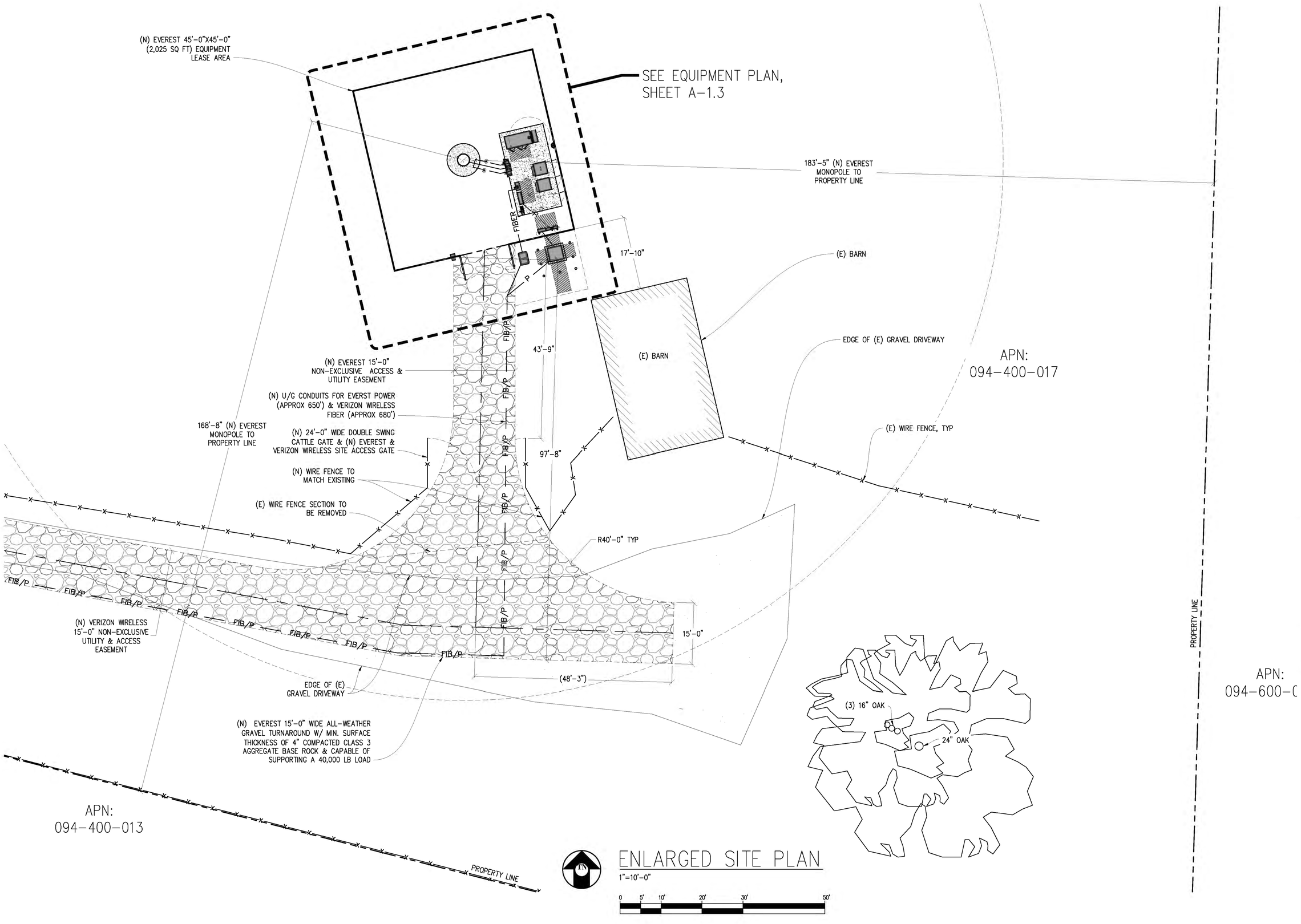
SHEET TITLE:

OVERALL
SITE PLAN

SHEET NUMBER:

A-1.1



ENLARGED SITE PLAN

1"=10'-0"

0 5' 10' 20' 30' 50'

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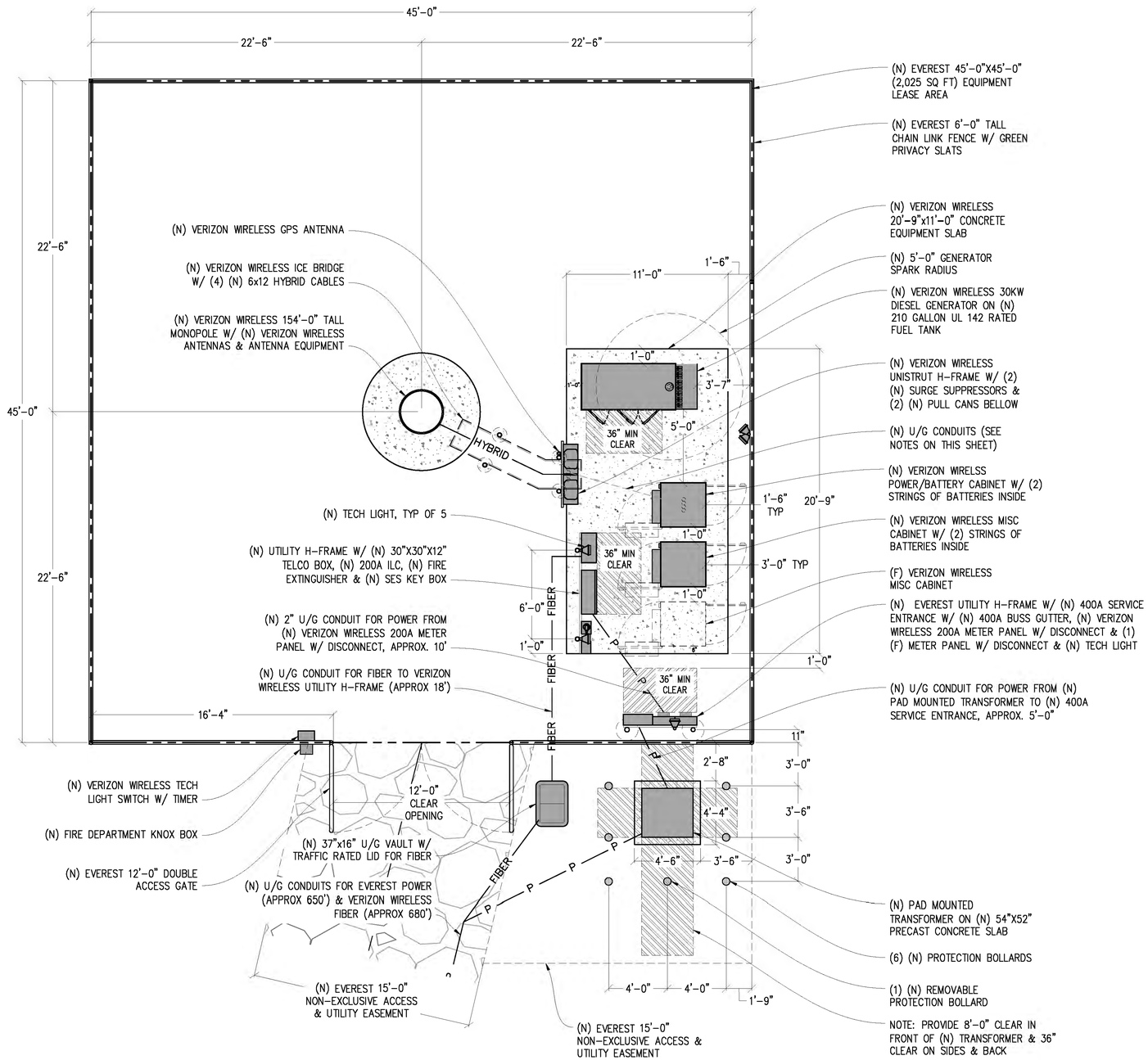
SHEET TITLE:

ENLARGED SITE PLAN

SHEET NUMBER:

A-1.2



EQUIPMENT PLAN

1/4"=1'-0"

0 1' 2' 4' 6' 10' 14' 20'

NOTE:
VERIZON WIRELESS WILL INSTALL (4) (N) ø3" U/G CONDUITS FROM (N) CABINET TO (N) PULL CANS. (2) (N) CONDUITS FOR DC POWER CABLES & (2) (N) CONDUITS FOR FIBER CABLES.

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CHECKED BY:	S. SAVIG
APPROVED BY:	-

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SHEET TITLE:

EQUIPMENT PLAN

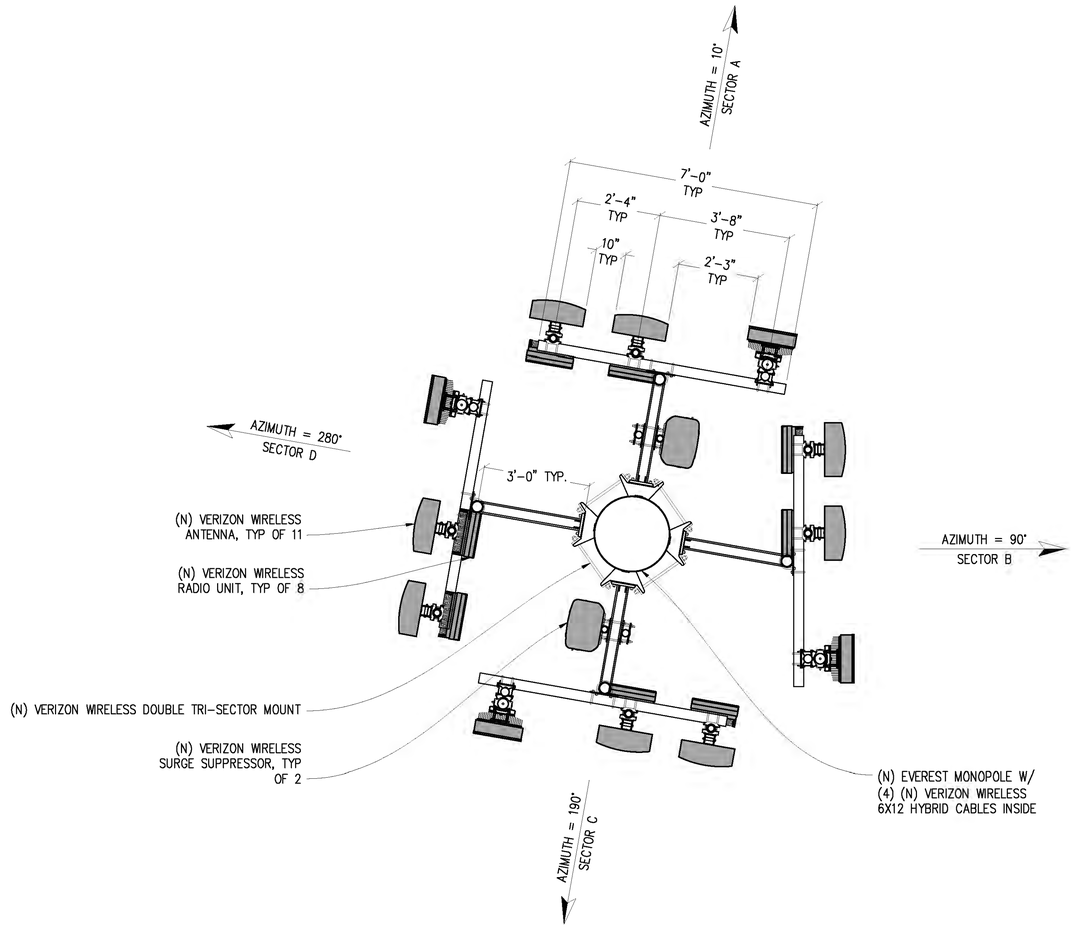
SHEET NUMBER:

A-1.3

ANTENNA & CABLE SCHEDULE (PRELIMINARY & SUBJECT TO CHANGE)

SECTOR		ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRU NO'S & MODEL #	# OF HYBRID CABLES	LENGTH OF CABLES	SURGE SUPPRESSOR
ALPHA	A1	NHH-45C-R2B	10°	±150'-0"	(1) RRUS-4490	SHARED	-	SHARED
	A2	NHH-45C-R2B	10°	±150'-0"	(1) RRUS-4890	SHARED	-	SHARED
	A3	AIR6419	10°	±150'-0"	-	SHARED	-	SHARED
BETA	B1	NHH-45C-R2B	90°	±150'-0"	(1) RRUS-4490	SHARED	-	SHARED
	B2	NHH-45C-R2B	90°	±150'-0"	(1) RRUS-4890	SHARED	-	SHARED
	B3	AIR6419	90°	±150'-0"	-	(2) 6x12	±170'	(1) 6627
GAMMA	C1	NHH-45C-R2B	190°	±150'-0"	(1) RRUS-4490	SHARED	-	SHARED
	C2	NHH-45C-R2B	190°	±150'-0"	(1) RRUS-4890	SHARED	-	SHARED
	C2	AIR6419	190°	±150'-0"	-			
DELTA	D1	NHH-45C-R2B	280°	±150'-0"	(1) RRUS-4490	(2) 6x12	±170'	(1) 6627
	D2	NHH-45C-R2B	280°	±150'-0"	(1) RRUS-4890	SHARED	-	SHARED
	D3	AIR6419	280°	±150'-0"	-	SHARED	-	SHARED

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



ANTENNA PLAN

½"=1'-0"

0 6" 1' 2' 3' 5' 7' 10'

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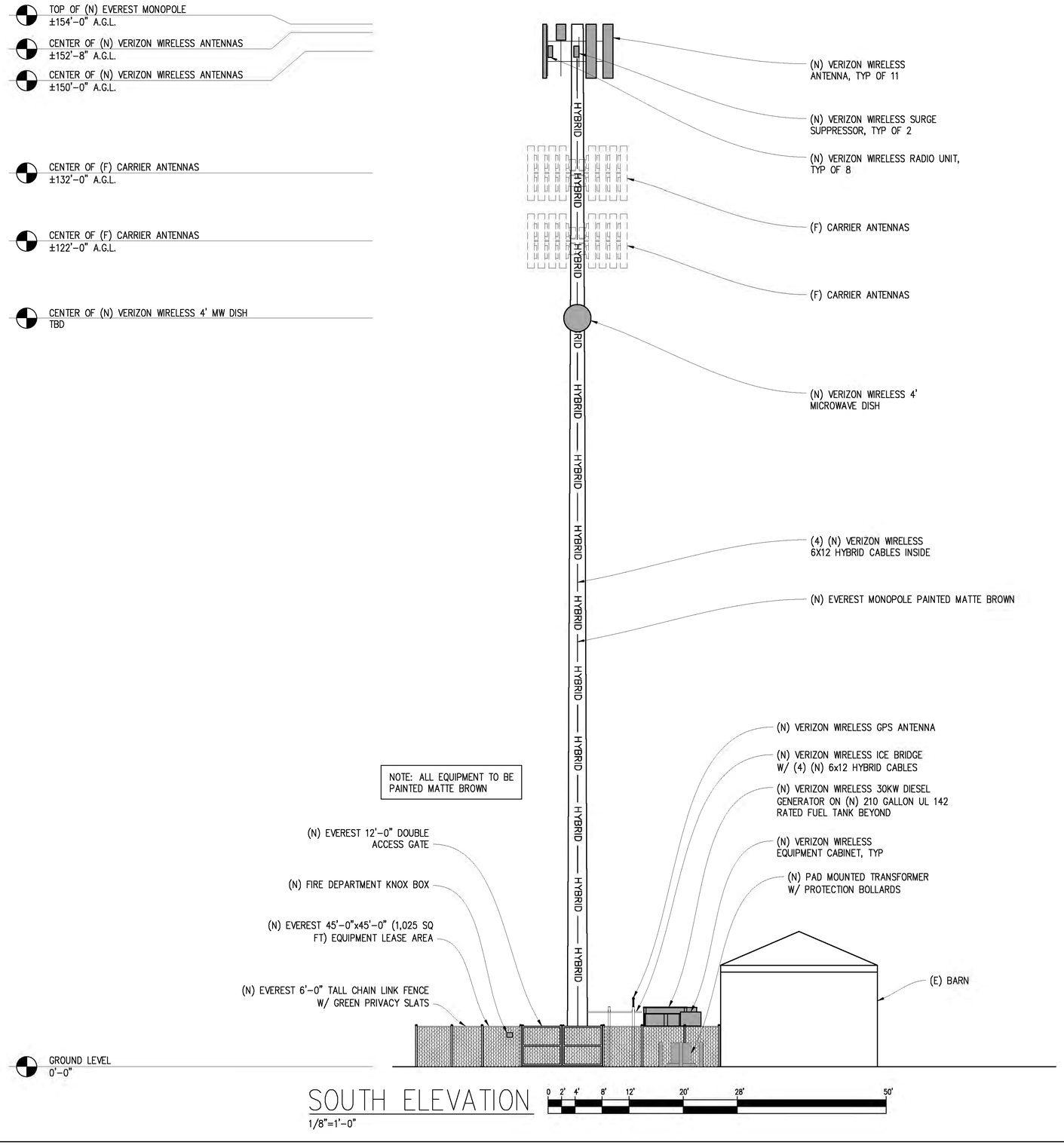
SHEET TITLE:

ANTENNA PLANS

SHEET NUMBER:

A-2.1



SOUTH ELEVATION

1/8"=1'-0"

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SHEET TITLE:

ELEVATION

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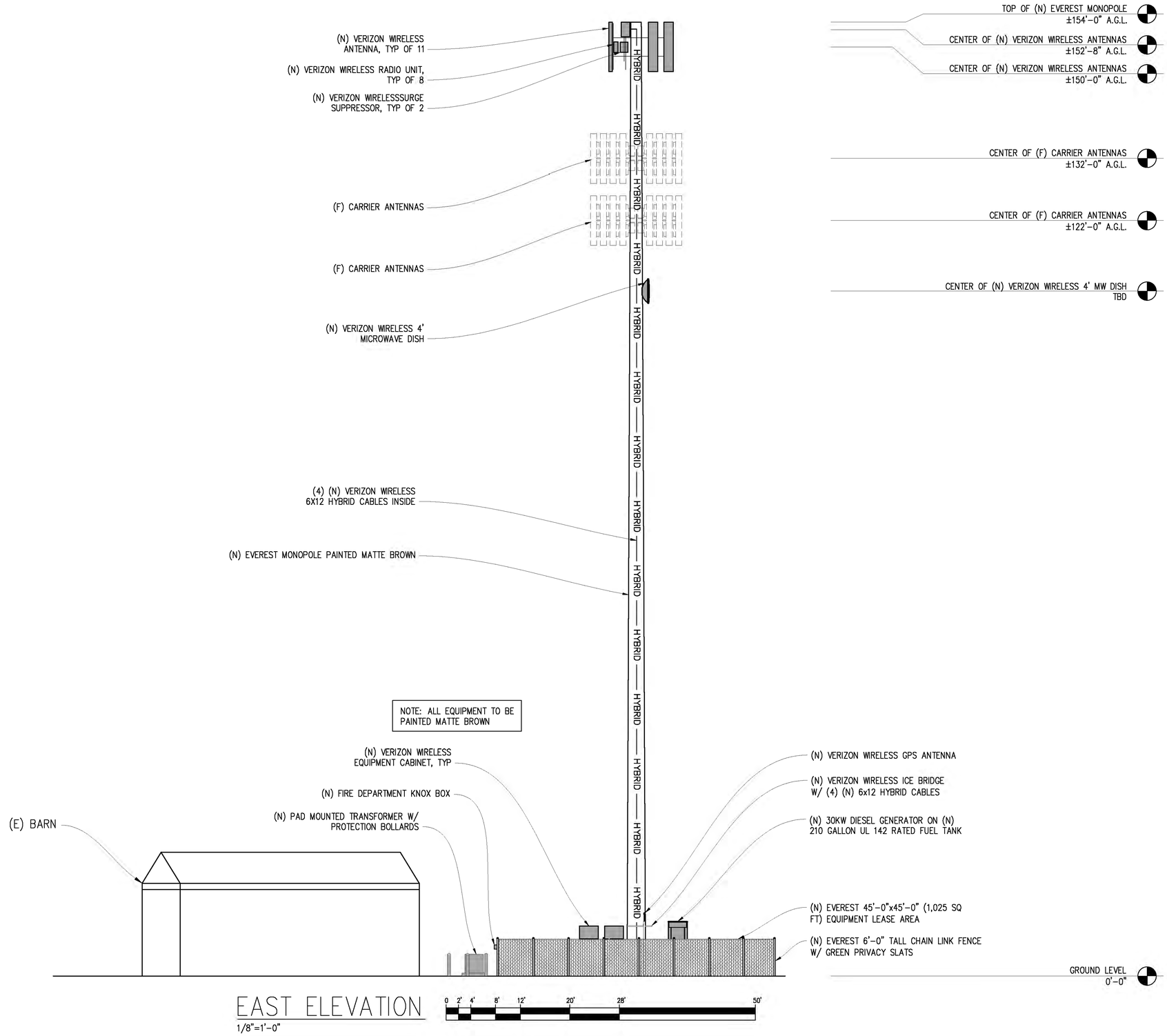
A-3.1



EAST ELEVATION

1/8"=1'-0"

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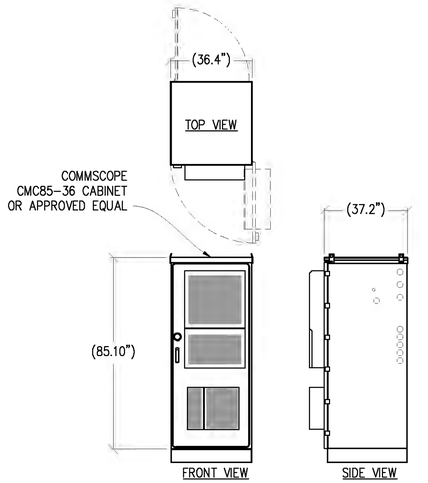
SHEET TITLE:

ELEVATION

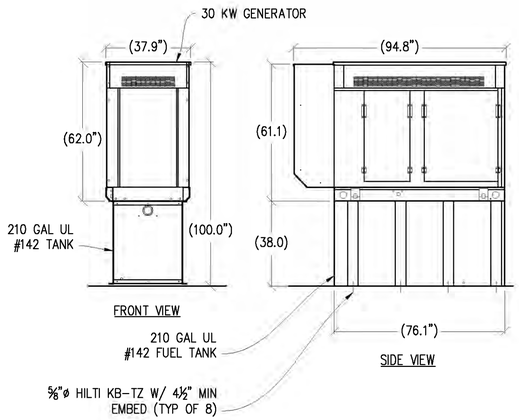
SHEET NUMBER:

A-3.2



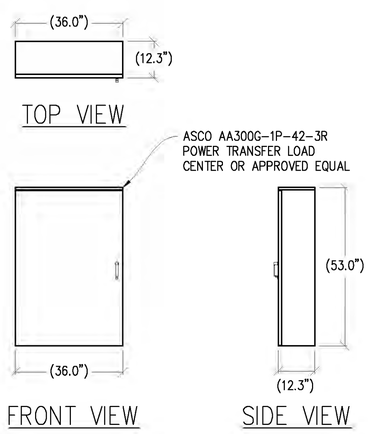
1 CABINET DETAIL

3/8"=1'-0" MAX WEIGHT: 2740 LBS



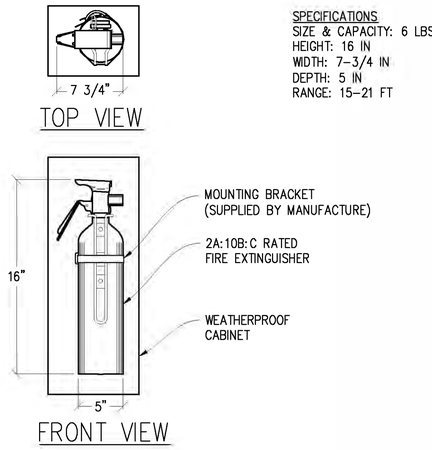
2 30KW GENERATOR DETAIL

3/8"=1'-0" MAX FULL WEIGHT WEIGHT: 4.550 LBS



3 ILC CABINET DETAIL

½"=1'-0" MAX WEIGHT: 210 LBS



4 FIRE EXTINGUISHER DETAIL

N.T.S.

5 TECH LIGHT DETAIL

½"=1'-0"

6 GPS MOUNT DETAIL

¾"=1'-0"

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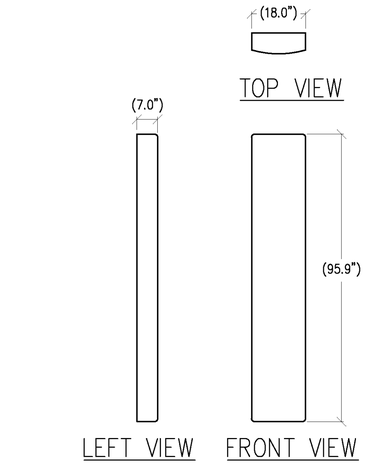
EQUIPMENT DETAILS

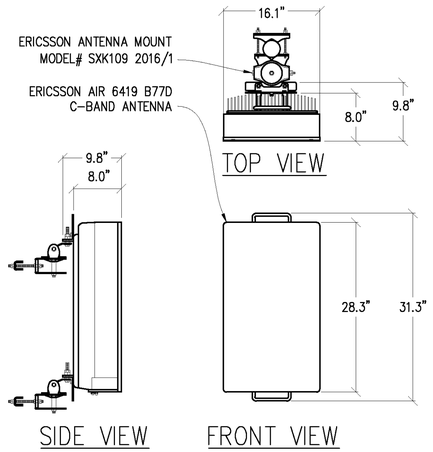
SHEET NUMBER:

A-4.1



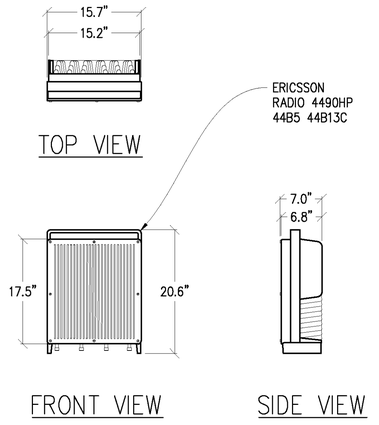
1 ANTENNA DETAIL

½"=1' MAX WEIGHT: 81.1 LBS



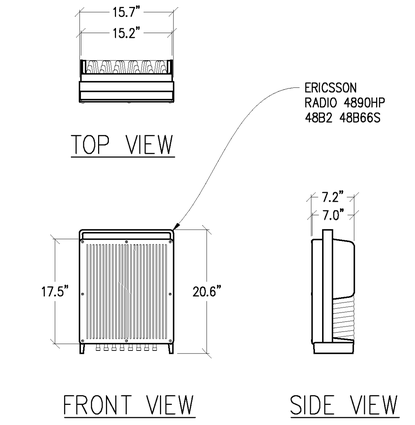
2 ANTENNA DETAIL

1"=1'-0" MAX WEIGHT: 71 LBS



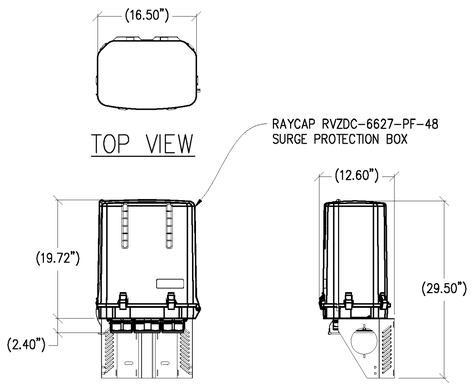
3 RADIO 4490HP DETAIL

1"=1'-0" MAX WEIGHT: 68.4 LBS



4 RADIO 4890HP DETAIL

1"=1'-0" MAX WEIGHT: 69.5 LBS



5 SURGE PROTECTION BOX

1"=1'-0" MAX WEIGHT: 32.0 LBS

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Vendor:

CENTERLINE

MDG LOCATION ID:	5000920269
PROJECT ID:	16994887
DRAWN BY:	C. CODY
CHECKED BY:	S. SAVIG
APPROVED BY:	-

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
6	07/24/24	CLIENT REV	T.T.
5	05/09/24	PLANNING COMMS	T.T.
4	12/07/23	CLIENT REV	A.A.
3	09/25/23	ZD 100%	S.D.
2	08/11/23	CLIENT REV	C.T.C
1	07/26/23	CLIENT REV	C.T.C
0	07/14/23	ZD 90%	C.C.

Licensee:

PRELIMINARY: NOT FOR CONSTRUCTION

KEVIN R. SORENSEN
S4469

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ENGINEER:

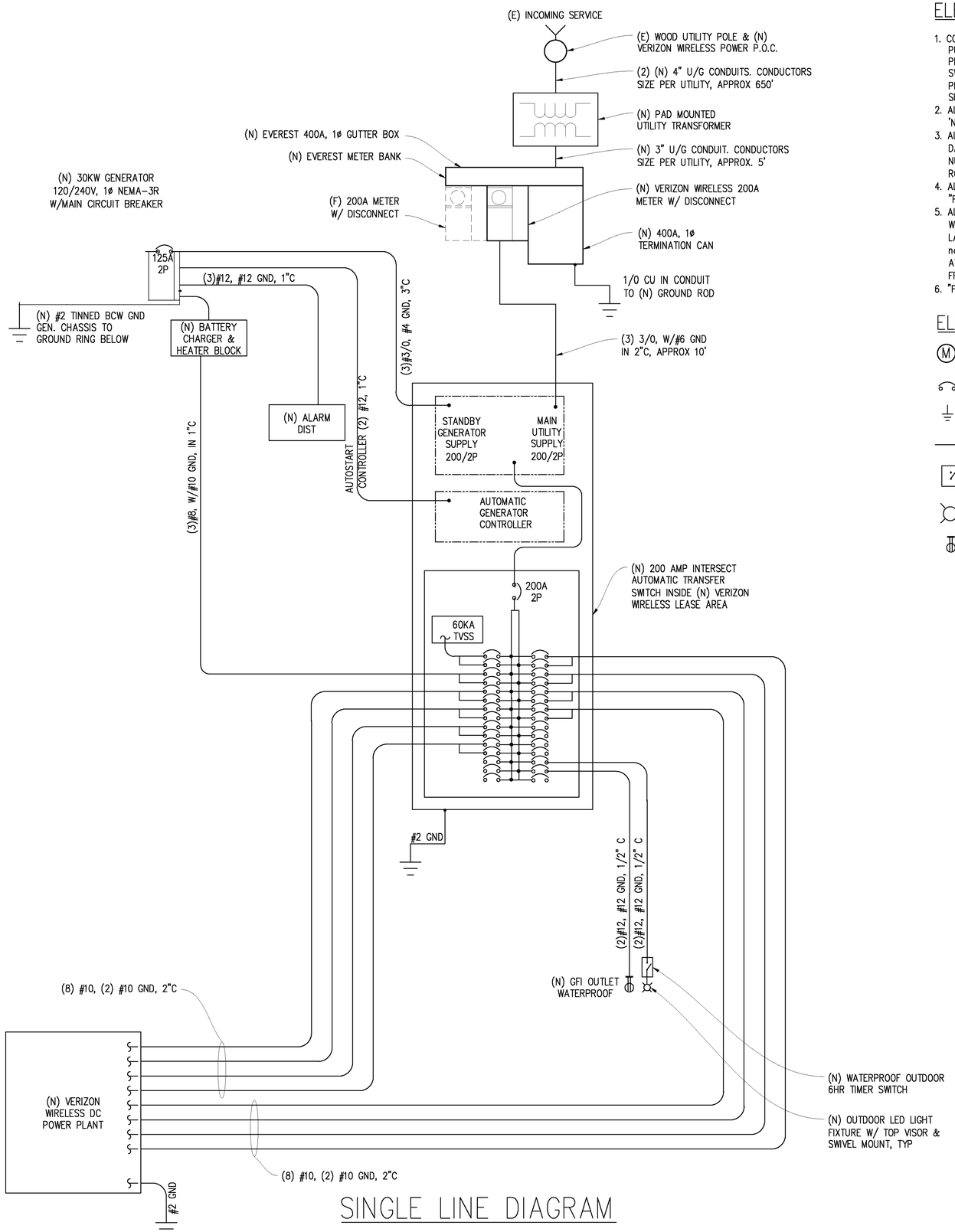
Streamline Engineering and Design, Inc.
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

SHEET TITLE:

ANTENNA DETAILS

SHEET NUMBER:

A-4.2



SINGLE LINE DIAGRAM

ELECTRICAL LABELING REQUIREMENTS

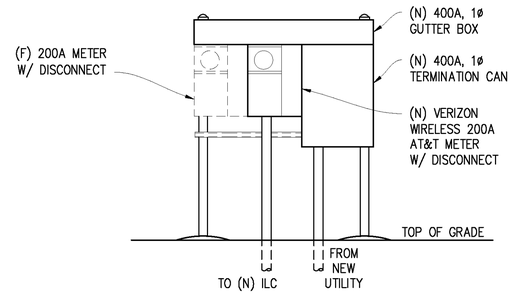
1. CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES INSTALLED OR ALTERED PURSUANT TO THIS CONTRACT PER THE FOLLOWING. LABELS SHALL BE PERMANENT BLACK ON WHITE PEEL & STICK LABEL MAKER TYPE FOR ALL SWITCH & OUTLET PLATES, CONDUITS AND CEILING FIXTURES, AND SHALL BE PHENOLIC TAG TYPE FOR PANELS, XFMR's, PULL BOXES, ETC.; PHENOLIC TAGS SHALL BE RED IN COLOR WHERE BACKED UP BY GENERATOR
2. ALL PANELS, XFMR's AND PULL BOXES SHALL BE LABELLED WITH DEVICE 'NAME', VOLTAGE(S), RATING FOR XFMR's, AND "FED FROM" DATA.
3. ALL SWITCH & OUTLET PLATES SHALL BE LABELLED WITH "FED FROM" CIRCUIT DATA (PANEL NAME & CIRCUIT#); ALL GANG SWITCHES SHALL BEAR SWITCH NUMBERS BEGINNING W/#1 ON LEFT OF THE MAIN LIGHTING SWITCH FOR EACH ROOM FOR COORDINATION W/FIXTURE LABELS.
4. ALL (N) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE "FED FROM" DATA (SWITCH#)
5. ALL CONDUITS EXITING A PANEL BOARD SHALL BE LABELED "CIRCUIT(S) 'X'..." WHERE X IS/ARE THE BREAKER#(S). CONDUITS EXITING XFMR'S SHALL BE LABELLED "FEEDER TO <PANEL, DEVICE>", E.G. "FEEDER TO PANEL <panel name>. CONDUITS ENTERING/EXITING A ROOM OR FLOOR SHALL BE LABELLED AT THE ENTRY & EXIT (OR IN A SINGLE LOCATION IF OBVIOUS) W/"FED FROM..." & "TO PANEL/XFMR/..."DATA.
6. "FED FROM: DATA = <panel name> <brkr#> EG: "PANEL X/1,3,5")

ELECTRICAL LEGEND

- (M) METER
- CIRCUIT BREAKER
- SERVICE GROUND
- WIRED CONNECTION
- TIMER SWITCH, WATERPROOF
- OUTDOOR LIGHT
- GFI OUTLET, WATERPROOF

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 2022 CEC AS WELL AS ALL ADOPTED STANDARDS, APPLICABLE STATE AND LOCAL CODES.
2. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, CONDUCTORS, PULL BOXES, TRANSFORMER PADS, POLE RISERS, AND PERFORM ALL TRENCHING AND BACKFILLING REQUIRED IN THE PLANS.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER PLAN SPECIFICATIONS.
4. ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTION RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED WITH A MINIMUM OF 10,000 A.I.C. OR AS REQUIRED.
5. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
6. ELECTRICAL WIRING SHALL BE COPPER #12 AWG MIN WITH TYPE THHN, THWN-2 OR THW-2, INSULATION RATED FOR 90°C DRY OR 70°C WET.
7. ALL OUTDOOR EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
8. ALL BURIED WIRE SHALL RUN THROUGH SCHEDULE 40 PVC CONDUIT UNLESS OTHERWISE NOTED.
9. A GROUND WIRE IS TO BE PULLED IN ALL CONDUITS.
10. WHERE ELECTRICAL WIRING OCCURS OUTSIDE A STRUCTURE AND HAS THE POTENTIAL FOR EXPOSURE TO WEATHER, WIRING SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL OR FLEXIBLE CONDUIT.
11. WHERE PLANS CALL FOR A NEW ELECTRICAL SERVICE, PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VERIFY PLAN DETAILS WITH THE UTILITY'S SERVICE PLAN & REQ'MTS INCLUDING SERVICE VOLTAGE, METER LOCATION, MAIN DISCONNECTING MEANS, AND AIC REQ'MT, AND SHALL OBTAIN CLARIFICATION FROM THE PROJECT ENGINEER ON ANY DEVIATIONS FOUND IN THESE PLANS.
12. WHERE THESE PLANS SHOW A DC POWER PLANT, THE INSTALLATION OPERATING AT LESS THAN 50 VDC UNGROUNDED, 2-WIRE, SHALL COMPLY WITH ARTICLE 720, AS FOLLOWS:
    - A. POWER PLANT SHALL BE SUPPLIED BY THE WIRELESS CARRIER AS A PULL-TAG ITEM AND INSTALLED BY THE CONTRACTOR.
    - B. CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG COPPER MIN, CONDUCTORS FOR BRANCH CIRCUITS SUPPLYING MORE THAN ONE APPLIANCE SHALL BE 10 AWG CU MIN; CONTRACTOR SHALL SIZE CONDUCTORS BASED ON MFGR'S DATA FOR THE APPLIANCES SERVED.
    - C. THERE ARE NO DC RECEPTACLES OR LUMINARIES ALLOWED ON THIS PROJECT. ALL CIRCUITS SHALL ORIGINATE AT AN INTEGRATED DOUBLE LUG TAP OR SOCKET TERMINATION ON AN INTEGRATED DC CIRCUIT BREAKER AT AN INDIVIDUAL RECTIFIER MODULE AND TERMINATE AT THE SPECIALIZED LUG ON THE RESPECTIVE APPLIANCE AS A SINGLE RUN OF WIRE WITHOUT SPLICES. ALL DC WIRING SHALL BE LABELED AT THE DC PLANT WITH THE APPLIANCE SERVED AND THE DC VOLTAGE.
    - D. ALL CABLING SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND SUPPORTED BY BUILDING STRUCTURE, EG. (N) CABLE TRAY OVERHEAD, IN SUCH A MANNER THAT THE CABLE WILL NOT BE DAMAGED BY NORMAL USE.



1 H-FRAME ELEVATION

½"=1'-0" @ METER BANK

NEW PANEL SCHEDULE

NAMEPLATE : PANEL A			SC LEVEL : 22,000				VOLTS: 120V/240V, 1ø		
LOCATION : OUTSIDE							BUS AMPS: 200A		
MOUNTING : UTILITY H-FRAME							MAIN CB: 200A		
ØA	ØB		BKR AMP/ POLE	CIRCUIT NO		BKR AMP/ POLE		ØA	ØB
LOAD VA	LOAD VA	LOAD DESCRIPTION					LOAD DESCRIPTION	LOAD VA	LOAD VA
30		SURGE ARRESTOR	60/2	1	2	30/2	(N) DC POWER PLANT	1320	
	30	" "	" "	3	4	" "	" "		1320
3840		(N) BATTERY CHARGER & HTR	40/2	5	6	30/2	" "	1320	
	3840	" "	" "	7	8	" "	" "		1320
1320		(N) DC POWER PLANT	30/2	9	10	30/2	" "	1320	
	1320	" "	" "	11	12	" "	" "		1320
1320		" "	30/2	13	14	30/2	" "	1320	
	1320	" "	" "	15	16	" "	" "		1320
1320		" "	30/2	17	18	–	BLANK		
	1320	" "	" "	19	20	–	" "		
1320		" "	30/2	21	22	–	" "		
	1320	" "	" "	23	24	–	" "		
		BLANK	–	25	26	–	" "		
		" "	–	27	28	20/1	LIGHT		300
		" "	–	29	30	20/1	GFI RECEPTACLE	180	
9150	9150	PHASE TOTALS					PHASE TOTALS	5460	5580
TOTAL VA =	29340	TOTAL AMPS =	122						
TOTAL KVA =	29.34								

Issued For:

HWY 44 & DERSCH

27983 CAMINO REAL
SHINGLETOWN, CA 96088

PREPARED FOR

EVEREST INFRASTRUCTURE PARTNERS

Vendor:

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PROJECT ID:	16994887
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CHECKED BY:	S. SAVIG
APPROVED BY:	-

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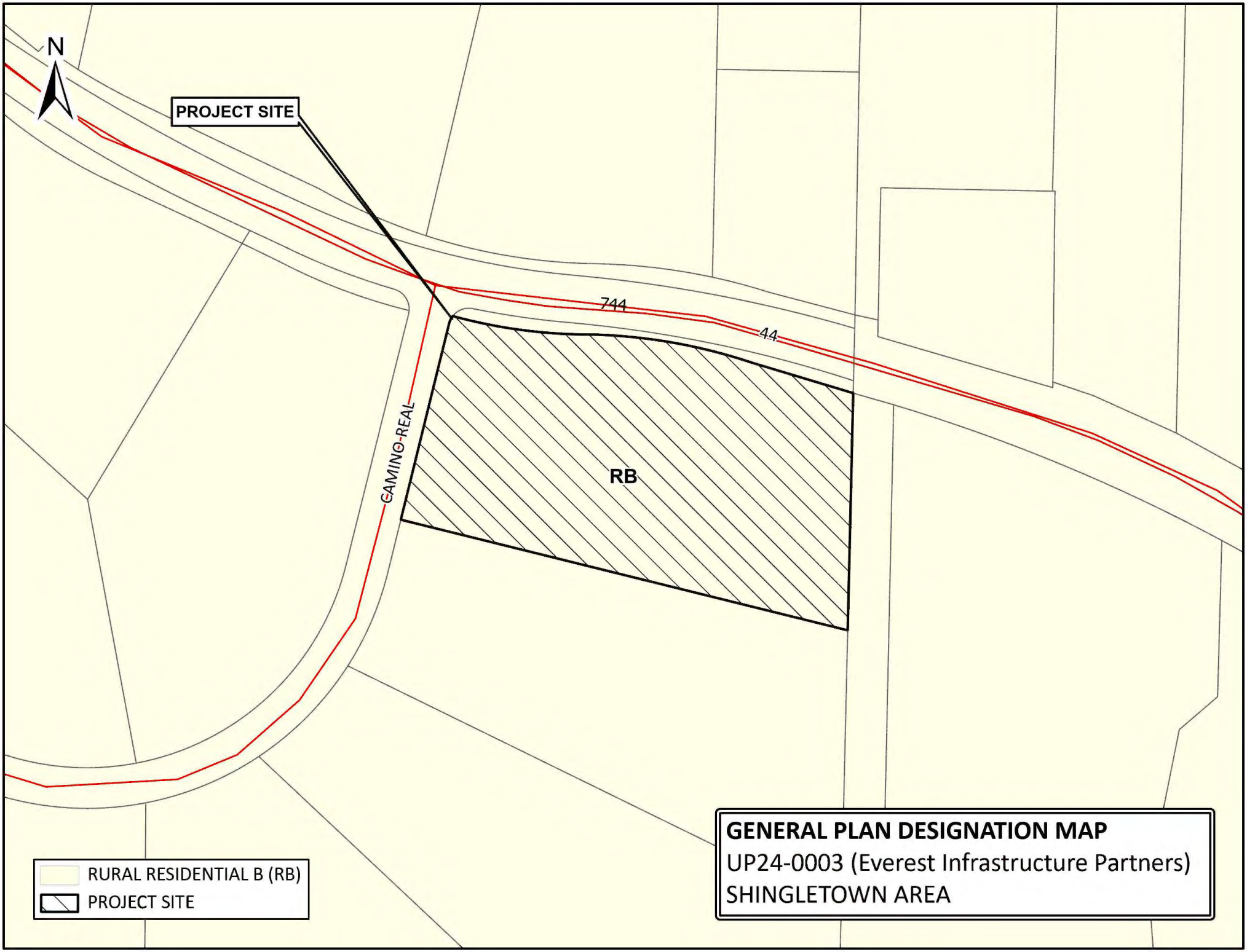
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

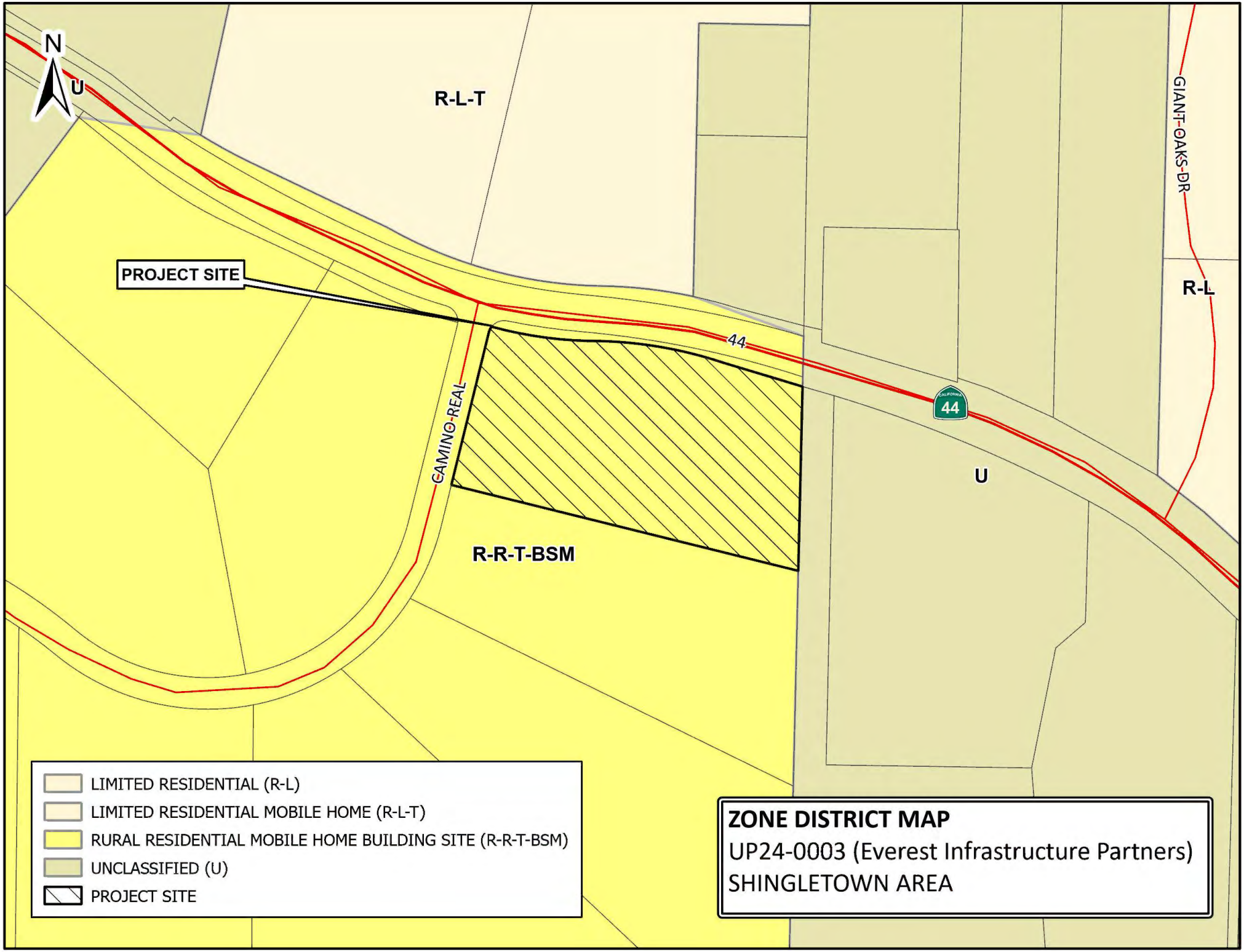
SHEET TITLE:

ELECTRICAL PLAN & DETAIL

SHEET NUMBER:

E-1.1


N
PROJECT SITE
744
44
CAMINO-REAL
RB
RURAL RESIDENTIAL B (RB)
PROJECT SITE
GENERAL PLAN DESIGNATION MAP
UP24-0003 (Everest Infrastructure Partners)
SHINGLETOWN AREA


N
U
R-L-T
PROJECT SITE
44
CAMINO-REAL
GIANT-OAKS-DR
R-L
U
R-R-T-BSM
LIMITED RESIDENTIAL (R-L)
LIMITED RESIDENTIAL MOBILE HOME (R-L-T)
RURAL RESIDENTIAL MOBILE HOME BUILDING SITE (R-R-T-BSM)
UNCLASSIFIED (U)
PROJECT SITE
ZONE DISTRICT MAP
UP24-0003 (Everest Infrastructure Partners)
SHINGLETOWN AREA