

**FINAL**

**INITIAL STUDY/MITIGATED NEGATIVE  
DECLARATION**

**EMERALD HEIGHTS COMMUNICATIONS TOWER PROJECT  
CITY OF ESCONDIDO, CALIFORNIA**

**LSA**

July 2015

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## INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

PROJECT TITLE: Emerald Heights Communications Tower Project

LEAD AGENCY NAME AND ADDRESS: City of Escondido  
201 North Broadway  
Escondido, CA 92025

CONTACT PERSON AND PHONE NUMBER: Ann Dolmage, Associate Planner  
(760) 839-4548

PROJECT LOCATION: The Project Site is located at 1901 7/8  
Woodland Parkway in the City of  
Escondido, San Diego County, California  
(refer to Figure 1, Project Location).

ZONING: S-P (Specific Plan)

PROJECT SUMMARY: The proposed project includes installation of  
a communications tower with associated  
hardware and a concrete equipment storage  
enclosure.

RESPONSIBLE AGENCY PERMIT APPROVALS: The proposed project will be required to  
obtain a Conditional Use Permit (CUP) from  
the City.

ANTICIPATED PUBLIC HEARINGS: The Final IS/MND will be required to be  
adopted by the Planning Commission.

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## ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED AND DETERMINATION

### A. Factors

The environmental factors checked below would be potentially affected by the proposed project, as discussed on the following pages.

<input checked="" type="checkbox"/> Aesthetics	<input type="checkbox"/> Agriculture and Forestry Resources	<input checked="" type="checkbox"/> Air Quality
<input checked="" type="checkbox"/> Biological Resources	<input checked="" type="checkbox"/> Cultural Resources	<input checked="" type="checkbox"/> Geology and Soils
<input checked="" type="checkbox"/> Greenhouse Gas Emissions	<input checked="" type="checkbox"/> Hazards and Hazardous Materials	<input checked="" type="checkbox"/> Hydrology and Water Quality
<input type="checkbox"/> Land Use and Planning	<input type="checkbox"/> Mineral Resources	<input checked="" type="checkbox"/> Noise
<input type="checkbox"/> Population and Housing	<input type="checkbox"/> Public Services	<input type="checkbox"/> Recreation
<input type="checkbox"/> Transportation/Traffic	<input type="checkbox"/> Utilities and Service Systems	<input checked="" type="checkbox"/> Mandatory Findings of Significance

### B. Determination (to be completed by the Lead Agency)

On the basis of this 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 evaluated 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 evaluated.
- 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 DEIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier DEIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

Date

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## 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 parentheses following each question. A “No Impact” answer is adequately supported if 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, a DEIR 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.
- 5) Earlier analyses may be used where, pursuant to the tiering, program DEIR or other CEQA process, an effect has been adequately analyzed in an earlier DEIR 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 Evaluated. 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 evaluated 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) The explanation of each issue should identify:
  - 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 significance.

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## I. INTRODUCTION

In accordance with the California Environmental Quality Act (CEQA) and the CEQA Guidelines, this Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared as documentation for the proposed Emerald Heights Communications Tower Project (proposed project). This IS/MND includes a description of the proposed project, an evaluation of the potential environmental impacts that may result from implementation of the proposed project, and the findings from the environmental evaluation. The City of Escondido (City) is the Lead Agency under CEQA for the proposed project and is responsible for approval of the environmental documentation and approval of the proposed project.

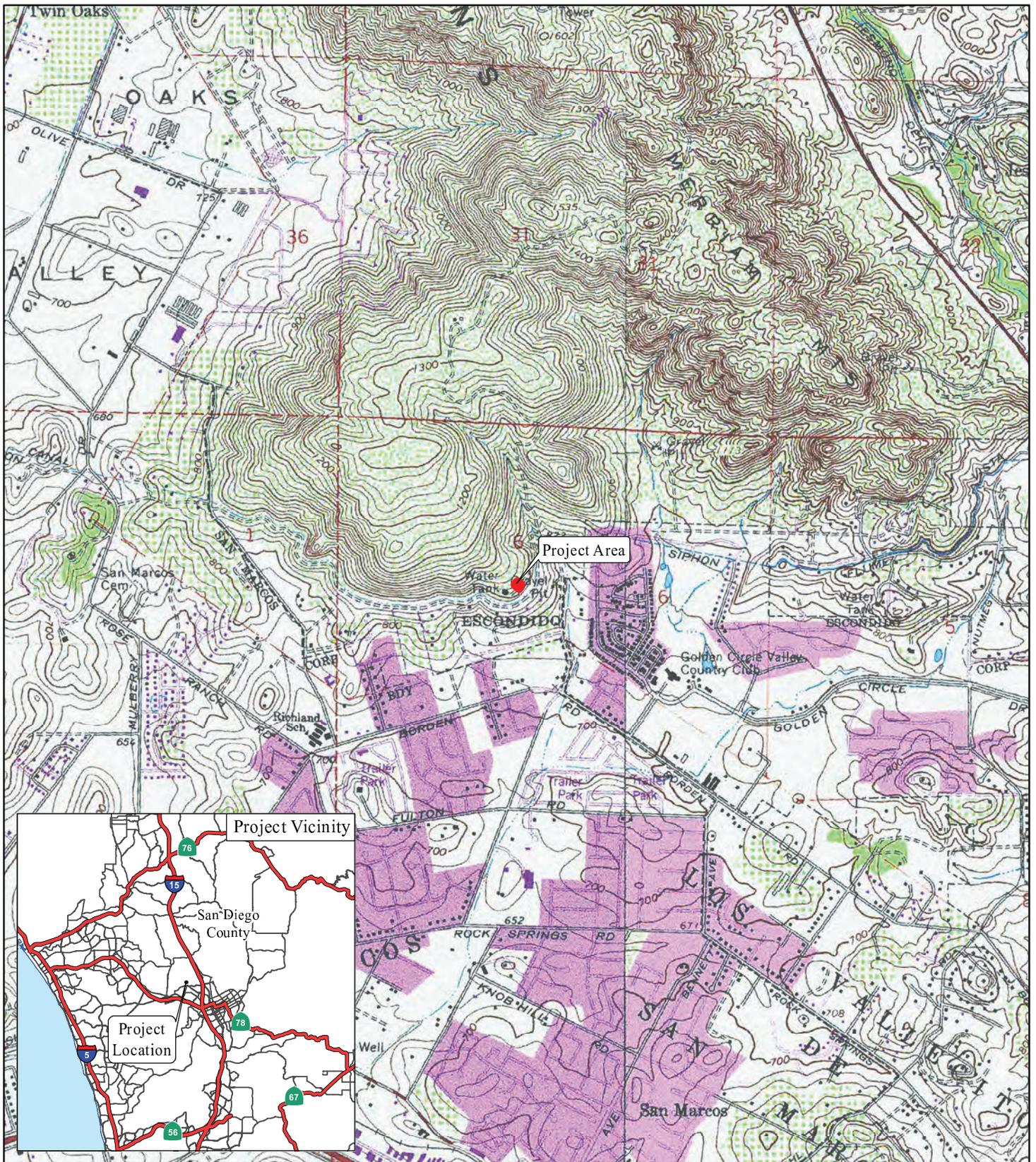
### **Project Location**

The Proposed project is located at 1901 7/8 Woodland Parkway in the City of Escondido (City), in the County of San Diego (County), California (refer to Figure 1, Project Location). The Project Site occupies a portion of a 71.77-acre parcel (Assessor's Parcel Number [APN] 187-720-23) which is currently developed with a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment. Nearby land uses are primarily single family residential uses to the north, south and east of the Project Site, and open space to the west. Access to the Project Site is provided via Woodland Parkway, an asphalt-paved access road. The Project Site is within the southeastern corner of the Palos Vista Specific Plan and is identified as Specific Plan Area 1 (SPA-1) in the Escondido General Plan. Specific development standards for the Project Site are identified in the Palos Vista Specific Plan. The Project Site is zoned Specific Plan (S-P) in the Escondido Municipal Code and is within Special District Mesa Rock Tier 2-C.

### **Project Description**

The purpose of the proposed project is to provide communication services for personal, business, and emergency purposes in the project vicinity. The proposed project consists of installing a total of 12 panel antennas (3 sectors, 4 antennas per sector), 12 remote radio units (RRUs) (3 sectors, 4 RRUs per sector), and Surge Suppressors mounted on a new 40-foot (ft) tall stealth structure/faux eucalyptus tree. The proposed project also includes installation of a spilt-face concrete block equipment storage enclosure on a concrete pad, and installation of three Verizon Wireless E/911 global positioning system antennas and one microwave dish. The proposed equipment storage enclosure would be approximately 12 ft by 34 ft and would house equipment cabinets and a 10-kilowatt enclosed emergency generator with an associated 55-gallon subbase diesel fuel tank. The faux eucalyptus tree would be located to the west of the equipment storage enclosure and would provide a minimum of 2 ft of clear space from the face of the antennas to the end of the branch foliage. Each antenna mounted on the faux eucalyptus tree would have a radio frequency transparent 'sock' that would assist in making the antennas less visible. During operation of the proposed project, maintenance workers would utilize the non-exclusive technician parking area located northeast of the Project Site (approximately 150 ft from the property line of the open space area).

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LSA

LEGEND

 Project Area



0 1000 2000  
FEET

SOURCE: LSA (2014); USGS 7.5' Quad. (San Marcos, 1983)

E:\CYG1402\GIS\projloc.mxd (6/6/2014)

FIGURE 1

*Emerald Heights Communications Tower Site Project*  
Project Location

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### **Discretionary Actions**

In accordance with Sections 15050 and 15367 of the CEQA Guidelines, the City is the designated Lead Agency for the proposed project and has principal authority and jurisdiction for CEQA actions.

The legislative and discretionary actions to be considered by the City as a part of the proposed project include a Conditional Use Permit (CUP) for installation of the telecommunications tower and concrete equipment storage enclosure.

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## II. ENVIRONMENTAL CHECKLIST

SECTION I: AESTHETICS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Impact Analysis

**I(a). Have a substantial adverse effect on a scenic vista? *No Impact.*** The proposed project is located in a primarily single-family residential area in close proximity to Interstate 15 (I-15). The Project Site is part of a larger 71.77 acre parcel that is largely open space but has been previously developed surrounding the Project Site with a one-story commercial building, two aboveground water tanks, and telecommunication infrastructure and equipment. Given topographic variations of the surrounding areas, the Project Site is minimally visible from the majority of the surrounding areas including the closest residential home, which is located approximately 260 ft to the southeast. There are no scenic vistas in the project area, and no impacts related to scenic vistas would occur. No mitigation is required.

**I(b). Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State Scenic Highway? *No Impact.*** There are no State Scenic Highways designated under the Scenic Highway Act located in the project vicinity. I-15 and State Route 78 (SR 78) located to the east and south of the Project Site are not designated State Scenic Highways.<sup>1</sup> Additionally, there are no historic buildings or rock outcroppings within or adjacent to the Project Site. The parcel surrounding the Project Site is developed with a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment. No scenic resources are on the Project Site; therefore, implementation of the proposed project would not result in the removal or damage of any scenic resources. No impacts related to scenic resources would occur, and no mitigation is required.

<sup>1</sup> California Scenic Highway Mapping System. San Diego County. Website: [http://www.dot.ca.gov/hq/LandArch/scenic\\_highways/](http://www.dot.ca.gov/hq/LandArch/scenic_highways/)

**I(c). Substantially degrade the existing visual character or quality of the site and its surroundings? *Less than Significant Impact.*** Implementation of the proposed project would include the installation of a 40 ft faux mono eucalyptus tree and an approximate 12 ft by 34 ft split-face concrete equipment storage enclosure which would house the associated radio and power equipment and an emergency generator. The faux mono eucalyptus tree would be compatible in height and design with the adjacent faux mono broadleaf telecommunication tower (operated by T-Mobile) and real trees located on and adjacent to the Project Site in order to blend into the existing visual setting. The parcel surrounding the Project Site is developed with a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment; therefore, implementation of the proposed telecommunication facility would not significantly alter the existing visual setting of the area. The Project Site is higher in elevation than the closest residence and is difficult to see from the majority of the surrounding areas given the topographic variations. Because the faux mono eucalyptus tree would be compatible with surrounding the trees and the parcel surrounding the Project Site is developed with existing structures, implementation of the proposed project would not substantially change the existing visual character or quality of the site and its surroundings. Implementation of the proposed project would result in less than significant impacts, and no mitigation is required.

**I(d). Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? *No Impact.*** The proposed project does not include a lighting component. Therefore, no new light and glare impacts would result from implementation of the proposed project, and no mitigation is required.

***Mitigation Measures Applicable to Aesthetics***

No mitigation measures are required.

<b>SECTION II: AGRICULTURE AND FORESTRY RESOURCES</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
<p>In determining whether impact 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 Department 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:</p>				
a) Convert Prime Farmland, Unique Farmland, or Farmland of 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact Analysis**

**II(a). Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use? *No Impact.***

The Project Site is not used for agricultural production and is not designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. The Project Site occupies a portion of a 71.77-acre parcel which is currently developed with a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment. The Project Site is

located within the Palos Vistas Specific Plan as part of Emerald Heights which is a planned community with a mixture of residential and open space uses. The surrounding area is characterized by open space and single-family residential uses. The proposed project would not convert Prime Farmland, Unique Farmland, Farmland of Statewide Importance, or any other type of farmland to a nonagricultural use. No impacts would occur, and no mitigation is required.

**II(b). Conflict with existing zoning for agricultural use, or a Williamson Act contract? *No Impact.*** The Project Site is not used for agricultural production, not zoned for agricultural use, and is not protected by, or eligible for, a Williamson Act contract. No impacts would occur and no mitigation is required.

**II(c). Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined in Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? *No Impact.*** The parcel surrounding the Project Site is developed with a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment. The Project Site is not used for timberland production, not zoned as forest land or timberland, and does not contain forest land or timberland. No impacts would occur, and no mitigation is required.

**II(d). Result in the loss of forest land or conversion of forest land to nonforest use? *No Impact.*** Refer to Response II(c) above.

**II(e). Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or conversion of forest land to nonforest use? *No Impact.*** The Project Site does not support any farmland, agricultural, or forest uses, and there are no significant farmland resources in the immediate project vicinity. The proposed project is surrounded by open space and single-family residential uses and would not involve other changes in the existing environment which, due to their location or nature, could result in the conversion of farmland to a nonagricultural use. No impact would occur, and no mitigation is required.

***Mitigation Measures Applicable to Agricultural Resources***

No mitigation measures are required.

SECTION III: AIR QUALITY	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or project air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Impact Analysis**

Analysis of impacts associated with air quality for the proposed project is based on the Construction Emissions Analysis prepared by LSA Associates, Inc. (LSA) in April 2015 (refer to Appendix A).

**III(a). Conflict with or obstruct implementation of the applicable air quality plan? *Less than Significant Impact.*** The proposed project is located in the San Diego Air Basin (Basin) under the jurisdiction of the San Diego County Air Pollution Control District (SDAPCD). The SDAPCD develops and administers local regulations for stationary air pollutant sources within the Basin and develops plans and programs to meet attainment requirements for federal and State Ambient Air Quality Standards (AAQS). The San Diego Association of Governments (SANDAG) and the SDAPCD are responsible for developing and implementing the clean air plan for attainment and maintenance of the AAQS in the Basin. The SDAPCD air quality management plans were developed based on growth assumptions provided by SANDAG. The SDAPCD’s plans and control measures developed to attain the State air quality standards are outlined in the San Diego County Regional Air Quality Strategy (RAQS). In order for a project to be consistent with these air quality plans, the project must comply with all proposed or adopted control measures identified in the RAQS and all applicable SDAPCD regulations. The SDAPCD air quality management plans were developed based on growth assumptions provided by SANDAG. The proposed project would not induce population growth; and therefore, would be consistent with the growth assumptions provided by SANDAG. Furthermore, operation of the proposed project would result in a very small amount of emissions during the periodic testing of the emergency generator and occasional vehicle trips for maintenance. Therefore, the proposed project would be consistent with the SDAPCD air quality management plans.

The proposed project would also be consistent with the City's General Plan; and therefore, consistent with the air quality management plan. Implementation of the proposed project would not conflict with or obstruct implementation of the applicable air quality plans, and no mitigation is required.

**III(b). Violate any air quality standard or contribute substantially to an existing or project air quality violation? *Less than Significant Impact.***

**Construction Emissions.** During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by ground disturbance and hauling activities. Emissions from construction equipment are also anticipated and would include carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), reactive organic gases (ROG), suspended particulate matter (PM) of 10 and 2.5 microns in diameter, and toxic air contaminants (TACs) such as diesel exhaust particulate matter.

PM<sub>10</sub> emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM<sub>10</sub> emissions would depend on soil moisture, the soil's silt content, wind speed, and the number of equipment pieces operating on-site. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site. Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SDAPCD has established standard measures for reducing fugitive dust emissions (PM<sub>10</sub>) through grading ordinances and permits. With the implementation of standard construction measures such as frequent watering (e.g., two times per day at a minimum), control of carryout and trackout, and control of windblown dust, fugitive dust emissions from construction activities would not result in adverse air quality impacts (refer to Table III.A below).

In addition to dust-related PM<sub>10</sub> emissions, haul trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO<sub>2</sub>, NO<sub>x</sub>, VOCs, and some soot particulate (PM<sub>2.5</sub> and PM<sub>10</sub>) in exhaust emissions. These emissions would be temporary and limited to the immediate area surrounding the construction site.

The San Diego APCD's *Guidelines For Determining Significance for Air Quality* (Guidelines) provides guidance for analyzing adverse environmental effects pursuant to CEQA.<sup>1</sup> Both the State and the federal government have established health-based AAQS for seven air pollutants. These pollutants include ozone (O<sub>3</sub>), CO, nitrogen dioxide (NO<sub>2</sub>), sulfur dioxide (SO<sub>2</sub>), PM<sub>10</sub>, PM<sub>2.5</sub>, and lead. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

The screening-level thresholds for air quality impact analysis in the SDPACD's Guidelines were established based on the State air quality standards from the California Air Resources Board (ARB) and national standards established by the U.S EPA. ROG emissions are based on the emissions thresholds in the SCAQMD *CEQA Air Quality Handbook*, since these thresholds are generally stricter. The SCAQMD emission thresholds were established based on the attainment status of the air basin in regard to air quality standards for specific criteria pollutants.

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<sup>1</sup> San Diego, County of, Land Use and Environment Group. 2007. *Guidelines For Determining Significance – Air Quality*. March, 19.

Construction emissions for the proposed project were calculated using emission factors from the California Air Resources Board’s OFFROAD2011 (for water trucks, excavators, drill rigs and all other on-site equipment). For the purposes of this analysis, it is assumed the proposed project would be constructed over a total of 56 days. Refer to Appendix A for calculation details.

Construction-related emissions for the proposed project are shown in Table III.A. As shown in Table III.A, average daily construction emissions would not exceed the SDAPCD’s numeric threshold for emissions. However, in order to reduce fugitive dust emissions to the maximum extent, it is mandatory for all construction projects in the San Diego Air Basin to comply with San Diego APCD Regulation IV Rule 55 for fugitive dust. Rule 55 fugitive dust control requirements including minimizing airborne dust beyond the property line caused by trackout and carryout as a result of active operations, spillage from transport trucks, and erosion.<sup>1</sup> Implementing these measures, as appropriate, throughout construction activities would further reduce fugitive dust emissions.

**Table III.A: Maximum Construction Emissions in Pounds Per Day**

	Pollutant Emissions (lbs/day)				
	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>
Project Construction	0.57	9.50	6.74	0.00	0.44
<b>SDAPCD Thresholds</b>	<b>137</b>	<b>250</b>	<b>550</b>	<b>250</b>	<b>100</b>
<b>Significant Emissions?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

CO = carbon monoxide  
lbs/day = pounds per day  
NO<sub>x</sub> = nitrogen oxides

SDAPCD = San Diego Air Pollution Control District  
Source: Construction Emissions Analysis, LSA 2015

ROG = reactive organic compounds  
SO<sub>2</sub> = sulfur dioxide  
PM<sub>10</sub> = particulate matter less than 10 microns in size

The SDAPCD does not provide a short-term regional construction emission threshold for PM<sub>2.5</sub>; however the PM<sub>2.5</sub> emissions would be similar or less than the PM<sub>10</sub> emissions and therefore, be considered a less-than-significant impact. Construction-generated emissions would not exceed applicable mass emissions thresholds established by SDAPCD. Therefore, construction of the proposed project would not violate any air quality standard or contribute substantially to an existing or project air quality violation and impacts would be less than significant. No mitigation is required.

**Operational Emissions.** Once constructed, the proposed project would not result in a substantial increase in traffic volumes, vehicle miles traveled, or other sources of emissions. Operation of the project would generate a very small amount of emissions during the periodic testing of an emergency generator and occasional vehicle trips for maintenance. Operational emissions are shown in Table III.B.

**Table III.B: Operational Emissions in Pounds Per Day**

	Total Regional Pollutant Emissions (lbs/day)				
	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>

<sup>1</sup> San Diego, County of, 2009. Rule 55 Fugitive Dust Control. December 24.

Project Operation	0.14	0.90	0.50	0.00	0.07
<b>SDAPCD Thresholds</b>	<b>137</b>	<b>250</b>	<b>550</b>	<b>250</b>	<b>100</b>
<b>Significant Emissions?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

CO = carbon monoxide  
 lbs/day = pounds per day  
 NO<sub>x</sub> = nitrogen oxides

ROG = reactive organic compounds  
 SO<sub>2</sub> = sulfur dioxide  
 PM<sub>10</sub> = particulate matter less than 10  
 microns in size

SDAPCD = San Diego Air Pollution Control District

Source: Construction Emissions Analysis, LSA 2015

Operation of the proposed project would not violate any air quality standard or contribute substantially to an existing or project air quality violation, and no mitigation is required.

**III(c). Result in 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)? *Less than Significant Impact.*** CEQA defines a cumulative impact as two or more individual effects, which when considered together, are considerable or which compound or increase other environmental impacts. As stated above, no exceedance of SDAPCD criteria pollutant emission thresholds would be anticipated for the proposed project. The projected emission of criteria pollutants as a result of the proposed project are expected to be below the emissions thresholds established for the region. Therefore, construction and operation of the proposed project would not result in a cumulatively considerable net increase in any criteria pollutants that are in nonattainment status in the Basin and impacts would be less than significant. No mitigation is required.

**III(d). Expose sensitive receptors to substantial pollutant concentrations? *Less than Significant Impact.*** Construction of the proposed project may expose closest residences to airborne particulates and fugitive dust as well as a small quantity of construction equipment pollutants (i.e., diesel-fueled vehicles and equipment). However, the nearest residences are approximately 0.06 mile (317 feet) from the closest point of the Project Site and are located at a lower elevation than the Project Site. The emissions of construction pollutants would be primarily dispersed in the atmosphere at that distance and are temporary and of short duration. Therefore, the proposed project would not expose sensitive receptors to substantial pollutant concentrations and impacts would be less than significant. No mitigation is required.

**III(e). Create objectionable odors affecting a substantial number of people? *Less than Significant Impact.*** During construction of the proposed project, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. Maintenance of the proposed project would require periodic testing of the emergency generator which could result in a nominal amount of odor due to diesel exhaust. Similar to construction-related odors, this odor would be temporary and of short duration. Operation of the proposed project, with the exception of periodic maintenance activities described above, would not result in any objectionable odors. Therefore, the proposed project would not create objectionable odors affecting a substantial number of people and impacts would be less than significant. No mitigation is required.

***Mitigation Measures Applicable to Air Quality***

No mitigation measures are required.

<b>SECTION IV: BIOLOGICAL RESOURCES</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
Would the project:				
a) Have a substantial adverse 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 Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Impact Analysis

Analysis of impacts of the proposed project on biological resources is based on the Biological Resources Reconnaissance Survey Results Memorandum prepared by LSA in July 2014 and updated in May 2015 (refer to Appendix B) and the Protocol Coastal California Gnatcatcher Surveys Report prepared by LSA in April 2015 (refer to Appendix C).

The analysis in the Biological Resources section is based on an initial search within 3 miles of the study area in the California Natural Diversity Data Base (CNDDB) *Rarefind* 5.0 (California Department of Fish and Wildlife [CDFW] 2013) program and the California Native Plant Society's (CNPS) *Electronic Inventory of Rare and Endangered Plants* for potentially occurring special-status species, review of United States Fish and Wildlife Service (USFWS) Critical Habitat maps, and a June 6, 2014, field visit by LSA Associates, Inc. (LSA).

**IV(a). Have a substantial adverse 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? Less than Significant with Mitigation Incorporated.** The Project Site consists of undeveloped land adjacent to a paved access road servicing nearby communication towers and two aboveground water tanks. The majority of the Project Site consists of high-quality coastal sage scrub/chaparral mix habitat dominated by black sage (*Salvia mellifera*), felt-leaf yerba santa (*Eriodictyon crassifolium*), California sagebrush (*Artemisia californica*), coyote brush (*Baccharis pilularis*), and Eastwood's manzanita (*Arctostaphylos glandulosa*) (refer to Figure 2, Vegetation Map). Two small patches of disturbed land occur within the Project Site which are dominated by short-pod mustard (*Hirschfeldia incana*) and tocalote (*Centaurea melitensis*). The Project Site is surrounded by undeveloped open space to the west, and residential developments to the north, east, and south. Based on the results of the literature review and database records search, the following special-status plant species have the potential to occur within the Project Site: San Diego thorn-mint (*Acanthomintha ilicifolia*), Pary's tetracoccus (*Tetracoccus dioicus*), summer holly (*Comarostaphylis diversifolia* ssp. *diversifolia*), and Rainbow manzanita (*Arctostaphylos rainbowensis*). Of these species only one species, San Diego thorn-mint, is federally- or State-listed. San Diego thorn-mint is listed as a federally threatened and State endangered species that has historically been documented in the project area to the north and northwest of the Project site. Although it is an annual herb species it occurs in vernal pools. No vernal pools are present within the Project site; therefore, focused plant surveys for this species were not conducted. Regardless, the blooming period for San Diego thorn-mint is April through June; therefore, if this species were present on the Project site it would have been identified during the field survey conducted June 6, 2014. None of the CNPS-listed species with the potential to occur within the Project site were identified during the field survey. Because the CNPS-listed species are shrubs they would have been identifiable irrespective of their blooming period if they were present on the Project site.

The following two special-status wildlife species have the potential to occur within the Project site: orange-throated whiptail (*Aspidoscelis hyperythra*) and coastal California gnatcatcher (*Poliophtila californica californica*). The Project Site is located less than a mile southwest of critical habitat for coastal California gnatcatcher. The coastal sage scrub/chaparral mix occurring within the Project Site is suitable habitat to support coastal California gnatcatcher (considered a California Species of Special Concern by the CDFW) and orange throated whiptail (considered a California Species of Special Concern by the CDFW). No special-status wildlife species or nesting birds were observed on the Project Site. Due to the presence of orange-throated whiptail near the Project Site, implementation of Mitigation Measure BIO-1 requiring the presence of a biological monitor during construction would be necessary to reduce potential impacts to this species. Furthermore, because the Project Site has suitable habitat to support coastal California gnatcatcher, orange-throated whiptail, and nesting birds, if construction is scheduled to occur during the nesting bird season (January 1 through

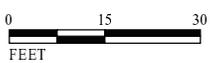


FIGURE 2

LSA

LEGEND

- Project Area
- Coastal sage scrub/chaparral: 0.077 acres
- Disturbed: 0.004 acres



SOURCE: LSA (2014)

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September 1), implementation of Mitigation Measure BIO-2 requiring a preconstruction nesting bird survey would be necessary to reduce potential impacts to these species.

The Project Site is located within a Focused Planning Area (FPA) as identified in the Draft Escondido Subarea Plan. Because the Project Site is located within an FPA and suitable habitat for coastal California gnatcatcher is present within the Project Site, three protocol-level coastal California gnatcatcher surveys were conducted for the proposed project in March 2015 (refer to Appendix C). No coastal California gnatcatcher were detected on the Project Site or within a 500-ft buffer around the Project Site. Based on the results of the protocol-level surveys, coastal California gnatcatcher has been determined to not be present on the Project Site. No additional protocol-level surveys are necessary for this species prior to construction.

Implementation of Mitigation Measures BIO-1 and BIO-2 would reduce potential impacts to special-status species to less than significant levels.

**IV(b). Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local and regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? *Less than Significant with Mitigation Incorporated.*** Based on the June 3, 2014 reconnaissance-level field survey, no riparian habitats are located within the Project Site. As mentioned above under Response IV(a), the Project Site is located within an FPA as identified in the Draft Escondido Subarea Plan. Coastal sage scrub habitat is regulated by the CDFW, USFWS, and Army Corps of Engineers (ACOE) within the FPA because of its high biological value (habitat) for coastal California gnatcatcher. Implementation of the proposed project would impact up to 0.077 acre (3,354 square feet) of coastal sage scrub habitat. Impacts to coastal sage scrub/chaparral habitat would require mitigation through the purchase of credits from the Daley Ranch Conservation Bank or a similarly suitable conservation bank pursuant to the Draft Escondido Subarea Plan. Implementation of Mitigation Measure BIO-3, requiring the purchase of mitigation credits for coastal sage scrub habitat would reduce potential impacts to this habitat to a less than significant level. The Project Site does not contain any other sensitive natural communities identified in local or regional plans, policies, or regulations by the CDFW or USFWS. Therefore, implementation of the proposed project would not result in a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local and regional plans, policies, or regulations or by the CDFW or USFWS.

**IV(c). Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? *No Impact.*** Based on the June 3, 2014, reconnaissance-level field survey, no potential jurisdictional hydrologic features or federally protected wetlands, as defined by Section 404 of the Clean Water Act (CWA), occur on the Project Site. Therefore, no significant impacts related to federally protected wetlands would result from implementation of the proposed project, and no mitigation is required.

**IV(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? *Less than Significant with Mitigation Incorporated.*** The Project Site is located in the Northwestern Habitat Area as identified in the Draft Escondido Subarea Plan. Coastal sage scrub/chaparral habitats in the Northwestern Habitat Area are constrained by urban

development to the south and agricultural lands to the north and west. Therefore, the opportunity for this habitat area to function as a regional wildlife movement corridor is also constrained and limited. The Project Site is located adjacent to existing telecommunication infrastructure and equipment and two aboveground water tanks. Construction activities associated with the proposed project have the potential to result in temporary disturbance to wildlife movement that may be occurring. However, construction of the proposed project would be limited in nature (approximately eight weeks of construction) and potential impacts to wildlife movement would cease upon completion of the project. Migratory nesting bird species covered by the Migratory Bird Treaty Act (MBTA) may be present within the Project Site during construction. Implementation of Mitigation Measure BIO-2 requiring a preconstruction nesting bird survey would be necessary to reduce potential impacts to nesting birds during construction to less than significant levels.

Given the developed nature of the land directly adjacent to the Project Site, the limited size of the telecommunications infrastructure and equipment, and the nominal maintenance needs for the equipment (i.e., nominal disturbance to the Project Site during operation of the project), operation of the proposed project would not result in permanent impacts to wildlife movement.

**IV(e). Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? *No Impact.*** The proposed project would not require the removal of any trees. Furthermore, the proposed project would not conflict with any local policies or ordinance protecting biological resources, and no mitigation is required.

**IV(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? *Less than Significant with Mitigation Incorporated.*** The Project Site is located within the City's Multiple Habitat Conservation Program (MHCP) and component Escondido Subarea Plan. The Project Site is located within a Hardlined FPA as identified in the Draft Escondido Subarea Plan. Hardlined areas include properties that have approved land use entitlements or development agreements showing designated development and biological open space areas. For these properties that have approved land use entitlements or development agreements, the area that has been either developed or is approved for development is outside of the permanent Escondido Preserve; the open space area within the Hardlined FPA is in the Preserve. Implementation of the proposed project would not conflict with any of the provisions of the Hardlined FPA. However, as stated above in Response IV(b), implementation of the proposed project would impact up to 0.077 acre (3,354 square feet) of coastal sage scrub habitat, which is conserved within the Hardlined FPA. Project-related impacts to coastal sage scrub/chaparral habitat would require mitigation through the purchase of mitigation credits for coastal sage scrub/chaparral habitat. Implementation of Mitigation Measure BIO-3 requiring the purchase of mitigation credits for coastal sage scrub habitat would reduce potential impacts to this habitat to a less than significant level.

#### ***Mitigation Measures Applicable to Biological Resources***

##### **Mitigation Measure BIO-1:**

**Biological Monitor.** A qualified biological monitor familiar with orange-throated whiptail shall be present during all vegetation-clearing activities on the Project Site. If orange-throated whiptail is observed on the Project Site during

construction activities, they shall be removed from the Project Site by the qualified biologist. The qualified biologist shall prepare and submit a California Natural Diversity Data Base form documenting the occurrence to the California Department of Fish and Wildlife. Following completion of construction activities, the biological monitor shall prepare and submit to the Applicant a Biological Construction Report. Any occurrence(s) of orange-throated whiptail shall be documented in Biological Construction Report.

**Mitigation Measure BIO-2:**

**Preconstruction Nesting Bird Surveys.** If project construction cannot be avoided during the nesting season (January 1 through September 1), a preconstruction nesting bird survey shall be conducted by a qualified biologist hired by the applicant prior to the initiation of work to identify any active nests that may be impacted by construction activities. Surveys shall be conducted at the appropriate time of day, no more than three days prior to vegetation removal and/or disturbance. Documentation of surveys and findings shall be submitted to the City for review and concurrence prior to conducting project activities. If no nesting birds are observed and concurrence was received, project activities may begin. If an active bird nest is observed, the nest site shall be fenced a minimum of 200 feet (500 feet for special-status species and raptors) in all directions, and this area shall not be disturbed until after September 1 or until the nest is inactive. If threatened or endangered species are observed within 500 feet of the work area, no work shall occur during the nesting season (January 1 through September 1) to avoid direct or indirect (noise) take of listed species.

**Mitigation Measure BIO-3:**

**Coastal Sage Scrub/Chaparral Habitat Mitigation.** Project-related impacts to coastal sage scrub/chaparral habitat shall be mitigated through the purchase of mitigation credits for coastal sage scrub/chaparral habitat from the Daley Ranch Conservation Bank or similarly suitable conservation bank pursuant to the mitigation requirements identified in the Draft Escondido Subarea Plan Table 5-2. The Applicant shall be responsible for purchasing and securing mitigation credits for coastal sage scrub/chaparral habitat. The Applicant shall provide the City with documentation of the mitigation credit purchase prior to issuance of a grading or building permit.

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SECTION V: CULTURAL RESOURCES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Cause a substantial adverse change in the significance of a historical resources as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resources pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site of unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Impact Analysis**

Analysis of impacts of the proposed project on cultural resources is based on the Cultural Resources Assessment Class III Inventory prepared by LSA in September 2014 (refer to Appendix D). As part of the Cultural Resources Assessment, an archaeological field survey was conducted by LSA on August 6, 2014.

**V(a). Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5? *Less than Significant Impact.*** In accordance with 36 Code of Federal Regulations (CFR) Part 800, the effects of the proposed project on any historic properties were assessed (refer to Appendix D). An Area of Potential Effects (APE) was established for the proposed project that included the area where ground disturbing activities would occur and the faux eucalyptus tree and concrete equipment storage enclosure would be located. No historic properties were identified in the direct APE for the proposed project. One historic property (the Vista Irrigation Bench Flumes) was identified in the indirect APE approximately 150 ft south of the Project Site. This historic property has been evaluated as eligible for the National Register although there does not appear to be State Historic Preservation Officer concurrence with the evaluation. There would be no effect to this historic property from implementation of the proposed project. The larger parcel surrounding the Project Site is currently developed with aboveground water tanks and existing telecommunication infrastructure and equipment; therefore, implementation of the proposed telecommunication facility would not significantly alter the existing visual setting of the area. The proposed facility is designed as a stealth structure (faux mono eucalyptus tree) that would blend into the existing visual setting and there would be no visual impacts to any historic properties. Additionally, implementation of the proposed project would not result in physical impacts to any of the existing structures located on the surrounding parcel. Therefore, the proposed project would not cause a substantial adverse change in the significance of a historical resource and no mitigation is required.

**V(b). Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? *Less than Significant with Mitigation Incorporated.*** No archaeological

resources were observed within the Project Site during the archaeological field survey. The surface geology of the direct APE is described as tonalite bedrock and as such, any archaeological remains should be located on or near the ground surface, and buried archaeological resources would not be expected. The archaeological field survey documented that the direct APE had been graded into bedrock. Based on the negative results of the archaeological field survey and the geology of the area, the direct APE is not considered sensitive for historic or prehistoric archaeological resources. However, in the unlikely event that a previously undiscovered archaeological resource is encountered during construction activities implementation of Mitigation Measure CULT-1 would reduce potential impacts to unknown resources to less than significant levels. No further archaeological studies or monitoring are required.

**V(c). Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? *Less than Significant with Mitigation Incorporated.*** No paleontological resources were observed within the Project Site during the archaeological field survey. Paleontological resources are not anticipated to be encountered during construction of the proposed project due to the geology that underlies the Project Site, as well as the fact that the proposed facilities would be entirely aboveground. However, site preparation and excavation up to 6 feet below ground surface could encounter unrecorded paleontological resources. Should such resources, if present and intact, be encountered and disturbed by project construction, then a significant impact under CEQA would occur. Mitigation Measure CULT-2 would be implemented to reduce this potential impact to a less than significant level by incorporating impact avoidance through on-site evaluation by a qualified paleontologist. In the event that avoidance is not possible, the mitigation would treat the potential loss of a sensitive resource by recovering, through documentation and excavation, the scientifically consequential data represented by the fossil discovery that would otherwise be lost due to construction-related disturbance. In this way, the damage to the resource would be offset by the realization of its data potential and impacts would be less than significant.

**V(d). Disturb any human resources, including those interred outside of formal cemeteries? *Less than Significant with Mitigation Incorporated.*** The proposed project would not cause a substantial adverse change in the significance of any known human remains. No human remains were observed within the Project Site during the archaeological field survey and none are anticipated to be found during construction activities. However, in the unlikely event that human remains are encountered during construction activities, adherence to State law, California Health and Safety Code (HSC) Section 7050.5 is required. Although unlikely to occur, potential impacts associated with human remains would be reduced to a less than significant level through adherence to existing State law (California HSC (Section 7050.5)) by implementation of Mitigation Measure CULT-3. Section 7050.5 of the California HSC states that no further disturbance shall occur until the County Medical Examiner has made a determination of origin and disposition pursuant to State Public Resources Code (PRC) Section 5097.98. The Medical Examiner must be notified of the find within 24 hours. If the remains are determined to be prehistoric, the Medical Examiner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery and shall complete the inspection within 48 hours of being granted access to the site. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.

### *Mitigation Measures Applicable to Cultural Resources*

#### **Mitigation Measure CULT-1:**

**Discovery of Archaeological Resources.** Should archaeological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet will be redirected by the project contractor until a City-qualified archaeologist is retained by the Applicant to evaluate the find, including mapping and collecting any diagnostic (time-sensitive) artifacts, to the satisfaction of the Community Development Department. The City shall further require that its agents conform to the requirements of the California Environmental Quality Act (CEQA) Guidelines, Section 15064.5 (e) and that they contact the Native American Heritage Commission (NAHC) in order to inform it of the discovery and to arrange for potential identification and preservation of the cultural resources pursuant to California Public Resources Code (PRC) Section 5097.98.

#### **Mitigation Measure CULT-2:**

**Discovery of Paleontological Resources.** Should paleontological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet (ft) shall be redirected by the project contractor and the Applicant shall retain a City-qualified paleontologist to assess the situation and make recommendations for the treatment of the discovery. If the find is determined to be significant, and project activities cannot avoid impacting the resource, the impact to the resource shall be mitigated in accordance with the recommendations of the consulting paleontologist. Mitigation may include monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository. Public educational outreach may also be appropriate. Upon completion of the assessment, a report documenting methods, findings, and recommendations of the investigation shall be prepared and submitted to the Applicant, and, if paleontological materials are recovered, a copy of the report shall be submitted to a paleontological repository, such as the University of California Museum of Paleontology.

#### **Mitigation Measure CULT-3:**

**Discovery of Human Remains.** If human remains are encountered during project construction, work within 25 feet (ft) of the discovery shall be redirected by the project contractor and the Applicant shall notify the County Medical Examiner immediately to assess the situation. Project personnel shall not collect or move any human remains and

associated materials. If the human remains are determined to be prehistoric, the Medical Examiner shall notify the Native American Heritage Commission (NAHC) within 24 hours of this identification. The NAHC shall determine and notify a Most Likely Descendant (MLD). With permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery and shall complete the inspection within 48 hours of being granted access to the site. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.

SECTION VI: GEOLOGY AND SOILS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Expose people or structures to 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 Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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 wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact Analysis**

**VI(a)(i). Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving 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? *No Impact.*** According to the Draft County of San Diego Earthquake Hazard Mitigation Planning Map, no regional faults run through the Project Site. The nearest fault zone is the Elsinore Fault Zone which is located more than 15 miles to the east of the Project Site. In addition, according to the California Department of Conservation

Aliquist-Priolo Interactive Map, the proposed project is not located within an Aliquist-Priolo Fault Zone. Therefore, the proposed project would not expose people or structures to significant impacts associated with earthquakes, and no mitigation is required.

**VI(a)(ii). Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking? *Less than Significant Impact.***

There are several major active faults in San Diego County that are capable of producing earthquakes with strong seismic ground shaking. As discussed in VI(a)(i) above, the closest fault zone to the proposed project is the Elsinore Fault Zone which is located over 15 miles to the east of the Project Site. According to the Draft Earthquake County of San Diego Hazard Mitigation Planning Map, there are a few small earthquake faults located closer to the Project Site; however, the probabilistic peak ground acceleration at the Project Site is 0 to 0.2  $g^1$ , which is considered to be relatively low compared to other areas in the County. Additionally, the proposed project would be required to comply with any applicable regulations during construction to ensure that the potential for seismic ground shaking has been addressed in the project design. Therefore, the proposed project would result in a less than significant impact associated with seismic ground shaking, and no mitigation is required.

**VI(a)(iii). Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction? *Less than Significant Impact.***

According to the Draft Liquefaction County of San Diego Hazard Mitigation Planning Map, the Project Site is located within a low liquefaction risk area. Additionally, construction of the proposed project would be required to comply with any applicable regulations to ensure that the potential for liquefaction has been addressed in the project design. Therefore, the proposed project would result in a less than significant impact associated with liquefaction, and no mitigation is required.

**VI(a)(iv). Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslide? *No Impact.*** The Project Site which is less than one acre, is relatively flat. According to the Draft Rain-Induced Landslide County of San Diego Hazard Mitigation Planning Map, the Project Site is not located in an area identified as having a high susceptibility to landslides from rain events. No impact would occur, and no mitigation is required.

**VI(b). Result in substantial soil erosion or the loss of topsoil? *Less than Significant Impact.*** Soils within the Project Site consist of Las Posas stony fine sandy loam, 30 to 65 percent slope which has a low potential for soil erosion.<sup>2</sup> The proposed project would require minor grading and excavation during construction. As identified in Standard Condition HYD-1, an Erosion Control Plan (ECP) would be prepared identifying erosion control measures to be implemented during construction activities to reduce potential erosion (refer to Section IX(a), Hydrology and Water Quality, of this IS/MND). Erosion control Best Management Practices (BMPs) (bonded fiber matrix with hydroseed, blankets, etc.) would be implemented to cover areas vulnerable to erosion during construction. Therefore, with the implementation of Standard Condition HYD-1, construction impacts associated

<sup>1</sup> The symbol  $g$  is often used informally as a unit of acceleration.

<sup>2</sup> United States Department of Agriculture. Natural Resource Conservation Service. Web Soil Survey. Website: <http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

with soil erosion or loss of top soil would be reduced to less than significant levels, and no mitigation is required.

The proposed telecommunication facility would result in a nominal increase in impervious surface area through the construction of the split-face concrete block equipment storage enclosure (12 ft by 34 ft) and faux mono eucalyptus tree. This nominal increase in impervious surface area (approximately 408 square feet) would not result in a substantial increase in runoff, resulting in an increase in erosion. Therefore, there would be no long-term impacts associated with soil erosion and loss of top soil, and no mitigation is required.

**VI(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? *Less than Significant Impact.*** Soils within the Project Site consist of Las Posas stony fine sandy loam, 30 to 65 percent slope.<sup>1</sup> As discussed above in VI(a)(ii), the Project Site would experience relatively low amounts of ground shaking from a potential earthquake event. In addition, no active faults pass through the Project Site; therefore, the potential for fault rupture is relatively low and it is unlikely that the soil would become unstable and result in landslides, lateral spreading, subsidence, liquefaction, or collapse. Therefore, the proposed project impacts associated with unstable soils would be less than significant, and no mitigation is required.

**VI(d). Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code, creating substantial risks to life or property? *Less than Significant Impact.*** Soils within the Project Site consist of Las Posas stony fine sandy loam, 30 to 65 percent slope.<sup>2</sup> These soils are primarily well drained but have a high shrink-swell potential (i.e., expansive). Expansive soils can pose a threat to the integrity of structures build on them without proper engineering. Therefore, the proposed project would be required to comply with structural and engineering standards as specified in the California Building Code. These standards require that all development adhere to strict guidelines for construction on soils that are within a high shrink/swell category as defined by the United States Department of Agriculture, San Diego Soil Survey. Compliance with all applicable structural and engineering standards identified in the California Building Code and the County's General Plan would reduce potential project-related impacts associated with expansive soils to less than significant levels, and no mitigation is required.

**VI(e). Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? *No Impact.*** The proposed project consists of a telecommunication facility. No septic or alternative waste treatment systems would be required for the proposed project. No impact would occur, and no mitigation is required.

#### ***Mitigation Measures Applicable to Geology and Soils***

No mitigation measures are required.

<sup>1</sup> United States Department of Agriculture. Natural Resource Conservation Service. Web Soil Survey. Website: <http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

<sup>2</sup> United States Department of Agriculture. Natural Resource Conservation Service. Web Soil Survey. Website: <http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

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SECTION VII: GREENHOUSE GAS EMISSIONS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Impact Analysis**

Analysis of impacts associated with greenhouse gas emissions for the proposed project is based on the Construction Emissions Analysis prepared by LSA in April 2015 (refer to Appendix A).

**VII(a). Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? *Less than Significant Impact.*** No federal, State, regional, or local air quality regulatory agency has adopted a quantitative threshold of significance for construction-related Greenhouse Gas (GHG) emissions. In November 2013 the County of San Diego provided Guidelines for Determining Significance for Climate Change. As determined by the County’s Climate Action Plan, construction and operational GHG emissions not exceeding 2,500 MT CO<sub>2</sub>e per year would be less than significant.

Total construction-related GHG emissions were calculated using emission factors from the California Air Resources Board’s OFFROAD2011 (for water trucks, excavators, drill rigs and all other on-site equipment). For the purposes of this analysis, it is assumed the project would be constructed over a total of 56 days. Refer to Appendix A for calculation details. The proposed project’s total construction GHG emissions would be 50 metric tons of CO<sub>2</sub>e, which would be well below the San Diego APCD 2,500 metric tons CO<sub>2</sub>e annual screening threshold.

As stated in Section III, Air Quality, Response III(b), operation of the proposed project would generate a very small amount of emissions during the periodic testing of the emergency generator and occasional vehicle trips to the Project Site for maintenance (refer to Table III.B). Therefore, the proposed project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. Project-related GHG emission impacts would be less than significant, and no mitigation is required.

**VII(b). Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? *Less than Significant Impact.*** As stated in Response VII(a) above, according to the County’s Climate Action Plan, construction and operational GHG emissions are less than 2,500 MT CO<sub>2</sub>e per year would be considered to have a less than significant impact associated with GHG emissions. The proposed project’s total construction and operational

GHG emissions would be well below 2,500 MT CO<sub>2</sub>e annual screening threshold. Therefore, the proposed project would be consistent with the County's Climate Action Plan. Furthermore, the proposed project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. Project-related GHG emissions impacts would be less than significant and no mitigation is required.

***Mitigation Measures Applicable to Greenhouse Gas Emissions***

No mitigation measures are required.

<b>SECTION VIII: HAZARDS AND HAZARDOUS MATERIALS</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 67962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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 for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## **Impact Analysis**

An Environmental Data Resources Inc. Radius Map Report was prepared for the proposed project by Environmental Data Resources Inc. in April 2015 (refer to Appendix E).

**VIII(a). Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? *Less than Significant Impact.*** Minor amounts of fuels, motor oils, and other hazardous materials typical of construction activities would be used during construction of the proposed project. The small quantities of hazardous materials that would be transported, used, or disposed of are well below reportable quantities. Although fuels and motor oils have hazardous properties (fuels, for example, are flammable), they would be handled in small quantities that would not create a substantial hazard for construction workers and/or the public. Compliance with federal, State, and local hazardous materials laws and regulations would minimize the risk to the public presented by these potential hazards during construction of the proposed project. Operation of the telecommunication facility would not involve routine transport, use, or disposal of hazardous materials or involve potential releases of hazardous materials into the environment. Therefore, construction and operation of the proposed project would result in less than significant impacts associated with hazardous materials, and no mitigation is required.

**VIII(b). Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident condition(s) involving the release of hazardous materials into the environment? *Less Than Significant Impact.*** See VIII(a) above.

**VIII(c). Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter-mile of an existing or proposed school? *No Impact.*** There are no schools within 0.25 mile of the Project Site. The nearest school to the proposed project is Richland Elementary School, located approximately 0.7 mile southwest of the Project Site. As discussed in VIII(a) and (b) above, minor amount of hazardous materials would be handled in small quantities during construction. Operation of the proposed telecommunication facility would not involve handling of hazardous materials or emit hazardous emissions. Therefore, implementation of the proposed project would not result in impacts associated with the handling of hazardous materials or the production or release of hazardous emissions within 0.25 mile of an existing or proposed school, and no mitigation is required.

**VIII(d). Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would create a significant hazard to the public or the environment? *No Impact.*** An Environmental Data Resources Inc. Radius Map Report was prepared for the proposed project. A search of the available environmental records was conducted and concluded that there are no documented hazardous material sites on the Project Site. The proposed project is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. According to the records search, there is one documented ENVIROSTOR site (a site that has known contamination or which there may be a reason to investigate further) located within approximately 1 mile of the Project Site, three document LUST sites (leaking underground storage tank incidents) located within approximately 0.5 mile of the Project Site, one documented SAN DIEGO Co. SAM site (underground tank release actively under review by the Site Assessment and Mitigation Program) located within approximately 0.5 mile of the Project Site, and two documented HIST CORTESE sites (designated by the State Water Resources Control Board, Integrated Waste Board, and Department of Toxic Substances Control) located within

approximately 0.5 mile of the Project Site. Implementation of the proposed project would not result in physical impacts to any documented hazardous materials site. The proposed project would not create a significant hazard to the public or the environment associated with hazardous materials sites, and no mitigation is required.

**VIII(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 for people residing or working in the project area? *No Impact.*** The proposed project is not located within an airport land use plan or located within 2 miles of a public or private airstrip. The nearest airport is the McClellan-Palomar Airport located approximately 9 miles west of the Project Site. Therefore, the proposed project would not result in a safety hazard related to its proximity to an airport or airstrip, and no mitigation is required.

**VIII(f). For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area? *No Impact.*** There are no private airstrips located within 2 miles of the Project Site; therefore, no project-related safety hazards would result for people residing or working in the project area. No impacts would occur, and no mitigation is required.

**VIII(g). Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? *No Impact.*** The proposed project would not interfere with any adopted emergency or evacuation plans. The proposed project would not increase the residential population in the project vicinity or create any barriers to vehicular movement to the Project Site. Therefore, the proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. No impacts would occur, and no mitigation is required.

**VIII(h). Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands? *No Impact.*** According to the Draft Structure Fire/Wildfire County of San Diego Hazard Mitigation Planning Map, the Project Site is located in an area with a moderate wildfire hazard threat. The parcel surrounding the Project Site is developed with a one-story commercial building, two aboveground water tanks, and telecommunication infrastructure and equipment. The proposed project would install a telecommunication facility that would not be occupied by people other than temporarily for periodic maintenance and would not increase growth in the community. Therefore, the proposed project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires compared to existing conditions. No impact would occur, and no mitigation is required.

***Mitigation Measures Applicable to Hazards and Hazardous Materials***  
No mitigation measures are required.

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<b>SECTION IX: HYDROLOGY AND WATER QUALITY</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
Would the project:				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Impact Analysis

**IX(a). Violate any water quality standards or waste discharge requirements? *Less than Significant Impact.*** There is the potential for water quality impacts to occur to the existing storm drain system associated with the adjacent residences during construction, such as equipment spills and leaks, discharge of construction debris and waste, and sediment from erosion during ground-disturbing activities. Construction of the proposed project would involve minor grading and excavation and would take approximately eight weeks to complete. It is anticipated that construction activities would occur during the dry season (i.e., during the months of September through October). In addition, all construction-related impacts would cease upon completion of the proposed project.

The Construction General Permit (CGP) covers all discharges to surface waters during construction activities except operations that would result in the disturbance of less than 1 acre of total land area. Since the proposed project would result in the disturbance of less than 1 acre of total land area (0.081 ac), the requirements of the CGP (i.e., preparation of a Storm Water Pollution Prevention Plan [SWPPP] and implementation of construction and post-construction BMPs) would not be applicable to the proposed project. However, all construction sites in the City are required to prepare an ECP that incorporates BMPs to prevent the discharge of pollutants to receiving waters (Standard Condition HYD-1). Furthermore, the proposed project would be required to comply with Chapter 22, Wastewaters, Stormwaters, and Related Matters, in the Escondido Municipal Code to ensure the health, safety, and general welfare of citizens of the City by controlling nonstormwater discharges to the stormwater system, eliminating pollutants of concern to the stormwater system, and preventing stormwater discharges to the maximum extent practicable.<sup>1</sup> Therefore, with the implementation of Standard Condition HYD-1 and compliance with the City's Municipal Code, potential construction-related impacts to water quality would be reduced to less than significant levels.

Implementation of the proposed project would involve the operation of a telecommunication facility. Operation of the proposed project would not generate any new pollutants of concern. Therefore, implementation of the proposed project would not result in any long-term impacts to water quality, and no mitigation is required.

**IX(b). Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? *No Impact.*** The proposed project consists of a telecommunication facility and does not include any new landscaping or other activity that would result in a new demand for groundwater. Implementation of the proposed project would not involve the use of groundwater or affect groundwater quality; therefore, the proposed project would not result in any impacts to groundwater supplies, and no mitigation is required.

**IX(c). Substantially alter the existing drainage pattern of the site or area in a manner, including through the alteration of the course of a stream or river, which would result in substantial erosion or siltation on-site or off-site? *Less than Significant Impact.*** The proposed project would require minimal grading and excavation in order to construct the proposed telecommunication

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<sup>1</sup> City of Escondido. 2015. Escondido Municipal Code. Website: <http://www.qcode.us/codes/escondido/>

facility. During grading and excavation activities, soils would be exposed and disturbed, drainage patterns could be temporarily altered, and there would be an increased potential for soil erosion and siltation compared to existing conditions. In a storm event, soil erosion and siltation could occur at an accelerated rate during construction; however, because construction activities are anticipated to occur during the dry season (i.e., the months of September and October), there would be a low potential for a storm event to occur that would result in accelerated erosion or siltation. Construction activities would be minor and would take approximately eight weeks to complete. In addition, all construction-related impacts would cease upon completion of the proposed project. As discussed in IX(a) above, an ECP would be prepared that incorporates BMPs to reduce potential soil erosion and siltation impacts to water quality during construction (Standard Condition HYD-1). Additionally, the proposed project would comply with the City's Municipal Code to control discharges to the stormwater system and eliminate pollutants of concern to the maximum extent practicable. Therefore, with the implementation of Standard Condition HYD-1 and compliance with the City's Municipal Code, construction activities would not substantially alter the existing drainage pattern of the Project Site in a manner that would result in substantial erosion or siltation on- or off-site.

The proposed project would not alter the course of a stream or river. The proposed project would result in a nominal increase in impervious surface area through the installation of a split-face concrete block equipment enclosure and a faux mono eucalyptus tree. Runoff from the Project Site would continue to discharge to the existing storm drain system adjacent to the Project Site. Therefore, the proposed project would not substantially alter the existing drainage pattern of the Project Site in a manner that would result in substantial erosion or siltation on- or off-site, and no mitigation is required.

**IX(d). Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? *Less than Significant Impact.*** Construction activities could temporarily alter on-site drainage patterns; however, during construction, the rate of runoff would not substantially increase compared to existing conditions in a manner that would result in flooding on- or off-site.

As discussed above, the proposed project would result in a nominal increase in impervious surface area on the Project Site and runoff would continue to discharge to the existing storm drain system adjacent to the Project Site. Because the volume of runoff from the Project Site would not substantially increase and the existing storm drain system would not be impacted, the proposed project would not result in potential on- or off-site flooding impacts. Implementation of the proposed project would result in less than significant impacts to existing drainage patterns, and no mitigation is required.

**IX(e). Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff? *Less than Significant Impact.*** There is the potential for water quality impacts to occur to the existing adjacent storm drain system during construction, such as equipment spills and leaks, discharge of construction debris and waste, and sediment from erosion during ground-disturbing activities. Construction of the proposed project would involve minor grading and excavation and would take approximately eight weeks to complete. It is anticipated that construction activities would occur during the dry season (i.e., the months of September and October). In addition, all construction-

related impacts would cease upon completion of the proposed project. As discussed in IX (a) above, an ECP would be prepared for the proposed project to prevent the discharge of pollutants to the storm drain system (Standard Condition HYD-1). Additionally, the proposed project would comply with the City's Municipal Code to control discharges to the stormwater system and eliminate pollutants of concern to the maximum extent practicable.

As discussed in IX(c) and IX (d) above, the proposed project would result in a nominal increase in impervious surface area compared to existing conditions. Runoff from the Project Site would continue to discharge to the existing storm drain system. Therefore, the proposed project would not create or contribute runoff water which would exceed the capacity of an existing or planned storm water drainage system or provide substantial additional sources of polluted runoff, and no mitigation is required.

**IX(f). Otherwise substantially degrade water quality? *Less than Significant Impact.*** Please refer to IX(a).

**IX(g). Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? *No Impact.*** The proposed project is a telecommunications facility and does not include a housing component. Therefore, implementation of the proposed project would not place housing within a 100-year flood hazard area. No impact would occur, and no mitigation is required.

**IX(h). Place within a 100-year flood hazard area structures which would impede or redirect flood flows? *No Impact.*** According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) No. 06073C0792G (May 16, 2012), the Project Site is not located with the 100-year flood hazard area. Therefore, implementation of the proposed project would not place structures which would impede or redirect flood flows within a 100-year flood hazard area. No impact would occur, and no mitigation is required.

**IX(i). Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? *No Impact.*** Dam failure is defined as the structural collapse of a dam that releases the water stored in a reservoir behind the dam. A dam failure is usually the result of the age of the structure, inadequate spillway capacity, or structural damage caused by an earthquake or flood. According to the Draft Dam Failure County of San Diego Hazard Mitigation Planning Map, the Project Site is located adjacent to, but outside of, the Dixon Dam Inundation Area. The Project Site is located approximately 5 miles to the west of Dixon Lake. Therefore, because the Project Site is located outside of the dam inundation area there would be no impacts associated with dam failure, and no mitigation is required.

**IX(j). Inundation by seiche, tsunami, or mudflow? *No Impact.*** Seiching is a phenomenon that occurs when seismic ground shaking induces standing waves (seiches) inside water retention facilities such as reservoirs and water tanks. Such waves can cause retention structures to fail and flood downstream properties. There are no water retention facilities located in close proximity to the Project Site. A few small lakes and reservoirs are located within 5 to 7 miles to the east and south of the Project Site; however, these small waterbodies would not create a large seiche that would put the Project Site at risk. Therefore, the risk associated with possible seiche waves is not considered a

potential constraint or a potentially significant impact of the proposed project, and no mitigation is required.

Tsunamis are generated wave trains usually caused by tectonic displacement of the seafloor associated with shallow earthquakes, seafloor landslides, rock falls, and exploding volcanic islands. The proposed project is inland, located approximately 12 miles east of the Pacific Ocean shoreline. In addition, the City is located outside (east) of the tsunami inundation line.<sup>1</sup> Therefore, tsunamis would not be considered a potential hazard concern for the proposed project, and no mitigation is required.

Mudslides and slumps are described as a shallower type of slope failure, usually affecting the upper soil mantle or weathered bedrock underlying natural slopes and triggered by surface or shallow subsurface saturation. The Project Site is less than one acre and is relatively flat. The risk associated with possible mudflows and mudslides is, therefore, not considered a potential constraint or a potentially significant impact for the proposed project, and no mitigation is required.

#### ***Mitigation Measures Applicable to Hydrology and Water Quality***

No mitigation measures are required; however, Standard Condition HYD-1 below would be implemented as part of the proposed project.

#### **Standard Condition HYD-1:**

**Erosion Control Plan Requirements.** Prior to the initiation of construction activities, the Applicant shall prepare an Erosion Control Plan (ECP) that incorporates Best Management Practices (BMPs) to prevent the discharge of pollutants to receiving waters. The ECP shall be reviewed and approved by the City as part of the project review process. The ECP shall be tailored to the proposed project but shall include the following required BMPs:

- Stabilized construction entrances wherever vehicles enter unpaved areas.
- Perimeter control BMPs (silt fence, fiber roll, gravel bag berm etc.).
- Erosion control BMPs (bonded fiber matrix with hydroseed, blankets etc.) to cover areas vulnerable to erosion. Finished slopes should be stabilized within 14 calendar days of last being worked. All slopes need to be covered before rain.
- Stockpiles need to be covered before forecast rain events and at the end of each working day.
- Portable toilet facilities need secondary containment.
- Waste materials should be stored in covered dumpsters.

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<sup>1</sup> California Department of Conservation. 2013. Website:  
[http://www.conservation.ca.gov/cgs/geologic\\_hazards/Tsunami/Inundation\\_Maps/SanDiego/Pages/SanDiego.aspx](http://www.conservation.ca.gov/cgs/geologic_hazards/Tsunami/Inundation_Maps/SanDiego/Pages/SanDiego.aspx)

- Trash and debris should not be stored on the ground.
- Solid materials should be stored off the ground and covered.
- Liquid materials should be stored under cover and in secondary containment.

SECTION X: LAND USE AND PLANNING	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Impact Analysis**

**X(a). Physically divide an established community? *No Impact.*** Implementation of the proposed project would not divide an established community because the proposed telecommunication facility would be located on a parcel which is surrounded by existing development including a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment. Therefore, no impact would occur, and no mitigation is required.

**X(b). Conflict with any applicable land use plans, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the General Plan, specific plan, and zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? *No Impact.*** The primary guiding documents regulating land use around the Project Site include the Escondido General Plan (2012), the Escondido Municipal Code Chapter 33, Zoning (2015), and Palos Vista Specific Plan (1987). The Project Site is designated as SPA-1 in the Escondido General Plan and is zoned S-P in the Escondido Municipal Code; therefore, the development standards and guidelines of the Palos Vista Specific Plan apply to the proposed project. As stated in the Palos Vista Specific Plan, installation of the proposed telecommunications facility would not be prohibited as it would provide communication services to the community. Therefore, the proposed project would be consistent with the applicable land use designations and zoning code development standards. No impact would occur, and no mitigation is required.

**X(c). Conflict with any applicable habitat conservation plan or natural community conservation plan? *Less than Significant with Mitigation Incorporated.*** Refer to Section IV, Biological Resources, IV(f).

***Mitigation Measures Applicable to Land Use and Planning***

Refer to Mitigation Measure BIO-3 in Section IV, Biological Resources, requiring coastal sage scrub/chaparral habitat mitigation.

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SECTION XI: MINERAL RESOURCES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact Analysis**

**XI(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? *No Impact.*** The City is located in the Western San Diego County Production-Consumption (P-C) Zone according to the California Mineral Land Classification System. However, the Project Site is not located within a Mineral Resource Zone as defined and classified by the Surface Mining and Reclamation Act. There are no known mineral resources within the Project Site, and no evidence exists indicating that there could be mineral resources in the project vicinity. Implementation of the proposed project would not have an impact on any mineral resources of value to the State or the region, and no mitigation is required.

**XI(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? *No Impact.*** Refer to XI(a) above.

***Mitigation Measures Applicable to Mineral Resources***

No mitigation measures are required.

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SECTION XII: NOISE	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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 expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Impact Analysis

Analysis of impacts associated with noise for the proposed project is based on the Noise Impact Study Memorandum prepared by LSA in April 2015 (refer to Appendix F).

**XII(a). Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? *Less than Significant Impact.***

**Short-Term Construction Noise Impacts.** Short-term noise impacts would be associated with excavation, grading, and erecting of structures on site during construction of the proposed project. Construction-related short-term noise levels would be higher than existing ambient noise levels in the project area at the present time, but would no longer occur once construction of the proposed project is completed.

Two types of short-term noise impacts could occur during the construction of the proposed project. First, construction crew commutes and the transport of construction equipment and materials to the site for the proposed project would incrementally increase noise levels on access roads leading to the Project Site. A relatively high single-event noise exposure potential would exist at a maximum level of 75 A-weighted decibels at maximum instantaneous noise levels (dBA  $L_{max}$ ) with trucks passing at 50 ft. However, it is anticipated that construction of the proposed project would require few construction truck trips to the Project Site; therefore, the associated noise level change due to construction traffic would not be perceptible. Short-term construction-related worker commutes and equipment transport noise impacts would not be significant, and no mitigation is required.

The second type of short-term noise impact is related to noise generated during excavation, grading, and construction on the Project Site. Construction is performed in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on the Project Site. Therefore, the noise levels vary as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. Table XII.A lists maximum noise levels recommended for use in noise impact assessments for typical construction equipment based on a distance of 50 ft between the equipment and a noise receptor. Typical maximum noise levels (with the exception of pile driving) range up to 86 A-weighted decibels (dBA) at 50 ft during the noisiest construction phases. The site preparation phase, which includes excavation and grading of the site, tends to generate the highest noise levels, because the noisiest construction equipment is earth-moving equipment. Earth-moving equipment includes excavating machinery such as backfillers, bulldozers, draglines, and front loaders. Compacting equipment includes compactors, scrapers, and graders. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full power operation followed by 3 or 4 minutes at lower power settings.

**Table XII.A: Typical Construction Equipment Noise Levels**

Equipment Description	Spec 721.560 <sup>1</sup> $L_{max}$ at 50 ft	Actual Measured <sup>2</sup> $L_{max}$ at 50 ft
Backhoes	80	78
Compactor (ground)	80	83
Cranes	85	81
Dozers	85	82
Dump Truck	84	76
Excavators	85	81
Flat Bed Trucks	84	74
Front-End Loaders	80	79
Graders	85	N/A <sup>3</sup>
Jackhammer	85	89
Pickup Truck	55	75
Pneumatic Tools	85	85
Pumps	77	81
Rock Drill	85	81
Roller	85	80
Scrapers	85	84
Tractors	84	N/A
Vibratory Pile Driver	95	101

**Table XII.A: Typical Construction Equipment Noise Levels**

Equipment Description	Spec 721.560 <sup>1</sup> L <sub>max</sub> at 50 ft	Actual Measured <sup>2</sup> L <sub>max</sub> at 50 ft
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Source: FHWA Roadway Construction Noise Model (January 2006).

Note: Noise levels reported in this table are rounded to the nearest whole number.

<sup>1</sup> Maximum noise levels were developed based on Spec 721.560 from the Central Artery/Tunnel (CA/T) program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.

<sup>2</sup> The maximum noise level was developed based on the average noise level measured for each piece of equipment during the CA/T program in Boston, Massachusetts.

<sup>3</sup> Since the maximum noise level based on the average noise level measured for this piece of equipment was not available, the maximum noise level developed based on Spec 721.560 was used.

ft = foot/feet

L<sub>max</sub> = maximum instantaneous sound level

N/A = not applicable

Construction of the proposed project is expected to require the use of earth-movers, bulldozers, and water and pickup trucks on site. As shown in Table XII.A, the actual measured maximum noise level generated by each scraper on the Project Site is assumed to be 84 dBA L<sub>max</sub> at 50 ft from the scraper. Each bulldozer would also generate 82 dBA L<sub>max</sub> at 50 ft. The maximum noise level generated by water and pickup trucks is approximately 75 dBA L<sub>max</sub> at 50 ft from these vehicles. Each doubling of a sound source with equal strength increases the noise level by 3 dBA. Assuming that each piece of construction equipment operates at some distance from the other equipment, the worst-case combined noise level during this phase of construction would be 86 dBA L<sub>max</sub> at a distance of 50 ft from the active construction area. The closest existing residence to the Project Site is located approximately 180 ft from the construction area to the southeast. The closest residence may be subject to short-term noise levels reaching 75 dBA L<sub>max</sub> generated by construction. As stated in Mitigation Measure NOI-1, noise generated from construction-related activities is permitted between 7:00 a.m. to 6:00 p.m. Monday through Fridays. Only if necessary, Saturday construction would occur between the hours of 9:00 a.m. to 5:00 p.m. Construction activities beyond these hours and on Sundays or holidays are prohibited. Therefore, with implementation of Mitigation Measure NOI-1, requiring adherence to standard construction hours, impacts associated with noise generated during construction would be less than significant.

**Long-Term Stationary Noise Impacts.** Potential long-term stationary noise impacts would be associated primarily with the emergency generator contained in the equipment storage enclosure surrounded by a 9 ft high split-face concrete block wall. The testing and maintenance of the emergency generator would generate noise that would potentially affect residences and other noise-sensitive uses in the project vicinity. Other potential noise sources include slow-moving vehicles, car doors slamming, and engine startup in the non-exclusive technician parking area (located northeast of the Project Site).

As noise spreads from a source it loses energy, so the farther away the noise receiver is from the noise source, the lower the perceived noise level would be. Geometric spreading causes the sound level to attenuate or be reduced, resulting in a 6 dBA reduction in the noise level for each doubling of distance from a single-point source of noise, such as an idling truck or a screaming spectator, to the noise sensitive receptor. Although individual activity may generate relatively high and intermittent noise, when added to the typically lower ambient noise and averaged over a longer period of time, the cumulative noise level would be much lower and would be considered a less than significant impact, and no mitigation is required.

**Emergency Generator Noise.** The emergency generator would be housed inside a concrete block enclosure. There would be a 10 kilowatts (kW) emergency generator with a 55 gallon double wall subbase diesel fuel tank on a poured-in-place concrete pad. For this noise analysis, a Polar DC generator unit or equivalent sized unit with a single unit sound pressure level (SPL) of 63 dBA at a reference distance of 23 ft was used. At a distance of 150 ft from the emergency generator enclosure to the property line of the open space area, the noise level would drop to 47 dBA.

The concrete block enclosure would be approximately 9 ft high surrounding the emergency generator and associated ancillary components with a steel gate and frame as a lockable access. This concrete block wall would function as a noise barrier. The 9 ft high wall would help block the noise to sensitive receptors and provide a noise attenuation of 5 dBA or more. Assuming a worst-case scenario that the generator would operate continuously at its maximum power rating, the noise level from the generator would be 42 dBA Leq at the property line of the open space area. This noise level would be much lower at the closest residences (located approximately 0.06 mile [317 feet] southeast of the Project Site) and would be below the most stringent noise standards identified in the City's Municipal Code, which is 45 dBA Leq during the nighttime hours for single-family residences. Therefore, no significant noise impacts associated with the emergency generator would occur, and no mitigation is required.

**Parking Area Noise.** Representative parking activities, such as employees/technicians conversing or doors slamming, would generate approximately 60 to 70 dBA Lmax at 50 ft. This level of noise would be intermittent in nature. The non-exclusive technician parking area located northeast of the Project Site (approximately 150 ft from the property line of the open space area) would provide approximately 9 dBA in noise reduction compared to the noise level measured at 50 ft. Noise from the technician parking area would be reduced to 61 dBA Lmax or lower at the closest property line of the open space area and further reduced at the closest residence due to the distance from the residence to the Project Site. Therefore, noise impacts associated with the technician parking area would be less than significant, and no mitigation is required.

**XII(b). Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels? *Less than Significant Impact.*** Groundborne noise in buildings and structures is produced when interior surfaces such as walls and floors are "excited" into motion by groundborne vibration transmitted into a given structure. In general, groundborne vibration from standard construction practices is only a potential structural damage issue when within 25 ft of sensitive receptors. Because construction is not proposed within 25 ft of any sensitive or fragile receptors, the potential impact of groundborne vibration during construction on sensitive receptors in the project vicinity is considered less than significant.

In accordance with the City's Municipal Code, restricting the hours of construction to daytime hours (7:00 a.m. to 6:00 p.m.), as required with implementation of Standard Condition NOI-1, would ensure that any construction-related groundborne vibration levels would not result in disturbance of persons of normal sensitivity residing around the Project Site. Therefore, construction activities would not expose persons to excessive levels of groundborne noise or groundborne vibration, and this impact would be reduced to less than significant.

Operation of the stationary telecommunications tower would not be a source of substantial groundborne vibration. Use of the proposed project's emergency generator in an emergency situation would not result in substantial groundborne vibration. Therefore, the proposed project would not expose persons to or generate excessive groundborne vibration or noise levels during operation, and no mitigation is required.

**XII(c). A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? *Less than Significant Impact.*** Refer to XII(a) above. Potential long-term stationary noise impacts would be associated primarily with the emergency generator in the equipment storage enclosure as well as other noise sources associated with the non-exclusive technician parking area located northeast of the Project Site. The 9 ft concrete block enclosure surrounding the emergency generator would function as a noise barrier, reducing the noise levels in the project vicinity to less than significant levels, even under the worst-case scenario (i.e., continuous operation of the emergency generator at maximum power). The noise levels generated in the technician parking area from slow-moving vehicles, car doors slamming, and engine startup would be intermittent in nature and would not result in a substantial permanent increase in ambient noise levels in the project vicinity. Therefore, there would not be a substantial permanent increase in ambient noise levels in the project vicinity above existing noise levels without the proposed project, and no mitigation is required.

**XII(d). A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? *Less than Significant Impact.*** Refer to XII(a) above. Construction activities on the Project Site could increase short-term ambient noise levels. Construction-related short-term noise levels would be higher than existing ambient noise levels in the vicinity of the project area but would cease once construction is completed. With implementation of Standard Condition NOI-1 which would limit construction hours to Monday through Friday from 7:00 a.m. to 6:00 p.m., and due to the short-term nature of the construction activities, construction noise levels would be reduced to a less than significant impact.

**XII(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 expose people residing or working in the project area to excessive noise levels? *No Impact.*** The proposed project is not located within an airport land use plan or located within 2 miles of a public or private airstrip. The nearest airport is the McClellan-Palomar Airport located approximately 9 miles west of the Project Site. Because this airport is located more than 2 miles from the Project Site, the proposed project would not expose people residing or working in the project vicinity to excessive noise levels. No impacts related to excessive airport noise would occur, and no mitigation is required.

**XII(f). For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels? *No Impact.*** The Project Site is not located within the vicinity of a private airstrip. Therefore, no impacts related to the exposure of people to excessive noise levels residing or working in the project vicinity would occur, and no mitigation is required.

***Mitigation Measures Applicable to Noise***

No mitigation measures are required; however, Standard Condition NOI-1 below would be implemented as part of the proposed project.

**Standard Condition NOI-1:**

**Construction Hours.** In accordance with the City's Municipal Code, construction shall be limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday. If necessary, Saturday construction hours shall be limited to the hours of 9:00 a.m. to 5:00 p.m. No construction activity shall be permitted on Sundays or national holidays.

<b>SECTION XIII: POPULATION AND HOUSING</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
Would the project:				
a) Induce substantial 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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Impact Analysis

**XIII(a). Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through the extension of roads or other infrastructure)? *No Impact.*** The proposed project is not a residential project but rather a telecommunication facility that would provide communications services for personal, business, and emergency purposes to the community; therefore, implementation of the proposed project would not result in direct population growth. Construction of the proposed project would require less than 15 workers for a period of 8 days to complete. Since construction would be short-term and would involve few construction workers, construction activities would be considered minor and would not result in an increase in population growth in the area. Furthermore, operation of the proposed telecommunication facility would not generate new jobs resulting in an increase in population growth in the area. No impacts related to population growth in the area would occur, and no mitigation is required.

**XIII(b). Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? *No Impact.*** The parcel surrounding the Project Site is developed with a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment. Single family residences are located to the north, south, and east of the Project Site; however, no housing units are located on the Project Site. Therefore, implementation of the proposed project would not displace housing, and no mitigation is required.

**XIII(c). Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere? *No Impact.*** The parcel surrounding the Project Site is currently developed with a one-story commercial building, two aboveground water tanks and telecommunication infrastructure and equipment. Single family residential uses are located to the north, south, and east of the Project Site; however, no housing units or other forms of temporary housing are located on the Project Site. Implementation of the proposed project would not displace people necessitating the construction of replacement housing elsewhere. No impacts related to displacement of people would occur, and no mitigation is required.

***Mitigation Measures Applicable to Population and Housing***

No mitigation measures are required.

SECTION XIV: PUBLIC SERVICES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
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 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:				
a) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact Analysis**

**XIV. 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?** See discussion below.

**XIV(a). Fire protection? No Impact.** Fire protection and medical services for the City, including the Project Site, would be provided by the Escondido Fire Department. The closest fire station is Fire Station #3, located approximately 2 miles to the southeast of the Project Site. Implementation of the proposed project would include installation of a telecommunication facility on a less than 1 acre site. The proposed project would not increase the demand for emergency services when compared to the existing uses of the surrounding parcel and would not require the construction of any new fire stations. Furthermore, construction the proposed project would not require any road closures, and therefore, would not impact response time for any emergency services. No impact would occur, and no mitigation is required.

**XIV(b). Police protection? No Impact.** Police services for the City, including the Project Site would be provided by the Escondido Police Department. The Escondido Police & Fire Headquarters are located approximately 2.8 miles to the southeast of the Project Site. Implementation of the proposed project would include installation of a telecommunication facility on a less than 1 acre existing developed site. The proposed project would not increase the demand for emergency services when compared to the existing uses of the surrounding parcel and would not require the construction of any new police stations. Furthermore, construction of the proposed project would not require any road closures, and therefore, would not impact response time for any emergency services. No impact would occur, and no mitigation is required.

**XIV(c). Schools? *No Impact.*** The nearest school to the Project Site is Richland Elementary School, located approximately 0.7 miles southwest of the Project Site. Implementation of the proposed project would include installation of a telecommunication facility to provide communication services for personal, business, and emergency purposes within the community. The proposed project would not induce population growth and would therefore, not generate an increased demand for school facilities. No impact would occur, and no mitigation is required.

**XIV(d). Parks? *No Impact.*** Refer to Section XV, Recreation, Response XV(a).

**XIV(e). Other public facilities? *No Impact.*** Public facilities include facilities such as libraries and hospitals. The proposed project would include installation of a telecommunication facility to provide communication services for personal, business, and emergency purposes within the community. The proposed project would not induce population growth that would generate an increased demand for public facilities. No impact to public facilities would occur, and no mitigation is required.

***Mitigation Measures Applicable to Public Services***

No mitigation measures are required.

SECTION XV: RECREATION	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact Analysis**

**XV(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? *No Impact.*** The nearest park to the Project Site is Helen Bougher Memorial Park, located on Borden Road, approximately 0.3 mile south of the Project Site. There are three additional parks located within a 1 mile radius of the Project Site. Installation of the telecommunication facility would provide communication services for personal, business, and emergency purposes within the community and would not induce population growth. Therefore, the provision of new or expanded recreational facilities would not be required as a result of the implementation of the proposed project. No impact would occur, and no mitigation is required.

**XV(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? *No Impact.*** The proposed project involves the installation of a telecommunication facility. The proposed project would not include recreational facilities or require the construction of recreational facilities. No impact would occur, and no mitigation is required.

***Mitigation Measures Applicable to Recreation***

No mitigation measures are required.

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SECTION XVI: TRANSPORTATION/ TRAFFIC	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact Analysis**

**XVI(a). Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit? *No Impact.*** The proposed project includes installation of a telecommunication facility and would not generate demand for new facilities for vehicular travel. The proposed project would not conflict with any applicable plans, ordinances or policies establishing measures of effectiveness for the performance of the circulation system. No impact would occur, and no mitigation is required.

**XVI(b). Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways? *No Impact.*** As stated above, the proposed project includes installation of a telecommunication facility and would not generate demand for new facilities for vehicular travel. The proposed project would not conflict with any applicable congestion management program. No impact would occur, and no mitigation is required.

**XVI(c). Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? *No Impact.*** As stated above, the proposed project includes installation of a telecommunication facility and would not generate demand for new facilities for vehicular travel. The proposed project would not result in a change in air traffic patterns, including either an increase in traffic levels or a change in location resulting in substantial safety risks. No impact would occur, and no mitigation is required.

**XVI(d). Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? *No Impact.*** As stated above, the proposed project includes installation of a telecommunication facility and does not include a transportation component. The proposed project would not increase any hazards due to a design feature or incompatible uses. No impact would occur, and no mitigation is required.

**XVI(e). Result in inadequate emergency access? *No Impact.*** As stated in Section XIV, Public Services, construction of the proposed project would not require any road closures, and therefore, would not impact emergency access or response times for emergency services. Similarly, operation of the proposed telecommunication facility would not result in inadequate emergency access. No impact would occur, and no mitigation is required.

**XVI(f). Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities? *No Impact.*** The proposed project includes installation of a telecommunication facility on private property. The proposed project would not conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities. No impact would occur, and no mitigation is required.

***Mitigation Measures Applicable to Transportation and Traffic***  
No mitigation measures are required.

SECTION XVII: UTILITIES AND SERVICE SYSTEMS	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact Analysis**

**XVII(a). Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? *No Impact.*** The proposed project would not generate wastewater and therefore, would not be subject to the wastewater treatment requirements of the Regional Water Quality Control Board (RWQCB). No impacts would occur, and no mitigation is required.

**XVII(b). Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? *No Impact.*** The proposed project would not generate wastewater or require wastewater treatment. Runoff from the Project Site would drain to the existing adjacent storm drain system. Refer to Section IX, Hydrology and Water Quality, in this IS/MND for additional information on runoff. The proposed project would not require or result in the construction of new

water, wastewater treatment, or collection facilities, or require the expansion of existing facilities. No impacts would occur, and no mitigation is required.

**XVII(c). Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? *No Impact.*** The proposed project would result in a nominal increase of impervious surface area compared to existing conditions through the construction of concrete block equipment storage enclosure and a faux mono eucalyptus tree. The nominal increase in impervious surface area would not result in a substantial increase in the volume of runoff to the existing storm drain system compared to existing conditions. Therefore, the proposed project would not contribute additional runoff water to downstream storm water drainage facilities or result in the need to expand existing facilities. No impacts would occur, and no mitigation is required.

**XVII(d). Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? *Less than Significant Impact.*** A short-term demand for water may occur during excavation, grading, and other minor construction activities associated with the proposed project. Water demand for soil watering (fugitive dust control), cleanup and other activities would be temporary. These uses would cease when construction of the proposed project is complete. These minor construction activities are not expected to have a significant impact on the existing water system or available water supplies. Therefore, potential impacts associated with short-term construction activities would be less than significant, and no mitigation is required.

Operation of the proposed telecommunication facility would not require any new demand of water. Landscaping or other water demanding activities are not included as part of the proposed project. Therefore, the proposed project would not require new or expanded water entitlements, and no mitigation is required.

**XVII(e). Result in a determination by the wastewater treatment provider, which serves or may serve the project, that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments? *No Impact.*** The proposed project would not require wastewater facilities or wastewater treatment services. The proposed project would not exceed the existing capacity of the sanitary sewer delivery system or the existing capacity of treatment facilities in the City. No impacts would occur, and no mitigation is required.

**XVII(f). Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? *Less than Significant Impact.*** Construction of the proposed telecommunication facility would generate a nominal amount of solid waste. The generation of construction waste would cease when the proposed project is complete. Any construction waste generated from the Project Site would be disposed of at the Escondido Disposal, Inc. (EDI) Construction, Demolition and Inert (CDI) Recycling Facility in San Marcos. The nominal amount of construction waste would not significantly impact the Recycling Facility. Operation of the proposed project would not generate solid waste and therefore, would not require solid waste disposal (landfill service). The proposed project would result in a less than significant impact to solid waste and landfill facilities, and no mitigation is required.

**XVII(g). Comply with federal, State, and local statutes and regulations related to solid waste?**  
**No Impact.** As stated previously, a nominal amount of construction waste would be generated by the proposed project. No solid waste would be generated during operation of the proposed telecommunication facility. The proposed project would be required to comply with existing and/or future statutes and regulations mandated by federal, State, and local law with regard to solid waste. Therefore, implementation of the proposed project would not result in impacts to federal, State, and local statutes and regulations to solid waste, and no mitigation is required.

***Mitigation Measures Applicable to Utilities and Service Systems***

No mitigation measures are required.

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SECTION XVIII: 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 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 self-sustaining levels, threaten to eliminate a plant or animal community, 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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 with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Impact Analysis**

**XVIII(a). Does the project have the potential to 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 self-sustaining levels, threaten to eliminate a plant or animal community, 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? *Less Than Significant with Mitigation Incorporated.*** Implementation of the proposed project has the potential to impact orange throated whiptail (considered a CSC by the CDFW) and migratory nesting birds. Potential impacts to these species would be reduced to less than significant levels by implementation of Mitigation Measures BIO-1 and BIO-2 requiring the presence of a biological monitor during construction and completion of a preconstruction nesting bird survey. Additionally, the proposed project includes installation of a telecommunication facility on a less than 1 acre parcel. The proposed project would nominally impact coastal sage scrub habitat which is regulated by the CDFW, USFWS, and ACOE within the FPA because of its high biological value (habitat) for coastal California gnatcatcher. Potential impacts to coastal sage scrub habitat would be mitigated to less than significant levels by implementation of Mitigation Measure BIO-3 requiring the purchase of mitigation credits for coastal sage scrub habitat.

The archaeological field survey conducted for the proposed project concluded that there were no reported surface archaeological deposits on the Project Site. However, in the unlikely event that

unknown archaeological resources are encountered during project subsurface construction activities, implementation of Mitigation Measure CULT-1 would reduce potential impacts to less than significant levels.

Therefore, with implementation of the mitigation measures notes above, the potential for the proposed project to 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 self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of rare or endangered plants or animals, or eliminate important examples of the major periods of California history or prehistory would be less than significant.

**XVIII(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 with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? *Less Than Significant with Mitigation Incorporated.*** The parcel surrounding the Project Site is currently developed with a one-story commercial building, two aboveground water tanks, and telecommunication infrastructure and equipment. The Project Site is further bordered by single residential uses to the north, south and east and open space to the west. Implementation of the proposed project would provide communication services for personal, business, and emergency purposes in the project vicinity. Potential project-related impacts are less than significant or can be reduced to less than significant levels with the incorporation of mitigation measures. Additionally, the impacts relevant to the proposed project are localized and confined to the immediate project area. Given that the potential project-related impacts are less than significant and limited, implementation of the proposed project would not result in impacts that are cumulatively considerable when evaluated with the impacts of other current projects, or the effects of probable future projects. Therefore, the proposed project would not result in cumulatively considerable impacts.

**XVIII(c). Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? *Less than Significant with Mitigation Incorporated.*** This document evaluates the proposed project’s potential impacts to air quality, noise, biological resources, cultural resources, greenhouse gas emissions, and other environmental issues. Based on the project description and the preceding responses, implementation of the proposed project would not cause substantial adverse effects on human beings because all potentially significant impacts of the proposed project can be mitigated to less than significant levels.

### III. Mitigation Monitoring and Reporting Program

Mitigation Measure	Responsible Party	Timing	Verification Date
<b>Biological Resources</b>			
<p><b>BIO-1 Biological Monitor.</b> A qualified biological monitor familiar with orange-throated whiptail shall be present during all vegetation-clearing activities on the Project Site. If orange-throated whiptail is observed on the Project Site during construction activities, they shall be removed from the Project Site by the qualified biologist. The qualified biologist shall prepare and submit a California Natural Diversity Data Base form documenting the occurrence to the California Department of Fish and Wildlife. Following completion of construction activities, the biological monitor shall prepare and submit to the Applicant a Biological Construction Report. Any occurrence(s) of orange-throated whiptail shall be documented in Biological Construction Report.</p>	The Applicant	<p>A qualified biological monitor shall be present during all vegetation-clearing activities on the Project site.</p> <p>A Biological Construction Report shall be prepared and submitted to the Applicant following completion of construction activities.</p>	
<p><b>BIO-2 Preconstruction Nesting Bird Surveys.</b> If project construction cannot be avoided during the nesting season (January 1 through September 1), a preconstruction nesting bird survey shall be conducted by a qualified biologist hired by the applicant prior to the initiation of work to identify any active nests that may be impacted by construction activities. Surveys shall be conducted at the appropriate time of day, no more than three days prior to vegetation removal and/or disturbance. Documentation of surveys and findings shall be submitted to the City for review and concurrence prior to conducting project activities. If no nesting birds are observed and concurrence was received, project activities may begin. If an active bird nest is observed, the nest site shall be fenced a minimum of 200 feet (500 feet for special-status species and raptors) in all directions, and this area shall not be disturbed until after September 1 or until the nest is inactive. If threatened or endangered species are observed within 500 feet of the work area, no work shall occur during the nesting season (January 1 through September 1) to avoid direct or indirect (noise) take of listed species.</p>	The Applicant	Prior to the initiation of construction activities.	
<p><b>BIO-3 Coastal Sage Scrub/Chaparral Habitat Mitigation.</b> Project-related impacts to coastal sage scrub/chaparral habitat shall be mitigated</p>	The Applicant	Mitigation credit shall be purchased prior to	

Mitigation Measure	Responsible Party	Timing	Verification Date
through the purchase of mitigation credits for coastal sage scrub/chaparral habitat from the Daley Ranch Conservation Bank or similarly suitable conservation bank pursuant to the mitigation requirements identified in the Draft Escondido Subarea Plan Table 5-2. The Applicant shall be responsible for purchasing and securing mitigation credits for coastal sage scrub/chaparral habitat. The Applicant shall provide the City with documentation of the mitigation credit purchase prior to issuance of a grading or building permit.		issuance of a grading or building permit.	
<b>Cultural Resources</b>			
<b>CULT-1 Discovery of Archaeological Resources.</b> Should archaeological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet will be redirected by the project contractor until a City-qualified archaeologist is retained by the Applicant to evaluate the find, including mapping and collecting any diagnostic (time-sensitive) artifacts, to the satisfaction of the Community Development Department. The City shall further require that its agents conform to the requirements of the California Environmental Quality Act (CEQA) Guidelines, Section 15064.5 (e) and that they contact the Native American Heritage Commission (NAHC) in order to inform it of the discovery and to arrange for potential identification and preservation of the cultural resources pursuant to California Public Resources Code (PRC) Section 5097.98.	The Applicant	During construction activities.	
<b>CULT-2 Discovery of Paleontological Resources.</b> Should paleontological resources be encountered during project subsurface construction activities, all ground-disturbing activities within 25 feet (ft) shall be redirected by the project contractor and the Applicant shall retain a City-qualified paleontologist to assess the situation and make recommendations for the treatment of the discovery. If the find is determined to be significant, and project activities cannot avoid impacting the resource, the impact to the resource shall be mitigated in accordance with the recommendations of the consulting paleontologist. Mitigation may include monitoring, recording the fossil locality, data recovery and analysis, a final report, and accessioning the fossil material and technical report to a paleontological repository. Public educational	The Applicant	During construction activities.	

Mitigation Measure	Responsible Party	Timing	Verification Date
<p>outreach may also be appropriate. Upon completion of the assessment, a report documenting methods, findings, and recommendations of the investigation shall be prepared and submitted to the Applicant, and, if paleontological materials are recovered, a copy of the report shall be submitted to a paleontological repository, such as the University of California Museum of Paleontology.</p>			
<p><b>CULT-3 Discovery of Human Remains.</b> If human remains are encountered during project construction, work within 25 feet (ft) of the discovery shall be redirected by the project contractor and the Applicant shall notify the County Medical Examiner immediately to assess the situation. Project personnel shall not collect or move any human remains and associated materials. If the human remains are determined to be prehistoric, the Medical Examiner shall notify the Native American Heritage Commission (NAHC) within 24 hours of this identification. The NAHC shall determine and notify a Most Likely Descendant (MLD). With permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery and shall complete the inspection within 48 hours of being granted access to the site. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.</p>	The Applicant	During construction activities.	
<p><b>Hydrology and Water Quality</b></p>			
<p><b>HYD-1 Erosion Control Plan Requirements.</b> Prior to the initiation of construction activities, the Applicant shall prepare an Erosion Control Plan (ECP) that incorporates Best Management Practices (BMPs) to prevent the discharge of pollutants to receiving waters. The ECP shall be reviewed and approved by the City as part of the project review process. The ECP shall be tailored to the proposed project but shall include the following required BMPs:</p> <ul style="list-style-type: none"> <li>• Stabilized construction entrances wherever vehicles enter unpaved areas.</li> <li>• Perimeter control BMPs (silt fence, fiber roll, gravel bag berm etc.).</li> <li>• Erosion control BMPs (bonded fiber matrix with hydroseed, blankets etc.) to cover areas vulnerable to erosion. Finished</li> </ul>	The Applicant	Prior to initiation of construction activities.	

Mitigation Measure	Responsible Party	Timing	Verification Date
<p>slopes should be stabilized within 14 calendar days of last being worked. All slopes need to be covered before rain.</p> <ul style="list-style-type: none"> <li>• Stockpiles need to be covered before forecast rain events and at the end of each working day.</li> <li>• Portable toilet facilities need secondary containment.</li> <li>• Waste materials should be stored in covered dumpsters.</li> <li>• Trash and debris should not be stored on the ground.</li> <li>• Solid materials should be stored off the ground and covered.</li> <li>• Liquid materials should be stored under cover and in secondary containment.</li> </ul>			
<b>Noise</b>			
<p><b>NOI-1 Construction Hours.</b> In accordance with the City’s Municipal Code, construction shall be limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday. If necessary, Saturday construction hours shall be limited to the hours of 9:00 a.m. to 5:00 p.m. No construction activity shall be permitted on Sundays or national holidays.</p>	The Applicant	During construction.	

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## **APPENDIX A**

### **CONSTRUCTION EMISSIONS ANALYSIS**

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## MEMORANDUM

**DATE:** April 13, 2015

**TO:** Lisa Goodman-Mercurio  
M&M Telecom, Inc.  
PO Box 55  
Poway, CA 92074

**FROM:** Amy E. Fischer, Associate

**SUBJECT:** Construction Emissions Analysis

LSA has prepared this memorandum to analyze the estimated criteria pollutant and greenhouse gas (GHG) emissions generated during construction of the Emerald Heights Communications Tower Project. The proposed project is located at 1901 7/8 Woodland Parkway, Escondido, California and would construct a wireless telecommunication facility to be used by Verizon Wireless. Construction of the project would take approximately eight weeks. Results of the analysis indicate that the project would not exceed the daily emission thresholds for construction emissions established by the San Diego County Air Pollution Control District (SDAPCD).

### CONSTRUCTION CRITERIA POLLUTANT EMISSIONS

During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by ground disturbance and hauling activities. Emissions from construction equipment are also anticipated and would include carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), reactive organic gases (ROG), suspended particulate matter (PM) of 10 and 2.5 microns in diameter, and toxic air contaminants (TACs) such as diesel exhaust particulate matter.

PM<sub>10</sub> emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM<sub>10</sub> emissions would depend on soil moisture, the soil's silt content, wind speed, and the number of equipment pieces operating on-site. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction sites. Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SDAPCD has established standard measures for reducing fugitive dust emissions (PM<sub>10</sub>) through grading ordinances and permits. With the implementation of standard construction measures such as frequent watering (e.g., two times per day at a minimum), control of carryout and trackout, and control of windblown dust, fugitive dust emissions from construction activities would not result in adverse air quality impacts.

In addition to dust-related PM<sub>10</sub> emissions, haul trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO<sub>2</sub>, NO<sub>x</sub>, VOCs, and some soot particulate (PM<sub>2.5</sub> and PM<sub>10</sub>) in exhaust emissions. These emissions would be temporary and limited to the immediate area surrounding the construction sites.

The San Diego APCD’s *Guidelines For Determining Significance for Air Quality* (Guidelines) provides guidance for analyzing adverse environmental effects pursuant to the California Environmental Quality Act (CEQA).<sup>1</sup> Both the State of California (State) and the federal government have established health-based ambient air quality standards (AAQS) for seven air pollutants. These pollutants include ozone (O<sub>3</sub>), CO, nitrogen dioxide (NO<sub>2</sub>), sulfur dioxide (SO<sub>2</sub>), PM<sub>10</sub>, PM<sub>2.5</sub>, and lead. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

The screening-level thresholds for air quality impact analysis in the SDPCD’s Guidelines were established based on the State air quality standards from the California Air Resources Board (ARB) and national standards established by the U.S EPA. ROG emissions are based on the emissions thresholds in the SCAQMD *CEQA Air Quality Handbook*, since these thresholds are generally stricter. The SCAQMD emission thresholds were established based on the attainment status of the air basin in regard to air quality standards for specific criteria pollutants.

Construction emissions for the project were calculated using emission factors from the California Air Resources Board’s OFFROAD2011 (for water trucks, excavators, drill rigs and all other on-site equipment). For the purposes of this analysis, it is assumed the project would be constructed over a total of 56 days. Calculation details are included in Attachment A.

Construction-related emissions for the project are shown in Table 1. As shown in Table 1, average daily construction emissions would not exceed the SDAPCD’s numeric threshold for emissions. However, in order to reduce fugitive dust emissions to a less than significant level, it is mandatory for all construction projects in the San Diego Air Basin to comply with San Diego APCD Regulation IV Rule 55 for fugitive dust. Rule 55 fugitive dust control requirements including minimizing airborne dust beyond the property line caused by trackout and carryout as a result of active operations, spillage from transport trucks, and erosion.<sup>2</sup> Implementing these measures, as appropriate, throughout construction activities would further reduce fugitive dust emissions.

**Table 1: Maximum Construction Emissions in Pounds Per Day**

	Pollutant Emissions (lbs/day)				
	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>
Project Construction	0.57	9.50	6.74	0.00	0.44
<b>SDAPCD Thresholds</b>	<b>137</b>	<b>250</b>	<b>550</b>	<b>250</b>	<b>100</b>
<b>Significant Emissions?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

CO = carbon monoxide  
 lbs/day = pounds per day  
 NO<sub>x</sub> = nitrogen oxides

SDAPCD = San Diego Air Pollution Control District

Source: SDAPCD, 2011. *Significance Determination Thresholds* January.

ROG = reactive organic compounds  
 SO<sub>2</sub> = sulfur dioxide  
 PM<sub>10</sub> = particulate matter less than 10 microns in size

<sup>1</sup> San Diego, County of, Land Use and Environment Group. 2007. *Guidelines For Determining Significance – Air Quality*. March, 19.

<sup>2</sup> San Diego, County of, 2009. Rule 55 Fugitive Dust Control. December 24.

The SDAPCD does not provide a short-term regional construction emission threshold for PM<sub>2.5</sub>; however the PM<sub>2.5</sub> emissions would be similar or less than the PM<sub>10</sub> emissions and therefore, be considered a less-than-significant impact. Construction-generated emissions would not exceed applicable mass emissions thresholds established by SDAPCD. Therefore, the impact would be less than significant. Mitigation would not be required.

**CONSTRUCTION GREENHOUSE GAS EMISSIONS**

Total construction-related GHG emissions were estimated using the methodology described in the criteria pollutant analysis. Total project construction GHG emissions would be approximately 50 metric tons of CO<sub>2</sub>e.

No federal, State, regional, or local air quality regulatory agency has adopted a quantitative threshold of significance for construction-related GHG emissions. In November 2013 the County of San Diego provided Guidelines for Determining Significance for Climate Change. As determined by the County’s Climate Action Plan, construction and operational GHG emissions not exceeding 2,500 MT CO<sub>2</sub>e per year would be less-than-significant.

The total construction GHG emissions would be 50 metric tons of CO<sub>2</sub>e, which would be well below the San Diego APCD 2,500 metric tons CO<sub>2</sub>e annual screening threshold. Therefore, the proposed project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, thus, GHG emission impacts would be less than significant, and no mitigation would be required.

Calculation details are provided in Attachment A.

**OPERATIONAL EMISSIONS**

Once constructed, the proposed project would not result in a substantial increase in traffic volumes, vehicle miles traveled, or other sources of GHG emissions. Operation of the project would generate a very small amount of emission during the periodic testing of an emergency generator and occasional vehicle trips for maintenance. Operational emissions are shown in Table 2.

**Table 2: Operational Emissions in Pounds Per Day**

	Total Regional Pollutant Emissions (lbs/day)				
	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub>
Project Operation	0.14	0.90	0.50	0.00	0.07
<b>SDAPCD Thresholds</b>	<b>137</b>	<b>250</b>	<b>550</b>	<b>250</b>	<b>100</b>
<b>Significant Emissions?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

CO = carbon monoxide  
 lbs/day = pounds per day  
 NO<sub>x</sub> = nitrogen oxides  
 SDAPCD = San Diego Air Pollution Control District  
 Source: SDAPCD, 2011. *Significance Determination Thresholds* January.

ROG = reactive organic compounds  
 SO<sub>2</sub> = sulfur dioxide  
 PM<sub>10</sub> = particulate matter less than 10 microns in size

Based on the results of the air quality analysis shown in Table 1 and Table 2, the proposed project would not exceed operational or construction emission thresholds established by the San Diego APCD. The proposed project would also result in a less-than-significant GHG impact.

**ATTACHMENT A**

**Emission Calculation Details**

**Project Summary By Year**

Year	ROG Tons/Yr	CO Tons/Yr	NOx Tons/Yr	*PM10 Tons/Yr	CO2 MT/Yr	CH4 MT/Yr	CO2e MT/Yr
2016	0.02	0.19	0.27	0.01	28.59	0.00	28.65
Totals	0.02	0.19	0.27	0.01	29	0	29

**Maximum Daily Emissions**

ROG Lbs/Day	CO Lbs/Day	NOx Lbs/Day	*PM10 Lbs/Day	CO2 MT/Day	CH4 MT/Day	CO2e MT/Day
0.57	6.74	9.50	0.44	0.51	0.00	0.51
1, 2, 3, 4,						



Year	ROG Tons/Yr	CO Tons/Yr	NOx Tons/Yr	PM10 Tons/Yr	CO2 MT/Yr	CH4 MT/Yr	CO2e MT/Yr
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

Year	ROG Lb/Day	CO Lb/Day	NOx Lb/Day	PM10 Lb/Day	CO2 MT/Day	CH4 MT/Day	CO2e MT/Day
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

Year	ROG Tons/Yr	CO Tons/Yr	NOx Tons/Yr	PM10 Tons/Yr	CO2 MT/Yr	CH4 MT/Yr	CO2e MT/Yr
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

Year	ROG Lb/Day	CO Lb/Day	NOx Lb/Day	PM10 Lb/Day	CO2 MT/Day	CH4 MT/Day	CO2e MT/Day
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

	2016	0	0	0	0
Days / Yr	365	12	1	1	1
NOx Control	<b>0%</b>	<b>0%</b>			

**TOTAL PROJECT EMISSIONS SUMMARY**

<b>Project Emission Summary</b>	<b>ROG Pounds/Day</b>	<b>CO Pounds/Day</b>	<b>NOx Pounds/Day</b>	<b>PM10 Pounds/Day</b>
<b>Total Average Daily Project Emissions</b>	<b>0.13</b>	<b>1.33</b>	<b>1.68</b>	<b>0.07</b>
Construction Equipment	0.09	1.03	1.46	0.07
Mobile Off-Site	0.02	0.24	0.04	0.00
Mobile On-Site	0.03	0.05	0.18	0.00
Mobile Idling	0.00	0.00	0.00	0.00

**Project Summary By Year**

<b>Year</b>	<b>ROG Tons/Yr</b>	<b>CO Tons/Yr</b>	<b>NOx Tons/Yr</b>	<b>*PM10 Tons/Yr</b>	<b>CO2 MT/Yr</b>	<b>CH4 MT/Yr</b>	<b>CO2e MT/Yr</b>
2016	0.10	0.37	0.66	0.05	51.57	0.01	51.75
<b>Totals</b>	0.10	0.37	0.66	0.05	52	0	52

**Maximum Daily Emissions**

<b>ROG Lbs/Day</b>	<b>CO Lbs/Day</b>	<b>NOx Lbs/Day</b>	<b>*PM10 Lbs/Day</b>	<b>CO2 MT/Day</b>	<b>CH4 MT/Day</b>	<b>CO2e MT/Day</b>
0.55	2.02	3.60	0.28	0.14	0.00	0.14
1,						



Year	ROG Tons/Yr	CO Tons/Yr	NOx Tons/Yr	PM10 Tons/Yr	CO2 MT/Yr	CH4 MT/Yr	CO2e MT/Yr
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

Year	ROG Lb/Day	CO Lb/Day	NOx Lb/Day	PM10 Lb/Day	CO2 MT/Day	CH4 MT/Day	CO2e MT/Day
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

Year	ROG Tons/Yr	CO Tons/Yr	NOx Tons/Yr	PM10 Tons/Yr	CO2 MT/Yr	CH4 MT/Yr	CO2e MT/Yr
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.000	0.000
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

Year	ROG Lb/Day	CO Lb/Day	NOx Lb/Day	PM10 Lb/Day	CO2 MT/Day	CH4 MT/Day	CO2e MT/Day
0							
Const. Equip	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Const. Mobil Offsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Onsite	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
Const. Mobil Idling	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00
<b>Total</b>	#REF!	#REF!	#REF!	#REF!	#REF!	0.00	0.00

	2016	0	0	0	0
Days / Yr	365	12	1	1	1
NOx Control	<b>0%</b>	<b>0%</b>			

**TOTAL PROJECT EMISSIONS SUMMARY**

<b>Project Emission Summary</b>	<b>ROG Pounds/Day</b>	<b>CO Pounds/Day</b>	<b>NOx Pounds/Day</b>	<b>PM10 Pounds/Day</b>
<b>Total Average Daily Project Emissions</b>	<b>0.55</b>	<b>2.05</b>	<b>3.61</b>	<b>0.28</b>
Construction Equipment	0.55	2.02	3.60	0.28
Mobile Off-Site	0.00	0.04	0.01	0.00
Mobile On-Site	0.00	0.00	0.00	0.00
Mobile Idling	0.00	0.00	0.00	0.00

## **APPENDIX B**

# **BIOLOGICAL RESOURCES RECONNAISSANCE SURVEY RESULTS MEMORANDUM**

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LSA ASSOCIATES, INC.  
703 PALOMAR AIRPORT ROAD  
SUITE 260  
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BERKELEY  
FORT COLLINS  
FRESNO

IRVINE  
PALM SPRINGS  
PT. RICHMOND

RIVERSIDE  
ROCKLIN  
SAN LUIS OBISPO

May 13, 2015

Ms. Mary Armstrong-Friberg  
Bureau Veritas North America, Inc.  
1665 Scenic Avenue, Suite 200  
Costa Mesa, California 92626

Subject: Biological Resources Reconnaissance Survey Results for the Emerald Heights  
Communications Tower Project (LSA Project No. CYG1402)

Dear Ms. Armstrong-Friberg:

Per your request, LSA Associates, Inc. (LSA) conducted a general reconnaissance survey for biological resources at the proposed Emerald Heights communications tower site located at 1901<sup>7</sup>/<sub>8</sub> Woodland Parkway in the City of Escondido, San Diego County, California (attached Figure 1). This letter summarizes the methods, existing conditions, potential for presence of special-status plant and animal species at the project site, and recommended mitigation measures.

## METHODS

Prior to the on-site survey, LSA biologist Jaime Morales conducted a literature review and database records search to identify the existence or potential occurrence of special-status biological resources (e.g., plants, animals, and vegetation communities) in or within the vicinity of the study area. Special-status species are those that are federally and/or State-listed, proposed for listing, or candidate species; species listed as species of concern by the California Department of Fish and Wildlife (CDFW) Special Animals List (CDFG 2011) and Special Plants List (CDFG 2012); and/or those species categorized as having a California Rare Plant Ranking (CRPR) of 1B or 2 by the California Native Plant Society (CNPS).

Databases reviewed consisted of the following:

- California Natural Diversity Data Base (CNDDDB) information (Version 3.1.0, June 1, 2013), which is administered by the CDFW. This database covers special-status plant and animal species, as well as special-status natural communities that occur within California. Species information for the U.S. Geological Survey (USGS) 7.5-minute *San Marcos, California* topographic quadrangle was reviewed.
- CNPS, Rare Plant Program. 2014. Inventory of Rare and Endangered Plants (online edition, v8-02). California Native Plant Society, Sacramento, CA. Website <http://www.rareplants.cnps.org>. Accessed June 6, 2014.
- United States Fish and Wildlife Service, Information, Planning, and Conservation System. 2014. Environmental Conservation Online System. Website <http://ecos.fws.gov/ipac/>. Accessed June 6, 2014.

(5/13/2015) P:\MTL1501 - Emerald Heights\IS\_MND\Bio Analysis\Bio Resources General Reconnaissance Survey Report Final\_May 2015.Docx

Mr. Morales conducted the survey on June 6, 2014. He walked the entire study area and adjacent areas and documented general site conditions, vegetation communities occurring at the site, and the suitability of habitat for special-status species. Additionally, the boundaries of the different vegetation communities within the study area, as observed in the field, were mapped on an aerial photograph (scale of 1 inch = 30 feet), as shown in Figure 2.

## FINDINGS

### Literature Review

Based on the results of the literature review and database records search, the following special-status species have the potential to occur within the study area: San Diego thorn-mint (*Acanthomintha ilicifolia*), Parry's tetradococcus (*Tetradococcus dioicus*), summer holly (*Comarostaphylis diversifolia* ssp. *diversifolia*), Rainbow manzanita (*Arctostaphylos rainbowensis*), orange-throated whiptail (*Aspidoscelis hyperythra*), and coastal California gnatcatcher (*Polioptila californica californica*). All of the plant species are categorized by the CNPS as CRPR 1B. Coastal California gnatcatcher is federally listed as threatened and is considered a California Species of Special Concern by the CDFW. Orange-throated whiptail is considered a California Species of Special Concern by the CDFW.

### Vegetation

The study area consists of undeveloped land adjacent to a paved access road servicing nearby communications towers and aboveground water tanks. The majority of the study area consists of high-quality coastal sage scrub/chaparral mix habitat dominated by black sage (*Salvia mellifera*), felt-leaf yerba santa (*Eriodictyon crassifolium*), California sagebrush (*Artemisia californica*), coyote brush (*Baccharis pilularis*), and Eastwood's manzanita (*Arctostaphylos glandulosa*). Two small patches of disturbed land occur within the study area. Disturbed land was dominated by short-pod mustard (*Hirschfeldia incana*) and tocalote (*Centaurea melitensis*). The study area is further surrounded by undeveloped vacant lands to the north, east, and west, and residential development to the south. Table A displays the approximate area of each vegetation community present within the study area.

No special-status plant species were observed within the study area during the survey.

**Table A: Vegetation Communities within the Study Area**

Vegetation Communities	Acreage within Study Area
Coastal sage scrub/chaparral mix	0.077
Disturbed land	0.004
<b>Total Acres</b>	<b>0.081</b>

### Wildlife

Wildlife species detected within or in the vicinity of the study area include American crow (*Corvus brachyrhynchos*), Anna's hummingbird (*Calypte anna*), cliff swallow (*Petrochelidon pyrrhonota*),

house finch (*Carpodacus mexicanus*), mourning dove (*Zenaida macroura*), northern mockingbird (*Mimus polyglottos*), orange-throated whiptail (observed east of and adjacent to the study area in identical habitat), song sparrow (*Melospiza melodia*), western scrub-jay (*Aphelocoma californica*), and wrenit (*Chamaea fasciata*).

No special-status wildlife species, other than orange-throated whiptail, were detected during the survey. No nesting bird activity was observed in the study area or within the immediate vicinity. A pre-construction nesting bird survey should be conducted if the proposed work is scheduled to begin during the bird breeding season (January 1 to September 1). The coastal sage scrub/chaparral mix occurring within the study area is suitable to support coastal California gnatcatcher and orange-throated whiptail. Neither species was detected in the study area during the survey. The study area is located less than a mile southwest of critical habitat for the coastal California gnatcatcher, as shown in Figure 3.

### **Potentially Jurisdictional Waters**

There are no potentially jurisdictional waters within the study area.

### **CONCLUSION**

All project-related activities will be conducted from the existing paved access road and the impacts will be limited to the proposed impact area. Construction fencing should be installed to demarcate the limits of the impact area. Construction should be performed outside of the bird breeding season (January 1 to September 1). If construction during the bird breeding season cannot be avoided, then a pre-construction survey should be conducted by a qualified biologist no more than three days prior to the initiation of work. Due to the presence of orange-throated whiptail near the study area, a biological monitor should be present during vegetation-clearing activities to minimize the risk of harm to this species. Impacts to coastal sage scrub/chaparral habitat that occur within a Focused Planning Area (FPA) will require the purchase of mitigation credits from the Daley Ranch Conservation Bank or similarly suitable conservation bank pursuant to Table 5-2 of the Draft Escondido Subarea Plan. Furthermore, because the study area is located within an FPA and because the habitat is suitable to support coastal California gnatcatcher, a focused survey for this species will be required to determine its presence or absence within the study area. If the aforementioned minimization and avoidance measures are adhered to, the proposed project is not expected to result in impacts to special-status species.

Please do not hesitate to contact me at (760) 931-5471 if you have any questions or require further information.

Sincerely,

**LSA ASSOCIATES, INC.**

  
Jaime Morales  
Biologist

(5/13/2015) P:\MTL1501 - Emerald Heights\IS\_MND\Bio Analysis\Bio Resources General Reconnaissance Survey Report Final\_May 2015.Docx

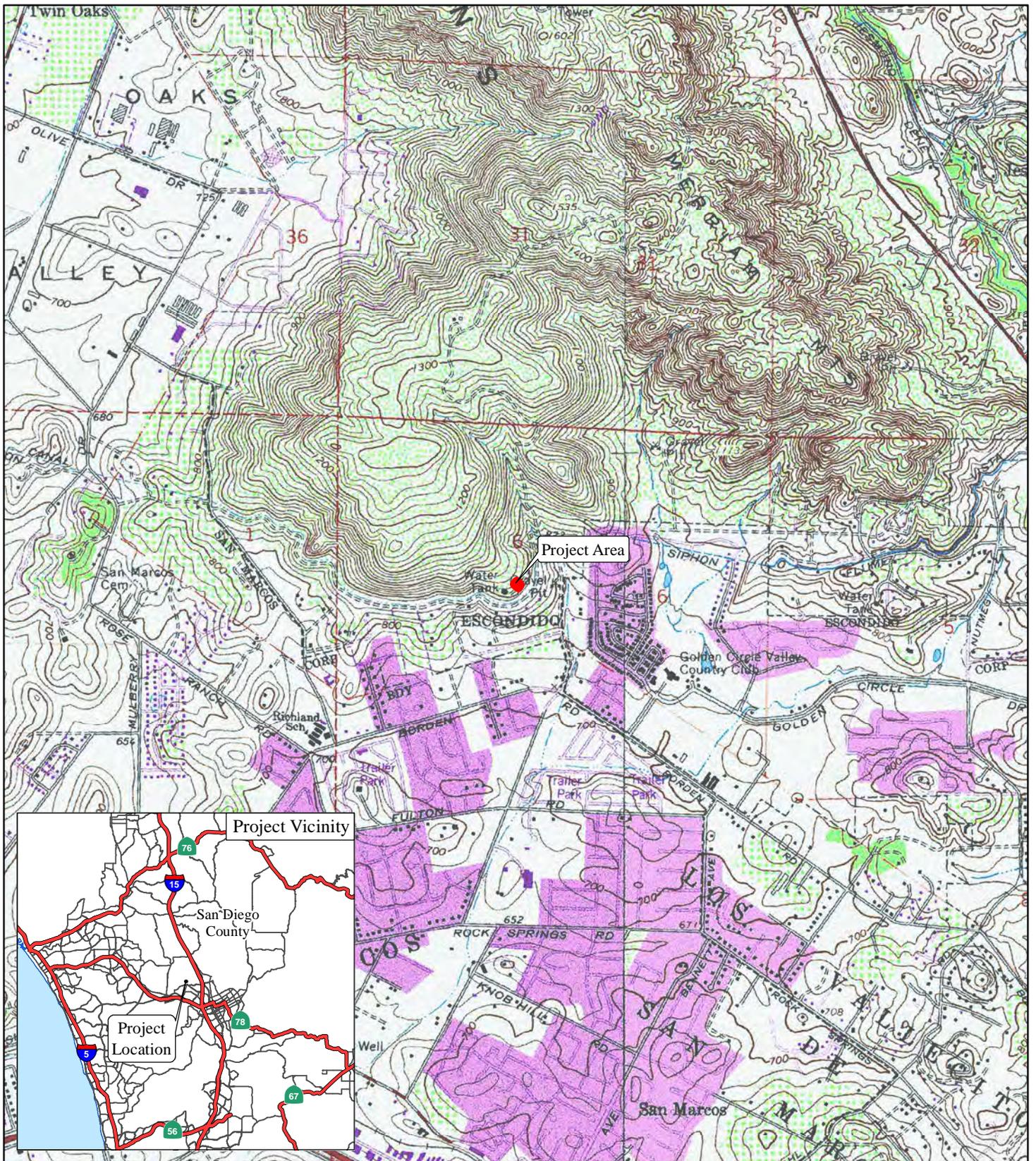


FIGURE 1

LSA

LEGEND

 Project Area



0 1000 2000  
FEET

SOURCE: LSA (2014); USGS 7.5' Quad. (San Marcos, 1983)

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*Emerald Heights Communications Tower Site Project*  
Project Location

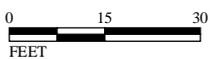


FIGURE 2

LSA

LEGEND

- Project Area
- Coastal sage scrub/chaparral: 0.077 acres
- Disturbed: 0.004 acres



SOURCE: LSA (2014)

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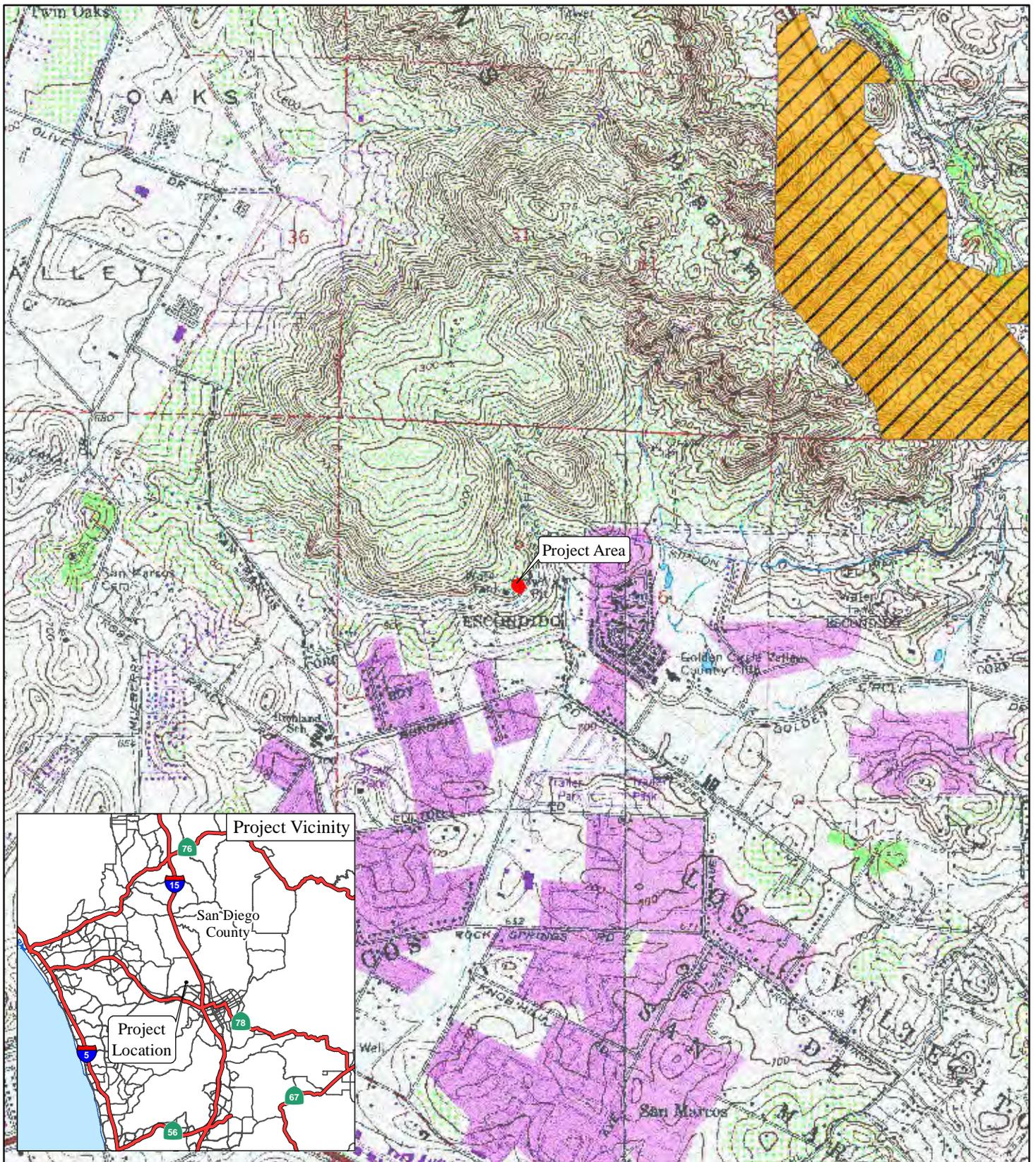


FIGURE 3

LSA

LEGEND

-  Project Area
-  Critical Habitat - Coastal California Gnatcatcher



0 1000 2000  
FEET

SOURCE: USGS 7.5' Quad. (San Marcos, 1983)

I:\CYG1402\GIS\CritHab.mxd (6/24/2014)

*Emerald Heights Communications Tower Site Project*  
Project Area and Critical Habitat

## **APPENDIX C**

# **PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEYS REPORT**

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LSA ASSOCIATES, INC.  
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PT. RICHMOND

RIVERSIDE  
ROCKLIN  
SAN LUIS OBISPO

April 13, 2015

Ms. Stacey Love  
Recovery Permit Coordinator  
Carlsbad Field Office  
U.S. Fish and Wildlife Service  
2177 Salk Avenue, Suite 250  
Carlsbad, CA 92008

Ms. Esther Burkett  
Senior Environmental Scientist  
Habitat Conservation Planning Branch  
California Department of Fish and Wildlife  
1416 9<sup>th</sup> Street, Suite 1341  
Sacramento, CA 93814

Subject: Protocol Coastal California Gnatcatcher Surveys for the Proposed Emerald Heights Communications Tower Site Project, City of San Marcos, San Diego County, California (LSA Project No. CYG1402A)

Dear Ms. Love and Ms. Burkett:

This letter report documents the results of three protocol surveys for coastal California gnatcatcher (CAGN; *Polioptila californica californica*) for the proposed Emerald Heights Communications Tower Site project located near 1700 Woodland Heights Glen in the City of San Marcos, San Diego County, California (Figure 1; all figures provided in Attachment A). The 0.08-acre project area is inside a gated hillside community north of El Norte Parkway in the coastal foothills along the southern portion of the Merriam Mountains, about 1.5 miles west of Interstate 15 (I-15) and 1.8 miles north of State Route 78 (SR-78).

During three weekly surveys conducted in March 2015, no CAGN were detected in the study area.

## STUDY AREA

The project area is located between two existing water tanks at the southern end of the Emerald Heights community and associated open space (Figures 1 and 2). The study area comprises the project area and a 500-foot buffer that extends beyond and around the two existing water tanks. Existing communication towers are present just north and south of the proposed project area. The study area included scrub habitat within the project area and a 500-foot survey buffer. Specifically, the study area occurs within Section 6, Township 12 South, Range 2 West in San Diego County as shown on the United States Geological Survey (USGS) *San Marcos, California* 7.5-minute quadrangle. Approximate latitude/longitude coordinates are X: -117.130722 by Y: 33.160474 with an elevation of approximately 920 feet above mean sea level.

Moderate to densely vegetated scrub and chaparral species occur in the study area, with riparian and ornamental tree species occurring along the study area boundaries. The study area is on a southern-facing steep slope, with two residential communities to the south and east, and residential developments within a mile to the west. Most of the northern portion of the survey area is continuous with vacant lands surrounding the gated Emerald Heights community. Currently, with the exception

of a few paved roads for servicing the water tanks and communication towers and some regrowth of cleared scrub north of the project area, the study area conditions appear undisturbed.

Native plant species dominate the black sage scrub habitat, including black sage (*Salvia mellifera*), bush monkey flower (*Mimulus aurantiacus*), California sagebrush (*Artemisia californica*), laurel sumac (*Malosma laurina*), yerba santa (*Eriodictyon californicum*), toyon (*Heteromeles arbutifolia*), and native understory species. Survey conditions are discussed in Table A.

**Table A: Coastal California Gnatcatcher Survey Dates and Weather Conditions**

Date	Time	Weather	Surveyor
March 16	0930–1030	Mostly clear, warm, calm winds	IQ
March 24	0815–0915	Mostly clear, mild-warm, calm winds	IQ
March 31	0830–0945	Partly cloudy, mild, calm winds	IQ

Surveyor: IQ = Ingri Quon

## METHODS

Prior to initiating surveys on March 16, 2015, a 15-day notification letter was sent via email to the United States Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife (CDFW). Ms. Ingri Quon conducted three protocol surveys at least 7 days apart pursuant to LSA Associates, Inc. Federal 10(a)(1)(A) Permit TE-77965-10 (March 22, 2013–March 21, 2017) and a CDFW attachment to Scientific Collecting Permit SC-000777, providing Conditions for Research on Listed Birds (November 29, 2012–January 31, 2017).

The three survey visits followed the Federal survey protocol and were conducted in a similar manner. Field access was good throughout the survey route. One route traversed openings between native vegetation on the northern half of the survey area, and the other route was walked on paved roads and road edges on the southern half (Figure 2). Taped CAGN vocalizations were played every 10 to 15 minutes or when moving into a new portion of the study area.

## RESULTS

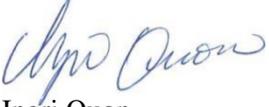
No CAGN were detected in the survey area (Figures 1 and 2). The habitat structure appears suitable, but mature California sagebrush (the plant species typically associated with CAGN) was limited in the survey area and immediate surroundings.

Brown-headed cowbirds (*Molothrus ater*), which is a brood parasite of CAGN and other birds, were not observed during any of the visits. A list of vertebrate animal species detected during the surveys is provided in Attachment B. The California Native Species Field Survey Form is provided in Attachment C.

If you have any questions, please feel free to contact me at (949) 553-0666.

Sincerely,

**LSA ASSOCIATES, INC.**

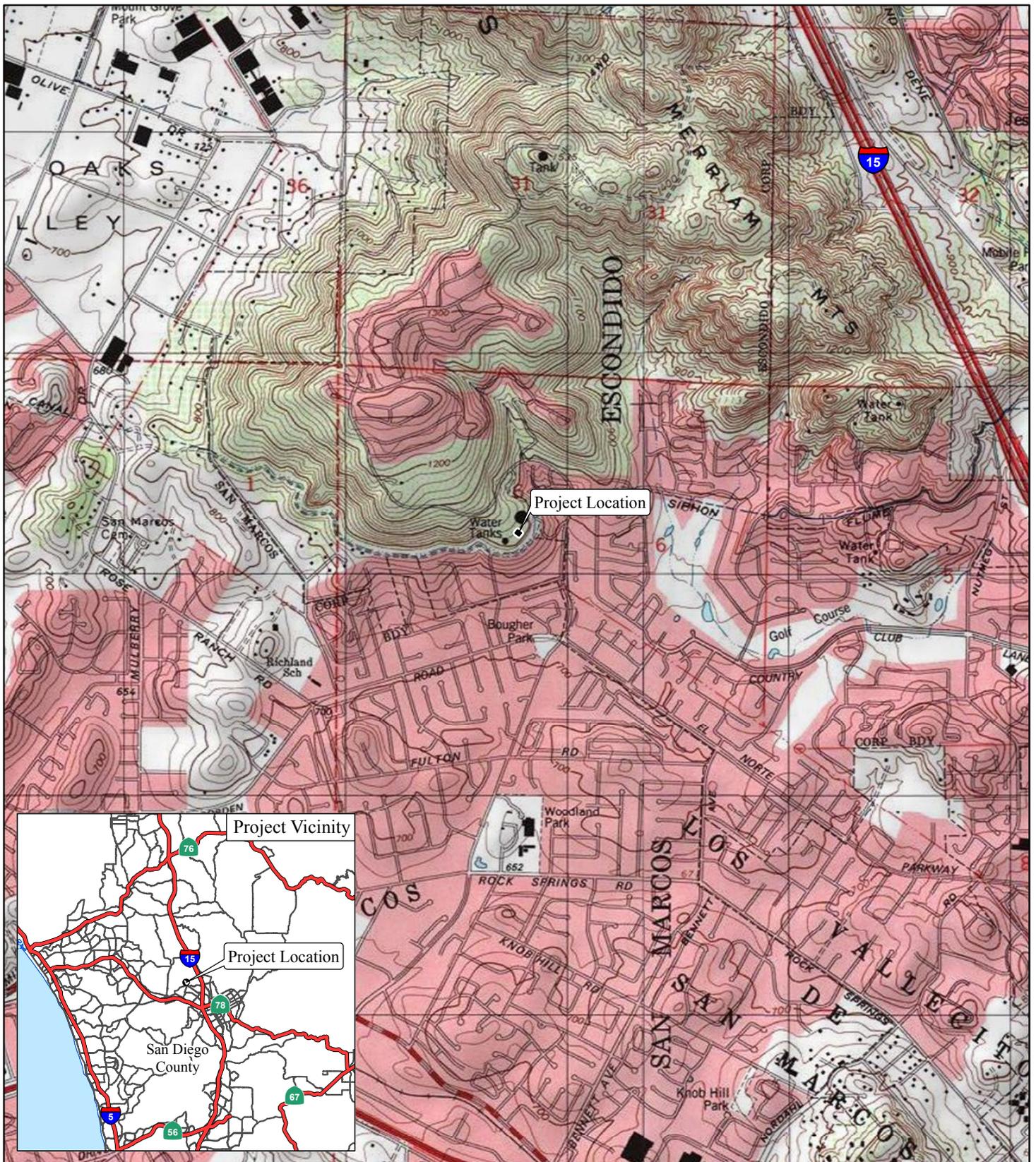
A handwritten signature in blue ink, appearing to read "Ingri Quon".

Ingri Quon  
Associate/Senior Biologist

Attachments:   A: Figures  
                  B: Animal Species Detected  
                  C: California Native Species Field Survey Form

## **ATTACHMENT A**

### **FIGURES**



LSA

LEGEND

■ Project Location



0 1000 2000  
FEET

SOURCE: USGS 7.5' Quad - San Marcos (1983), CA  
E:\CYG1402A\GIS\ProjectLocation.mxd (4/9/2015)

FIGURE 1

*Emerald Heights Communications Tower Site Project*  
Project Location



**A.** Northwest view of the centrally located proposed Verizon communication site showing black sage scrub habitat and existing communication towers on the right (fenced communication towers) and left (communication tower “tree”) sides of the photo. Existing water tanks are out of view to the right and left of the photo.



**B.** Southwest view from the proposed project area showing a big-eared woodrat (*Neotoma macrotis*) midden (house typically made of sticks) on a rock pile surrounded by black sage (*Salvia mellifera*) and yerba santa (*Eriodictyon californicum*) vegetation. This is a native rodent species common in the area and region. The communication tower “tree” is in the distance.

L S A

FIGURE 2

*Emerald Heights Communication Tower Site Project*  
 Representative Site Photos

## ATTACHMENT B

### ANIMAL SPECIES DETECTED

This is a list of the conspicuous reptiles, birds, and mammals noted in the study area by an LSA biologist in March 2015. Presence may be noted if a species is seen or heard, or identified by the presence of tracks, scat, or other signs.

\* Species not native to the study area

#### REPTILIA

##### Phrynosomatidae

*Sceloporus occidentalis*

#### AVES

##### Cathartidae

*Cathartes aura*

##### Accipitridae

*Circus cyaneus*

*Accipiter cooperii*

*Buteo jamaicensis*

##### Columbidae

\* *Streptopelia decaocto*

*Zenaida macroura*

##### Apodidae

*Aeronautes saxatilis*

##### Trochilidae

*Calypte anna*

*Selasphorus rufus*

*Selasphorus sasin*

##### Picidae

*Picoides nuttallii*

*Colaptes auratus*

#### REPTILES

##### Phrynosomatid Lizards

Western fence lizard

#### BIRDS

##### New World Vultures

Turkey vulture

##### Hawks, Kites, Eagles, and Allies

Northern harrier

Cooper's hawk

Red-tailed hawk

##### Pigeons and Doves

Eurasian collared-dove

Mourning dove

##### Swifts

White-throated swift

##### Hummingbirds

Anna's hummingbird

Rufous hummingbird

Allen's hummingbird

##### Woodpeckers and Allies

Nuttall's woodpecker

Northern flicker

**Corvidae**

*Aphelocoma californica*  
*Corvus brachyrhynchos*

**Aegithalidae**

*Psaltriparus minimus*

**Troglodytidae**

*Troglodytes aedon*  
*Thryomanes bewickii*

**Poliopitidae**

*Poliopitila caerulea*

**Sylviidae**

*Chamaea fasciata*

**Turdidae**

*Catharus guttatus*  
*Turdus migratorius*

**Mimidae**

*Toxostoma redivivum*  
*Mimus polyglottos*

**Parulidae**

*Oreothlypis celata*  
*Setophaga coronata*

**Emberizidae**

*Pipilo maculatus*  
*Melospiza crissalis*  
*Melospiza melodia*  
*Zonotrichia leucophrys*

**Icteridae**

*Quiscalus mexicanus*

**Fringillidae**

*Haemorhous mexicanus*  
*Spinus psaltria*  
*Spinus tristis*

**Passeridae**

\* *Passer domesticus*

**Crows and Jays**

Western scrub-jay  
American crow

**Long-Tailed Tits and Bushtits**

Bushtit

**Wrens**

House wren  
Bewick's wren

**Gnatcatchers and Gnatwrens**

Blue-gray gnatcatcher

**Sylviid Warblers**

Wrentit

**Thrushes**

Hermit thrush  
American robin

**Mockingbirds and Thrashers**

California thrasher  
Northern mockingbird

**Wood Warblers**

Orange-crowned warbler  
Yellow-rumped warbler

**Emberizids**

Spotted towhee  
California towhee  
Song sparrow  
White-crowned sparrow

**Blackbirds**

Great-tailed grackle

**Fringilline and Cardueline Finches and**

**Allies**

House finch  
Lesser goldfinch  
American goldfinch

**Old World Sparrows**

House sparrow

## MAMMALIA

### Cricetidae

*Neotoma macrotis*

### Leporidae

*Sylvilagus audubonii*

### Felidae

*Lynx rufus*

### Canidae

*Canis latrans*

## MAMMALS

### Hamsters, Voles, Lemmings, and New World Rats and Mice

Big-eared woodrat

### Rabbits and Hares

Audubon's cottontail

### Cats

Bobcat

### Foxes, Wolves, and Allies

Coyote

Taxonomy and nomenclature are based primarily on the following:

- **Amphibians and Reptiles:** Crother, B.I. ed. (2012, Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico. Herpetological Circular 39) for species taxonomy and nomenclature; Stebbins, R.C., and S.M. McGinnis (2012, Field Guide to Amphibians and Reptiles of California, Revised Edition, University of California Press, Berkeley) for sequence and higher order taxonomy.
- **Birds:** American Ornithologists' Union (1998, The A.O.U. Checklist of North American Birds, Seventh Edition, American Ornithologists' Union, Washington, D.C.; and supplements; see <http://www.aou.org/checklist/north/index.php>).
- **Mammals:** Wilson, D.E., and D.M. Reeder, eds. (2005, Mammal Species of the World, Third Edition, Johns Hopkins University Press, Baltimore, Maryland; see <http://www.vertebrates.si.edu/msw/mswcfapp/msw/index.cfm>).

## **ATTACHMENT C**

# **CALIFORNIA NATIVE SPECIES FIELD SURVEY FORM**

Mail to:  
California Natural Diversity Database  
California Dept. of Fish & Wildlife  
1807 13<sup>th</sup> Street, Suite 202  
Sacramento, CA 95811  
Fax: (916) 324-0475 email: CNDDDB@wildlife.ca.gov

*For Office Use Only*

Source Code: \_\_\_\_\_ Quad Code: \_\_\_\_\_  
Elm Code: \_\_\_\_\_ Occ No.: \_\_\_\_\_  
EO Index: \_\_\_\_\_ Map Index: \_\_\_\_\_

**Date of Field Work (mm/dd/yyyy):** 03/31/2015

**California Native Species Field Survey Form**

Clear Form Print Form

**Scientific Name:** *Polioptila californica californica*

**Common Name:** coastal California gnatcatcher

**Species Found?**  Yes  No \_\_\_\_\_ If not found, why? \_\_\_\_\_

Total No. Individuals: \_\_\_\_\_ Subsequent Visit?  Yes  No

**Is this an existing NDDDB occurrence?** \_\_\_\_\_  No  Unk.  
Yes, Occ. # \_\_\_\_\_

Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

**Reporter:** Inгри Quon

**Address:** 20 Executive Park, Suite 200  
Irvine, CA 92614

**E-mail Address:** INGRI.QUON@LSA-ASSOC.COM

**Phone:** 949-553-0666

**Plant Information**

Phenology:  
\_\_\_\_\_ % vegetative \_\_\_\_\_ % flowering \_\_\_\_\_ % fruiting

**Animal Information**

\_\_\_\_\_ # adults \_\_\_\_\_ # juveniles \_\_\_\_\_ # larvae \_\_\_\_\_ # egg masses \_\_\_\_\_ # unknown

wintering  breeding  nesting  rookery  burrow site  lek  other

**Location Description (please attach map AND/OR fill out your choice of coordinates, below)**  
USFWS map attached to report.  
1.5 miles west of I-15 and 1.8 miles north of SR-78

County: San Diego Landowner / Mgr: Verizon Wireless (lease)

Quad Name: San Marcos Elevation: 920 ft

T 12S R 2W Sec 6, \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4, Meridian: H  M  S  Source of Coordinates (GPS, topo. map & type): \_\_\_\_\_

T \_\_\_\_\_ R \_\_\_\_\_ Sec \_\_\_\_\_, \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4, Meridian: H  M  S  GPS Make & Model: \_\_\_\_\_

**DATUM:** NAD27  NAD83  WGS84  Horizontal Accuracy: 50 ft \_\_\_\_\_ meters/feet

Coordinate System: UTM Zone 10  UTM Zone 11  OR Geographic (Latitude & Longitude)

Coordinates: X: -117.130722 by Y: 33.160474

**Habitat Description (plants & animals)** *plant communities, dominants, associates, substrates/soils, aspects/slope:*

**Animal Behavior** *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

South-facing hillside with high quality black sage scrub with a few scattered laurel sumac and toyon. Mature, nonnative trees (Eucalyptus spp.), pines, and California pepper trees surround nearby water tanks. Contiguous with similar habitat especially to the north open land area. Structurally very good for CAGN, but limited amount of California sagebrush.

Overall, avian diversity and activity was high.

Please fill out separate form for other rare taxa seen at this site. N/A

**Site Information** Overall site/occurrence quality/viability (site + population):  Excellent  Good  Fair  Poor

Immediate AND surrounding land use: residential, open land, water tanks, communication (cell) towers

Visible disturbances: dog walkers on paved road; limited amount of nonnative species

Threats: development (most of area is open land)

Comments: Protocol CAGN surveys: March 16, 24, and 31.

**Determination:** (check one or more, and fill in blanks)

Keyed (cite reference): \_\_\_\_\_

Compared with specimen housed at: \_\_\_\_\_

Compared with photo / drawing in: \_\_\_\_\_

By another person (name): \_\_\_\_\_

Other: Permitted biologist.

**Photographs:** (check one or more)

	Slide	Print	Digital
Plant / animal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diagnostic feature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense?  yes  no

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## **APPENDIX D**

### **CULTURAL RESOURCES ASSESSMENT CLASS III INVENTORY**

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**CULTURAL RESOURCE ASSESSMENT  
CLASS III INVENTORY**

**VERIZON WIRELESS SERVICES**

**EMERALD HEIGHTS FACILITY**

**CITY OF ESCONDIDO, COUNTY OF SAN DIEGO, CALIFORNIA**

**LSA**

September 2014

# CULTURAL RESOURCE ASSESSMENT CLASS III INVENTORY

VERIZON WIRELESS SERVICES  
EMERALD HEIGHTS FACILITY  
CITY OF ESCONDIDO, COUNTY OF SAN DIEGO, CALIFORNIA

Submitted to:

Bureau Veritas North America, Inc.  
1665 Scenic Avenue, Suite 200  
Costa Mesa, California 92626

Prepared by:

Phil Fulton and Casey Tibbet, MA, RPH  
LSA Associates, Inc.  
20 Executive Park, Suite 200  
Irvine, California 92614-4731  
(949) 553-0666

Project No. CYG530

**National Archaeological Data Base (NADB)**

*Type of Study:* Records Search, Field Survey

*Area Covered:* < 0.25 acre

*Sites Recorded:* None

*USGS Quadrangle:* San Marcos, California 7.5'

LSA

September 2014

## INTRODUCTION

LSA Associates, Inc. (LSA) is under contract to Bureau Veritas North America, Inc., to provide a cultural resource assessment for the Verizon Wireless Services Emerald Heights Facility, located at 1901 7/8 Woodland Parkway in the City of Escondido, in the County of San Diego (County), California. Specifically, the facility is located in Section 6 of Township 12 South, Range 2 West, San Bernardino Baseline and Meridian, and is depicted on the United States Geological Survey (USGS) *San Marcos, California*, 7.5-minute topographic quadrangle map. Refer to Attachment 4 of the “New Tower Submission Packet, Form 620” for maps showing the location of the Emerald Heights Facility.

The assessment was conducted to identify historic properties (prehistoric or historic sites, buildings, structures, objects, or districts listed in, or eligible for listing in, the National Register of Historic Places [National Register]) as required by 36 Code of Federal Regulations (CFR) Part 800, the regulations implementing Section 106 of the National Historic Preservation Act of 1966, as amended. The assessment was also conducted under the requirements of the Nationwide Programmatic Agreement for the Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission of September 2004 (PA). All work was performed under the responsible charge of Roderic McLean, MA, RPA, and Casey Tibbet, MA, RPH.

The project area parcel is occupied with two water tanks and telecommunication equipment on a portion of the 71.77-acre parcel. The proposed lease area is located between the two water tanks along an asphalt-paved access road. Access to the site is from the north via Woodland Parkway, a paved access road. The site and proposed lease area were unimproved land from at least 1893 until sometime prior to 1964, when the western water tank was constructed. The northeastern water tank was constructed sometime prior to 1990. No natural water features are located in proximity to the project area. Photographs of the project location and surrounding area can be found in Attachment 3 of the “New Tower Submission Packet, Form 620.” Site plans are included in Attachment 4 of the “New Tower Submission Packet, Form 620.”

The proposed action consists of installing a total of 12 panel antennas (3 sectors, 4 antennas per sector) and 12 remote radio units (RRUs) (3 sectors, 4 RRUs per sector) mounted on a new 40-foot (ft) tall stealth structure/eucalyptus tree. The proposed action also includes the installation of three Verizon Wireless E/911 global positioning system antennas and one microwave dish. A new split-face concrete block equipment shelter will be installed on a concrete pad. The equipment shelter will contain equipment cabinets and a 10-kilowatt (kW) enclosed emergency generator with an associated 55-gallon subbase diesel fuel tank. Telco will originate from an existing AT&T telco pull box located approximately 150 ft from the proposed lease area. Power will originate from an existing transformer (No. D131186-183-182) located approximately 520 ft from the proposed lease area. A new 200-amp electrical meter pedestal and three bollards will be installed adjacent to the transformer. Ground surfaces to be disturbed include dirt, landscaped areas, and concrete- and asphalt-covered areas. The direct Area of Potential Effects (APE) includes the area where ground-disturbing activities will occur and the stealth structure/eucalyptus tree where the antennas will be located. Per the PA, the APE for visual effects is the geographic area in which the undertaking has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a historic property that makes it eligible for listing on the National Register. Per the PA, the APE for visual effects for towers 200 ft or less in height is presumed to be 0.5 mile (mi).

## METHODS

A records search conducted at the South Coastal Information Center located at San Diego State University included a review of all recorded historic and prehistoric archaeological sites as well as a review of known cultural resource survey and excavation reports within a 0.5 mi radius of the facility. In addition, LSA examined the National Register, the California Register of Historical Resources (California Register), the California State Historical Resources Inventory (HRI), California Historical Landmarks (CHL), and the California Points of Historical Interest (PHI).

LSA architectural historian Casey Tibbet, MA, RPH, evaluated the proposed action for effects to any historic properties in the indirect APE. On August 6, 2014, an archaeological survey of the APE was conducted by LSA archaeologist Phil Fulton. During the field survey, the direct APE was surveyed by walking parallel transects spaced approximately 5 ft apart. The survey was documented with field notes and photographs. While development on the parcel began in approximately 1964, an architectural survey was not conducted. Per the PA, applicants shall identify historic properties within the APE for visual effects by reviewing the following records. With respect to these properties, applicants are not required to undertake a field survey or other measures other than reviewing these records in order to identify Historic Properties, which include the following:

1. i. Properties listed in the National Register
2. ii. Properties formally determined eligible for listing by the Keeper of the National Register
3. iii. Properties that the State Historic Preservation Officer/Tribal Historic Preservation Officer (SHPO/THPO) certifies are in the process of being nominated to the National Register
4. iv. Properties previously determined eligible as part of a consensus determination of eligibility between the SHPO/THPO and a federal agency or local government representing the Department of Housing and Urban Development (HUD)
5. v. Properties listed in the SHPO/THPO Inventory that the SHPO/THPO has previously evaluated and found to meet the National Register criteria, and that are identified accordingly in the SHPO/THPO Inventory

Any structures present on the parcel are not historic properties per the PA criteria, and no consideration of visual effects to any of the buildings is required.

## RESULTS

The results of the records search indicate there is one prehistoric archaeological site (CA-SDI-5355) recorded within 0.5 mi of the facility. There are four historic resources (CA-SDI-5364, CA-SDI-5368, CA-SDI-12535H, and 37-030889) recorded within 0.5 mi of the facility. There is one isolated find consisting of a single fragment of marine shell recorded within 0.5 mi of the facility. The nearest prehistoric resource (CA-SDI-5355) is located approximately 0.1 mi north of the facility and is described as fragments of quartzite with no evidence of deposition (Van Camp 1977). The nearest historic resource (37-030889) is the Vista Irrigation Bench Flumes located approximately 150 ft south of the facility. This resource has been evaluated as eligible for the National Register (Van Wormer 2009) although there does not appear to be State Historic Preservation Officer concurrence with the evaluation. None of the other resources have been evaluated for the National Register. There are no

properties listed on the National Register, the California Register, the HRI, the CHL, or the PHI within 0.5 mi of the facility. No properties are listed in the Historic Properties Directory that match the address of the Emerald Heights Facility. Ten cultural resource reports have been completed within 0.5 mi of the project area, none of which included a field survey of the current APE. Two of these studies (Bonner and Aislin-Kay 2007; Loftus 2012) were conducted for the other wireless facilities that are located on the property and adjacent to the current APE. Both of these studies were negative for cultural resources.

No cultural resources were identified during the field survey. Ground visibility during the survey was excellent. Both the lease area and the trench routes are located in areas that have been graded into bedrock. According to Kennedy et al. (2007), the surface geology of the direct APE consists of tonalite bedrock. As such, any archaeological remains should be located on or near the ground surface, and buried archaeological resources would not be expected.

In summary, one historic property (37-030889) was identified in the records search within 0.5 mi of the proposed facility.

## IMPACTS ANALYSIS

In accordance with 36 CFR Part 800, LSA has assessed the effects of this Verizon facility on any historic properties. No historic properties have been identified in the direct APE. One historic property (37-030889) has been identified in the indirect APE. LSA architectural historian Casey Tibbet evaluated the proposed action, and there will be no effect to the historic property in the indirect APE. Therefore, the results of LSA's assessment indicate that no historic properties will be affected by the installation of the Emerald Heights Facility. The surface geology of the direct APE is described as tonalite bedrock (Kennedy et al. 2007). As such, any archaeological remains should be located on or near the ground surface, and buried archaeological resources would not be expected. The field survey documented that the direct APE has been graded into bedrock. Based on the negative results of the field survey and the geology of the area, the direct APE is not considered sensitive for historic or prehistoric archaeological resources. The parcel is already developed with a modern water tank and existing wireless facilities; therefore, the addition of the Verizon facility will not significantly alter the existing visual setting of the area. The facility is designed as a stealth structure/eucalyptus tree that will blend into the existing visual setting, and there will be no visual impacts to any historic properties. No further archaeological studies or monitoring are recommended.

If human remains are encountered, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to State Public Resources Code Section 5097.98. The County Coroner must be notified of the find. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery and shall complete the inspection within 48 hours of being granted access to the site. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials. If cultural materials are discovered during any excavation, a qualified archaeologist should be notified to assess the significance of such material.

## REFERENCES

Bonner, Wayne H., and Marnie Aislin-Kay

- 2007 Cultural Resource Records Search and Site Visit Results for T-Mobile Telecommunications Facility Candidate SD07131A (Escondido Highlands), APN 187-720-21 Woodland Heights Glen, Escondido, San Diego County, California. On file at South Coastal Information Center, San Diego State University.

Kennedy, M.P., S.S. Tan, K.R. Bovard, R.M. Alvarez, M.J. Watson, and C.I. Gutierrez

- 2007 Geologic Map of the Oceanside 30' x 60' Quadrangle, California. California Geologic Survey.

Loftus, Shannon

- 2012 Cultural Resource Records Search and Site Survey, AT&T Site NS0330, LTE Optimal Escondido Highlands, 1901 7/8 Woodland Parkway, Escondido, San Diego County, California 92026. On file at South Coastal Information Center, San Diego State University.

Van Camp, Gina R.

- 1977 Archaeological Survey Field Observations Site Data for CA-SDI-5355. On file at the South Coastal Information Center, San Diego State University.

Van Wormer, Stephan R.

- 2009 Building, Structure, and Object Record for 37-030889. On file at the South Coastal Information Center, San Diego State University.

## **APPENDIX E**

### **ENVIRONMENTAL DATA RESOURCES INC. RADIUS MAP REPORT**

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**Emerald Heights Communications Tower Project**

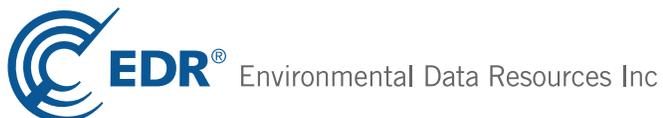
1901 7/8 Woodland Parkway

San Marcos, CA 92069

Inquiry Number: 4263616.2s

April 14, 2015

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1901 7/8 WOODLAND PARKWAY  
SAN MARCOS, CA 92069

#### COORDINATES

Latitude (North): 33.1613000 - 33° 9' 40.68"  
Longitude (West): 117.1311000 - 117° 7' 51.96"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 487775.2  
UTM Y (Meters): 3668984.8  
Elevation: 917 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-B2 SAN MARCOS, CA  
Most Recent Revision: 1996  
  
East Map: 33117-B1 VALLEY CENTER, CA  
Most Recent Revision: 2000

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120519  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 1901 7/8 WOODLAND PARKWAY  
 SAN MARCOS, CA 92069

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">1</a>	PACIFIC TRADITION HO	1832 BOUGHER	HIST CORTESE, LUST	Lower	1391, 0.263, SSE
<a href="#">A2</a>	AMERICAN GOLF CORPOR	1800 COUNTRY CLUB	HIST CORTESE, LUST, SWEEPS UST, San Diego Co...	Lower	2601, 0.493, SE
<a href="#">A3</a>	AMERICAN GOLF CORPOR	1800 COUNTRY CLUB LN	LUST	Lower	2601, 0.493, SE
<a href="#">4</a>	BENTON BURN DUMP	END OF STILL WATER G	ENVIROSTOR	Lower	3607, 0.683, ENE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

## EXECUTIVE SUMMARY

LUCIS..... Land Use Control Information System

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

### **State- and tribal - equivalent NPL**

RESPONSE..... State Response Sites

### **State and tribal landfill and/or solid waste disposal site lists**

SWF/LF..... Solid Waste Information System

### **State and tribal leaking storage tank lists**

SLIC..... Statewide SLIC Cases

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### **State and tribal registered storage tank lists**

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

### **State and tribal voluntary cleanup sites**

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

US BROWNFIELDS..... A Listing of Brownfields Sites

### **Local Lists of Landfill / Solid Waste Disposal Sites**

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

WMUDS/SWAT..... Waste Management Unit Database

### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

Toxic Pits..... Toxic Pits Cleanup Act Sites

CDL..... Clandestine Drug Labs

San Diego Co. HMMD..... Hazardous Materials Management Division Database

## EXECUTIVE SUMMARY

US HIST CDL..... National Clandestine Laboratory Register

### **Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database  
HIST UST..... Hazardous Substance Storage Container Database  
SWEEPS UST..... SWEEPS UST Listing

### **Local Land Records**

LIENS 2..... CERCLA Lien Information  
LIENS..... Environmental Liens Listing  
DEED..... Deed Restriction Listing

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
CHMIRS..... California Hazardous Material Incident Report System  
LDS..... Land Disposal Sites Listing  
MCS..... Military Cleanup Sites Listing  
SPILLS 90..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database  
FINDS..... Facility Index System/Facility Registry System  
RAATS..... RCRA Administrative Action Tracking System  
RMP..... Risk Management Plans  
CA BOND EXP. PLAN..... Bond Expenditure Plan  
NPDES..... NPDES Permits Listing  
UIC..... UIC Listing  
Cortese..... "Cortese" Hazardous Waste & Substances Sites List  
CUPA Listings..... CUPA Resources List  
Notify 65..... Proposition 65 Records  
DRYCLEANERS..... Cleaner Facilities  
WIP..... Well Investigation Program Case List  
ENF..... Enforcement Action Listing  
HAZNET..... Facility and Manifest Data

## EXECUTIVE SUMMARY

EML.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
MWMP.....	Medical Waste Management Program Listing
WDS.....	Waste Discharge System
Financial Assurance.....	Financial Assurance Information Listing
PROC.....	Certified Processors Database
HWT.....	Registered Hazardous Waste Transporter Database
HWP.....	EnviroStor Permitted Facilities Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
2020 COR ACTION.....	2020 Corrective Action Program List
PRP.....	Potentially Responsible Parties
LEAD SMELTERS.....	Lead Smelter Sites
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat.....	EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### *State- and tribal - equivalent CERCLIS*

## EXECUTIVE SUMMARY

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 03/11/2015 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BENTON BURN DUMP Facility Id: 37990004 Status: Refer: Other Agency	END OF STILL WATER G	ENE 1/2 - 1 (0.683 mi.)	4	15

### ***State and tribal leaking storage tank lists***

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 03/13/2015 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>PACIFIC TRADITION HO</i></b> Global Id: T0607300799 Case Number: 9UT2023 Closed Date: 6/29/94 Status: Completed - Case Closed Status: Case Closed	<b><i>1832 BOUGHER</i></b>	<b><i>SSE 1/4 - 1/2 (0.263 mi.)</i></b>	<b><i>1</i></b>	<b><i>8</i></b>
<b><i>AMERICAN GOLF CORPOR</i></b> Global Id: T0607300534 Global Id: T0607300665 Case Number: 9UT1737 Closed Date: 5/30/91 Status: Completed - Case Closed Status: Case Closed	<b><i>1800 COUNTRY CLUB</i></b>	<b><i>SE 1/4 - 1/2 (0.493 mi.)</i></b>	<b><i>A2</i></b>	<b><i>10</i></b>
AMERICAN GOLF CORPOR Case Number: 9UT1883 Closed Date: 5/30/91 Status: Case Closed	1800 COUNTRY CLUB LN	SE 1/4 - 1/2 (0.493 mi.)	A3	15

## EXECUTIVE SUMMARY

SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there is 1 SAN DIEGO CO. SAM site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AMERICAN GOLF CORPOR</b> Facility Status: Closed Case Case Number: H20340-001 Case Number: H20340-002	<b>1800 COUNTRY CLUB</b>	<b>SE 1/4 - 1/2 (0.493 mi.)</b>	<b>A2</b>	<b>10</b>

### ADDITIONAL ENVIRONMENTAL RECORDS

#### **Other Ascertainable Records**

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

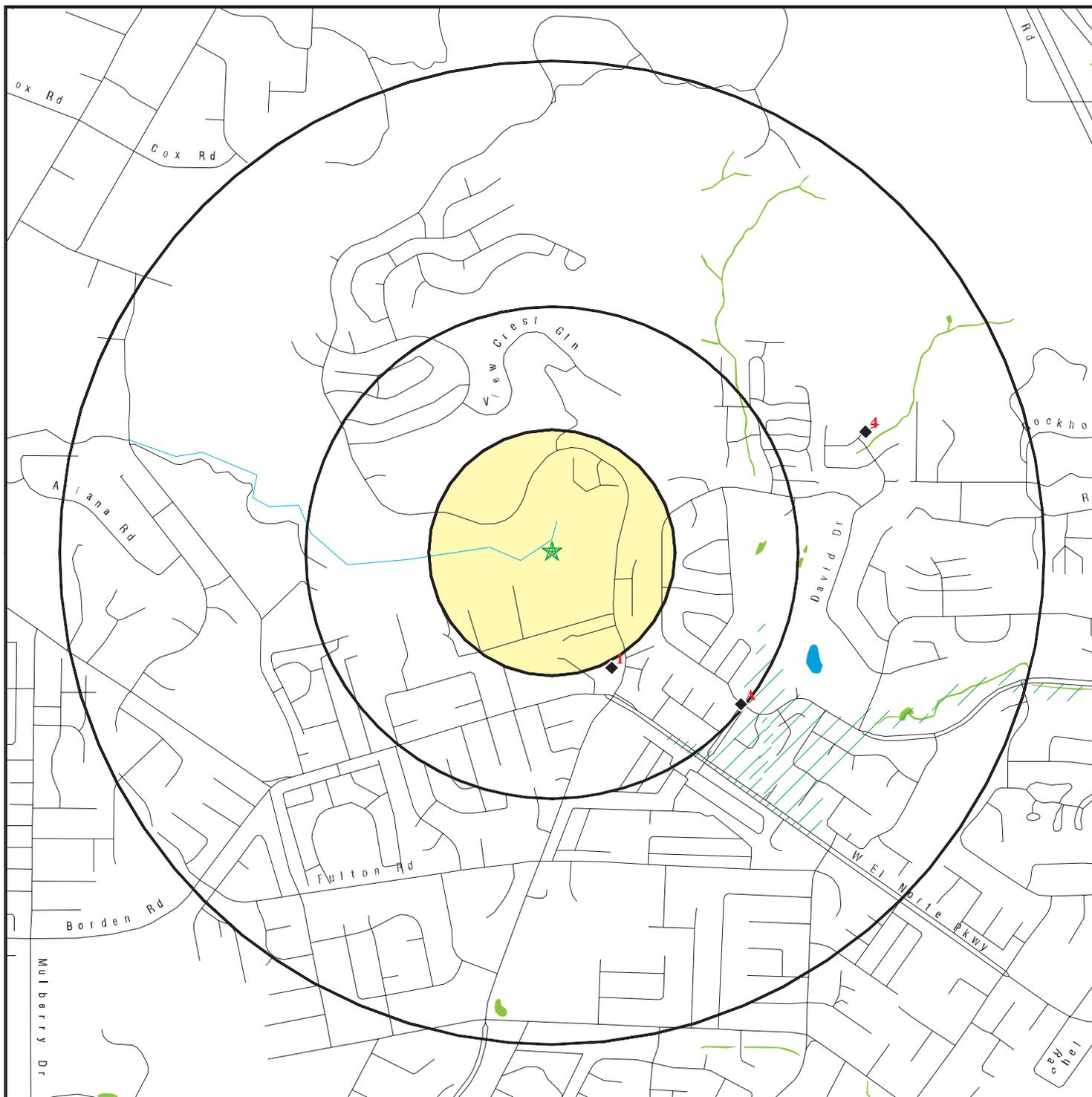
A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PACIFIC TRADITION HO</b> Reg Id: 9UT2023	<b>1832 BOUGHER</b>	<b>SSE 1/4 - 1/2 (0.263 mi.)</b>	<b>1</b>	<b>8</b>
<b>AMERICAN GOLF CORPOR</b> Reg Id: 9UT1883 Reg Id: 9UT1737	<b>1800 COUNTRY CLUB</b>	<b>SE 1/4 - 1/2 (0.493 mi.)</b>	<b>A2</b>	<b>10</b>

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 4263616.2S



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

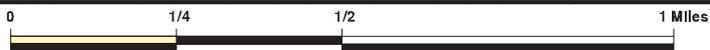
■ Oil & Gas pipelines from USGS

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ Areas of Concern

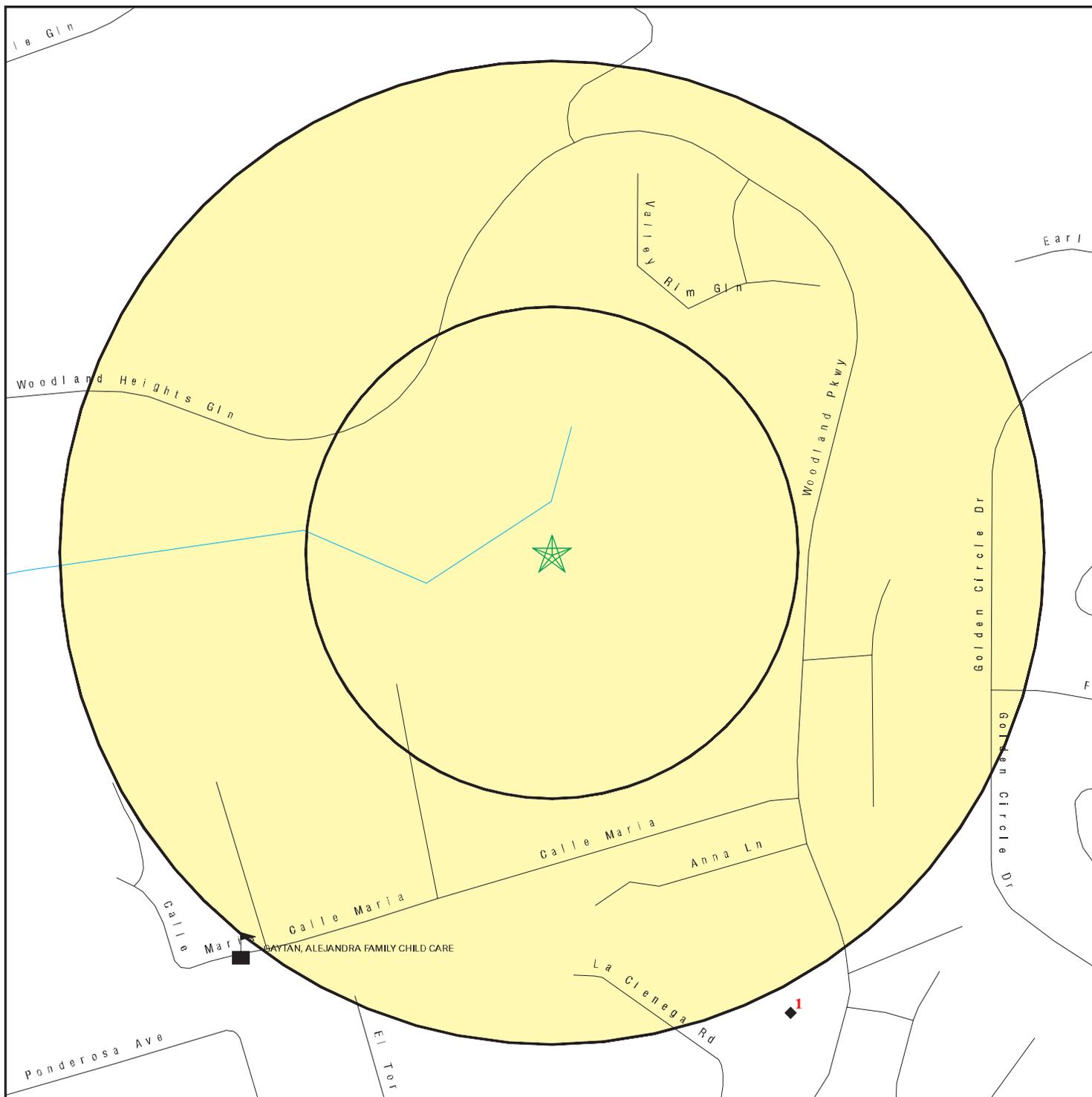


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Emerald Heights Communications Tower Project  
 ADDRESS: 1901 7/8 Woodland Parkway  
 San Marcos CA 92069  
 LAT/LONG: 33.1613 / 117.1311

CLIENT: LSA Associates  
 CONTACT: Laurel Frakes  
 INQUIRY #: 4263616.2s  
 DATE: April 14, 2015 1:52 pm

# DETAIL MAP - 4263616.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Emerald Heights Communications Tower Project  
 ADDRESS: 1901 7/8 Woodland Parkway  
 San Marcos CA 92069  
 LAT/LONG: 33.1613 / 117.1311

CLIENT: LSA Associates  
 CONTACT: Laurel Frakes  
 INQUIRY #: 4263616.2s  
 DATE: April 14, 2015 1:58 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	1	NR	1
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	3	NR	NR	3

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
SAN DIEGO CO. SAM	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
San Diego Co. HMMMD	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	2	NR	NR	2
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	6	1	0	7

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1  
SSE  
1/4-1/2  
0.263 mi.  
1391 ft.

**PACIFIC TRADITION HOMES**  
**1832 BOUGHER**  
**ESCONDIDO RD, CA 92025**

**HIST CORTESE** **S100732394**  
**LUST** **N/A**

**Relative:**  
**Lower**

HIST CORTESE:  
Region: CORTESE  
Facility County Code: 37  
Reg By: LTNKA  
Reg Id: 9UT2023

**Actual:**  
**735 ft.**

LUST:  
Region: STATE  
Global Id: T0607300799  
Latitude: 33.1111185  
Longitude: -117.0711151  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 06/29/1994  
Lead Agency: SAN DIEGO COUNTY LOP  
Case Worker: Not reported  
Local Agency: Not reported  
RB Case Number: 9UT2023  
LOC Case Number: H22843-001  
File Location: Local Agency  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Status History:  
Global Id: T0607300799  
Status: Completed - Case Closed  
Status Date: 06/29/1994  
  
Global Id: T0607300799  
Status: Open - Case Begin Date  
Status Date: 01/10/1991

Regulatory Activities:  
Global Id: T0607300799  
Action Type: Other  
Date: 05/10/1991  
Action: Leak Began  
  
Global Id: T0607300799  
Action Type: Other  
Date: 05/10/1991  
Action: Leak Discovery  
  
Global Id: T0607300799  
Action Type: Other  
Date: 01/10/1991  
Action: Leak Stopped  
  
Global Id: T0607300799  
Action Type: ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC TRADITION HOMES (Continued)**

**S100732394**

Date: 05/13/1991  
Action: Notice of Responsibility  
  
Global Id: T0607300799  
Action Type: Other  
Date: 05/10/1991  
Action: Leak Reported

**LUST REG 9:**

Region: 9  
Status: Case Closed  
Case Number: 9UT2023  
Local Case: H22843-001  
Substance: Gasoline  
Qty Leaked: Not reported  
Abate Method: Vent Soil - bore holes in soil to allow volatilization of contaminants  
Local Agency: San Diego  
How Found: Tank Closure  
How Stopped: Close Tank  
Source: Unknown  
Cause: Unknown  
Lead Agency: Local Agency  
Case Type: Aquifer affected  
Date Found: 05/10/1991  
Date Stopped: 05/10/1991  
Confirm Date: / /  
Submit Workplan: 5/20/91  
Prelim Assess: / /  
Desc Pollution: Not reported  
Remed Plan: / /  
Remed Action: Not reported  
Began Monitor: Not reported  
Release Date: 05/10/1991  
Enforce Date: Not reported  
Closed Date: 6/29/94  
Enforce Type: Not reported  
Pilot Program: LOP  
Basin Number: 904.62  
GW Depth: >10  
Beneficial Use: Municipal groundwater use  
NPDES Number: Not reported  
Priority: 2B  
File Dispn: File discarded, case closed  
Interim Remedial Actions: Yes  
Cleanup and Abatement order Number: Not reported  
Waste Discharge Requirement Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A2**      **AMERICAN GOLF CORPORATION**  
**SE**      **1800 COUNTRY CLUB**  
**1/4-1/2**      **ESCONDIDO, CA 92026**  
**0.493 mi.**  
**2601 ft.**      **Site 1 of 2 in cluster A**

**HIST CORTESE**      **S102429270**  
**LUST**      **N/A**  
**SWEEPS UST**  
**San Diego Co. HMMD**  
**SAN DIEGO CO. SAM**

**Relative:**      HIST CORTESE:  
**Lower**      Region:      CORTESE  
                 Facility County Code:      37  
**Actual:**      Reg By:      LTNKA  
**720 ft.**      Reg Id:      9UT1883

                 Region:      CORTESE  
                 Facility County Code:      37  
                 Reg By:      LTNKA  
                 Reg Id:      9UT1737

**LUST:**  
Region:      STATE  
Global Id:      T0607300534  
Latitude:      33.1567652  
Longitude:      -117.1243498  
Case Type:      LUST Cleanup Site  
Status:      Completed - Case Closed  
Status Date:      06/01/1991  
Lead Agency:      SAN DIEGO COUNTY LOP  
Case Worker:      Not reported  
Local Agency:      Not reported  
RB Case Number:      9UT1737  
LOC Case Number:      H20340-001  
File Location:      Local Agency  
Potential Media Affect:      Soil  
Potential Contaminants of Concern:      Gasoline  
Site History:      Not reported

[Click here to access the California GeoTracker records for this facility:](#)

**Status History:**  
Global Id:      T0607300534  
Status:      Open - Case Begin Date  
Status Date:      05/23/1990  
  
Global Id:      T0607300534  
Status:      Completed - Case Closed  
Status Date:      06/01/1991

**Regulatory Activities:**  
Global Id:      T0607300534  
Action Type:      Other  
Date:      05/23/1990  
Action:      Leak Began  
  
Global Id:      T0607300534  
Action Type:      Other  
Date:      05/23/1990  
Action:      Leak Discovery  
  
Global Id:      T0607300534  
Action Type:      Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN GOLF CORPORATION (Continued)**

**S102429270**

Date: 05/23/1990  
Action: Leak Stopped

Global Id: T0607300534  
Action Type: Other  
Date: 06/01/1990  
Action: Leak Reported

Region: STATE  
Global Id: T0607300665  
Latitude: 33.1567652  
Longitude: -117.1243498  
Case Type: LUST Cleanup Site  
Status: Completed - Case Closed  
Status Date: 06/01/1991  
Lead Agency: SAN DIEGO COUNTY LOP  
Case Worker: Not reported  
Local Agency: Not reported  
RB Case Number: 9UT1883  
LOC Case Number: H20340-002  
File Location: Local Agency  
Potential Media Affect: Soil  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Status History:

Global Id: T0607300665  
Status: Open - Case Begin Date  
Status Date: 01/07/1991

Global Id: T0607300665  
Status: Completed - Case Closed  
Status Date: 06/01/1991

Regulatory Activities:

Global Id: T0607300665  
Action Type: Other  
Date: 01/07/1991  
Action: Leak Began

Global Id: T0607300665  
Action Type: Other  
Date: 01/07/1991  
Action: Leak Discovery

Global Id: T0607300665  
Action Type: Other  
Date: 01/07/1991  
Action: Leak Stopped

Global Id: T0607300665  
Action Type: Other  
Date: 01/07/1991  
Action: Leak Reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN GOLF CORPORATION (Continued)**

**S102429270**

LUST REG 9:

Region: 9  
Status: Case Closed  
Case Number: 9UT1737  
Local Case: H20340-001  
Substance: Unleaded Gasoline  
Qty Leaked: 0  
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site  
Local Agency: San Diego  
How Found: Tank Closure  
How Stopped: Close Tank  
Source: Tank  
Cause: Corrosion  
Lead Agency: Local Agency  
Case Type: Soil only  
Date Found: 06/01/1990  
Date Stopped: 05/23/1990  
Confirm Date: 06/01/1990  
Submit Workplan: Not reported  
Prelim Assess: / /  
Desc Pollution: Not reported  
Remed Plan: / /  
Remed Action: Not reported  
Began Monitor: Not reported  
Release Date: 06/01/1990  
Enforce Date: Not reported  
Closed Date: 5/30/91  
Enforce Type: Not reported  
Pilot Program: LOP  
Basin Number: 905.21  
GW Depth: Not reported  
Beneficial Use: Not reported  
NPDES Number: Not reported  
Priority: Low priority. Priority ranking can change over time.  
File Dispn: File discarded, case closed  
Interim Remedial Actions: Yes  
Cleanup and Abatement order Number: Not reported  
Waste Discharge Requirement Number: Not reported

SWEEPS UST:

Status: Not reported  
Comp Number: 20340  
Number: Not reported  
Board Of Equalization: 44-022237  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 37-000-020340-000001  
Tank Status: Not reported  
Capacity: 550  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERICAN GOLF CORPORATION (Continued)**

**S102429270**

Number Of Tanks: 2  
  
Status: Not reported  
Comp Number: 20340  
Number: Not reported  
Board Of Equalization: 44-022237  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 37-000-020340-000002  
Tank Status: Not reported  
Capacity: 550  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Status: Active  
Comp Number: 20340  
Number: 9  
Board Of Equalization: 44-022237  
Referral Date: Not reported  
Action Date: 06-26-92  
Created Date: 02-29-88  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: Not reported

**SAN DIEGO CO. HMMD:**

Facility Id: 120340  
Business Type: 6HK40  
EPA Id Number: CAL000036444  
APN: DEH-120340  
Last HMMD Inspection: 10/24/1991  
Permit Status: INAC  
Permit Expiration: 10/24/1991  
Facility Owner: AMERICAN GOLF CORP  
Facility Address: 1800 COUNTRY CLUB LN  
Facility City: ESCONDIDO  
Facility State: CA  
Facility Zip: 92026-1003  
UST Owner: AMERICAN GOLF CORP  
Handle Regulated Hazmat: Not reported  
Own Or Operate UST: Not reported  
Subject To APSA: Not reported  
Generate Haz Waste: Y  
Treat Haz Waste: Not reported  
Generate Medical Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AMERICAN GOLF CORPORATION (Continued)

S102429270

UST:

UST Name: UNDERGROUND TANK 120340 T001  
Last Update: 2012-11-02 14:17:38  
Permit Number: 120340  
Tank Type: SINGLE WALL  
Additional Id: 1  
Capacity Gallons: 550  
UST Contents: REGULAR UNLEADED  
Other Content Info: REGULAR UNLEADED  
Reg Status: REMOVED  
Remove Close Date: 1990-05-23 00:00:00  
Year Installed: Not reported  
Pipe Type: SINGLE WALL  
Delivery System: SUCTION  
Monitor Code: 10  
UST Monitor Method: SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 120340 T002  
Last Update: 2012-11-02 14:17:38  
Permit Number: 120340  
Tank Type: SINGLE WALL  
Additional Id: AT2159  
Capacity Gallons: 550  
UST Contents: REGULAR UNLEADED  
Other Content Info: REGULAR UNLEADED  
Reg Status: REMOVED  
Remove Close Date: 1991-11-01 00:00:00  
Year Installed: Not reported  
Pipe Type: Not reported  
Delivery System: Not reported  
Monitor Code: 90  
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number: H20340-001  
Agency: DEH Site Assessment & Mitigation  
**Funding: LOP - State Fund**  
Facility Type: Soils Only  
Facility Status: Closed Case  
Date: 6/1/1991  
Date Began: 5/23/1990

Case Number: H20340-002  
Agency: DEH Site Assessment & Mitigation  
**Funding: LOP - Federal Fund**  
Facility Type: Soils Only  
Facility Status: Closed Case  
Date: 6/1/1991  
Date Began: 1/7/1991

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A3**      **AMERICAN GOLF CORPORATION**  
**SE**      **1800 COUNTRY CLUB LN**  
**1/4-1/2**      **ESCONDIDO, CA 92026**  
**0.493 mi.**  
**2601 ft.**      **Site 2 of 2 in cluster A**

**LUST**      **S104406433**  
                  **N/A**

**Relative:**      LUST REG 9:  
**Lower**            Region:            9  
                       Status:            Case Closed  
**Actual:**            Case Number:      9UT1883  
**720 ft.**            Local Case:        H20340-002  
                       Substance:        Unleaded Gasoline  
                       Qty Leaked:        Not reported  
                       Abate Method:     Excavate and Dispose - remove contaminated soil and dispose in approved site  
                       Local Agency:     San Diego  
                       How Found:        Other Means  
                       How Stopped:     Other Means  
                       Source:            Unknown  
                       Cause:             Unknown  
                       Lead Agency:     Local Agency  
                       Case Type:        Aquifer affected  
                       Date Found:        01/07/1991  
                       Date Stopped:     01/07/1991  
                       Confirm Date:     01/07/1991  
                       Submit Workplan: 1/8/91  
                       Prelim Assess:    / /  
                       Desc Pollution:   Not reported  
                       Remed Plan:       / /  
                       Remed Action:    Not reported  
                       Began Monitor:    Not reported  
                       Release Date:     01/07/1991  
                       Enforce Date:     Not reported  
                       Closed Date:      5/30/91  
                       Enforce Type:     Not reported  
                       Pilot Program:    LOP  
                       Basin Number:    905.21  
                       GW Depth:        50  
                       Beneficial Use:   Municipal groundwater use  
                       NPDES Number:    Not reported  
                       Priority:            Low priority. Priority ranking can change over time.  
                       File Dispn:        File discarded, case closed  
                       Interim Remedial Actions:      No  
                       Cleanup and Abatement order Number:    Not reported  
                       Waste Discharge Requirement Number:    Not reported

**4**            **BENTON BURN DUMP**  
**ENE**        **END OF STILL WATER GLEN**  
**1/2-1**        **ESCONDIDO, CA 92026**  
**0.683 mi.**  
**3607 ft.**

**ENVIROSTOR**      **S105954428**  
                          **N/A**

**Relative:**      ENVIROSTOR:  
**Lower**            Facility ID:        37990004  
                       Status:            Refer: Other Agency  
**Actual:**            Status Date:        01/09/2006  
**842 ft.**            Site Code:          401058  
                       Site Type:          Evaluation  
                       Site Type Detailed: Evaluation  
                       Acres:              Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BENTON BURN DUMP (Continued)**

**S105954428**

NPL: NO  
Regulatory Agencies: DTSC  
Lead Agency: DTSC  
Program Manager: Not reported  
Supervisor: \* Greg Holmes  
Division Branch: Cleanup Cypress  
Assembly: 75  
Senate: 38  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: EPA Grant  
Latitude: 33.16487  
Longitude: -117.1201  
APN: NONE SPECIFIED  
Past Use: NONE SPECIFIED  
Potential COC: \* WASTE POTENTIALLY CONTAINING DIOXINS Lead  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: BENTON DUMP  
Alias Type: Alternate Name  
Alias Name: 401058  
Alias Type: Project Code (Site Code)  
Alias Name: 37990004  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/30/2003  
Comments: PA with sampling approved by EPA no further action required.

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 04/02/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/07/2014	Telephone: 703-603-8704
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 04/08/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 04/02/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/03/2014	Source: Department of the Navy
Date Data Arrived at EDR: 12/12/2014	Telephone: 843-820-7326
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 02/16/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/30/2014	Telephone: 202-267-2180
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 03/31/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

## ***State- and tribal - equivalent NPL***

### RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 03/11/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/12/2015	Telephone: 916-323-3400
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 03/12/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/18/2015
	Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 03/11/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/12/2015	Telephone: 916-323-3400
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 03/12/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/18/2015
	Data Release Frequency: Quarterly

## **State and tribal landfill and/or solid waste disposal site lists**

### SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/16/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 02/17/2015	Telephone: 916-341-6320
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 02/17/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

### LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

### LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

### LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/13/2015  
Date Data Arrived at EDR: 03/18/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 6

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 03/18/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Quarterly

## SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 03/13/2015  
Date Data Arrived at EDR: 03/18/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 6

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/18/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 01/28/2015  
Date Data Arrived at EDR: 01/30/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 42

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/23/2014  
Date Data Arrived at EDR: 11/25/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 65

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/23/2015  
Date Data Arrived at EDR: 02/10/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 31

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 10

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 184

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/30/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015  
Date Data Arrived at EDR: 01/08/2015  
Date Made Active in Reports: 02/09/2015  
Number of Days to Update: 32

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 01/08/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 01/30/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-7439
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

### **State and tribal registered storage tank lists**

#### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/13/2015	Source: SWRCB
Date Data Arrived at EDR: 03/18/2015	Telephone: 916-341-5851
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Semi-Annually

#### AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/13/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/13/2015
	Data Release Frequency: Quarterly

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 01/30/2015
Number of Days to Update: 271	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/30/2015	Source: EPA Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-6136
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/23/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/13/2015	Telephone: 214-665-7591
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/29/2015	Source: EPA Region 8
Date Data Arrived at EDR: 01/30/2015	Telephone: 303-312-6137
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/13/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 04/02/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

### VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/11/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/12/2015	Telephone: 916-323-3400
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 03/12/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/18/2015
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/22/2014	Telephone: 202-566-2777
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/24/2015
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: No Update Planned

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/16/2015  
Date Data Arrived at EDR: 03/18/2015  
Date Made Active in Reports: 03/26/2015  
Number of Days to Update: 8

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 03/18/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 04/04/2015  
Date Data Arrived at EDR: 04/07/2015  
Date Made Active in Reports: 04/13/2015  
Number of Days to Update: 6

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 02/16/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 02/02/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Varies

## WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000  
Date Data Arrived at EDR: 04/10/2000  
Date Made Active in Reports: 05/10/2000  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Hazardous waste / Contaminated Sites**

### **US CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/03/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Quarterly

### **HIST CAL-SITES: Calsites Database**

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### **SCH: School Property Evaluation Program**

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/11/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/12/2015	Telephone: 916-323-3400
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 03/12/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/18/2015
	Data Release Frequency: Quarterly

### **TOXIC PITS: Toxic Pits Cleanup Act Sites**

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### **CDL: Clandestine Drug Labs**

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-255-6504
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 04/13/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/03/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: No Update Planned

## **Local Lists of Registered Storage Tanks**

### CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 02/26/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Annually

### HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 01/30/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

## LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/11/2015  
Date Data Arrived at EDR: 03/13/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 11

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Varies

## DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/09/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/18/2015  
Number of Days to Update: 8

Source: DTSC and SWRCB  
Telephone: 916-323-3400  
Last EDR Contact: 03/10/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/29/2014  
Date Data Arrived at EDR: 12/30/2014  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 69

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Annually

### CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 01/21/2015  
Date Data Arrived at EDR: 01/28/2015  
Date Made Active in Reports: 02/26/2015  
Number of Days to Update: 29

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 01/28/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/13/2015  
Date Data Arrived at EDR: 03/18/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 6

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/18/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/13/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/18/2015	Telephone: 866-480-1028
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Quarterly

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/29/2014	Telephone: (415) 495-8895
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 02/03/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/18/2015
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2015
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/27/2015
	Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/06/2014  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/23/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 24

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 74

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 03/10/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010  
Date Data Arrived at EDR: 10/07/2011  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 146

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 02/27/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014  
Date Data Arrived at EDR: 12/31/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 03/06/2015  
Next Scheduled EDR Contact: 06/15/2015  
Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/31/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 44

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 01/29/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 14

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/27/2015  
Next Scheduled EDR Contact: 07/06/2015  
Data Release Frequency: Every 4 Years

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Quarterly

**HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

**HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing**

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

**SSTS: Section 7 Tracking Systems**

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015  
Date Data Arrived at EDR: 02/06/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 04/09/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014  
Date Data Arrived at EDR: 10/15/2014  
Date Made Active in Reports: 11/17/2014  
Number of Days to Update: 33

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 01/16/2015  
Next Scheduled EDR Contact: 04/27/2015  
Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/29/2014  
Date Data Arrived at EDR: 01/08/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 21

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 02/27/2015  
Date Data Arrived at EDR: 02/27/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 26

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 04/09/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015  
Date Data Arrived at EDR: 02/27/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 26

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 202-564-8600
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 02/24/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Biennially

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 03/12/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2015	Telephone: 916-445-9379
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 03/13/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014	Source: Department of Conservation
Date Data Arrived at EDR: 12/15/2014	Telephone: 916-445-2408
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/20/2015
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Varies

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/10/2015	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/31/2015	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 03/23/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: No Update Planned

## DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/18/2015	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 02/20/2015	Telephone: 916-327-4498
Date Made Active in Reports: 03/12/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Annually

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/30/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/26/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/28/2015	Telephone: 916-445-9379
Date Made Active in Reports: 02/26/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/15/2014	Telephone: 916-255-1136
Date Made Active in Reports: 11/19/2014	Last EDR Contact: 01/16/2015
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/27/2015
	Data Release Frequency: Annually

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 03/27/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/27/2015
	Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/18/2015
Number of Days to Update: 54	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/22/2013  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 02/13/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014  
Date Data Arrived at EDR: 11/26/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 64

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 04/10/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013  
Date Data Arrived at EDR: 10/17/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 3

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 02/13/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Quarterly

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 01/15/2015  
Next Scheduled EDR Contact: 04/27/2015  
Data Release Frequency: N/A

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/16/2015	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-558-1784
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 03/10/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Varies

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/15/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/27/2015
	Data Release Frequency: Varies

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/12/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/13/2015	Telephone: 916-440-7145
Date Made Active in Reports: 02/03/2015	Last EDR Contact: 01/13/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/27/2015
	Data Release Frequency: Quarterly

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/23/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/24/2015	Telephone: 916-323-3400
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 02/24/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 03/30/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/09/2015
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/25/2015
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/16/2015	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2015	Telephone: 916-323-3836
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Quarterly

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 02/02/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/06/2015	Telephone: 916-255-3628
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/17/2015	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/20/2015	Telephone: 916-341-6066
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 02/16/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 03/30/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-566-1917
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 02/16/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/21/2015  
Date Data Arrived at EDR: 01/28/2015  
Date Made Active in Reports: 02/26/2015  
Number of Days to Update: 29

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015  
Date Data Arrived at EDR: 01/28/2015  
Date Made Active in Reports: 02/26/2015  
Number of Days to Update: 29

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA Facility List

Cupa Facility List

Date of Government Version: 03/09/2015  
Date Data Arrived at EDR: 03/24/2015  
Date Made Active in Reports: 03/31/2015  
Number of Days to Update: 7

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Varies

### BUTTE COUNTY:

#### CUPA Facility Listing

Cupa facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/20/2014  
Date Data Arrived at EDR: 11/24/2014  
Date Made Active in Reports: 01/07/2015  
Number of Days to Update: 44

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 04/27/2015  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 03/03/2015  
Date Data Arrived at EDR: 03/05/2015  
Date Made Active in Reports: 03/10/2015  
Number of Days to Update: 5

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA Facility List Cupa facility list.

Date of Government Version: 06/11/2014  
Date Data Arrived at EDR: 06/13/2014  
Date Made Active in Reports: 07/07/2014  
Number of Days to Update: 24

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Varies

## CONTRA COSTA COUNTY:

### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/23/2015  
Date Data Arrived at EDR: 02/25/2015  
Date Made Active in Reports: 03/04/2015  
Number of Days to Update: 7

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 02/02/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

### CUPA Facility List Cupa Facility list

Date of Government Version: 02/23/2015  
Date Data Arrived at EDR: 02/25/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 6

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 02/16/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA Facility List CUPA facility list.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/24/2015  
Date Data Arrived at EDR: 02/25/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 6

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 02/02/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 01/16/2015  
Date Made Active in Reports: 02/05/2015  
Number of Days to Update: 20

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 04/06/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Semi-Annually

## HUMBOLDT COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 03/11/2015  
Date Data Arrived at EDR: 03/13/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 11

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## IMPERIAL COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 02/10/2015  
Date Data Arrived at EDR: 02/12/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 19

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## KERN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014  
Date Data Arrived at EDR: 11/12/2014  
Date Made Active in Reports: 12/19/2014  
Number of Days to Update: 37

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/21/2014  
Date Data Arrived at EDR: 11/25/2014  
Date Made Active in Reports: 12/30/2014  
Number of Days to Update: 35

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 04/10/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/20/2015  
Date Data Arrived at EDR: 01/21/2015  
Date Made Active in Reports: 02/05/2015  
Number of Days to Update: 15

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 01/19/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 07/06/2015  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014  
Date Data Arrived at EDR: 01/30/2015  
Date Made Active in Reports: 03/04/2015  
Number of Days to Update: 33

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 04/13/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/19/2015  
Date Data Arrived at EDR: 01/20/2015  
Date Made Active in Reports: 02/05/2015  
Number of Days to Update: 16

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 01/20/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Varies

## City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009  
Date Data Arrived at EDR: 03/10/2009  
Date Made Active in Reports: 04/08/2009  
Number of Days to Update: 29

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 01/19/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Varies

## Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015  
Date Data Arrived at EDR: 01/29/2015  
Date Made Active in Reports: 03/10/2015  
Number of Days to Update: 40

Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 01/19/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015  
Date Data Arrived at EDR: 04/02/2015  
Date Made Active in Reports: 04/13/2015  
Number of Days to Update: 11

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 03/06/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 01/29/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 02/26/2015  
Number of Days to Update: 13

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/08/2015  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/27/2015  
Number of Days to Update: 12

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 04/13/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: Semi-Annually

## MADERA COUNTY:

### CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/20/2015  
Date Data Arrived at EDR: 03/24/2015  
Date Made Active in Reports: 03/31/2015  
Number of Days to Update: 7

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014  
Date Data Arrived at EDR: 10/22/2014  
Date Made Active in Reports: 12/15/2014  
Number of Days to Update: 54

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 04/06/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Semi-Annually

## MERCED COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 02/23/2015  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 7

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## MONO COUNTY:

### CUPA Facility List

CUPA Facility List

Date of Government Version: 02/27/2015  
Date Data Arrived at EDR: 03/06/2015  
Date Made Active in Reports: 03/10/2015  
Number of Days to Update: 4

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 06/15/2015  
Data Release Frequency: Varies

## MONTEREY COUNTY:

### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/19/2015  
Date Data Arrived at EDR: 03/20/2015  
Date Made Active in Reports: 03/31/2015  
Number of Days to Update: 11

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## NAPA COUNTY:

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2011  
Date Data Arrived at EDR: 12/06/2011  
Date Made Active in Reports: 02/07/2012  
Number of Days to Update: 63

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 06/15/2015  
Data Release Frequency: No Update Planned

## Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/16/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 06/15/2015  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA Facility List

CUPA facility list.

Date of Government Version: 02/12/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 18

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 02/06/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Varies

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 18

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/03/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 18

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 02/26/2015  
Number of Days to Update: 13

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

## PLACER COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/12/2015  
Date Made Active in Reports: 03/18/2015  
Number of Days to Update: 6

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Semi-Annually

## RIVERSIDE COUNTY:

### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/28/2015  
Date Data Arrived at EDR: 01/29/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 33

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 07/06/2015  
Data Release Frequency: Quarterly

### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/28/2015  
Date Data Arrived at EDR: 01/29/2015  
Date Made Active in Reports: 02/26/2015  
Number of Days to Update: 28

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 07/06/2015  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/03/2014  
Date Data Arrived at EDR: 01/07/2015  
Date Made Active in Reports: 02/03/2015  
Number of Days to Update: 27

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/08/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Quarterly

### Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/03/2014  
Date Data Arrived at EDR: 01/09/2015  
Date Made Active in Reports: 02/03/2015  
Number of Days to Update: 25

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 04/08/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Quarterly

## SAN BERNARDINO COUNTY:

### Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/02/2015  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/10/2015  
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013  
Date Data Arrived at EDR: 09/24/2013  
Date Made Active in Reports: 10/17/2013  
Number of Days to Update: 23

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 03/10/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Quarterly

### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014  
Date Data Arrived at EDR: 11/21/2014  
Date Made Active in Reports: 12/29/2014  
Number of Days to Update: 38

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

### Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010  
Date Data Arrived at EDR: 03/10/2011  
Date Made Active in Reports: 03/15/2011  
Number of Days to Update: 5

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/24/2015  
Date Data Arrived at EDR: 03/25/2015  
Date Made Active in Reports: 03/31/2015  
Number of Days to Update: 6

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 07/06/2015  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/23/2015  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 7

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/09/2015  
Date Data Arrived at EDR: 01/12/2015  
Date Made Active in Reports: 02/03/2015  
Number of Days to Update: 22

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/16/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Annually

### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/16/2015  
Date Data Arrived at EDR: 03/17/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 7

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## SANTA CLARA COUNTY:

### Cupa Facility List

Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2015  
Date Data Arrived at EDR: 02/25/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 6

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

## LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 06/15/2015  
Data Release Frequency: Annually

## Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/23/2015  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 03/04/2015  
Number of Days to Update: 8

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/24/2014  
Date Data Arrived at EDR: 11/25/2014  
Date Made Active in Reports: 12/31/2014  
Number of Days to Update: 36

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/11/2015  
Date Data Arrived at EDR: 03/13/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 11

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

## SOLANO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015  
Date Data Arrived at EDR: 03/19/2015  
Date Made Active in Reports: 03/24/2015  
Number of Days to Update: 5

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Quarterly

## Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015  
Date Data Arrived at EDR: 03/20/2015  
Date Made Active in Reports: 03/31/2015  
Number of Days to Update: 11

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### Cupa Facility List

Cupa Facility list

Date of Government Version: 03/31/2015  
Date Data Arrived at EDR: 04/02/2015  
Date Made Active in Reports: 04/10/2015  
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

## Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2015  
Date Data Arrived at EDR: 04/02/2015  
Date Made Active in Reports: 04/13/2015  
Number of Days to Update: 11

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/09/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/18/2015  
Number of Days to Update: 8

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Semi-Annually

## TUOLUMNE COUNTY:

### CUPA Facility List

Cupa facility list

Date of Government Version: 01/30/2015  
Date Data Arrived at EDR: 02/03/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 24

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

## VENTURA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 01/27/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 02/19/2015	Telephone: 805-654-2813
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 02/16/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

## Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 04/02/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Annually

## Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/16/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

## Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/29/2014	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 01/30/2015	Telephone: 805-654-2813
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

## Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 03/18/2015	Telephone: 805-654-2813
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/01/2015	Telephone: 530-666-8646
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 03/23/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Annually

## YUBA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/17/2015  
Date Data Arrived at EDR: 02/19/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 12

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 02/16/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/17/2014  
Next Scheduled EDR Contact: 03/02/2015  
Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 01/12/2015  
Next Scheduled EDR Contact: 04/27/2015  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2015  
Date Data Arrived at EDR: 02/04/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 23

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 02/04/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/21/2014  
Date Made Active in Reports: 08/25/2014  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 01/19/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/15/2014  
Date Made Active in Reports: 08/13/2014  
Number of Days to Update: 29

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014

Date Data Arrived at EDR: 03/19/2015

Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/13/2015

Next Scheduled EDR Contact: 06/29/2015

Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

EMERALD HEIGHTS COMMUNICATIONS TOWER PROJECT  
1901 7/8 WOODLAND PARKWAY  
SAN MARCOS, CA 92069

### TARGET PROPERTY COORDINATES

Latitude (North): 33.1613 - 33° 9' 40.68"  
Longitude (West): 117.1311 - 117° 7' 51.96"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 487775.2  
UTM Y (Meters): 3668984.8  
Elevation: 917 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 33117-B2 SAN MARCOS, CA  
Most Recent Revision: 1996  
  
East Map: 33117-B1 VALLEY CENTER, CA  
Most Recent Revision: 2000

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

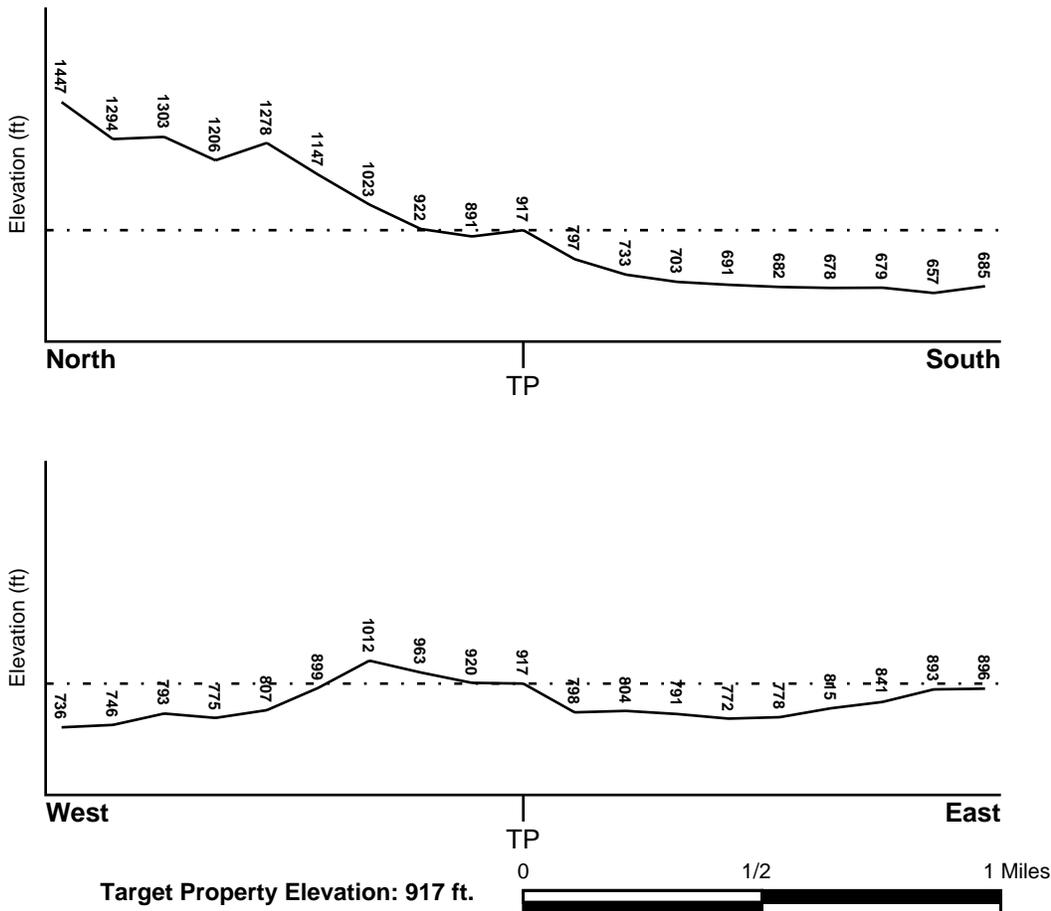
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

Target Property County  
SAN DIEGO, CA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06073C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
SAN MARCOS

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius: 1.25 miles  
Status: Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

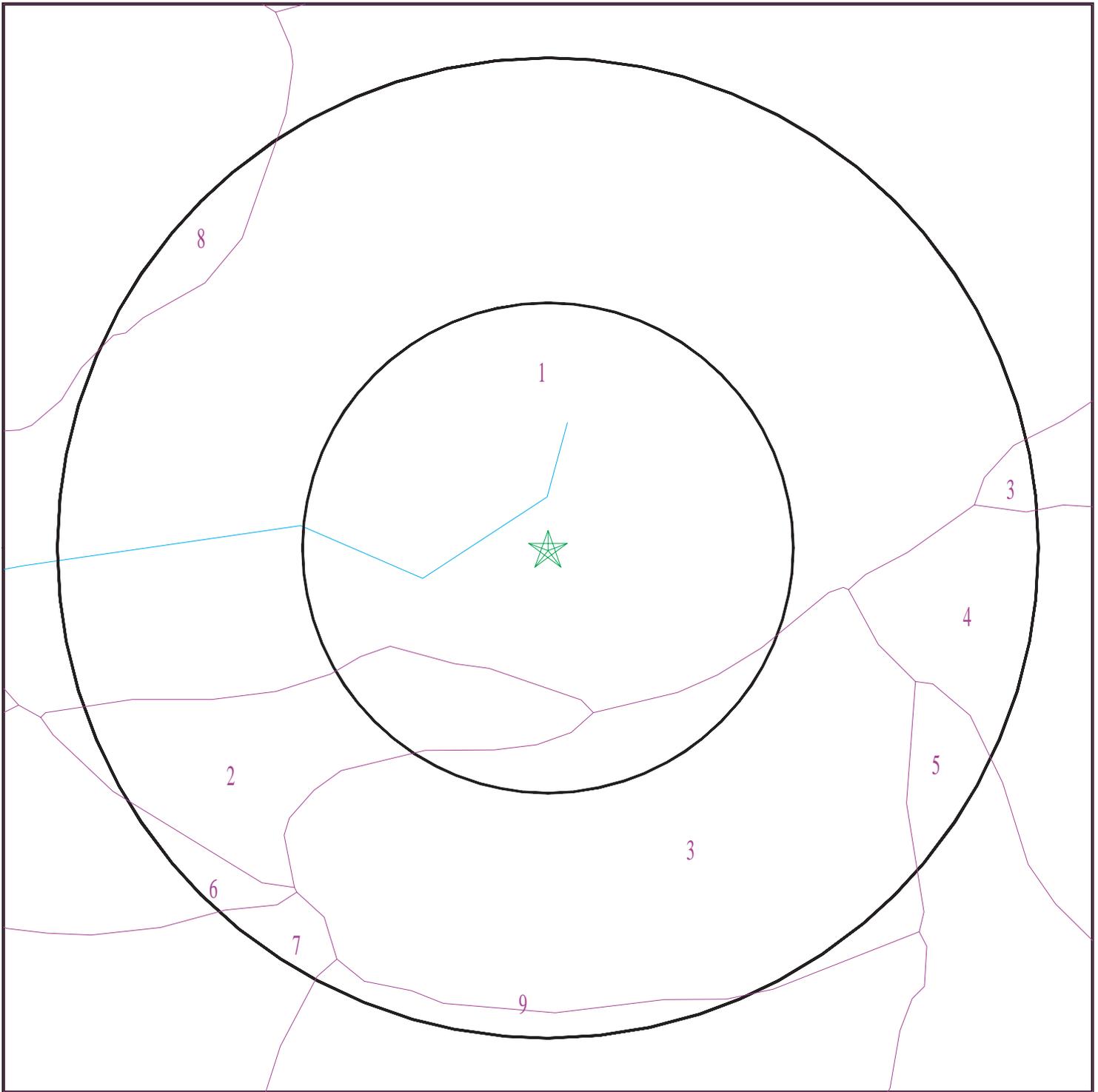
Era: Mesozoic  
System: Lower Jurassic and Upper Triassic  
Series: Lower Mesozoic  
Code: IMze (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 4263616.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Emerald Heights Communications Tower Project  
ADDRESS: 1901 7/8 Woodland Parkway  
San Marcos CA 92069  
LAT/LONG: 33.1613 / 117.1311

CLIENT: LSA Associates  
CONTACT: Laurel Frakes  
INQUIRY #: 4263616.2s  
DATE: April 14, 2015 2:00 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: LAS POSAS

Soil Surface Texture: stony fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	stony fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	3 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	33 inches	37 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 2

Soil Component Name: LAS POSAS

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	3 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	33 inches	37 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 3

Soil Component Name: LAS POSAS

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	3 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	33 inches	37 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 4

Soil Component Name: LAS POSAS

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	3 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	33 inches	37 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 5

Soil Component Name: AULD

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	53 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	53 inches	53 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 6**

Soil Component Name:                    ESCONDIDO

Soil Surface Texture:                    very fine sandy loam

Hydrologic Group:                        Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:                      Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min:                    > 74 inches

Depth to Watertable Min:                > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	5 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.1
3	29 inches	33 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 7**

Soil Component Name: ESCONDIDO

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 86 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	7 inches	33 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 6.1
3	33 inches	38 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

**Soil Map ID: 8**

Soil Component Name: LAS POSAS

Soil Surface Texture: stony fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	stony fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	3 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	33 inches	37 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 9

Soil Component Name: HUERHUERO

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
2	11 inches	55 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.4
3	55 inches	72 inches	stratified sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found	_____	_____

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

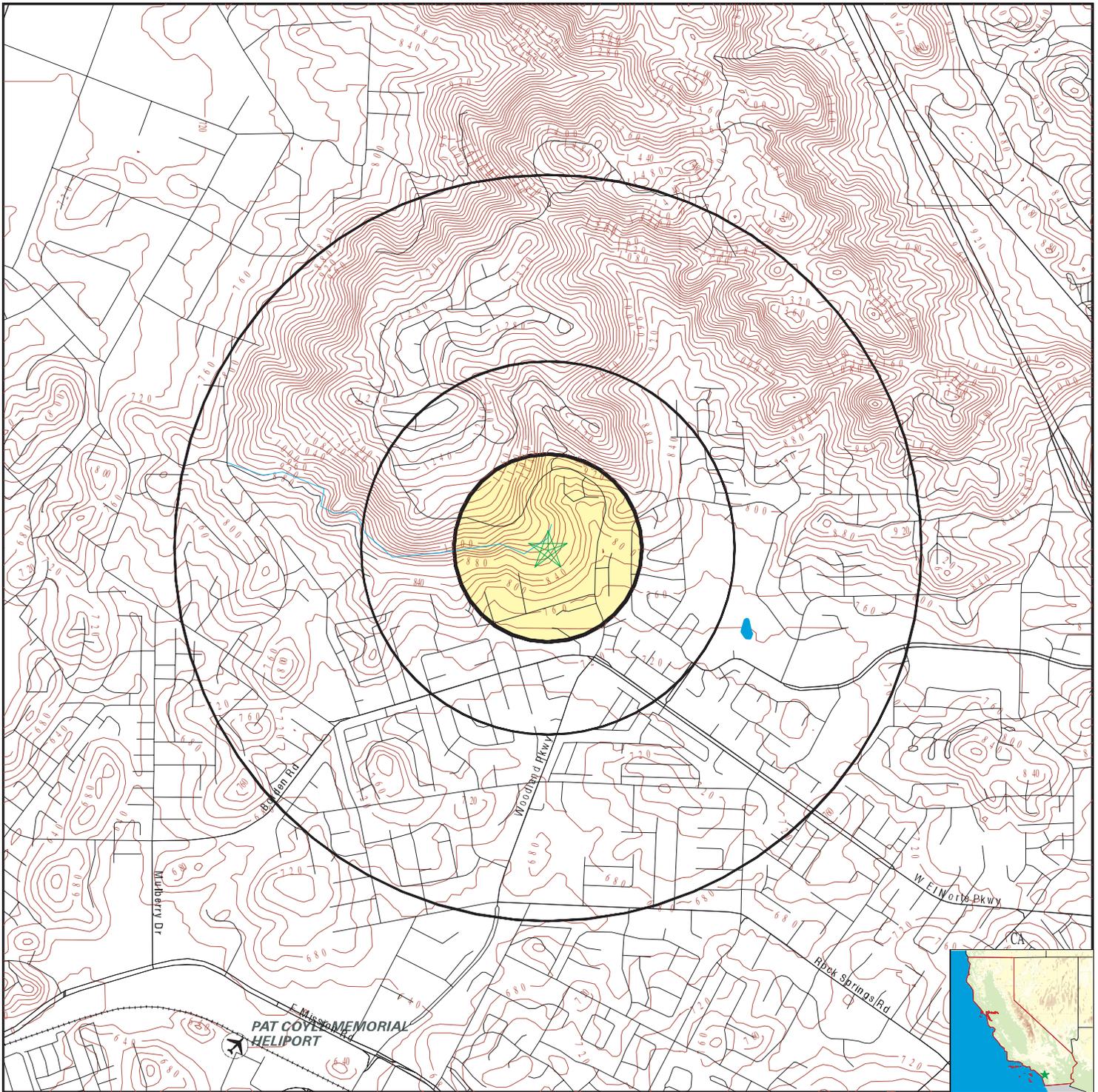
MAP ID	WELL ID	LOCATION FROM TP
<u>                    </u>	<u>                    </u>	<u>                    </u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

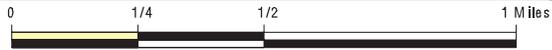
MAP ID	WELL ID	LOCATION FROM TP
<u>                    </u>	<u>                    </u>	<u>                    </u>
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 4263616.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



**SITE NAME:** Emerald Heights Communications Tower Project  
**ADDRESS:** 1901 7/8 Woodland Parkway  
 San Marcos CA 92069  
**LAT/LONG:** 33.1613 / 117.1311

**CLIENT:** LSA Associates  
**CONTACT:** Laurel Frakes  
**INQUIRY #:** 4263616.2s  
**DATE:** April 14, 2015 1:59 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92069	29	2

Federal EPA Radon Zone for SAN DIEGO County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 92069

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.833 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## OTHER STATE DATABASE INFORMATION

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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## **APPENDIX F**

### **NOISE IMPACT STUDY MEMORANDUM**

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LSA ASSOCIATES, INC.  
20 EXECUTIVE PARK, SUITE 200  
IRVINE, CALIFORNIA 92614

949.553.0666 TEL  
949.553.8076 FAX

BERKELEY  
CARLSBAD  
FORT COLLINS

FRESNO  
PALM SPRINGS  
PT. RICHMOND

RIVERSIDE  
ROCKLIN  
SAN LUIS OBISPO

## MEMORANDUM

**DATE:** March 31, 2015  
**TO:** Lisa Goodman-Mercurio, M&M Telecom, Inc.  
**FROM:** Jason Lui, LSA Associates, Inc.  
**SUBJECT:** Emerald Heights Communications Tower Project - Noise Impact Study

LSA Associates, Inc. (LSA) has reviewed the site plan and equipment enclosure plan for the proposed Verizon Wireless telecommunications facility at 1901 7/8 Woodland Parkway in the City of Escondido, California (City). The following analyzes the potential noise impacts associated with the proposed cell tower, telecommunications equipment, and other associated improvements.

### PROPOSED PROJECT

Verizon Wireless is proposing to install a 40 ft high faux mono eucalyptus tree and a 12 by 34 ft outdoor concrete block equipment area. The faux eucalyptus tree will hold 12 antennas, remote radio units (RRUs), Surge Suppressors, and 1 – 4 ft microwave dish. There will be a minimum of 2 ft of clear space from the face of the antennas to the end of the branch foliage. Additionally each antenna will have a RF transparent ‘sock’ that will also assist in making the antennas less visible to the public. The outdoor equipment area is surrounded with a 9 ft high concrete block and will include a radio, power equipment, and an emergency generator. The generator will be run every week for about 15 minutes as an “exercise” cycle. The timing of the exercise cycle can be set to reduce impacts to any adjoining neighbors.

The project site is located in the S-P zone and it is on the west side of Woodland Parkway, north of El Norte Parkway. The property is located on a large open space parcel with an existing one-story commercial building, two large water tanks, and other wireless carriers. The project is approximately 53 ft higher in elevation than the closest residence that is approximately 260 ft away to the southeast. Although the project is approximately 260 ft away from the closest residence, the project is approximately 150 ft from the property line of the open space area and the project construction boundary is approximately 180 ft from the closest residence.

### THRESHOLDS OF SIGNIFICANCE

A project will normally have a significant noise-related effect on the environment if it will substantially increase the ambient noise levels for adjoining areas or conflict with adopted environmental plans and goals of the community in which it is located. The applicable noise standards governing the project site are the criteria in the City’s Municipal Code.

### City of Escondido Municipal Code

Section 17.229 of the City's Municipal Code contains noise control standards that govern stationary sources from operational noise. This section states that it is unlawful for any person to cause or allow the creation of any noise to the extent that the one-hour average sound level ( $L_{eq}[h]$ ), at any point on or beyond the boundaries of the property on which the sound is produced, exceeds the applicable limits set forth in Table A unless a variance has been applied for and granted.

Also, in Section 17-234 of the City's Municipal Code, construction activities are limited to between the hours of 7:00 a.m. and 6:00 p.m. on Mondays through Friday and between the hours of 9:00 a.m. and 5:00 p.m. on Saturdays. Construction-related noise is prohibited on Sundays and on days designated by the president, governor or city council as public holidays. Also, no construction equipment or combination of equipment, regardless of age or date of acquisition, shall be operated so as to cause noise in excess of a one-hour average sound level ( $L_{eq}[h]$ ) limit of 75 dBA at any time, unless a variance has been obtained in advance from the city manager.

**Table A: Sound Level Limits for Stationary Sources**

<b>Zone</b>	<b>Time</b>	<b>Applicable Limit 1-Hour Average Sound Level (dBA <math>L_{eq}</math>)</b>
Residential zones	7:00 a.m.–10:00 p.m.	50
	10:00 p.m.–7:00 a.m.	45
Multi-residential zones	7:00 a.m.–10:00 p.m.	55
	10:00 p.m.–7:00 a.m.	50
Commercial zones	7:00 a.m.–10:00 p.m.	60
	10:00 p.m.–7:00 a.m.	55
Light industrial/industrial park zones	Anytime	70 <sup>1</sup>
General industrial zones	Anytime	75 <sup>1</sup>

Source: City of Escondido Municipal Code.

<sup>1</sup> Subject to provisions of Sections 17-229(c)(5)

dBA = A-weighted decibel

$L_{eq}$  = Equivalent continuous noise level

## PROJECT IMPACTS

### Construction Noise

Short-term noise impacts would be associated with excavation, grading, and erecting of buildings on site during construction of the proposed project. Construction-related short-term noise levels would be higher than existing ambient noise levels in the project area today but would no longer occur once construction of the project is completed.

Two types of short-term noise impacts could occur during the construction of the proposed project. First, construction crew commutes and the transport of construction equipment and materials to the site for the proposed project would incrementally increase noise levels on access roads leading to the site. There will be a relatively high single-event noise exposure potential at a maximum level of 75 dBA maximum instantaneous noise level ( $L_{max}$ ) with trucks passing at 50 ft. However, the projected construction traffic will be small and its associated long-term noise level change will not be perceptible. Therefore, short-term construction-related worker commutes and equipment transport noise impacts would not be substantial.

The second type of short-term noise impact is related to noise generated during excavation, grading, and construction on the project site. Construction is performed in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on the site. Therefore, the noise levels vary as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. Table B lists typical construction equipment noise levels recommended for noise impact assessments, based on a distance of 50 ft between the equipment and a noise receptor, taken from the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM; *FHWA Highway Construction Noise Handbook*, January 2006). Typical maximum noise levels range up to 86 dBA at 50 ft during the noisiest construction phases. The site preparation phase, which includes excavation and grading of the site, tends to generate the highest noise levels, because the noisiest construction equipment is earth-moving equipment. Earth-moving equipment includes excavating machinery such as backfillers, bulldozers, draglines, and front loaders. Earth-moving and compacting equipment includes compactors, scrapers, and graders. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full power operation followed by 3 or 4 minutes at lower power settings.

**Table B Typical Construction Equipment Noise Levels**

Equipment Description	Spec 721.560 <sup>1</sup> L <sub>max</sub> at 50 ft	Actual Measured <sup>2</sup> L <sub>max</sub> at 50 ft
Backhoes	80	78
Compactor (ground)	80	83
Cranes	85	81
Dozers	85	82
Dump Truck	84	76
Excavators	85	81
Flat Bed Trucks	84	74
Front-End Loaders	80	79
Graders	85	N/A <sup>3</sup>
Jackhammer	85	89
Pickup Truck	55	75
Pneumatic Tools	85	85
Pumps	77	81
Rock Drill	85	81
Roller	85	80
Scrapers	85	84
Tractors	84	N/A
Vibratory Pile Driver	95	101

Source: FHWA Roadway Construction Noise Model (January 2006).

Note: Noise levels reported in this table are rounded to the nearest whole number.

<sup>1</sup> Maximum noise levels were developed based on Spec 721.560 from the Central Artery/Tunnel (CA/T) program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.

<sup>2</sup> The maximum noise level was developed based on the average noise level measured for each piece of equipment during the CA/T program in Boston, Massachusetts.

<sup>3</sup> Since the maximum noise level based on the average noise level measured for this piece of equipment was not available, the maximum noise level developed based on Spec 721.560 was used.

ft = foot/feet

L<sub>max</sub> = maximum instantaneous sound level

N/A = not applicable

Construction of the proposed project is expected to require the use of earth-movers, bulldozers, and water and pickup trucks. This equipment would be used on site. Based on Table B, the maximum noise level generated by each scraper on the proposed project site is assumed to be 84 dBA L<sub>max</sub> at 50 ft from the scraper. Each bulldozer would also generate 82 dBA L<sub>max</sub> at 50 ft. The maximum noise level generated by water and pickup trucks is approximately 75 dBA L<sub>max</sub> at 50 ft from these vehicles. Each doubling of a sound source with equal strength increases the noise level by 3 dBA. Assuming that each piece of construction equipment operates at some distance from the other equipment, the worst-case combined noise level during this phase of construction would be 86 dBA L<sub>max</sub> at a distance of 50 ft from the active construction area.

The closest existing residence is located approximately 180 ft from the project construction area. The closest residence may be subject to short-term noise reaching 75 dBA L<sub>max</sub> generated by construction activities near the project boundary. Compliance with the construction hours specified in the City's Municipal Code would be required.

## Stationary Source Noise Impact

Potential long-term stationary noise impacts would be associated primarily with the emergency generator contained in the equipment area surrounded by a 9 ft high concrete block. The testing and maintenance of the emergency generator would generate noise that would potentially affect residences and other noise-sensitive uses in the project vicinity. Other potential noise sources include slow-moving vehicles, car doors slamming, and engine startup in the proposed technician parking area.

As noise spreads from a source it loses energy, so the farther away the noise receiver is from the noise source, the lower the perceived noise level would be. Geometric spreading causes the sound level to attenuate or be reduced, resulting in a 6 dBA reduction in the noise level for each doubling of distance from a single-point source of noise, such as an idling truck or a screaming spectator, to the noise-sensitive receptor of concern. Although individual activity may generate relatively high and intermittent noise, when added to the typically lower ambient noise and averaged over a longer period of time, the cumulative noise level would be much lower and would be considered a less than significant impact.

**Emergency Generator Noise.** The emergency generator would be housed inside a concrete block enclosure. Based on information provided by the project's applicant, there will be a 10 kilowatts (kW) emergency generator with a 55 gallon double wall subbase diesel fuel tank on a poured-in-place concrete pad. A Polar DC generator unit or equivalent sized unit with a single unit sound pressure level (SPL) of 63 dBA at a reference distance of 23 ft will be used. At a distance of 150 ft from the emergency generator enclosure to property line of the open space area, the noise level would drop to 47 dBA.

The concrete block enclosure would be approximately 9 ft high that surrounds the emergency generator and associated ancillary components with a steel gate and frame as a lockable access. This 9 ft high concrete block wall would function as a noise barrier. The 9 ft high wall would block the light-of-sight to sensitive receptors and provide a noise attenuation of 5 dBA or more. Assuming a worst-case scenario that the generator would operate continuously at its maximum power rating, the noise level from the generator would be 42 dBA  $L_{eq}$  at the property line of the open space area. This noise level would be much lower at the closest residence and would be below the most stringent noise standards identified in the City's Municipal Code, which is 45 dBA  $L_{eq}$  during the nighttime hours for single-family residences. Therefore, no significant noise impacts would occur and no mitigation measures are required.

**Parking Area Noise.** Representative parking activities, such as employees/technicians conversing or doors slamming, would generate approximately 60 to 70 dBA  $L_{max}$  at 50 ft. This level of noise is intermittent in nature. The proposed on-site technician parking area is approximately 150 ft from the property line of the open space area, which would provide approximately 9 dBA in noise reduction compared to the noise level measured at 50 ft. Noise from the on-site technician parking area would be reduced to 61 dBA  $L_{max}$  or lower at the closest property line of the open space area and this noise level would not be a significant issue.

## **ATTACHMENTS**

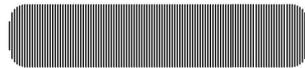
## **PROJECT PLANS**



**EMERALD HEIGHTS**  
**1901 7/8 WOODLAND PARKWAY**  
**ESCONDIDO, CA 92026**

**BOOTH & SUAREZ**

ARCHITECTURE ■ INCORPORATED  
 325 CARLSBAD VILLAGE DRIVE, SUITE D2  
 CARLSBAD, CA 92008 (760) 434-8474



PREPARED FOR



P.O. BOX 19707  
 IRVINE, CA 92623-9707  
 (949) 286-7000

APPROVALS

A&C	DATE
RE	DATE
RF	DATE
INT	DATE
EE/IN	DATE
OPS	DATE
EE/OUT	DATE

PROJECT NAME

**EMERALD HEIGHTS**

1901 7/8 WOODLANDS PARKWAY  
 ESCONDIDO, CA 92026  
 SAN DIEGO COUNTY

DRAWING DATES

01/29/14	90% ZD (lc)
02/03/14	100% ZD (nt)
02/10/14	100% ZD Revision 1 (hc)

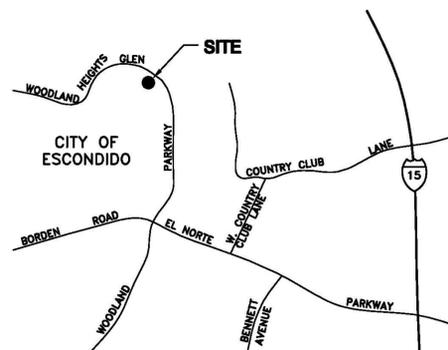
SHEET TITLE

**TITLE SHEET & PROJECT DATA**

PROJECTS\VERIZON\13402

**T-1**

**VICINITY MAP**



THOMAS GUIDE PAGE: 1109 - C4



**ADDRESS**

1901 7/8 WOODLAND PARKWAY  
 ESCONDIDO, CA 92026

**DIRECTIONS:**

(FROM VZW'S OFFICES IN IRVINE):  
 FROM THE I-5S, MERGE ONTO VISTA WAY / CA-78 EAST.  
 TAKE THE BARHAM DR EXIT TOWARD WOODLAND PARKWAY.  
 TURN LEFT ONTO E BARHAM DR. TURN LEFT ONTO WOODLAND  
 PARKWAY. DESTINATION IS ON THE LEFT.

**SCALE**

THE DRAWING SCALES SHOWN IN THIS SET REPRESENT THE  
 CORRECT SCALE ONLY WHEN THESE DRAWINGS ARE PRINTED IN A  
 24" x 36" FORMAT. IF THIS DRAWING SET IS NOT 24" x 36", THIS  
 SET IS NOT TO SCALE. ALL DRAWINGS ARE SCHEMATIC. DO NOT  
 SCALE DRAWINGS TO DETERMINE OR VERIFY ANY DIMENSIONS.  
 DRAWINGS OF ANY SIZE SHALL NEVER BE SCALED FOR ANYTHING  
 OTHER THAN GENERAL REFERENCE.

**CONSULTANT TEAM**

**ARCHITECT:**  
 BOOTH & SUAREZ ARCHITECTURE INC.  
 325 CARLSBAD VILLAGE DRIVE, SUITE D2  
 CARLSBAD, CA 92008  
 (760) 434-8474  
 (760) 434-8596 (FAX)

**LEASING/PLANNING:**  
 M&M TELECOM INC.  
 LEASING  
 NICOLE MEYERS  
 PO BOX 55  
 POWAY, CA 92074  
 (619) 602-5600  
 nicole.meyers@mmtelcominc.com  
 PLANNING  
 LISA MERCURIO  
 PO BOX 55  
 POWAY, CA 92074  
 (858) 248-2461  
 lisa.mercurio@mmtelcominc.com

**SURVEYOR:**  
 JRN CIVIL ENGINEERS  
 232 AVENIDA FABRICANTE, SUITE 107  
 SAN CLEMENTE, CA 92672  
 CONTACT: JEFFERY L. MAYS  
 (949) 248-4685

**ACCESSIBILITY DISCLAIMER**

THIS PROJECT IS AN UNOCCUPIED WIRELESS PCS  
 TELECOMMUNICATIONS FACILITY AND, ACCORDING TO WRITTEN  
 INTERPRETATION FROM THE CALIFORNIA DEPARTMENT OF THE STATE  
 ARCHITECT, IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.

**PERMITS REQUIRED**

● CUP

**PROJECT SUMMARY**

**APPLICANT:** VERIZON WIRELESS  
 15505 SAND CANYON AVENUE  
 IRVINE, CA 92618  
 CONTACT: NICOLE MEYERS, M&M TELECOM  
 PHONE: (619) 602-5600

**OWNER:** ESCONDIDO HOA (MANAGED BY TOWER SEEKERS)  
 3805 SHALE CT  
 CARLSBAD, CA 92010  
 CONTACT: TOD HUNNICUTT  
 PHONE: (877) 897-0646

**PROJECT DESCRIPTION:**

- INSTALLATION OF VERIZON WIRELESS TELECOMMUNICATIONS EQUIPMENT CABINETS INSIDE A NEW SPLIT FACE CONCRETE BLOCK EQUIPMENT ENCLOSURE ON A NEW CONCRETE PAD.
- INSTALLATION OF THREE (3) VERIZON WIRELESS ANTENNA SECTORS, OF FOUR (4) ANTENNAS EACH (TOTAL OF TWELVE (12) ANTENNAS) MOUNTED ON A NEW 40'-0" HIGH FAUX EUCALYPTUS
- INSTALLATION OF FOUR (4) VERIZON WIRELESS RRU UNITS PER SECTOR (TOTAL OF TWELVE (12) RRU'S) MOUNTED BEHIND ANTENNAS ON A NEW 40'-0" HIGH FAUX EUCALYPTUS
- INSTALLATION OF ONE (1) VERIZON WIRELESS 4'-0" MICROWAVE DISH ANTENNA (FOR TELCO SERVICE FEED) MOUNTED ON A NEW 40'-0" HIGH FAUX EUCALYPTUS
- INSTALLATION OF (3) THREE VERIZON WIRELESS E/911 GPS ANTENNAS
- INSTALLATION OF A 10KW ENCLOSED EMERGENCY GENERATOR WITH A 55 GALLON DIESEL TANK ON A CONCRETE PAD WITH A CONTAINMENT CURB INSIDE PROPOSED CONCRETE BLOCK EQUIPMENT ENCLOSURE
- INSTALLATION OF A NEW 200 AMP ELECTRICAL SERVICE
- INSTALLATION OF A NEW TELCO SERVICE CONNECTION
- LANDSCAPE IS PLANNED FOR THIS PROJECT

**PROJECT ADDRESS:** 1901 7/8 WOODLAND PKWY  
 ESCONDIDO, CA 92026

**ASSESSORS PARCEL NUMBER:** 187-720-23

**EXISTING ZONING:** S-P (MESA ROCK TIER 2-C)

**TOTAL SITE AREA:** 3,126,098 S.F.  
 = 71.77 ACRES

**PROPOSED PROJECT AREA:**  
**EQUIPMENT ENCLOSURE:** 408 SF

**PROPOSED TYPE OF CONSTRUCTION:** TYPE VB

**PROPOSED OCCUPANCY:** U

**SHEET SCHEDULE**

T-1	TITLE SHEET AND PROJECT DATA
A-0	SITE PLAN
A-1	ENLARGED SITE PLAN
A-2	EQUIPMENT ENCLOSURE PLAN
A-3	CHAIN LINK LID PLAN
A-4	EXTERIOR ELEVATIONS
A-5	EXTERIOR ELEVATIONS
A-6	ANTENNA PLAN AND FAUX EUCALYPTUS TREE ELEVATION
C-1	TOPOGRAPHIC SURVEY
C-2	TOPOGRAPHIC SURVEY

**LEGAL DESCRIPTION**

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:  
 LOTS RR, SS, TT, XX AND GG1, OF ESCONDIDO TRACT NO. 683-H, IN THE CITY OF ESCONDIDO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 12615, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, APRIL 26, 1990.

FOR ADDITIONAL LEGAL DESCRIPTION INFORMATION SEE SHEET C-1

**APPLICABLE CODES**

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:  
 CALIFORNIA STATE BUILDING CODE, TITLE 24, 2010 EDITION  
 CALIFORNIA PLUMBING CODE, 2010 EDITION  
 CALIFORNIA MECHANICAL CODE, 2010 EDITION  
 CALIFORNIA ELECTRICAL CODE, 2010 EDITION  
 CALIFORNIA FIRE CODE, 2010 EDITION  
 CALIFORNIA ENERGY CODE, 2010 EDITION

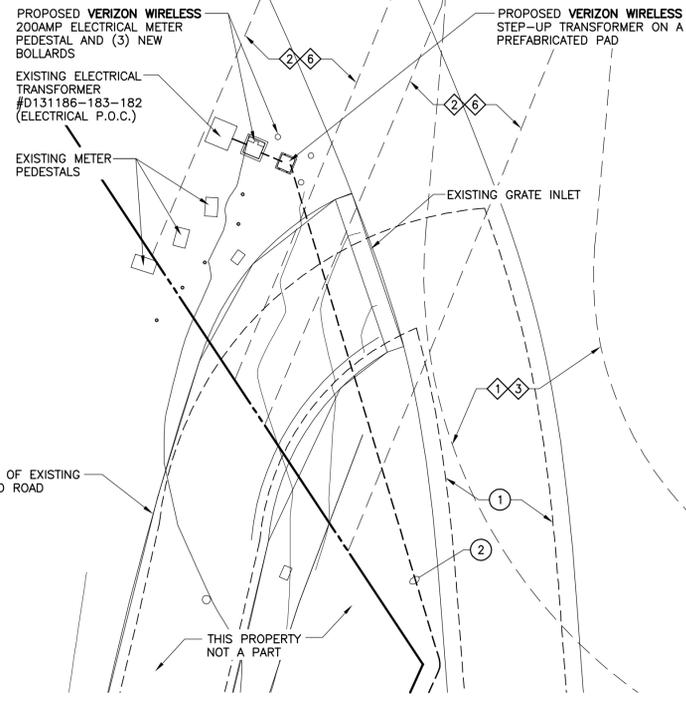
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

**EASEMENT NOTES:**

- ◇ EXISTING EASEMENT FOR THE PURPOSE TO ERECT, CONSTRUCT, RECONSTRUCT, RPEPLACE, REPAIR, MAINTAIN AND USE A PIPE LINE OR PIPE LINES FOR ANY AND ALL PURPOSES
- ◇ EXISTING EASEMENT FOR PUBLIC UTILITY AND ACCESS
- ◇ EXISTING EASEMENT FOR 20' WATER LINE AND 20' ACCESS AND UTILITY
- ◇ EXISTING EASEMENT FOR VEHICULAR AND PEDESTRIAN INGRESS AND EGRESS
- ◇ EXISTING EASEMENT FOR PRIVATE ROAD
- ◇ VARIOUS EASEMENTS PER P.M. NO. 12615

**SITE PLAN NOTES:**

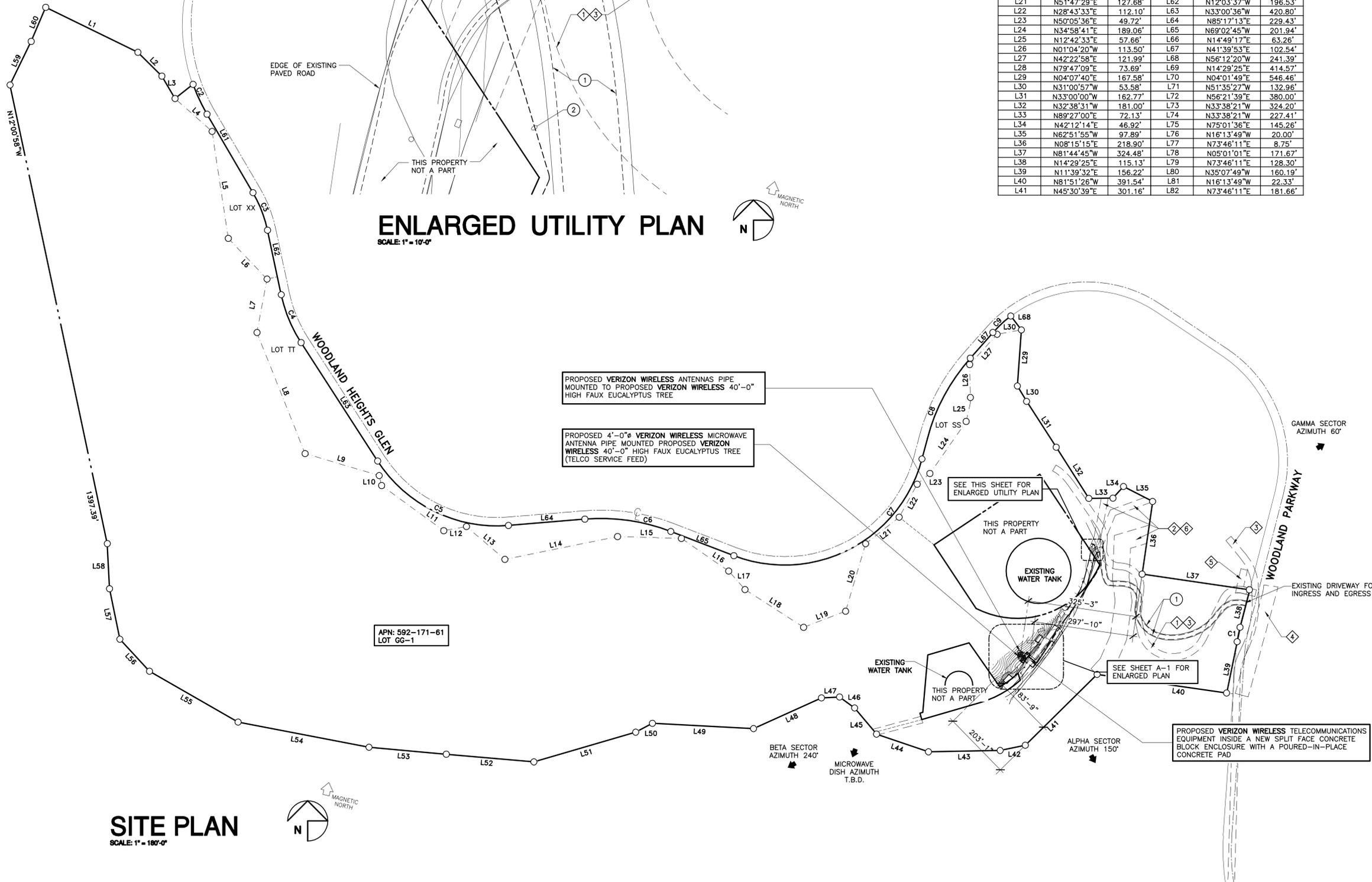
- ① PROPOSED VERIZON WIRELESS 12'-0" WIDE NON-EXCLUSIVE TECHNICIAN PARKING AND ACCESS PATH OF TRAVEL
- ② PROPOSED ELECTRICAL CONDUIT TRENCH TO LEASE AREA. PRELIMINARY UTILITY ROUTE TO BE FIELD VERIFIED AND ADJUSTED ACCORDINGLY DURING CONSTRUCTION. PROVIDE (1) 17"x30" ELECTRICAL PULL BOX AFTER EVERY (2) BENDS OR AT 250'-0" O.C. MAX (TYPICAL OF 2)



**ENLARGED UTILITY PLAN**  
SCALE: 1" = 10'-0"

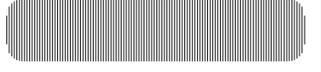
CURVE	DELTA	RADIUS	LENGTH
C1	Δ=5°33'32"	426.00'	43.81'
C2	Δ=52°41'50"	500.00'	459.87'
C3	Δ=18°24'37"	400.00'	128.53'
C4	Δ=20°56'59"	400.00'	146.26'
C5	Δ=61°42'11"	400.00'	430.27'
C6	Δ=25°40'02"	610.00'	273.27'
C7	Δ=96°07'58"	400.00'	671.13'
C8	Δ=26°50'36"	610.00'	285.79'
C9	Δ=82°07'47"	400.00'	573.37'
C10	Δ=70°41'45"	400.00'	493.55'
C11	Δ=10°27'36"	400.00'	73.02'
C12	Δ=13°01'27"	610.00'	138.66'
C13	Δ=93°07'58"	270.00'	438.88'
C14	Δ=13°30'08"	290.00'	68.34'
C15	Δ=25°28'10"	310.00'	137.80'

LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L1	N6°04'53"W	306.49'	L42	N78°16'06"E	76.79'
L2	N45°20'16"W	100.93'	L43	N88°55'46"E	214.63'
L3	N30°28'46"W	77.69'	L44	N71°14'48"W	164.01'
L4	N48°32'05"W	147.95'	L45	N40°08'07"W	101.80'
L5	N08°40'02"W	322.34'	L46	N53°59'56"W	55.69'
L6	N43°44'15"W	167.75'	L47	N87°06'12"E	54.18'
L7	N10°42'27"E	162.23'	L48	N65°47'53"E	222.85'
L8	N21°44'11"W	388.27'	L49	N87°01'32"W	303.06'
L9	N73°32'11"W	231.21'	L50	N62°07'17"E	56.50'
L10	N14°03'32"W	30.61'	L51	N73°47'54"E	317.23'
L11	N54°04'14"W	229.43'	L52	N85°01'19"W	263.21'
L12	N79°37'15"E	69.09'	L53	N84°52'28"W	232.18'
L13	N49°33'16"W	150.95'	L54	N79°08'36"W	398.78'
L14	N78°36'42"E	344.17'	L55	N60°15'37"W	305.41'
L15	N88°21'35"W	190.96'	L56	N42°55'12"W	130.19'
L16	N55°29'53"W	171.77'	L57	N11°37'05"W	153.62'
L17	N41°32'15"W	73.66'	L58	N02°50'14"W	134.56'
L18	N57°18'32"W	208.32'	L59	N25°54'49"E	144.42'
L19	N69°09'46"E	134.47'	L60	N23°18'32"E	110.43'
L20	N16°34'52"E	210.19'	L61	N30°28'14"W	271.39'
L21	N51°47'29"E	127.68'	L62	N12°03'37"W	196.53'
L22	N28°43'33"E	112.10'	L63	N33°00'36"W	420.80'
L23	N50°05'36"E	49.72'	L64	N85°17'13"E	229.43'
L24	N34°58'41"E	189.06'	L65	N69°02'45"W	201.94'
L25	N12°42'33"E	57.66'	L66	N14°49'17"E	63.26'
L26	N01°04'20"W	113.50'	L67	N41°39'53"E	102.54'
L27	N42°22'58"E	121.99'	L68	N56°12'20"W	241.39'
L28	N79°47'09"E	73.69'	L69	N14°29'25"E	414.57'
L29	N04°07'40"E	167.58'	L70	N04°01'49"E	546.46'
L30	N31°00'57"W	53.58'	L71	N51°35'27"W	132.96'
L31	N33°00'00"W	162.77'	L72	N56°21'39"E	380.00'
L32	N32°38'31"W	181.00'	L73	N33°38'21"W	324.20'
L33	N89°27'00"E	72.13'	L74	N33°38'21"W	227.41'
L34	N42°12'14"E	46.92'	L75	N75°01'36"E	145.26'
L35	N62°51'55"W	97.89'	L76	N16°13'49"W	20.00'
L36	N08°15'15"E	218.90'	L77	N73°46'11"E	8.75'
L37	N81°44'45"W	324.48'	L78	N05°01'01"E	171.67'
L38	N14°29'25"E	115.13'	L79	N73°46'11"E	128.30'
L39	N11°39'32"E	156.22'	L80	N35°07'49"W	160.19'
L40	N81°51'26"W	391.54'	L81	N16°13'49"W	22.33'
L41	N45°30'39"E	301.16'	L82	N73°46'11"E	181.66'



**SITE PLAN**  
SCALE: 1" = 100'-0"

**Booth & Suarez**  
ARCHITECTURE INCORPORATED  
325 CARLSBAD VILLAGE DRIVE, SUITE D2  
CARLSBAD, CA 92008 (760) 434-8474



PREPARED FOR  
**verizon wireless**  
P.O. BOX 19707  
IRVINE, CA 92623-9707  
(949) 286-7000

APPROVALS

A&C	DATE
RE	DATE
RF	DATE
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OPS	DATE
EE/OUT	DATE

PROJECT NAME  
**EMERALD HEIGHTS**  
1901 7/8 WOODLANDS PARKWAY  
ESCONDIDO, CA 92026  
SAN DIEGO COUNTY

DRAWING DATES  
01/29/14 90% ZD (ic)  
02/03/14 100% ZD (nt)  
02/10/14 100% ZD Revision 1 (hc)

SHEET TITLE  
**SITE PLAN**

PROJECTS\VERIZON\13402

**A-0**



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APPROVALS

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 ESCONDIDO, CA 92026  
 SAN DIEGO COUNTY

DRAWING DATES

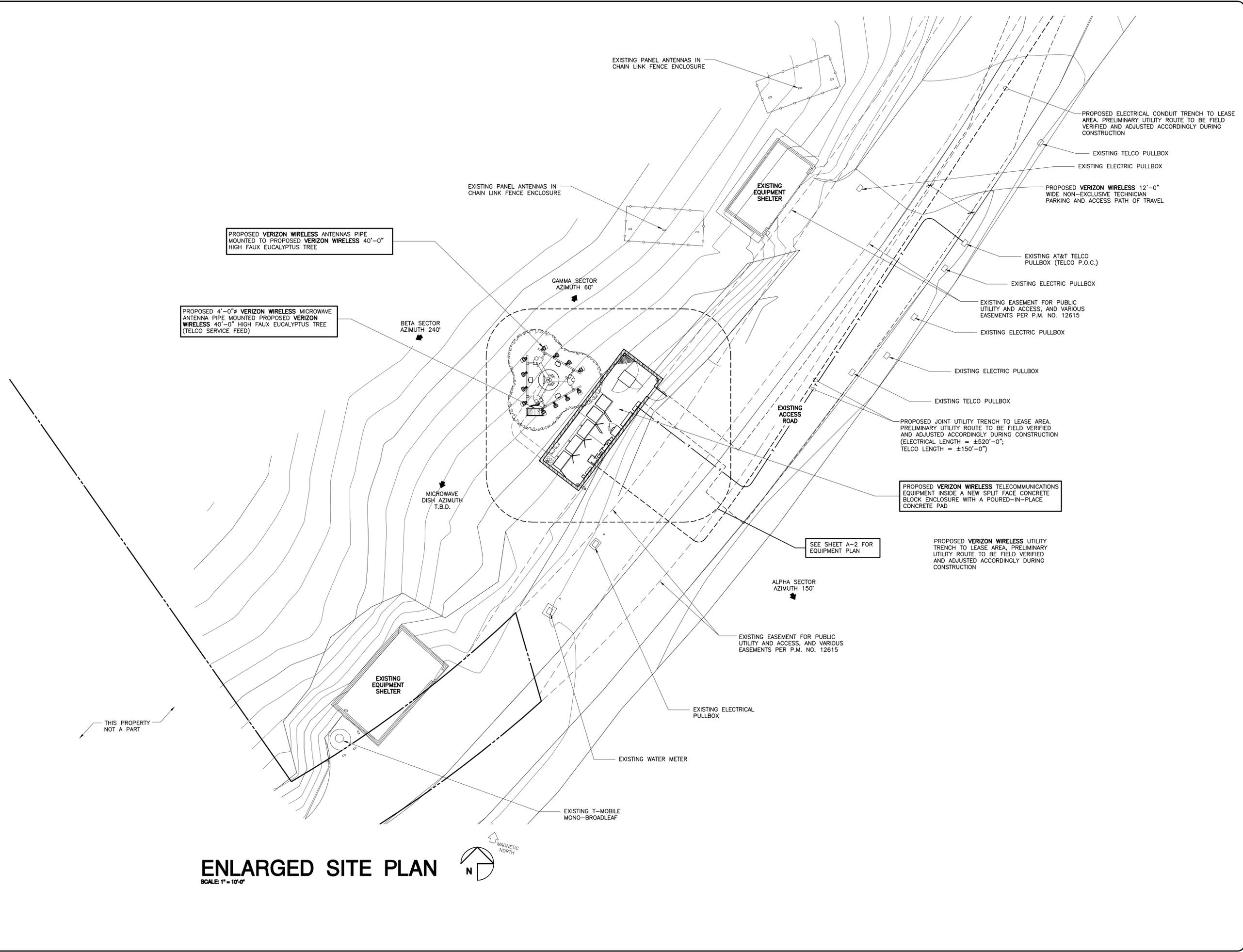
01/29/14	90% ZD (ic)
02/03/14	100% ZD (nt)
02/10/14	100% ZD Revision 1 (hc)

SHEET TITLE

**ENLARGED SITE PLAN**

PROJECTS\VERIZON\13402

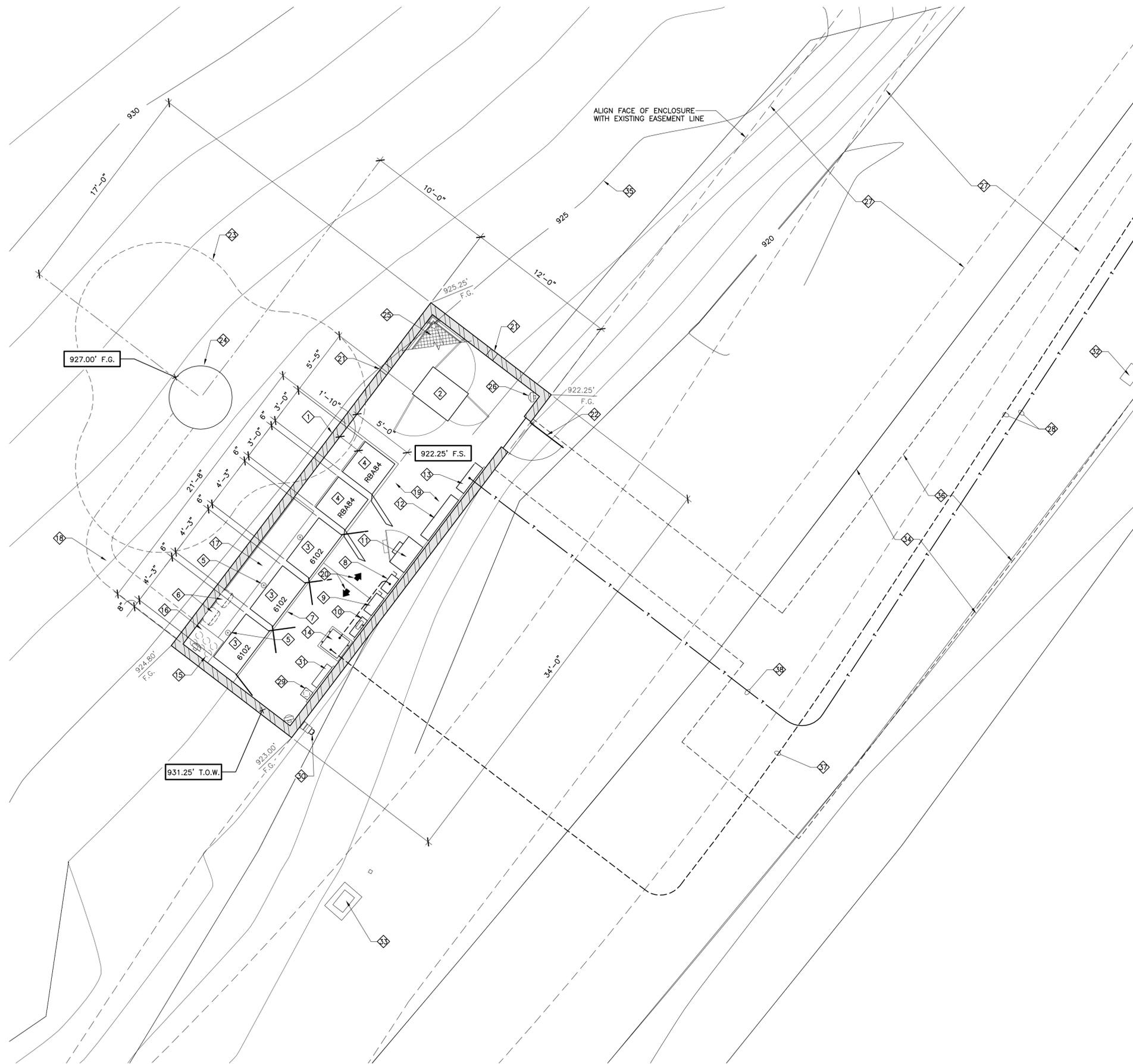
**A-1**



**ENLARGED SITE PLAN**

SCALE: 1" = 10'-0"

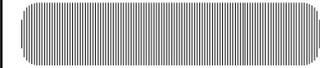




**EQUIPMENT ENCLOSURE PLAN NOTES:**

- 1 PROPOSED LEASE AREA VERIZON WIRELESS SPLIT FACE CONCRETE BLOCK WALL EQUIPMENT ENCLOSURE (SHOWN SHADED).
- 2 PROPOSED VERIZON WIRELESS 10KW ENCLOSED EMERGENCY GENERATOR WITH A 55 GALLON DOUBLE WALL SUBBASE DIESEL FUEL TANK ON A POURED-IN-PLACE CONCRETE PAD. "POLAR" DC GENERATOR UNIT OR EQUIVALENT SIZED UNIT WITH A SINGLE UNIT SOUND PRESSURE LEVEL OF 63 DBA AT A REFERENCE DISTANCE OF 23 FEET. 32.5" WIDE X 86.6" HIGH X 42.5" DEEP. WEIGHT: 1413 LBS.
- 3 PROPOSED VERIZON WIRELESS 'RBS-6102 ENB' OUTDOOR EQUIPMENT ENCLOSURE (TYPICAL OF 2) 51" WIDE X 77" HIGH X 30" DEEP. WEIGHT: 1984 LBS.
- 4 PROPOSED VERIZON WIRELESS BATTERY CABINET, "COMMSCOPE" (BAT-RBA84) (TYPICAL OF 2). 36.1" WIDE X 84" HIGH X 39.4" DEEP. WEIGHT: 4750 LBS.
- 5 PROPOSED GPS ANTENNA MOUNTED TO EACH "6102 ENB" EQUIPMENT CABINET (TYPICAL OF 3).
- 6 PROPOSED RAYCAP DC SURGE PROTECTION UNITS MOUNTED HIGH UP ON WALL (TYPICAL OF 2)
- 7 PROPOSED RAISED CONCRETE PAD FOR VERIZON WIRELESS CABINETS.
- 8 PROPOSED FUSED DISCONNECT SWITCH UNISTRUT MOUNTED TO WALL
- 9 PROPOSED MANUAL TRANSFER SWITCH UNISTRUT MOUNTED TO WALL
- 10 PROPOSED 200 AMP ELECTRICAL PANEL UNISTRUT MOUNTED TO WALL
- 11 PROPOSED TELCO CABINET "NORTHSTAR" NSC-3630-HX23 UNISTRUT MOUNTED TO WALL
- 12 PROPOSED SPACE FOR "UAM" & "CIENA" TELCO EQUIPMENT UNISTRUT MOUNTED TO WALL
- 13 PROPOSED "SUN WEST" TELCO CABINET UNISTRUT MOUNTED TO WALL
- 14 PROPOSED VERIZON WIRELESS STEP-DOWN TRANSFORMER ON A PREFABRICATED PAD
- 15 PROPOSED (6) 6" COAX CABLE CONDUITS
- 16 PROPOSED COAX CABLE SHROUD
- 17 PROPOSED COAX CABLE TRAY. MAXIMUM HEIGHT 8" ABOVE CONCRETE EQUIPMENT PAD AND ROUTED ON BACK WALL OF ENCLOSURE
- 18 PROPOSED VERIZON WIRELESS UNDERGROUND COAX CABLE TRENCH (SHOWN DASHED)
- 19 PROPOSED POURED-IN-PLACE CONCRETE PAD FOR VERIZON WIRELESS CABINETS.
- 20 CONCRETE SLOPED TO DRAIN. 1% MIN.
- 21 PROVIDE 4" x 8" OPENING AT BASE OF WALL FOR DRAIN (TYP. OF 2)
- 22 PROPOSED STEEL GATE AND FRAME WITH LOCKABLE ACCESS & VERIZON WIRELESS SIGNAGE
- 23 PROPOSED VERIZON WIRELESS FAUX EUCALYPTUS TREE
- 24 PROPOSED FAUX EUCALYPTUS TREE CAISSON FOOTING
- 25 PROPOSED CHAINLINK LID
- 26 PROPOSED WALL MOUNTED LIGHT FIXTURE ON A MANUAL TIMER SWITCH (TYPICAL OF 4)
- 27 EXISTING EASEMENT FOR PUBLIC UTILITY AND ACCESS, AND VARIOUS EASEMENTS PER P.M. NO. 12615
- 28 PROPOSED JOINT UNDERGROUND UTILITY TRENCH
- 29 PROPOSED CLASS ABC FIRE EXTINGUISHER IN A WEATHERPROOF CABINET MOUNTED TO WALL
- 30 PROPOSED VERIZON WIRELESS REVERSE GENERATOR RECEPTACLE FOR EMERGENCY GENERATOR CONNECTION MOUNTED TO WALL
- 31 PROPOSED SPILL KIT MOUNTED TO WALL
- 32 EXISTING TELCO PULLBOX
- 33 EXISTING ELECTRICAL PULLBOX
- 34 EXISTING ASPHALT PAVED ROAD
- 35 EXISTING CONTOUR LINES @ 1'-0" INTERVALS
- 36 PROPOSED 12'-0" WIDE VERIZON WIRELESS NON-EXCLUSIVE TECHNICIAN PARKING AND ACCESS PATH OF TRAVEL
- 37 PROPOSED UNDERGROUND ELECTRICAL CONDUIT TRENCH
- 38 PROPOSED UNDERGROUND TELCO CONDUIT TRENCH

**EQUIPMENT ENCLOSURE PLAN**  
SCALE: 3/8" = 1'-0"



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PROJECT NAME

**EMERALD HEIGHTS**

1901 7/8 WOODLANDS PARKWAY  
ESCONDIDO, CA 92026  
SAN DIEGO COUNTY

DRAWING DATES

01/29/14	90% ZD (ic)
02/03/14	100% ZD (nt)
02/10/14	100% ZD Revision 1 (hc)

SHEET TITLE

**EQUIPMENT ENCLOSURE PLAN**

PROJECTS\VERIZON\13402

**A-2**



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 ESCONDIDO, CA 92026  
 SAN DIEGO COUNTY

DRAWING DATES

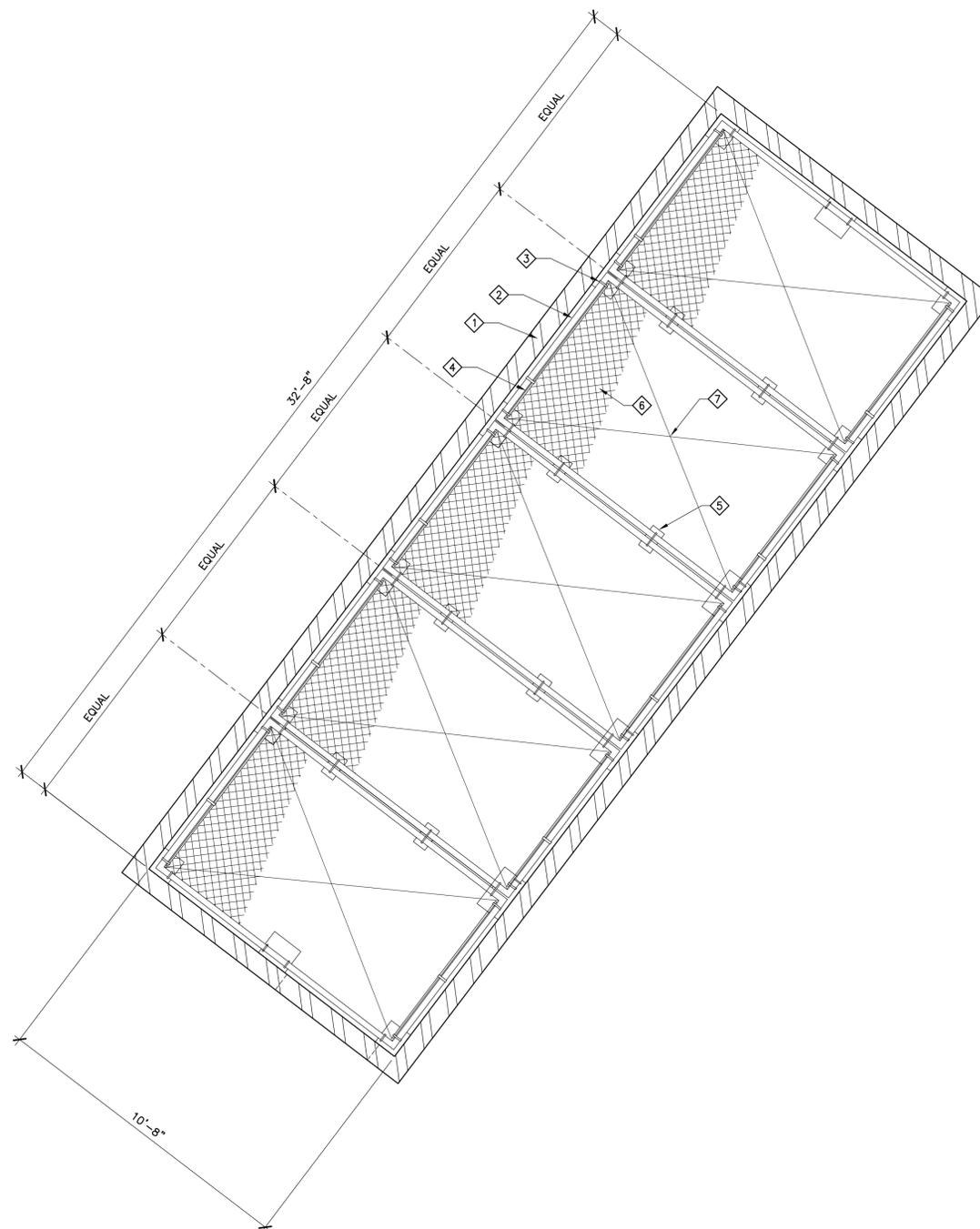
01/29/14	90% ZD (ic)
02/03/14	100% ZD (nt)
02/10/14	100% ZD Revision 1 (hc)

SHEET TITLE

**CHAIN LINK LID PLAN**

PROJECTS\VERIZON\13402

**A-3**



**CHAINLINK LID PLAN NOTES:**

- 1 PROPOSED VERIZON WIRELESS SPLIT FACE CONCRETE BLOCK WALL ENCLOSURE
- 2 PROPOSED 3" SCHEDULE 40 GALVANIZED STANDARD PIPE FRAME (TYPICAL)
- 3 PROPOSED GALVANIZED STEEL PIPE CLAMPS FOR CHAINLINK TENSIONER STRIP (TYPICAL)
- 4 PROPOSED GALVANIZED TENSIONER STRIP (TYPICAL)
- 5 PROPOSED BRACKET SUPPORT CLAMP FOR CHAINLINK LID AT 4'-0" O.C. (TYPICAL)
- 6 PROPOSED GALVANIZED CHAINLINK MESH PARTIALLY REMOVED FOR CLARITY. PROVIDE STANDARD WIRE TIES TO FRAME @ 12" O.C. WITH DOUBLE KNOTS ON BOTTOM SIDE OF FRAME (TYPICAL)
- 7 "X" INDICATES A SINGLE PANEL OF THE CHAINLINK LID (TYPICAL)

**CHAIN LINK LID PLAN**

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





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**EMERALD HEIGHTS**

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SAN DIEGO COUNTY

DRAWING DATES

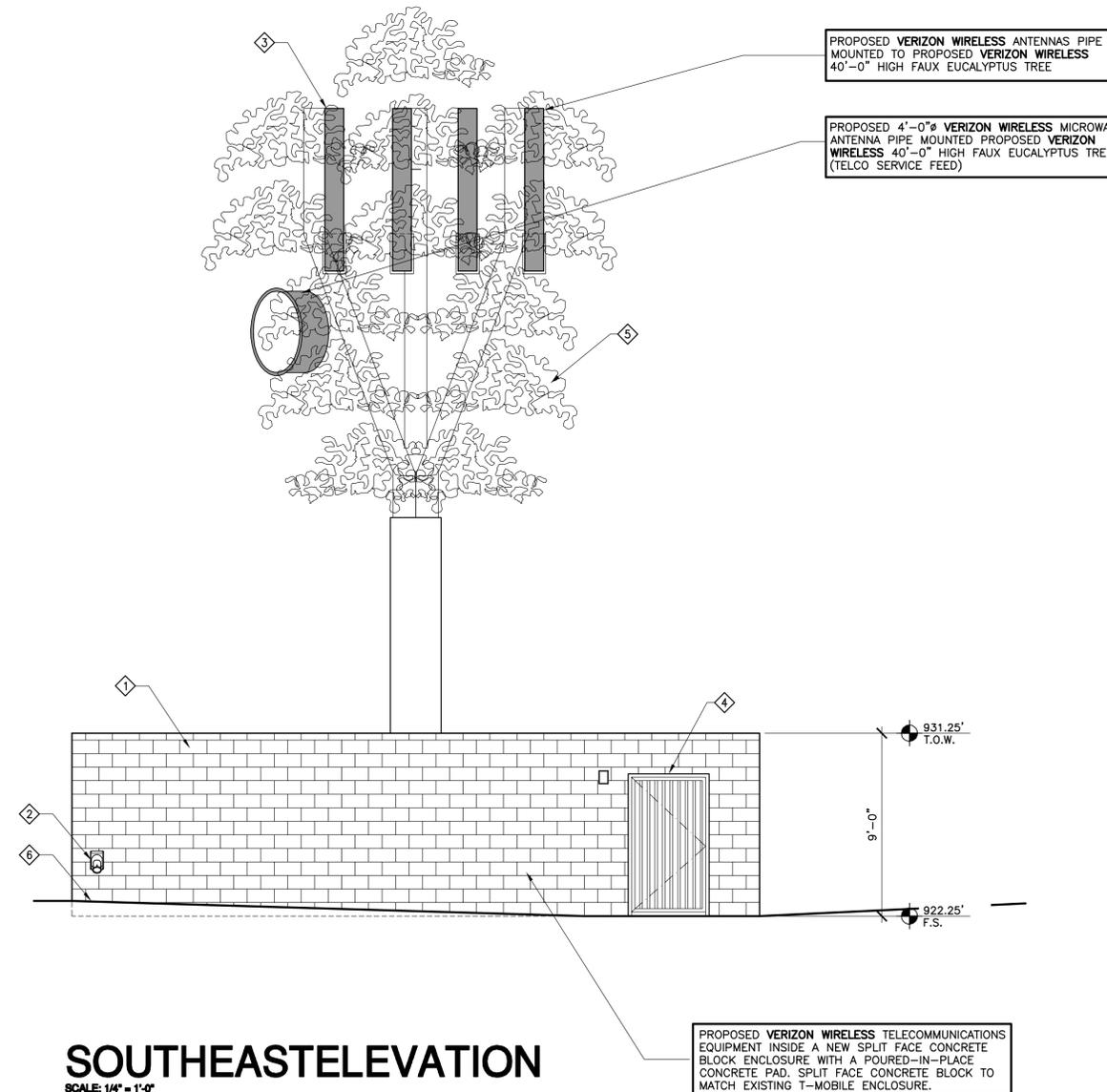
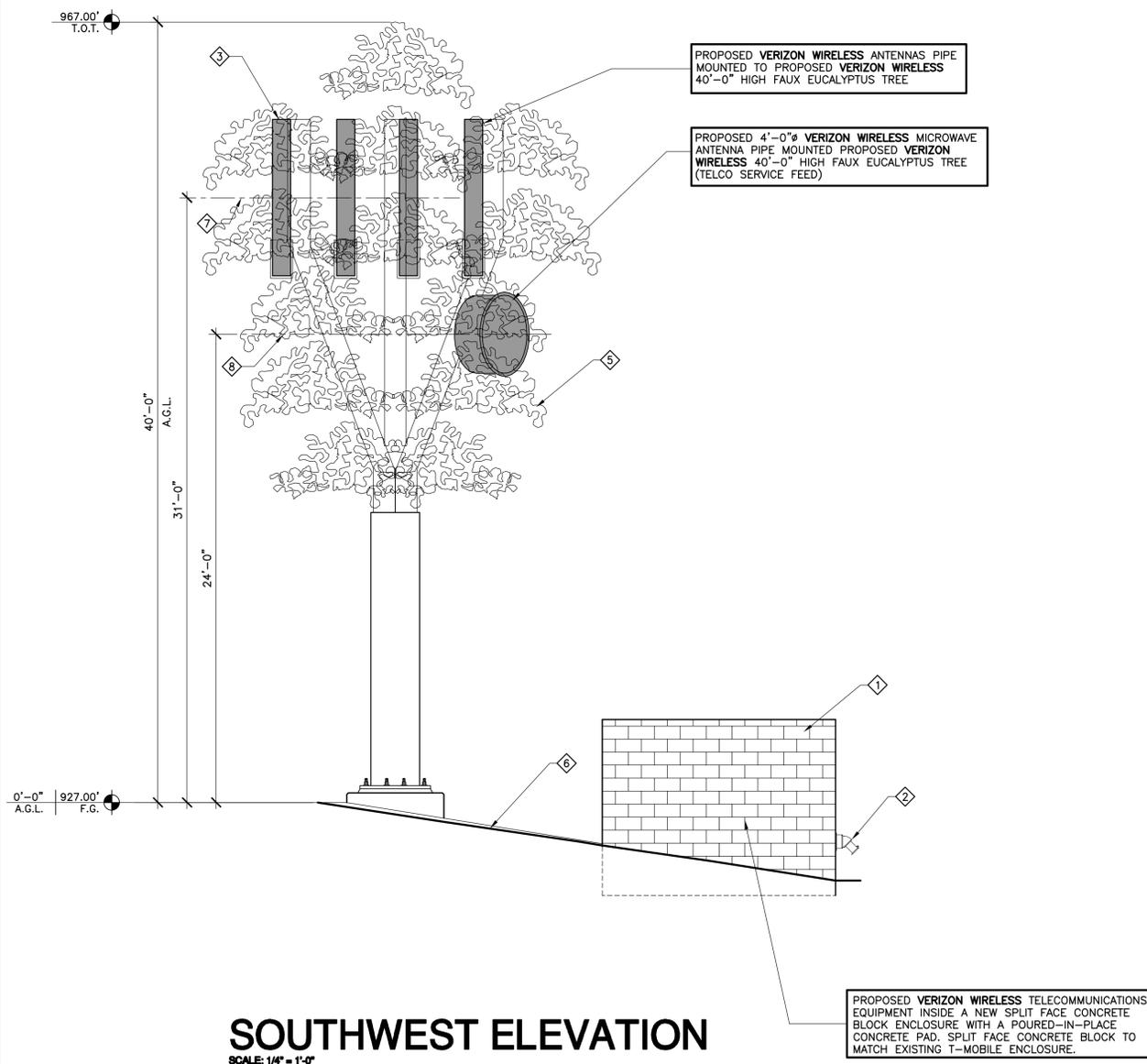
01/29/14	90% ZD (ic)
02/03/14	100% ZD (nt)
02/10/14	100% ZD Revision 1 (hc)

SHEET TITLE

**EXTERIOR ELEVATIONS**

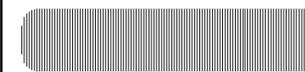
PROJECTS\VERIZON\13402

**A-4**



**ELEVATION NOTES:**

- 1 PROPOSED VERIZON WIRELESS EQUIPMENT INSIDE A SPLIT FACE CONCRETE BLOCK ENCLOSURE WALL ON A CONCRETE PAD
- 2 PROPOSED VERIZON WIRELESS REVERSE SERVICE GENERATOR RECEPTACLE FOR EMERGENCY GENERATOR CONNECTION MOUNTED TO CONCRETE BLOCK WALL
- 3 PROPOSED VERIZON WIRELESS ANTENNAS
- 4 PROPOSED 4'-0" WIDE STEEL GATE & FRAME WITH VERIZON WIRELESS SIGNAGE
- 5 PROPOSED FAUX EUCALYPTUS
- 6 EXISTING GRADE
- 7 CENTERLINE OF VERIZON WIRELESS ANTENNAS
- 8 CENTERLINE OF VERIZON WIRELESS MICROWAVE ANTENNA



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**EMERALD HEIGHTS**

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 ESCONDIDO, CA 92026  
 SAN DIEGO COUNTY

DRAWING DATES

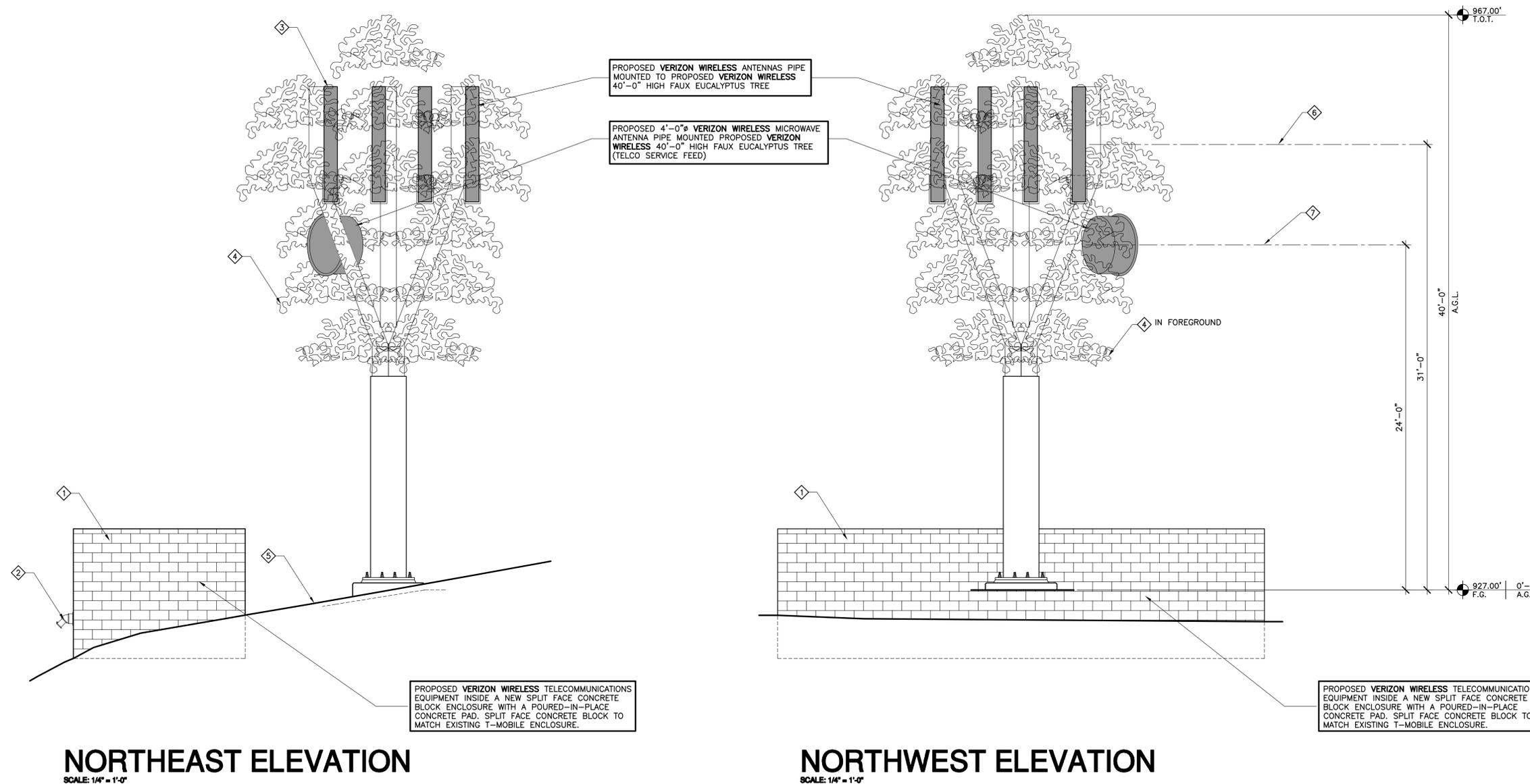
01/29/14	90% ZD (ic)
02/03/14	100% ZD (nt)
02/10/14	100% ZD Revision 1 (hc)

SHEET TITLE

**EXTERIOR ELEVATIONS**

PROJECTS\VERIZON\13402

**A-5**



24" MINIMUM CLEAR FROM EDGE OF ANTENNA TO EDGE OF BRANCH FOLIAGE

PROPOSED VERIZON WIRELESS ANTENNAS PIPE MOUNTED TO 40'-0" HIGH FAUX EUCALYPTUS TREE. PROVIDE EACH ANTENNA WITH "SOCK COVER" TO MATCH PROPOSED FAUX EUCALYPTUS BRANCHES

PROPOSED VERIZON WIRELESS RRU MOUNTED BEHIND ANTENNA ON MOUNTING PIPE

APPROXIMATE OUTLINE OF FAUX EUCALYPTUS BRANCHES AT ANTENNA LEVEL

PROPOSED 4'-0" VERIZON WIRELESS MICROWAVE ANTENNA PIPE MOUNTED TO 40'-0" HIGH FAUX EUCALYPTUS TREE.

# ANTENNA PLAN

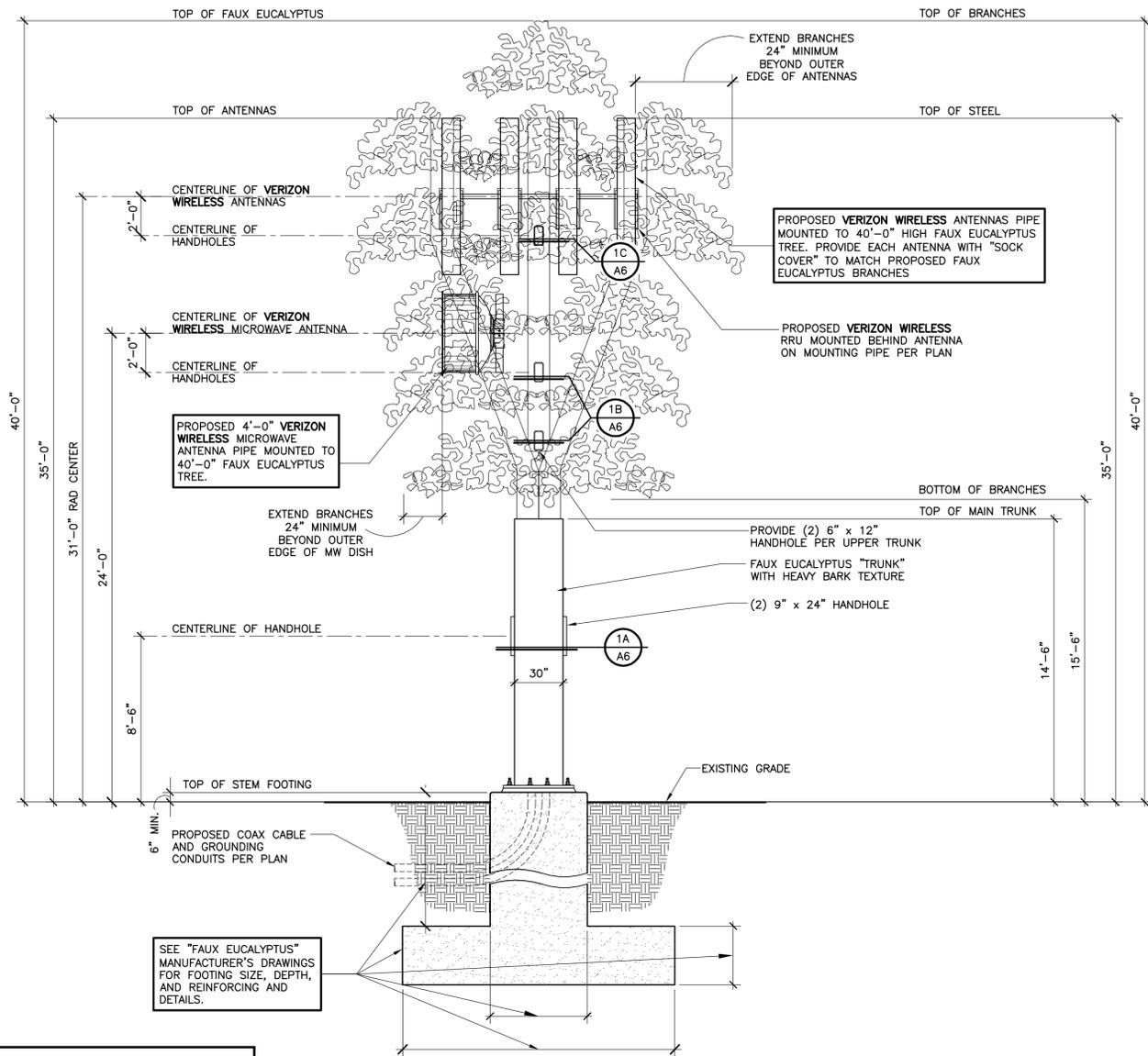
SCALE: 1/4" = 1'-0"

GAMMA SECTOR AZIMUTH 60°

BETA SECTOR AZIMUTH 240°

ALPHA SECTOR AZIMUTH 150°

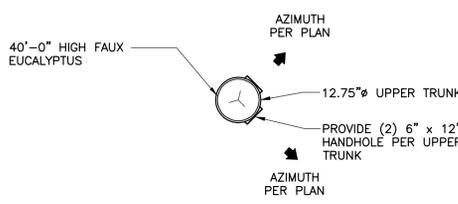
MICROWAVE DISH AZIMUTH T.B.D.



# FAUX EUCALYPTUS ELEVATION

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

NOTE: NO EXPOSED PIPES ABSENT ANTENNAS SHALL BE INSTALLED AT ANY TIME.

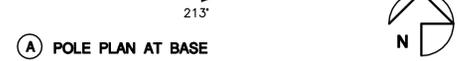
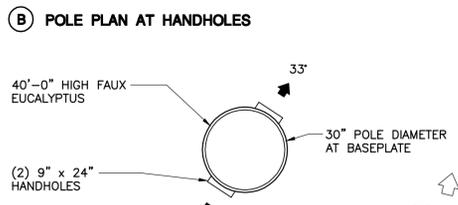
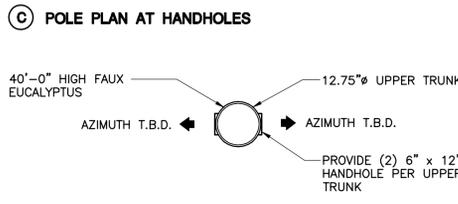


NOTE: ANTENNA AZIMUTHS SHOWN ARE FOR REFERENCE ONLY. ONLY TWO UPPER PORTS ARE REQUIRED ON EACH UPPER TRUNK

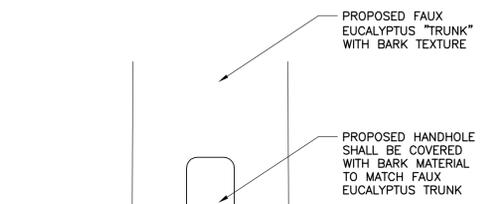
TRUNK (A) 30°, 150° (SEE ANTENNA PLAN)

TRUNK (B) 150°, 270° (SEE ANTENNA PLAN)

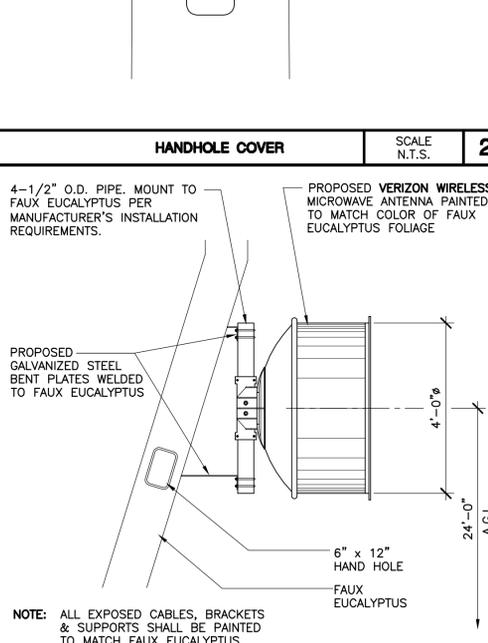
TRUNK (C) 270°, 30° (SEE ANTENNA PLAN)



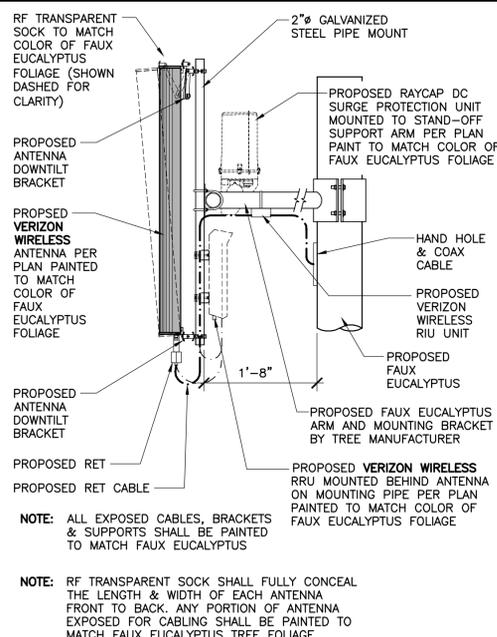
FAUX EUCALYPTUS DETAIL SCALE 1/2" = 1'-0" 1



HANDHOLE COVER SCALE N.T.S. 2



MICROWAVE ANTENNA MOUNT SCALE 1/2" = 1'-0" 3



TYPICAL ANTENNA MOUNT SCALE 1/2" = 1'-0" 4

ANTENNA AND COAXIAL CABLE SCHEDULE									
SECTOR ANTENNA	DIRECTION	AZIMUTH	DOWNTILT	SKEW ANGLE	SIZE	NUMBER OF CABLES PER SECTOR	COAX. CABLE LENGTH (+ / - 5')	JUMPER LENGTH (+ / - 3')	COAX SIZE
ALPHA1	SOUTHEAST	140°	0°	N/A	96" L x 15" W x 9.5" D	4 COAX, 3 HYBRID + RET CABLE	65'-0"	6'-0"	7/8"
ALPHA2					96" L x 15" W x 9.5" D				
ALPHA3					96" L x 15" W x 9.5" D				
ALPHA4					96" L x 15" W x 9.5" D				
BETA1	WEST	260°	0°	N/A	96" L x 15" W x 9.5" D	4 COAX, 3 HYBRID + RET CABLE	65'-0"	6'-0"	7/8"
BETA2					96" L x 15" W x 9.5" D				
BETA3					96" L x 15" W x 9.5" D				
BETA4					96" L x 15" W x 9.5" D				
GAMMA1	NORTHEAST	30°	0°	N/A	96" L x 15" W x 9.5" D	4 COAX, 3 HYBRID + RET CABLE	65'-0"	6'-0"	7/8"
GAMMA2					96" L x 15" W x 9.5" D				
GAMMA3					96" L x 15" W x 9.5" D				
GAMMA4					96" L x 15" W x 9.5" D				
MICROWAVE DISH	T.B.D.	-	-	-	4'-0" DIAMETER	1	60'-0"	-	1 1/4"

# BOOTH & SUAREZ

ARCHITECTURE INCORPORATED  
325 CARLSBAD VILLAGE DRIVE, SUITE D2  
CARLSBAD, CA 92008 (760) 434-8474

PREPARED FOR



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IRVINE, CA 92623-9707  
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## EMERALD HEIGHTS

1901 7/8 WOODLANDS PARKWAY  
ESCONDIDO, CA 92026  
SAN DIEGO COUNTY

DRAWING DATES

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SHEET TITLE

## ANTENNA PLAN & FAUX EUCALYPTUS TREE ELEVATION

PROJECTS\VERIZON\13402

# A-6

**ITEMS CORRESPONDING TO SCHEDULE "B":**

BY: COMMONWEALTH LAND TITLE COMPANY FILE NO: 08021187  
 4100 NEWPORT PLACE DR., SUITE 120 TITLE OFFICER: CHRIS MAZIAR  
 NEWPORT BEACH, CA 92660 DATE: DECEMBER 19, 2013  
 PHONE: (949) 724-3140

THE FOLLOWING ITEMS WERE FOUND IN SAID COMMITMENT AND ARE REFERENCED ON THIS MAP. COVENANTS AND AGREEMENTS LISTED HEREON CONTAIN NUMEROUS ITEMS THAT AFFECT THE SUBJECT PROPERTY, CONTENTS SHOULD BE REVIEWED TO DISCERN SPECIFICS

- ① WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS, THE EXTENT TO WHICH THIS ITEM AFFECTS THE SUBJECT PROPERTY CAN NOT BE DETERMINED FROM THE TITLE REPORT OR DOCUMENTS PROVIDED AND IS NOT PLOTTED HEREON.
- ② AN EASEMENT FOR AERIAL AND UNDERGROUND TELEPHONE, TELEGRAPH AND COMMUNICATION STRUCTURES AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED MARCH 4, 1911 IN BOOK 511, PAGE(S) 231, OF DEEDS. THE EXACT LOCATION AND/OR EXTENT OF SAID EASEMENT COULD NOT BE DETERMINED FROM RECORD DUE TO ILLIGIBLE DOCUMENT AND IS NOT PLOTTED HEREON.
- ③ AN EASEMENT FOR CONSTRUCTION OF 50 FOOT PIPE LINES OVER AND ACROSS SAID LAND AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED OCTOBER 2, 1925 IN BOOK 1127, PAGE(S) 155 AND 156, BOTH OF DEEDS. THE EXACT LOCATION AND/OR EXTENT OF SAID EASEMENT IS NOT DISCLOSED IN THE PUBLIC RECORDS AND IS NOT PLOTTED HEREON.
- ④ AN AGREEMENT TO WHICH REFERENCE IS HEREBY MADE FOR FULL PARTICULARS, REGARDING ROAD, RECORDED FEBRUARY 6, 1931 IN BOOK 1863, PAGE 109, OF DEEDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ⑤ AN EASEMENT FOR ROAD AND UTILITY AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED MARCH 26, 1958 IN BOOK 7009, PAGE(S) 68 OF OFFICIAL RECORDS. THIS ITEM DOES NOT AFFECTS THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- ⑥ AN AGREEMENT TO WHICH REFERENCE IS HEREBY MADE FOR FULL PARTICULARS, REGARDING JOINT USE OF CERTAIN RIGHTS-OF-WAY AND EASEMENTS RECORDED AUGUST 8, 1978 AS INSTRUMENT NO. 78-334829 OF OFFICIAL RECORDS. THE EXACT LOCATION AND/OR EXTENT OF SAID EASEMENT IS NOT DISCLOSED IN THE PUBLIC RECORDS AND IS NOT PLOTTED HEREON.
- ⑦ AN AGREEMENT TO WHICH REFERENCE IS HEREBY MADE FOR FULL PARTICULARS, REGARDING RIGHT OF ENTRY, RECORDED OCTOBER 7, 1980 AS INSTRUMENT NO. 80-330287 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON. RIGHT OF ENTRY OVER THE LOT MARKED "NOT A PART #3" PER MAP NO. 12615.
- ⑧ THE FACT THAT SAID LAND LIES WITH THE PALOS VISTA REORGANIZATION AREA, AS DISCLOSED BY INSTRUMENT RECORDED FEBRUARY 17, 1983 AS INSTRUMENT NO. 83-052019 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ⑨ THE FACT THAT A PORTION OF SAID LAND LIES WITHIN THE SAN MARCOS FIRE PROTECTION DISTRICT REORGANIZATION AREA AS DISCLOSED BY INSTRUMENT RECORDED OCTOBER 1, 1987 AS INSTRUMENT NO. 87-555493 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ⑩ AN EASEMENT FOR INGRESS, EGRESS AND TO CONSTRUCT, REPLACE, REPAIR, AND MAINTAIN WATER LINES AND ASSOCIATED FACILITIES OVER, UNDER, ALONG AND ACROSS A RIGHT-OF-WAY 25 FEET WIDE AND TO SPILL WATER IN NATURAL DRAINAGE CHANNELS AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED DECEMBER 19, 1987 AS INSTRUMENT NO. 87-09183 OF OFFICIAL RECORDS. THIS ITEM DOES NOT AFFECTS THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- ⑪ AN AMENDED AND RESTATED DEVELOPMENT AGREEMENT REGARDING PREVIOUS UNRECORDED AGREEMENTS AND AMENDMENTS THERETO, UPON THE TERMS, COVENANTS AND CONDITIONS CONTAINED THEREIN, RECORDED MAY 19, 1988 AS INSTRUMENT NO. 88-236767 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ⑫ AN AGREEMENT TO WHICH REFERENCE IS HEREBY MADE FOR FULL PARTICULARS, REGARDING A DEVELOPMENT AGREEMENT, RECORDED APRIL 25, 1989 AS INSTRUMENT NO. 89-215885 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ⑬ AN EASEMENT FOR THE PURPOSE TO CONSTRUCT, PLACE, OPERATE, INSPECT, MAINTAIN, IMPROVE, REPAIR, REPLACE AND REMOVE SUCH UNDERGROUND, ABOVE GROUND OR OVERHEAD CABLE TELEVISION FACILITIES AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED NOVEMBER 21, 1989 AS INSTRUMENT NO. 633011 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, THE EXACT LOCATION AND/OR EXTENT OF SAID EASEMENT IS NOT DISCLOSED IN THE PUBLIC RECORDS AND IS NOT PLOTTED HEREON.
- ⑭ AN EASEMENT FOR THE PURPOSE TO ERECT, CONSTRUCT, RECONSTRUCT, REPLACE, REPAIR, MAINTAIN AND USE A PIPE LINE OR PIPE LINES FOR ANY AND ALL PURPOSES, TOGETHER WITH THEIR NECESSARY FIXTURES AND APPURTENANCES INCLUDING BUT NOT LIMITED TO CONDUITS AND CABLE FOR POWER TRANSMISSION AND COMMUNICATION PURPOSES AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED JANUARY 12, 1990 AS INSTRUMENT NO. 90-021552 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- ⑮ AN EASEMENT FOR OPEN SPACE AND RIGHTS INCIDENTAL THERETO AS SHOWN OR AS OFFERED FOR DEDICATION ON THE RECORDED MAP NO. 12615. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE OVER THE WHOLE PROPERTY AND IS NOT PLOTTED HEREON.
- ⑯ AN EASEMENT FOR PUBLIC UTILITY AND ACCESS AND RIGHTS INCIDENTAL THERETO AS SHOWN OR AS OFFERED FOR DEDICATION ON THE RECORDED MAP NO. 12615. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- ⑰ AN EASEMENT FOR 20' WATER LINE AND 20' ACCESS AND UTILITY AND RIGHTS INCIDENTAL THERETO AS SHOWN OR AS OFFERED FOR DEDICATION ON THE RECORDED MAP NO. 12615. THE 20' WATER LINE DOES NOT AFFECT THE SUBJECT PROPERTY, THE 20' ACCESS AND UTILITY EASEMENT AFFECTS THE SUBJECT PROPERTY AND ARE BOTH PLOTTED HEREON.
- ⑱ AN EASEMENT FOR UTILITIES AND RIGHTS INCIDENTAL THERETO S SET FORTH IN A DOCUMENT RECORDED JULY 18, 1990 AS INSTRUMENT NO. 90-389484 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, THE EXACT LOCATION COULD NOT BE DETERMINED AND IS NOT PLOTTED HEREON.
- ⑳ COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN THE DOCUMENT RECORDED MARCH 18, 1991 AS INSTRUMENT NO. 1991-0118817 OF OFFICIAL RECORDS. THE PROVISIONS OF SAID COVENANTS, CONDITIONS AND RESTRICTIONS WERE EXTENDED TO INCLUDE THE HEREIN-DESCRIBED LAND BY AN INSTRUMENT RECORDED JUNE 5, 1991 AS INSTRUMENT NO. 1991-0287172 OF OFFICIAL RECORDS. MODIFICATION(S) OF SAID COVENANTS, CONDITIONS AND RESTRICTIONS RECORDED DECEMBER 2, 1991 AS INSTRUMENT NO. 1991-0618430 OF OFFICIAL RECORDS. THE PROVISIONS OF SAID COVENANTS, CONDITIONS AND RESTRICTIONS WERE EXTENDED TO INCLUDE THE HEREIN-DESCRIBED LAND BY AN INSTRUMENT RECORDED NOVEMBER 1, 1991 AS INSTRUMENT NO. 1991-0566310 OF OFFICIAL RECORDS. MODIFICATION(S) OF SAID COVENANTS, CONDITIONS AND RESTRICTIONS RECORDED DECEMBER 17, 1991 AS INSTRUMENT NO. 1991-0651940 OF OFFICIAL RECORDS. THE PROVISIONS OF SAID COVENANTS, CONDITIONS AND RESTRICTIONS WERE EXTENDED TO INCLUDE THE HEREIN-DESCRIBED LAND BY AN INSTRUMENT RECORDED NOVEMBER 13, 1992 AS INSTRUMENT NO. 1992-0729037 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ㉑ COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN THE DOCUMENT RECORDED MARCH 18, 1991 AS INSTRUMENT NO. 1991-0118818 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ㉒ AN AGREEMENT TO WHICH REFERENCE IS HEREBY MADE FOR FULL PARTICULARS RECORDED MARCH 22, 1991 AS INSTRUMENT NO. 1991-0127367 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.

- ㉓ AN AGREEMENT TO WHICH REFERENCE IS HEREBY MADE FOR FULL PARTICULARS RECORDED MARCH 22, 1991 AS INSTRUMENT NO. 1991-0127368 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- ㉔ AN AGREEMENT TO WHICH REFERENCE IS HEREBY MADE FOR FULL PARTICULARS RECORDED AUGUST 16, 1991 AS INSTRUMENT NO. 1991-0421075 OF OFFICIAL RECORDS. THIS ITEM LIES WITHIN WOODLAND HEIGHTS GLEN AND IS NOT PLOTTED HEREON.
- ㉕ AN EASEMENT FOR AERIAL AND UNDERGROUND PUBLIC UTILITIES AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED MAY 13, 1997 AN ILLINOIS CORPORATION 1997-0220685 OF OFFICIAL RECORDS. THIS ITEM AFFECT THE SUBJECT PROPERTY BUT THE EXACT LOCATION OF SAID EASEMENT IS NOT DISCLOSED IN THE PUBLIC RECORDS AND IS NOT PLOTTED HEREON.
- ㉖ AN EASEMENT FOR VEHICULAR AND PEDESTRIAN INGRESS AND EGRESS AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED JANUARY 9, 2004 AS INSTRUMENT NO. 2004-0019327; AND RE-RECORDED FEBRUARY 2, 2004 AS INSTRUMENT NO. 2004-0079601, BOTH OF OFFICIAL RECORDS. THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- ㉗ AN EASEMENT FOR PRIVATE ROAD AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT RECORDED JUNE 13, 2006 AS INSTRUMENT NO. 2006-0419130 OF OFFICIAL RECORDS. THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- ㉘ THE MATTERS CONTAINED IN A DOCUMENT RECORDED JANUARY 13, 2009 AS INSTRUMENT NO. 2009-0015912 OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY, BLANKET IN NATURE AND IS NOT PLOTTED HEREON.

ITEMS #'S SHOWN HEREON ARE STATED AS EXCEPTIONS ON ABOVE REFERENCED COMMITMENT. NO RESPONSIBILITY FOR THE COMPLETENESS, ACCURACY, OR CONTENT OF SAID REPORT IS ASSUMED BY THIS MAP.

**EASEMENT NOTE:**

⊛ VARIOUS EASEMENTS PER PARCEL MAP NO. 12615

**COORDINATES:**

LATITUDE: 33°09'40.67" N  
 LONGITUDE: 117°07'51.72" W

DATUM: NAD83



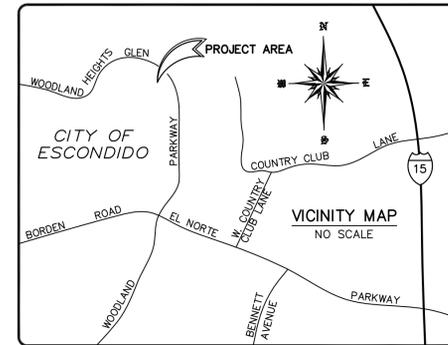
**LEGAL DESCRIPTION:**

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOTS RR, SS, TT, XX AND GG1, OF ESCONDIDO TRACT NO. 683-H, IN THE CITY OF ESCONDIDO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 12615, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, APRIL 26, 1990.

EXCEPTING ANY CABLE TELEVISION DISTRIBUTION FACILITIES AND RELATED EQUIPMENT INCLUDING, BUT NOT LIMITED TO, PEDESTALS, WIRES, POLES, GUYS AND CABLE CONDUIT.

ASSESSOR'S PARCEL NUMBER: 187-720-07, 08, 09, 10, 23



**DATUM STATEMENT**

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 6, EPOCH 1991.35 AS DERIVED FROM GPS OBSERVATIONS TAKEN ON SECOND ORDER STATION "2013" AND "1006", AS SHOWN ON RECORD OF SURVEY NUMBER 14236.

THE BENCHMARK FOR THIS SURVEY IS STATION "2013" AS SHOWN ON RECORD OF SURVEY 14236.

ELEVATION: 661.96  
 DATUM: NGVD29

**BOUNDARY NOTE:**

THE BOUNDARY SHOWN HEREON IS BASED ON RECORD INFORMATION AS COLLECTED FROM THE ASSESSORS PARCEL MAP. IT IS NOT THE RESULT OF A COMPLETE BOUNDARY SURVEY. VACATIONS AND OTHER DEEDS OF RECORD MAY AFFECT THE LOCATION OF TRUE BOUNDARY LINES.

**Booth & Suarez**

ARCHITECTURE INCORPORATED

325 CARLSBAD VILLAGE DRIVE SUITE D2  
 CARLSBAD, CA 92008 (760) 434-8474



PREPARED FOR



P.O. BOX 19707  
 IRVINE, CA 92623-9707  
 (949) 222-7000

**APPROVALS**

A&C	DATE
RE	DATE
RF	DATE
INT	DATE
EE/IN	DATE
OPS	DATE
EE/OUT	DATE

**PROJECT NAME**

**EMERALD HEIGHTS**

1901 7/8 WOODLAND PARKWAY  
 ESCONDIDO, CA. 92026

SAN DIEGO COUNTY

**DRAWING DATES**

**SHEET TITLE**

**TOPOGRAPHIC SURVEY**

PROJECTS\VERIZON\13375-1

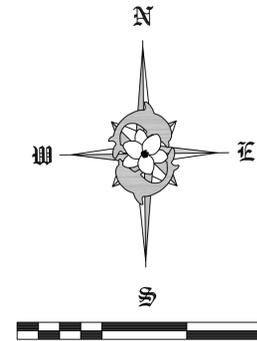
**MONUMENT NOTES:**

- ☐ INDICATES FOUND LT&T, LS 5163 AT 5' OFFSET

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	Δ=5°53'32"	426.00'	43.81'
C2	Δ=10°44'01"	525.00'	98.35'
C3	Δ=18°24'37"	375.00'	120.49'
C4	Δ=20°56'59"	425.00'	155.40'
C5	Δ=61°42'11"	425.00'	457.69'
C6	Δ=25°40'02"	585.00'	262.07'
C7	Δ=96°07'58"	400.00'	671.13'
C8	Δ=26°50'36"	858.00'	274.08'
C9	Δ=11°01'39"	375.00'	72.16'
C10	Δ=25°40'02"	639.00'	286.26'
C11	Δ=26°50'36"	371.00'	622.48'
C12	Δ=26°50'36"	639.00'	299.37'
C13	Δ=93°07'58"	270.00'	438.88'
C14	Δ=13°30'08"	290.00'	68.34'
C15	Δ=25°28'10"	310.00'	137.80'
C16	Δ=17°01'51"	429.00'	127.52'

**DATE OF SURVEY**  
DECEMBER 24, 2013

LINE TABLE					
LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L1	N64°04'53"W	306.49'	L42	N78°16'06"E	76.79'
L2	N45°20'16"W	100.93'	L43	N88°55'46"E	214.63'
L3	N30°28'46"W	77.69'	L44	N71°14'48"W	164.01'
L4	N48°32'05"W	147.95'	L45	N40°08'07"W	101.80'
L5	N08°40'02"W	322.34'	L46	N53°59'56"W	55.69'
L6	N43°44'15"W	167.75'	L47	N87°06'12"E	54.18'
L7	N10°42'27"E	162.23'	L48	N65°47'53"E	222.85'
L8	N73°32'11"W	388.27'	L49	N87°01'32"W	303.06'
L9	N23°32'11"W	231.21'	L50	N62°07'17"E	56.90'
L10	N14°03'32"W	30.61'	L51	N73°47'54"E	317.23'
L11	N54°04'14"W	229.43'	L52	N85°01'19"W	263.21'
L12	N79°37'15"E	68.09'	L53	N84°52'28"W	232.18'
L13	N49°33'16"W	150.95'	L54	N79°08'36"W	398.78'
L14	N78°36'42"E	344.17'	L55	N60°15'37"W	305.41'
L15	N88°21'35"W	190.96'	L56	N42°55'12"W	130.19'
L16	N55°29'53"W	171.77'	L57	N11°37'05"W	153.62'
L17	N41°32'15"W	73.66'	L58	N02°50'14"W	134.56'
L18	N57°18'32"W	208.32'	L59	N25°54'49"E	144.42'
L19	N69°09'46"E	134.47'	L60	N23°18'32"E	110.43'
L20	N16°34'52"E	210.19'	L61	N30°28'14"W	271.39'
L21	N51°47'29"E	127.68'	L62	N12°03'37"W	196.53'
L22	N28°43'33"E	112.10'	L63	N33°00'36"W	420.80'
L23	N50°05'36"E	49.72'	L64	N85°17'13"E	229.43'
L24	N34°58'41"E	189.06'	L65	N69°02'45"W	201.94'
L25	N12°42'33"E	57.66'	L66	N14°49'17"E	63.26'
L26	N01°04'20"W	113.50'	L67	N41°39'53"E	102.54'
L27	N42°22'58"E	121.99'	L68	N37°36'49"W	52.25'
L28	N79°47'09"E	73.69'	L69	N03°40'58"E	68.42'
L29	N04°07'40"E	167.58'	L70	N31°21'45"W	18.23'
L30	N31°00'57"W	53.58'	L71	N51°35'27"W	132.96'
L31	N33°00'00"W	162.77'	L72	N56°21'39"E	380.00'
L32	N32°58'31"W	181.00'	L73	N33°38'21"W	324.20'
L33	N89°27'00"E	72.13'	L74	N33°38'21"W	227.41'
L34	N42°21'4"E	46.92'	L75	N75°01'36"E	145.26'
L35	N62°51'55"W	97.89'	L76	N16°13'49"W	20.00'
L36	N08°15'15"E	218.90'	L77	N73°46'11"E	8.75'
L37	N81°44'45"W	324.48'	L78	N05°01'01"E	171.67'
L38	N14°29'25"E	115.13'	L79	N73°46'11"E	128.30'
L39	N11°39'32"E	156.22'	L80	N35°07'49"W	160.19'
L40	N81°51'26"W	391.54'	L81	N16°13'49"W	22.33'
L41	N45°30'39"E	301.16'	L82	N73°46'11"E	181.66'

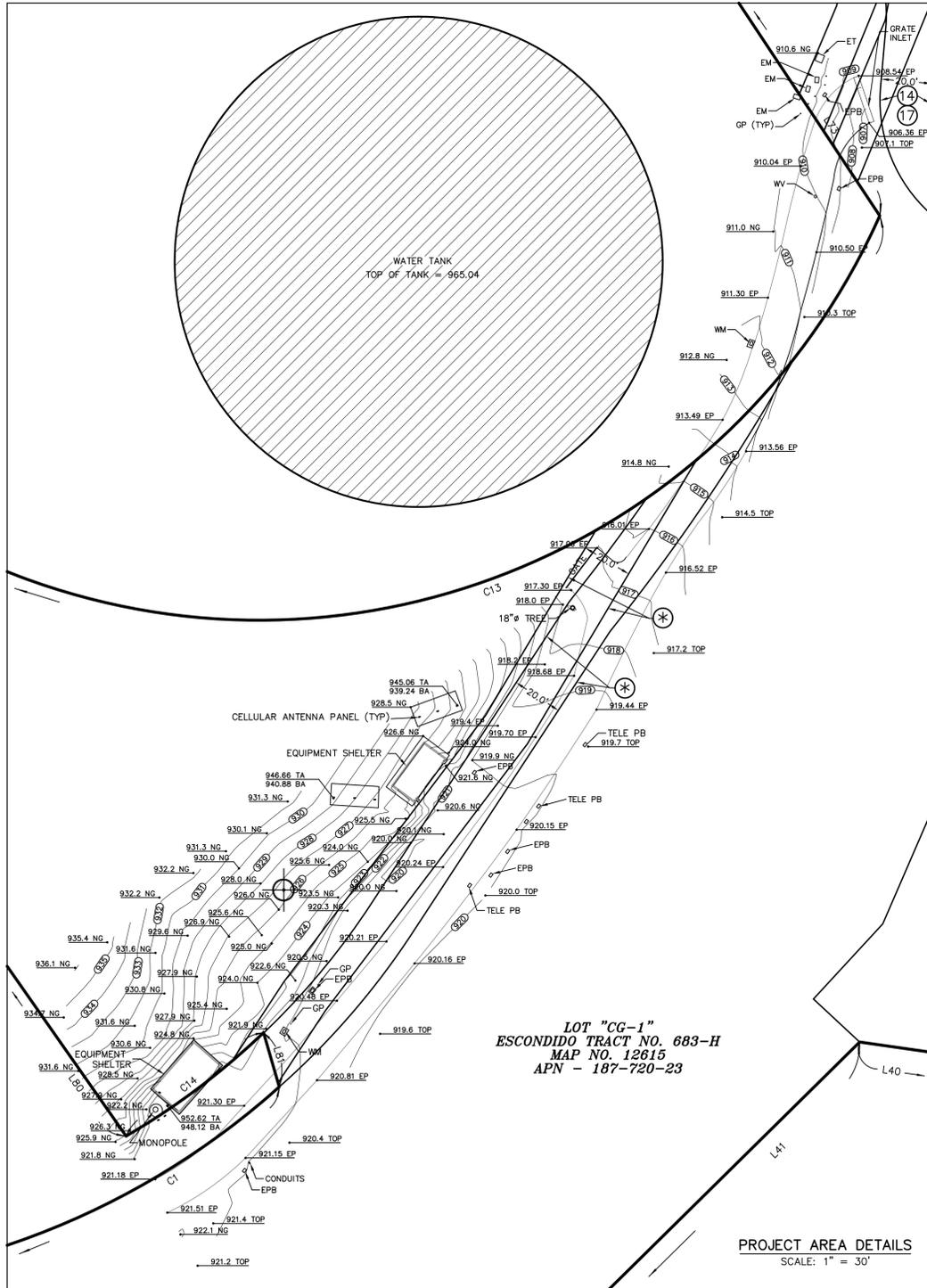


**LEGEND:**

- APN - ASSESSORS PARCEL NUMBER
- BA - BOTTOM ANTENNA
- E - EAST
- EM - ELECTRIC METER
- EP - EDGE OF PAVEMENT
- EPB - ELECTRIC PULLBOX
- ET - ELECTRIC TRANSFORMER
- FD - FOUND
- LS - LICENSED SURVEYOR
- LT&T - LEAD, TACK AND TAG
- N - NORTH
- NG - NATURAL GROUND
- NO - NUMBER
- PB - PULLBOX
- S - SOUTH
- TA - TOP ANTENNA
- TELE - TELEPHONE
- (TYP) - TYPICAL
- W - WEST
- W/ - WITH
- WM - WATER METER
- WV - WATER VALVE

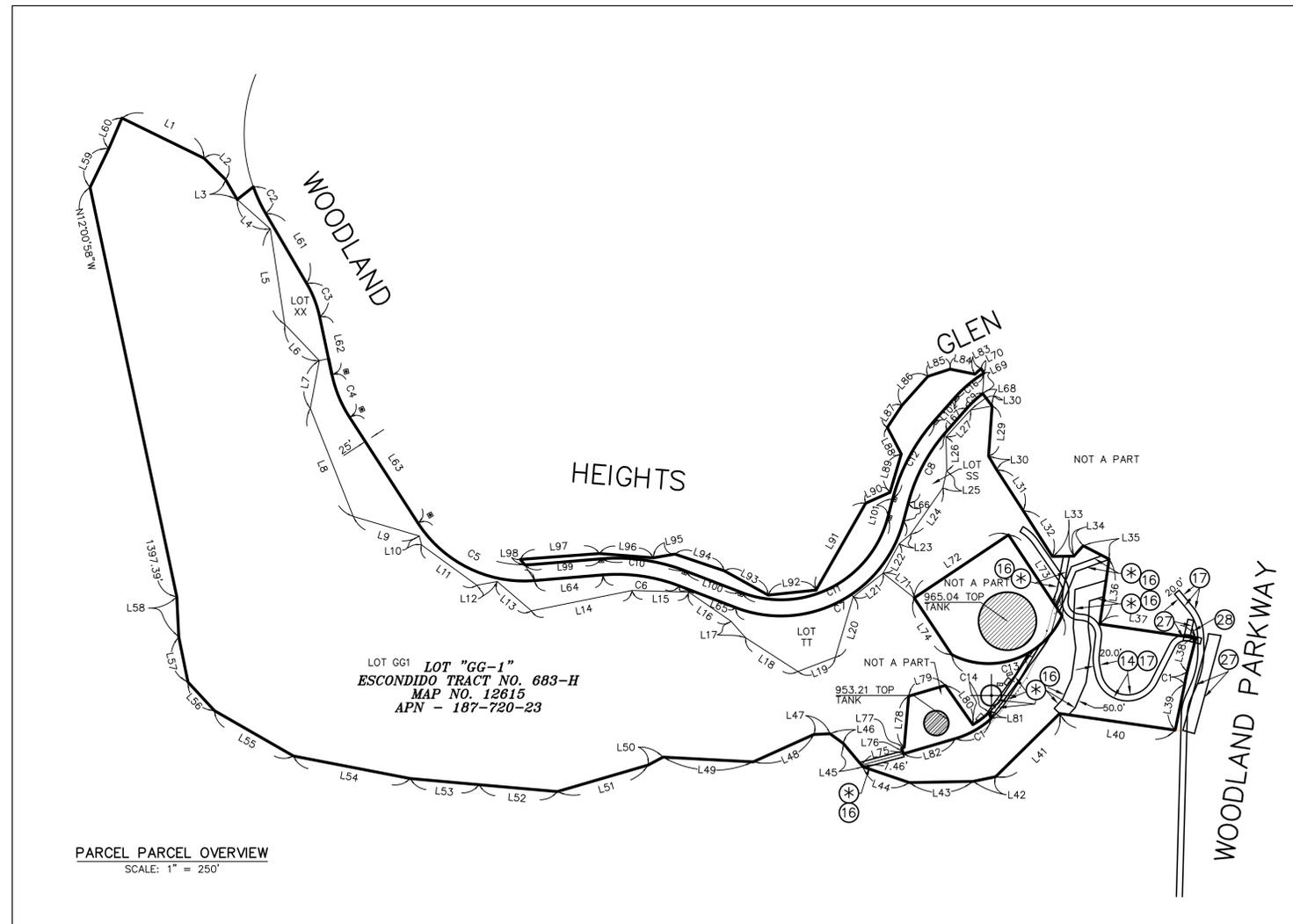
**ASSESSOR'S PARCEL NUMBER**

APN: 187-720-23



LOT "CG-1"  
ESCONDIDO TRACT NO. 683-H  
MAP NO. 12615  
APN - 187-720-23

**PROJECT AREA DETAILS**  
SCALE: 1" = 30'



**PARCEL PARCEL OVERVIEW**  
SCALE: 1" = 250'

**BOOTH & SUAREZ**  
ARCHITECTURE ■ INCORPORATED  
325 CARLSBAD VILLAGE DRIVE, SUITE D2  
CARLSBAD, CA 92008 (760) 434-8474

PREPARED FOR



P.O. BOX 19707  
IRVINE, CA 92623-9707  
(949) 222-7000

**APPROVALS**

A&C	DATE
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PROJECT NAME

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1901 7/8 WOODLAND PARKWAY  
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SAN DIEGO COUNTY

DRAWING DATES

SHEET TITLE

TOPOGRAPHIC  
SURVEY

PROJECTS\VERIZON\13375-2